

Bull Run SF6 (PPT) listing by arc for each hour.

Note, the assignment of receptors to arcs was based on objective criteria, and the QA judgment (JDGMT) was also arrived at using objective criteria. These results are being made available for peer review. Comments and suggestions are welcome.

JDGMT of 3, 2, 1, and 0 follow the same ideas expressed in the QA codes determined by Steve Hanna and Joe Chang (3 = good sampling with single maximum; 0 = no reason to use this arc). Negative concentration values suggest the maximum on the arc may be suspicious.

Format:

YY MM DD HH FFF: Values  
 where: YY = last two digits of year,  
 MM = Month  
 DD = Day of month  
 HH = hour (end of hour of sampling)  
 FFF = AZ (azimuth from source to receptor in degrees)  
 OBS (SF6 concentration, in PPT)  
 DPHI (offset of receptor, in degrees, from a centerline position determined from all nonzero concentrations seen for hour)

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82 7 28 11 AZ: 310 318 326 326 335 342 350 8 23 54
R = 0.5 KM; OBS: 18 30 53 30 20 30 21 35 17 14
JDGMT: 3 DPHI: -90 -82 -74 -74 -66 -58 -50 -33 -18 13

82 7 28 11 AZ: 245 315 323 332 358 6 14 22 30 38 46 54 94 102 109
R = 1.0 KM; OBS: 26 19 31 30 13 32 31 6 26 44 27 41 20 15 16
JDGMT: 3 DPHI: -155 -85 -77 -68 -42 -34 -26 -18 -10 -2 6 14 53 61 69

82 7 28 11 AZ: 309 313 317 322 325 330 338 343 346 349 354 358 3 6 10 33 38 46 49 54 58 62 66
R = 2.0 KM; OBS: 23 23 32 29 21 37 26 31 30 35 34 27 23 23 28 84 73 108 84 90 103 102 91
JDGMT: 3 DPHI: -91 -88 -83 -79 -75 -71 -63 -58 -54 -51 -46 -42 -38 -35 -31 -7 -2 6 9 14 18 21 26

AZ: 70 94 97 102 106 110 114 126
OBS: 53 20 25 24 19 22 9 20
DPHI: 30 54 56 61 65 69 73 85

82 7 28 11 AZ: 324 335 59 61 61
R = 3.0 KM; OBS: 30 15 89 132 125
JDGMT: 3 DPHI: -76 -66 18 20 20

82 7 28 11 AZ: 26 34 70 74 82
R = 5.0 KM; OBS: 27 27 110 129 255
JDGMT: 2 DPHI: -14 -6 30 34 42

82 7 28 11 AZ: 331 341 353 358 5
R = 7.0 KM; OBS: 9 9 20 20 13
JDGMT: 3 DPHI: -69 -60 -47 -42 -36

82 7 28 11 AZ: 344 346 356 33 46 50 58 62 69 75 87 92 99
R = 15.0 KM; OBS: 2 7 6 7 11 11 5 16 54 104 91 67 15
JDGMT: 3 DPHI: -56 -54 -44 -7 5 10 18 22 28 35 46 52 58

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|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
|--------|------|-------|------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|--|
| 82     | 7    | 28    | 12   | AZ:   | 310  | 318 | 326 | 326 | 335 | 342 | 350 | 1   | 8   | 23  | 42  | 47  | 54  | 62  | 78  | 86  | 94  | 101 | 118 |     |     |    |    |  |
| R =    | 0.5  | KM;   | OBS: |       | 29   | 1   | 52  | 6   | 8   | 6   | 10  | 11  | 25  | 6   | 19  | 14  | 16  | 8   | 13  | 15  | 6   | 4   | 4   |     |     |    |    |  |
| JDGMT: | 2    | DPHI: |      |       | -102 | -94 | -86 | -86 | -78 | -70 | -62 | -51 | -44 | -30 | -11 | -5  | 2   | 10  | 26  | 34  | 42  | 49  | 66  |     |     |    |    |  |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
| 82     | 7    | 28    | 12   | AZ:   | 245  | 315 | 323 | 332 | 358 | 6   | 14  | 22  | 30  | 38  | 46  | 54  | 78  | 102 | 109 |     |     |     |     |     |     |    |    |  |
| R =    | 1.0  | KM;   | OBS: |       | 6    | 9   | 9   | 11  | 6   | 6   | 3   | 6   | 9   | 6   | 9   | 4   | 8   | 11  | 6   |     |     |     |     |     |     |    |    |  |
| JDGMT: | 2    | DPHI: |      |       | -167 | -97 | -89 | -80 | -54 | -46 | -38 | -30 | -22 | -14 | -6  | 2   | 26  | 50  | 57  |     |     |     |     |     |     |    |    |  |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
| 82     | 7    | 28    | 12   | AZ:   | 309  | 313 | 317 | 322 | 325 | 330 | 338 | 343 | 346 | 349 | 3   | 6   | 10  | 33  | 38  | 42  | 46  | 49  | 54  | 58  | 62  | 66 | 70 |  |
| R =    | 2.0  | KM;   | OBS: |       | 14   | 15  | 6   | 6   | 14  | 7   | 4   | 12  | 11  | 10  | 15  | 8   | 16  | 48  | 28  | 24  | 21  | 14  | 16  | 6   | 8   | 15 | 10 |  |
| JDGMT: | 3    | DPHI: |      |       | -103 | -99 | -95 | -91 | -87 | -83 | -75 | -70 | -66 | -63 | -50 | -46 | -43 | -19 | -14 | -11 | -6  | -3  | 2   | 6   | 9   | 14 | 18 |  |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
|        |      |       |      | AZ:   | 94   | 97  | 102 | 106 | 110 | 114 | 126 | 228 |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
|        |      |       |      | OBS:  | 6    | 7   | 9   | 6   | 6   | 15  | 9   | 7   |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
|        |      |       |      | DPHI: | 42   | 44  | 49  | 54  | 57  | 62  | 74  | 176 |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
| 82     | 7    | 28    | 12   | AZ:   | 324  | 335 | 59  | 61  | 61  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
| R =    | 3.0  | KM;   | OBS: |       | 7    | 1   | 253 | 126 | 133 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
| JDGMT: | 3    | DPHI: |      |       | -88  | -78 | 6   | 8   | 8   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
| 82     | 7    | 28    | 12   | AZ:   | 22   | 26  | 30  | 34  | 38  | 42  | 46  | 50  | 54  | 58  | 62  | 66  | 70  | 74  | 82  | 90  | 95  | 99  | 103 | 106 | 110 |    |    |  |
| R =    | 5.0  | KM;   | OBS: |       | 68   | 80  | 93  | 117 | 107 | 154 | 189 | 216 | 364 | 418 | 227 | 354 | 342 | 345 | 131 | 78  | 6   | 14  | 28  | 4   | 4   |    |    |  |
| JDGMT: | 3    | DPHI: |      |       | -31  | -26 | -22 | -18 | -14 | -10 | -6  | -2  | 2   | 6   | 10  | 14  | 18  | 22  | 30  | 38  | 42  | 47  | 51  | 54  | 58  |    |    |  |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
| 82     | 7    | 28    | 12   | AZ:   | 331  | 341 | 346 | 353 | 358 | 5   | 10  | 16  | 22  | 28  | 34  |     |     |     |     |     |     |     |     |     |     |    |    |  |
| R =    | 7.0  | KM;   | OBS: |       | 3    | 7   | 0   | 11  | 8   | 8   | 29  | 25  | 36  | 27  | 160 |     |     |     |     |     |     |     |     |     |     |    |    |  |
| JDGMT: | 2    | DPHI: |      |       | -81  | -72 | -66 | -59 | -54 | -48 | -42 | -36 | -30 | -24 | -18 |     |     |     |     |     |     |     |     |     |     |    |    |  |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
| 82     | 7    | 28    | 12   | AZ:   | 344  | 346 | 356 | 15  | 21  | 26  | 33  | 50  | 58  | 62  | 69  | 75  | 80  | 87  | 92  | 99  |     |     |     |     |     |    |    |  |
| R =    | 15.0 | KM;   | OBS: |       | 2    | 0   | 7   | 6   | 13  | 13  | 6   | 8   | 12  | 21  | 33  | 51  | 39  | 30  | 32  | 37  |     |     |     |     |     |    |    |  |
| JDGMT: | 3    | DPHI: |      |       | -68  | -66 | -56 | -38 | -31 | -27 | -19 | -2  | 6   | 10  | 16  | 23  | 27  | 34  | 40  | 46  |     |     |     |     |     |    |    |  |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
| 82     | 7    | 28    | 13   | AZ:   | 310  | 318 | 326 | 326 | 335 | 342 | 1   | 8   | 16  | 23  | 42  | 47  | 54  | 54  | 78  | 86  | 94  | 101 | 118 |     |     |    |    |  |
| R =    | 0.5  | KM;   | OBS: |       | 3    | 8   | 53  | 9   | 3   | 12  | 5   | 7   | 4   | 4   | 3   | 6   | 6   | 4   | 6   | 2   | 3   | 10  | 6   |     |     |    |    |  |
| JDGMT: | 2    | DPHI: |      |       | -81  | -73 | -65 | -65 | -57 | -49 | -30 | -23 | -15 | -9  | 11  | 16  | 23  | 23  | 47  | 55  | 63  | 70  | 87  |     |     |    |    |  |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
| 82     | 7    | 28    | 13   | AZ:   | 245  | 315 | 323 | 332 | 6   | 14  | 22  | 38  | 46  | 54  | 78  | 94  | 102 | 109 |     |     |     |     |     |     |     |    |    |  |
| R =    | 1.0  | KM;   | OBS: |       | 10   | 10  | 7   | 10  | 6   | 14  | 22  | 6   | 3   | 7   | 4   | 8   | 4   | 4   |     |     |     |     |     |     |     |    |    |  |
| JDGMT: | 3    | DPHI: |      |       | -146 | -76 | -68 | -59 | -25 | -17 | -9  | 7   | 15  | 23  | 47  | 63  | 71  | 78  |     |     |     |     |     |     |     |    |    |  |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
| 82     | 7    | 28    | 13   | AZ:   | 228  | 309 | 313 | 317 | 325 | 330 | 338 | 343 | 346 | 349 | 354 | 358 | 3   | 6   | 10  | 33  | 38  | 42  | 49  | 54  | 58  | 62 | 66 |  |
| R =    | 2.0  | KM;   | OBS: |       | 11   | 6   | 0   | 6   | 4   | 2   | 3   | 6   | 0   | 8   | 3   | 5   | 1   | 10  | 3   | 184 | 204 | 55  | 60  | 19  | 2   | 12 | 3  |  |
| JDGMT: | 3    | DPHI: |      |       | -163 | -82 | -78 | -74 | -66 | -62 | -54 | -49 | -45 | -42 | -37 | -33 | -29 | -25 | -22 | 2   | 7   | 11  | 18  | 23  | 27  | 30 | 35 |  |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
|        |      |       |      | AZ:   | 94   | 97  | 102 | 106 | 110 | 114 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
|        |      |       |      | OBS:  | 9    | 7   | 9   | 7   | 8   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
|        |      |       |      | DPHI: | 63   | 66  | 70  | 75  | 78  | 83  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
| 82     | 7    | 28    | 13   | AZ:   | 324  | 335 | 14  | 23  | 46  | 54  | 59  | 61  | 61  | 61  |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
| R =    | 3.0  | KM;   | OBS: |       | 8    | 0   | 13  | 87  | 95  | 23  | 15  | 6   | 7   | 13  |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
| JDGMT: | 3    | DPHI: |      |       | -67  | -57 | -17 | -9  | 15  | 23  | 28  | 29  | 29  | 29  |     |     |     |     |     |     |     |     |     |     |     |    |    |  |

|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |     |     |    |    |  |
|--------|------|-------|------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|-----|-----|----|----|--|
| 82     | 7    | 28    | 13   | AZ:   | 326  | 329 | 334 | 339 | 342 | 345 | 351 | 22  | 26  | 30  | 34  | 38  | 42  | 46  | 50  | 54  | 58 | 62 | 66 | 70  | 74  | 82 | 86 |  |
| R =    | 5.0  | KM;   | OBS: |       | 7    | 6   | 7   | 7   | 7   | 2   | 6   | 93  | 111 | 136 | 160 | 142 | 130 | 86  | 56  | 23  | 32 | 16 | 13 | 24  | 20  | 2  | 9  |  |
| JDGMT: | 3    | DPHI: |      |       | -65  | -62 | -57 | -52 | -49 | -46 | -40 | -10 | -5  | -1  | 3   | 7   | 11  | 15  | 19  | 23  | 27 | 31 | 35 | 39  | 43  | 51 | 55 |  |
|        |      |       |      | AZ:   | 90   | 95  | 99  | 103 | 106 | 110 |     |     |     |     |     |     |     |     |     |     |    |    |    |     |     |    |    |  |
|        |      |       |      | OBS:  | 7    | 9   | 6   | 0   | 7   | 6   |     |     |     |     |     |     |     |     |     |     |    |    |    |     |     |    |    |  |
|        |      |       |      | DPHI: | 59   | 63  | 68  | 72  | 75  | 79  |     |     |     |     |     |     |     |     |     |     |    |    |    |     |     |    |    |  |
| 82     | 7    | 28    | 13   | AZ:   | 341  | 346 | 353 | 358 | 5   | 10  | 16  | 22  | 28  | 34  |     |     |     |     |     |     |    |    |    |     |     |    |    |  |
| R =    | 7.0  | KM;   | OBS: |       | 30   | 46  | 51  | 18  | 82  | 163 | 98  | 113 | 140 | 179 |     |     |     |     |     |     |    |    |    |     |     |    |    |  |
| JDGMT: | 2    | DPHI: |      |       | -51  | -45 | -38 | -33 | -27 | -21 | -15 | -9  | -3  | 3   |     |     |     |     |     |     |    |    |    |     |     |    |    |  |
| 82     | 7    | 28    | 13   | AZ:   | 344  | 346 | 351 | 356 | 15  | 21  | 26  | 33  | 46  | 50  | 58  | 62  | 69  | 75  | 80  | 87  | 92 |    |    |     |     |    |    |  |
| R =    | 15.0 | KM;   | OBS: |       | 2    | 6   | 3   | 0   | 48  | 29  | 32  | 14  | 11  | 25  | 32  | 40  | 57  | 38  | 14  | 17  | 7  |    |    |     |     |    |    |  |
| JDGMT: | 3    | DPHI: |      |       | -47  | -45 | -41 | -35 | -17 | -10 | -6  | 2   | 14  | 19  | 27  | 31  | 38  | 44  | 48  | 55  | 61 |    |    |     |     |    |    |  |
| 82     | 7    | 28    | 14   | AZ:   | 310  | 318 | 326 | 326 | 335 | 342 | 350 | 1   | 8   | 16  | 23  | 42  | 47  | 54  | 54  | 62  | 78 | 86 | 94 | 101 | 118 |    |    |  |
| R =    | 0.5  | KM;   | OBS: |       | 7    | 2   | 3   | 6   | 7   | 7   | 11  | 9   | 6   | 7   | 2   | 6   | 6   | 13  | 11  | 8   | 9  | 6  | 7  | 10  | 16  |    |    |  |
| JDGMT: | 2    | DPHI: |      |       | -85  | -77 | -69 | -69 | -61 | -53 | -45 | -35 | -28 | -19 | -13 | 6   | 11  | 18  | 19  | 26  | 43 | 50 | 59 | 66  | 83  |    |    |  |
| 82     | 7    | 28    | 14   | AZ:   | 245  | 315 | 323 | 332 | 6   | 14  | 22  | 30  | 38  | 46  | 54  | 78  | 94  | 102 | 109 |     |    |    |    |     |     |    |    |  |
| R =    | 1.0  | KM;   | OBS: |       | 5    | 2   | 11  | 9   | 15  | 9   | 3   | 6   | 16  | 12  | 16  | 5   | 8   | 7   | 9   |     |    |    |    |     |     |    |    |  |
| JDGMT: | 3    | DPHI: |      |       | -150 | -80 | -72 | -63 | -29 | -21 | -13 | -5  | 3   | 11  | 19  | 43  | 58  | 66  | 74  |     |    |    |    |     |     |    |    |  |
| 82     | 7    | 28    | 14   | AZ:   | 228  | 309 | 313 | 317 | 322 | 325 | 330 | 338 | 343 | 346 | 349 | 354 | 358 | 3   | 6   | 33  | 38 | 46 | 49 | 54  | 58  | 62 | 66 |  |
| R =    | 2.0  | KM;   | OBS: |       | 7    | 3   | 9   | 14  | 3   | 12  | 13  | 8   | 11  | 12  | 5   | 6   | 7   | 6   | 11  | 10  | 9  | 10 | 16 | 16  | 17  | 6  | 11 |  |
| JDGMT: | 2    | DPHI: |      |       | -167 | -86 | -83 | -78 | -74 | -70 | -66 | -58 | -53 | -49 | -46 | -41 | -37 | -33 | -30 | -2  | 3  | 11 | 14 | 19  | 23  | 26 | 31 |  |
|        |      |       |      | AZ:   | 70   | 94  | 97  | 102 | 106 | 110 | 114 | 126 |     |     |     |     |     |     |     |     |    |    |    |     |     |    |    |  |
|        |      |       |      | OBS:  | 19   | 7   | 16  | 6   | 8   | 7   | 13  | 11  |     |     |     |     |     |     |     |     |    |    |    |     |     |    |    |  |
|        |      |       |      | DPHI: | 35   | 59  | 61  | 66  | 70  | 74  | 78  | 91  |     |     |     |     |     |     |     |     |    |    |    |     |     |    |    |  |
| 82     | 7    | 28    | 14   | AZ:   | 324  | 335 | 14  | 23  | 46  | 54  | 59  | 61  | 61  | 61  | 70  | 78  | 87  | 94  | 102 | 118 |    |    |    |     |     |    |    |  |
| R =    | 3.0  | KM;   | OBS: |       | 6    | 2   | 15  | 16  | 13  | 12  | 8   | 15  | 8   | 20  | 1   | 7   | 15  | 3   | 16  | 8   |    |    |    |     |     |    |    |  |
| JDGMT: | 3    | DPHI: |      |       | -71  | -61 | -21 | -13 | 11  | 19  | 23  | 25  | 25  | 25  | 35  | 43  | 51  | 59  | 67  | 83  |    |    |    |     |     |    |    |  |
| 82     | 7    | 28    | 14   | AZ:   | 326  | 329 | 334 | 339 | 342 | 345 | 351 | 0   | 7   | 10  | 14  | 18  | 22  | 26  | 30  | 34  | 38 | 42 | 46 | 50  | 54  | 58 | 62 |  |
| R =    | 5.0  | KM;   | OBS: |       | 7    | 18  | 11  | 16  | 27  | 17  | 28  | 29  | 27  | 26  | 18  | 21  | 29  | 30  | 34  | 29  | 23 | 30 | 34 | 19  | 18  | 25 | 2  |  |
| JDGMT: | 3    | DPHI: |      |       | -69  | -67 | -62 | -57 | -53 | -50 | -45 | -35 | -28 | -26 | -21 | -18 | -14 | -9  | -5  | -1  | 3  | 7  | 11 | 15  | 19  | 23 | 27 |  |
|        |      |       |      | AZ:   | 66   | 70  | 74  | 82  | 86  | 90  | 95  | 99  | 103 | 106 | 110 |     |     |     |     |     |    |    |    |     |     |    |    |  |
|        |      |       |      | OBS:  | 24   | 15  | 28  | 10  | 17  | 5   | 7   | 13  | 10  | 10  | 30  |     |     |     |     |     |    |    |    |     |     |    |    |  |
|        |      |       |      | DPHI: | 31   | 35  | 39  | 47  | 51  | 55  | 59  | 64  | 67  | 71  | 75  |     |     |     |     |     |    |    |    |     |     |    |    |  |
| 82     | 7    | 28    | 14   | AZ:   | 331  | 341 | 346 | 353 | 358 | 5   | 10  | 16  | 22  | 28  | 34  |     |     |     |     |     |    |    |    |     |     |    |    |  |
| R =    | 7.0  | KM;   | OBS: |       | 13   | 13  | 65  | 23  | 19  | 6   | 18  | 18  | 11  | 12  | 18  |     |     |     |     |     |    |    |    |     |     |    |    |  |
| JDGMT: | 2    | DPHI: |      |       | -64  | -55 | -49 | -42 | -37 | -31 | -25 | -20 | -13 | -7  | -1  |     |     |     |     |     |    |    |    |     |     |    |    |  |
| 82     | 7    | 28    | 14   | AZ:   | 344  | 346 | 351 | 356 | 15  | 21  | 26  | 33  | 46  | 50  | 58  | 62  | 69  | 75  | 80  | 87  | 92 | 99 |    |     |     |    |    |  |
| R =    | 15.0 | KM;   | OBS: |       | 17   | 10  | 14  | 6   | 12  | 13  | 6   | 16  | 10  | 16  | 9   | 27  | 26  | 74  | 15  | 20  | 19 | 5  |    |     |     |    |    |  |
| JDGMT: | 3    | DPHI: |      |       | -51  | -49 | -45 | -39 | -21 | -14 | -10 | -2  | 10  | 15  | 23  | 27  | 33  | 40  | 44  | 51  | 57 | 63 |    |     |     |    |    |  |

|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |    |
|--------|------|-------|------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|----|----|
| 82     | 7    | 28    | 15   | AZ:   | 310  | 318 | 326 | 326 | 335 | 342 | 350 | 1   | 8   | 16  | 23  | 42  | 47  | 54  | 54  | 62  | 78 | 86  | 94  | 101 | 118 |    |    |
| R =    | 0.5  | KM;   | OBS: |       | 66   | 51  | 54  | 71  | 56  | 61  | 38  | 40  | 11  | 51  | 55  | 75  | 107 | 30  | 93  | 105 | 66 | 43  | 39  | 44  | 28  |    |    |
| JDGMT: | 3    | DPHI: |      |       | -77  | -69 | -61 | -61 | -52 | -44 | -37 | -26 | -19 | -11 | -4  | 15  | 20  | 27  | 27  | 35  | 51 | 59  | 67  | 74  | 91  |    |    |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |    |
| 82     | 7    | 28    | 15   | AZ:   | 245  | 315 | 323 | 332 | 6   | 14  | 22  | 30  | 38  | 46  | 54  | 78  | 94  | 102 | 109 |     |    |     |     |     |     |    |    |
| R =    | 1.0  | KM;   | OBS: |       | 33   | 63  | 61  | 74  | 111 | 87  | 104 | 95  | 82  | 62  | 80  | 29  | 25  | 14  | 13  |     |    |     |     |     |     |    |    |
| JDGMT: | 3    | DPHI: |      |       | -142 | -72 | -64 | -55 | -21 | -13 | -5  | 3   | 11  | 19  | 27  | 51  | 67  | 75  | 82  |     |    |     |     |     |     |    |    |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |    |
| 82     | 7    | 28    | 15   | AZ:   | 228  | 309 | 313 | 317 | 322 | 325 | 330 | 343 | 346 | 349 | 354 | 358 | 3   | 6   | 10  | 33  | 42 | 46  | 49  | 54  | 58  | 62 | 66 |
| R =    | 2.0  | KM;   | OBS: |       | 29   | 60  | 41  | 44  | 39  | 61  | 62  | 23  | 42  | 66  | 68  | 80  | 67  | 115 | 104 | 169 | 94 | 117 | 109 | 86  | 70  | 46 | 41 |
| JDGMT: | 3    | DPHI: |      |       | -159 | -78 | -74 | -70 | -65 | -62 | -57 | -44 | -41 | -38 | -33 | -29 | -24 | -21 | -17 | 7   | 15 | 19  | 22  | 27  | 31  | 35 | 39 |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |    |
|        |      |       |      | AZ:   | 70   | 94  | 97  | 102 | 106 | 110 | 114 | 126 |     |     |     |     |     |     |     |     |    |     |     |     |     |    |    |
|        |      |       |      | OBS:  | 39   | 16  | 18  | 18  | 16  | 16  | 11  | 18  |     |     |     |     |     |     |     |     |    |     |     |     |     |    |    |
|        |      |       |      | DPHI: | 43   | 67  | 70  | 75  | 79  | 83  | 87  | 99  |     |     |     |     |     |     |     |     |    |     |     |     |     |    |    |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |    |
| 82     | 7    | 28    | 15   | AZ:   | 324  | 335 | 14  | 23  | 46  | 54  | 59  | 61  | 61  | 61  | 70  | 78  | 87  | 94  | 102 | 118 |    |     |     |     |     |    |    |
| R =    | 3.0  | KM;   | OBS: |       | 4    | 0   | 73  | 84  | 117 | 70  | 36  | 34  | 17  | 26  | 15  | 24  | 20  | 16  | 15  | 8   |    |     |     |     |     |    |    |
| JDGMT: | 2    | DPHI: |      |       | -63  | -52 | -13 | -4  | 20  | 27  | 32  | 34  | 34  | 34  | 43  | 51  | 60  | 67  | 75  | 91  |    |     |     |     |     |    |    |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |    |
| 82     | 7    | 28    | 15   | AZ:   | 326  | 329 | 334 | 339 | 342 | 345 | 351 | 353 | 0   | 7   | 10  | 14  | 18  | 22  | 26  | 30  | 34 | 38  | 42  | 46  | 50  | 54 | 58 |
| R =    | 5.0  | KM;   | OBS: |       | 8    | 11  | 3   | 6   | 2   | 4   | 4   | 13  | 6   | 8   | 7   | 19  | 24  | 29  | 54  | 79  | 49 | 76  | 72  | 66  | 36  | 30 | 21 |
| JDGMT: | 3    | DPHI: |      |       | -61  | -58 | -53 | -48 | -45 | -42 | -36 | -34 | -27 | -20 | -17 | -13 | -9  | -5  | -1  | 3   | 7  | 11  | 15  | 19  | 23  | 28 | 31 |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |    |
|        |      |       |      | AZ:   | 62   | 66  | 70  | 74  | 82  | 86  | 90  | 95  | 99  | 103 | 106 | 110 |     |     |     |     |    |     |     |     |     |    |    |
|        |      |       |      | OBS:  | 22   | 18  | 6   | 15  | 3   | 16  | 18  | 13  | 18  | 22  | 20  | 15  |     |     |     |     |    |     |     |     |     |    |    |
|        |      |       |      | DPHI: | 35   | 39  | 43  | 47  | 55  | 59  | 63  | 68  | 72  | 76  | 79  | 83  |     |     |     |     |    |     |     |     |     |    |    |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |    |
| 82     | 7    | 28    | 15   | AZ:   | 331  | 341 | 353 | 358 | 5   | 10  | 16  | 22  | 28  | 34  |     |     |     |     |     |     |    |     |     |     |     |    |    |
| R =    | 7.0  | KM;   | OBS: |       | 5    | 6   | 6   | 8   | 13  | 11  | 10  | 13  | 31  | 32  |     |     |     |     |     |     |    |     |     |     |     |    |    |
| JDGMT: | 2    | DPHI: |      |       | -55  | -46 | -34 | -29 | -22 | -17 | -11 | -5  | 1   | 7   |     |     |     |     |     |     |    |     |     |     |     |    |    |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |    |
| 82     | 7    | 28    | 15   | AZ:   | 344  | 346 | 351 | 356 | 15  | 21  | 26  | 33  | 46  | 50  | 58  | 62  | 69  | 75  | 80  | 87  | 92 | 99  |     |     |     |    |    |
| R =    | 15.0 | KM;   | OBS: |       | 7    | 16  | 10  | 14  | 12  | 6   | 11  | 6   | 9   | 4   | 5   | 8   | 8   | 7   | 9   | 13  | 10 | 11  |     |     |     |    |    |
| JDGMT: | 2    | DPHI: |      |       | -43  | -41 | -36 | -31 | -12 | -6  | -1  | 6   | 19  | 23  | 31  | 35  | 42  | 48  | 53  | 60  | 65 | 72  |     |     |     |    |    |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |    |
| 82     | 7    | 28    | 16   | AZ:   | 310  | 318 | 326 | 326 | 335 | 342 | 350 | 1   | 16  | 23  | 42  | 47  | 54  | 62  | 78  | 86  | 94 | 101 | 118 |     |     |    |    |
| R =    | 0.5  | KM;   | OBS: |       | 2    | 3   | 2   | 9   | 3   | 14  | 7   | 25  | 25  | 7   | 21  | 22  | 90  | 40  | 45  | 28  | 28 | 22  | 25  |     |     |    |    |
| JDGMT: | 3    | DPHI: |      |       | -98  | -90 | -82 | -82 | -74 | -66 | -58 | -48 | -32 | -26 | -7  | -2  | 5   | 13  | 30  | 37  | 46 | 52  | 70  |     |     |    |    |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |    |
| 82     | 7    | 28    | 16   | AZ:   | 245  | 315 | 323 | 332 | 6   | 14  | 30  | 38  | 54  | 78  | 94  | 102 | 109 |     |     |     |    |     |     |     |     |    |    |
| R =    | 1.0  | KM;   | OBS: |       | 9    | 9   | 0   | 4   | 0   | 4   | 6   | 6   | 3   | 22  | 6   | 9   | 10  |     |     |     |    |     |     |     |     |    |    |
| JDGMT: | 3    | DPHI: |      |       | -163 | -93 | -85 | -76 | -42 | -34 | -18 | -10 | 6   | 29  | 45  | 53  | 61  |     |     |     |    |     |     |     |     |    |    |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |    |
| 82     | 7    | 28    | 16   | AZ:   | 309  | 313 | 317 | 322 | 325 | 330 | 338 | 346 | 349 | 354 | 358 | 3   | 6   | 10  | 33  | 38  | 46 | 49  | 54  | 58  | 62  | 66 | 70 |
| R =    | 2.0  | KM;   | OBS: |       | 6    | 18  | 7   | 6   | 9   | 11  | 9   | 1   | 3   | 7   | 9   | 5   | 6   | 9   | 13  | 3   | 7  | 0   | 4   | 12  | 11  | 7  | 6  |
| JDGMT: | 2    | DPHI: |      |       | -100 | -96 | -91 | -87 | -83 | -79 | -71 | -62 | -59 | -55 | -50 | -46 | -43 | -39 | -15 | -10 | -2 | 1   | 6   | 10  | 13  | 17 | 22 |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |    |
|        |      |       |      | AZ:   | 94   | 97  | 102 | 106 | 110 | 114 | 126 | 228 |     |     |     |     |     |     |     |     |    |     |     |     |     |    |    |
|        |      |       |      | OBS:  | 12   | 12  | 10  | 16  | 13  | 12  | 7   | 2   |     |     |     |     |     |     |     |     |    |     |     |     |     |    |    |
|        |      |       |      | DPHI: | 46   | 48  | 53  | 57  | 61  | 65  | 77  | 180 |     |     |     |     |     |     |     |     |    |     |     |     |     |    |    |



82 7 28 17 AZ: 344 346 351 356 15 26 33 50 58 69 75 80 87 92 99  
R = 15.0 KM; OBS: 2 6 2 6 6 13 24 5 4 29 56 54 22 29 34  
JDGMT: 3 DPHI: -58 -57 -52 -46 -28 -17 -10 7 16 26 32 37 44 49 56

82 7 28 18 AZ: 310 318 326 326 335 342 350 1 8 16 23 42 47 54 54 62 78 86 94 101 118  
R = 0.5 KM; OBS: 18 13 18 26 18 26 21 20 85 23 13 14 12 13 10 10 18 27 21 25 29  
JDGMT: 3 DPHI: -99 -91 -84 -84 -75 -67 -60 -49 -42 -33 -27 -8 -3 4 5 12 29 36 44 51 68

82 7 28 18 AZ: 245 315 323 332 6 14 22 30 38 46 54 78 94 102 109  
R = 1.0 KM; OBS: 18 23 17 27 24 16 16 22 21 17 22 14 38 33 30  
JDGMT: 2 DPHI: -164 -95 -86 -77 -43 -35 -27 -19 -11 -4 4 28 44 52 59

82 7 28 18 AZ: 309 313 317 322 325 330 338 343 349 354 358 6 10 33 38 42 46 49 54 58 66 70 94  
R = 2.0 KM; OBS: 25 32 31 25 24 21 18 10 28 18 22 25 16 23 11 5 22 7 19 26 18 30 34  
JDGMT: 2 DPHI: -101 -97 -92 -88 -84 -80 -72 -67 -60 -56 -52 -44 -40 -16 -11 -8 -4 -1 4 8 16 21 45

AZ: 97 102 106 110 114 126 228  
OBS: 30 29 38 37 28 48 43  
DPHI: 47 52 56 60 64 76 179

82 7 28 18 AZ: 324 335 14 23 46 54 59 61 61 61 70 78 87 94 102 118  
R = 3.0 KM; OBS: 19 10 21 18 18 24 24 23 23 12 32 27 31 27 31 8  
JDGMT: 3 DPHI: -85 -75 -35 -27 -3 5 9 11 11 11 21 29 37 45 53 68

82 7 28 18 AZ: 326 329 334 339 342 345 351 353 0 7 10 14 18 22 26 30 34 38 42 46 50 54 58  
R = 5.0 KM; OBS: 0 0 7 6 8 0 5 2 3 6 6 11 12 8 11 13 14 11 22 13 16 10 11  
JDGMT: 2 DPHI: -84 -81 -76 -71 -68 -64 -59 -57 -49 -42 -40 -36 -32 -28 -23 -20 -15 -12 -8 -4 0 5 9

AZ: 62 66 70 74 82 86 90 95 99 103 106 110  
OBS: 18 27 34 29 21 34 37 29 6 30 27 37  
DPHI: 13 17 21 25 33 36 41 45 49 53 57 60

82 7 28 18 AZ: 341 353 358 5 10 16 22 28 34  
R = 7.0 KM; OBS: 7 9 10 6 6 0 3 12 3  
JDGMT: 2 DPHI: -69 -57 -51 -45 -39 -34 -28 -21 -15

82 7 28 18 AZ: 344 346 356 15 26 33 50 58 62 69 75 80 87 92 99  
R = 15.0 KM; OBS: 0 2 7 11 6 6 3 4 18 31 50 59 35 26 40  
JDGMT: 3 DPHI: -65 -63 -53 -35 -24 -17 1 9 13 19 26 30 37 42 49

82 7 28 19 AZ: 310 318 326 326 335 342 350 1 8 16 23 42 47 54 62 78 86 94 101 118  
R = 0.5 KM; OBS: 21 17 3 17 14 13 80 21 91 13 12 15 22 16 15 19 10 12 21 21  
JDGMT: 3 DPHI: -95 -87 -79 -79 -71 -63 -55 -44 -37 -29 -23 -3 2 9 17 33 41 49 56 73

82 7 28 19 AZ: 245 315 323 332 6 22 30 38 46 54 78 94 102 109  
R = 1.0 KM; OBS: 9 18 16 9 12 15 21 10 9 12 13 14 14 17  
JDGMT: 3 DPHI: -160 -90 -82 -73 -39 -23 -15 -7 1 9 33 49 57 64

82 7 28 19 AZ: 309 313 317 325 330 338 343 346 354 358 6 10 33 38 42 46 49 54 58 62 66 70 94  
R = 2.0 KM; OBS: 30 12 9 15 11 10 7 2 6 5 6 10 9 8 14 10 8 8 13 24 12 17 16  
JDGMT: 2 DPHI: -96 -92 -88 -80 -75 -67 -62 -59 -51 -47 -39 -35 -12 -7 -3 1 4 9 13 17 21 25 49

|        |       |     |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|--------|-------|-----|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|
|        | AZ:   | 97  | 102   | 106 | 110 | 114 | 126 | 228 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|        | OBS:  | 25  | 17    | 14  | 8   | 25  | 17  | 12  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|        | DPHI: | 52  | 57    | 61  | 64  | 69  | 81  | 183 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 82     | 7     | 28  | 19    | AZ: | 335 | 14  | 23  | 46  | 54  | 59  | 61  | 61  | 61  | 70  | 78  | 87  | 94  | 102 | 118 |     |     |     |     |     |     |    |    |
| R =    | 3.0   | KM; | OBS:  |     | 0   | 7   | 7   | 11  | 15  | 9   | 6   | 10  | 14  | 18  | 24  | 14  | 14  | 23  | 23  |     |     |     |     |     |     |    |    |
| JDGMT: | 3     |     | DPHI: |     | -70 | -31 | -22 | 1   | 9   | 14  | 16  | 16  | 16  | 25  | 33  | 42  | 49  | 57  | 73  |     |     |     |     |     |     |    |    |
| 82     | 7     | 28  | 19    | AZ: | 326 | 329 | 334 | 339 | 342 | 345 | 351 | 353 | 0   | 7   | 10  | 14  | 18  | 22  | 26  | 30  | 34  | 42  | 46  | 50  | 54  | 58 | 62 |
| R =    | 5.0   | KM; | OBS:  |     | 9   | 6   | 0   | 0   | 9   | 0   | 6   | 6   | 6   | 7   | 6   | 9   | 6   | 7   | 9   | 9   | 7   | 11  | 9   | 5   | 8   | 13 | 12 |
| JDGMT: | 2     |     | DPHI: |     | -79 | -76 | -71 | -66 | -63 | -60 | -54 | -52 | -45 | -38 | -35 | -31 | -27 | -23 | -19 | -15 | -11 | -3  | 1   | 5   | 9   | 13 | 17 |
|        | AZ:   | 66  | 70    | 74  | 82  | 86  | 90  | 95  | 99  | 103 | 106 | 110 |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|        | OBS:  | 11  | 16    | 17  | 19  | 28  | 24  | 29  | 23  | 19  | 17  | 17  |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|        | DPHI: | 21  | 25    | 29  | 37  | 41  | 45  | 50  | 54  | 58  | 61  | 65  |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 82     | 7     | 28  | 19    | AZ: | 341 | 353 | 358 | 5   | 10  | 16  | 22  | 28  | 34  |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| R =    | 7.0   | KM; | OBS:  |     | 0   | 6   | 11  | 0   | 9   | 6   | 2   | 8   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| JDGMT: | 2     |     | DPHI: |     | -64 | -52 | -47 | -41 | -35 | -29 | -23 | -17 | -11 |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 82     | 7     | 28  | 19    | AZ: | 344 | 346 | 356 | 15  | 26  | 33  | 58  | 62  | 69  | 75  | 80  | 87  | 92  | 99  |     |     |     |     |     |     |     |    |    |
| R =    | 15.0  | KM; | OBS:  |     | 0   | 8   | 6   | 6   | 9   | 6   | 1   | 3   | 10  | 3   | 2   | 21  | 14  | 27  |     |     |     |     |     |     |     |    |    |
| JDGMT: | 2     |     | DPHI: |     | -61 | -59 | -49 | -30 | -19 | -12 | 13  | 17  | 24  | 30  | 35  | 42  | 47  | 54  |     |     |     |     |     |     |     |    |    |
| 82     | 7     | 30  | 11    | AZ: | 335 | 350 | 350 | 1   | 8   | 14  | 16  | 23  | 30  | 30  | 42  | 47  | 54  | 54  | 78  | 87  | 101 | 110 | 113 | 118 | 125 |    |    |
| R =    | 0.5   | KM; | OBS:  |     | 6   | 8   | 0   | 15  | 11  | 8   | 8   | 5   | 0   | 67  | 7   | 12  | 15  | 4   | 4   | 3   | 10  | 2   | 10  | 3   | 8   |    |    |
| JDGMT: | 3     |     | DPHI: |     | -77 | -61 | -61 | -50 | -43 | -37 | -35 | -28 | -21 | -21 | -9  | -4  | 3   | 3   | 27  | 36  | 50  | 59  | 62  | 67  | 74  |    |    |
| 82     | 7     | 30  | 11    | AZ: | 332 | 342 | 350 | 358 | 6   | 14  | 22  | 30  | 38  | 46  | 54  | 78  | 94  | 102 | 109 | 118 | 126 |     |     |     |     |    |    |
| R =    | 1.0   | KM; | OBS:  |     | 9   | 6   | 5   | 23  | 10  | 7   | 8   | 17  | 7   | 13  | 8   | 9   | 8   | 10  | 8   | 6   | 1   |     |     |     |     |    |    |
| JDGMT: | 2     |     | DPHI: |     | -79 | -69 | -61 | -53 | -45 | -37 | -29 | -21 | -13 | -5  | 3   | 27  | 43  | 51  | 58  | 67  | 75  |     |     |     |     |    |    |
| 82     | 7     | 30  | 11    | AZ: | 333 | 343 | 349 | 358 | 6   | 38  | 46  | 46  | 54  | 62  | 62  | 70  | 94  | 102 | 110 | 114 | 126 |     |     |     |     |    |    |
| R =    | 2.0   | KM; | OBS:  |     | 8   | 11  | 7   | 10  | 10  | 4   | 6   | 43  | 15  | 5   | 59  | 4   | 0   | 5   | 12  | 22  | 12  |     |     |     |     |    |    |
| JDGMT: | 3     |     | DPHI: |     | -78 | -68 | -62 | -53 | -45 | -13 | -5  | -5  | 3   | 11  | 11  | 19  | 43  | 51  | 59  | 63  | 75  |     |     |     |     |    |    |
| 82     | 7     | 30  | 11    | AZ: | 335 | 351 | 357 | 5   | 14  | 30  | 42  | 42  | 42  | 46  | 54  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 61  | 61  | 70  | 78 | 87 |
| R =    | 3.0   | KM; | OBS:  |     | 7   | 2   | 6   | 0   | 8   | 8   | 13  | 10  | 5   | 4   | 7   | 4   | 0   | 3   | 8   | 5   | 5   | 3   | 4   | 4   | 4   | 5  | 5  |
| JDGMT: | 2     |     | DPHI: |     | -76 | -60 | -54 | -46 | -37 | -21 | -9  | -9  | -9  | -5  | 3   | 8   | 8   | 8   | 8   | 8   | 8   | 8   | 10  | 10  | 19  | 27 | 36 |
|        | AZ:   | 94  | 102   | 110 | 126 | 230 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|        | OBS:  | 10  | 8     | 7   | 4   | 12  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|        | DPHI: | 43  | 51    | 59  | 75  | 179 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 82     | 7     | 30  | 11    | AZ: | 351 | 0   | 7   | 14  | 22  | 31  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 40  | 41  | 42  | 43  | 44  | 45  | 46  | 47 | 49 |
| R =    | 5.0   | KM; | OBS:  |     | 0   | 3   | 1   | 2   | 1   | 7   | 7   | 7   | 3   | 8   | 6   | 8   | 8   | 6   | 6   | 9   | 15  | 9   | 8   | 8   | 6   | 15 | 19 |
| JDGMT: | 3     |     | DPHI: |     | -60 | -51 | -44 | -37 | -29 | -20 | -19 | -18 | -17 | -16 | -15 | -14 | -13 | -12 | -11 | -10 | -9  | -8  | -7  | -6  | -5  | -4 | -2 |
|        | AZ:   | 50  | 51    | 52  | 53  | 54  | 55  | 57  | 58  | 59  | 60  | 61  | 62  | 63  | 64  | 65  | 66  | 67  | 68  | 69  | 70  | 78  | 83  | 86  |     |    |    |
|        | OBS:  | 18  | 10    | 15  | 7   | 9   | 8   | 5   | 2   | 7   | 0   | 6   | 0   | 7   | 10  | 0   | 0   | 3   | 3   | 4   | 0   | 6   | 8   | 2   |     |    |    |
|        | DPHI: | -1  | 0     | 1   | 2   | 3   | 4   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 27  | 32  | 35  |     |    |    |

|              |   |       |     |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |     |     |  |
|--------------|---|-------|-----|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|--|
|              |   | AZ:   | 95  | 103   | 106  | 118 | 126 | 135 |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |     |     |  |
|              |   | OBS:  | 6   | 3     | 2    | 3   | 2   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |     |     |  |
|              |   | DPHI: | 44  | 52    | 55   | 67  | 75  | 84  |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |     |     |  |
| 82           | 7 | 30    | 11  | AZ:   | 343  | 358 | 6   | 22  | 39  | 43  | 46  | 47  | 49  | 51  | 51  | 53  | 53  | 55  | 57  | 58  | 59 | 68  | 74  | 84  | 97  | 106 | 114 |  |
| R = 10.0 KM; |   |       |     | OBS:  | 2    | 4   | 5   | 8   | 4   | 9   | 21  | 21  | 48  | 102 | 90  | 41  | 33  | 24  | 5   | 14  | 2  | 0   | 3   | 2   | 0   | 0   | 8   |  |
| JDGMT:       | 3 |       |     | DPHI: | -68  | -53 | -45 | -29 | -12 | -9  | -5  | -4  | -2  | 0   | 0   | 2   | 2   | 4   | 6   | 7   | 8  | 17  | 23  | 33  | 46  | 55  | 63  |  |
|              |   | AZ:   | 121 | 126   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |     |     |  |
|              |   | OBS:  | 8   | 2     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |     |     |  |
|              |   | DPHI: | 70  | 75    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |     |     |  |
| 82           | 7 | 30    | 11  | AZ:   | 328  | 344 | 15  | 33  | 49  |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |     |     |  |
| R = 15.0 KM; |   |       |     | OBS:  | 1    | 1   | 0   | 3   | 10  |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |     |     |  |
| JDGMT:       | 1 |       |     | DPHI: | -83  | -67 | -36 | -18 | -2  |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |     |     |  |
| 82           | 7 | 30    | 12  | AZ:   | 335  | 342 | 350 | 350 | 1   | 8   | 14  | 16  | 23  | 30  | 30  | 42  | 47  | 54  | 54  | 78  | 87 | 101 | 110 | 118 |     |     |     |  |
| R = 0.5 KM;  |   |       |     | OBS:  | 3    | 0   | 2   | 2   | 4   | 2   | 5   | 7   | 2   | 3   | 0   | 9   | 18  | 5   | 9   | 0   | 2  | 1   | 0   | 2   |     |     |     |  |
| JDGMT:       | 3 |       |     | DPHI: | -70  | -62 | -54 | -54 | -43 | -36 | -30 | -28 | -22 | -14 | -14 | -2  | 3   | 10  | 10  | 34  | 43 | 57  | 66  | 74  |     |     |     |  |
| 82           | 7 | 30    | 12  | AZ:   | 332  | 342 | 350 | 358 | 6   | 14  | 38  | 46  | 54  | 78  | 94  | 102 | 109 |     |     |     |    |     |     |     |     |     |     |  |
| R = 1.0 KM;  |   |       |     | OBS:  | 9    | 7   | 6   | 5   | 8   | 4   | 5   | 0   | 2   | 0   | 8   | 0   | 2   |     |     |     |    |     |     |     |     |     |     |  |
| JDGMT:       | 2 |       |     | DPHI: | -72  | -62 | -54 | -46 | -38 | -30 | -6  | 2   | 10  | 34  | 50  | 58  | 65  |     |     |     |    |     |     |     |     |     |     |  |
| 82           | 7 | 30    | 12  | AZ:   | 333  | 343 | 349 | 358 | 6   | 38  | 46  | 46  | 54  | 62  | 70  | 94  | 102 | 110 | 114 | 126 |    |     |     |     |     |     |     |  |
| R = 2.0 KM;  |   |       |     | OBS:  | 5    | 9   | 8   | 6   | 9   | 0   | 8   | 8   | 0   | 7   | 0   | 3   | 0   | 0   | 3   | 0   |    |     |     |     |     |     |     |  |
| JDGMT:       | 2 |       |     | DPHI: | -71  | -61 | -55 | -46 | -38 | -6  | 2   | 2   | 10  | 18  | 26  | 50  | 58  | 65  | 70  | 82  |    |     |     |     |     |     |     |  |
| 82           | 7 | 30    | 12  | AZ:   | 230  | 335 | 351 | 357 | 5   | 14  | 23  | 30  | 42  | 42  | 42  | 46  | 54  | 59  | 59  | 59  | 59 | 59  | 59  | 59  | 61  | 61  | 78  |  |
| R = 3.0 KM;  |   |       |     | OBS:  | 0    | 8   | 10  | 10  | 7   | 8   | 16  | 14  | 0   | 8   | 3   | 23  | 3   | 0   | 2   | 0   | 4  | 64  | 6   | 6   | 1   | 6   | 8   |  |
| JDGMT:       | 3 |       |     | DPHI: | -174 | -69 | -53 | -47 | -39 | -30 | -21 | -15 | -2  | -2  | -2  | 2   | 10  | 15  | 15  | 15  | 15 | 15  | 15  | 15  | 17  | 17  | 34  |  |
|              |   | AZ:   | 87  | 94    | 126  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |     |     |  |
|              |   | OBS:  | 3   | 2     | 1    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |     |     |  |
|              |   | DPHI: | 43  | 50    | 82   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |     |     |  |
| 82           | 7 | 30    | 12  | AZ:   | 342  | 351 | 0   | 7   | 14  | 22  | 30  | 31  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 40  | 41 | 42  | 43  | 44  | 45  | 46  | 47  |  |
| R = 5.0 KM;  |   |       |     | OBS:  | 2    | 3   | 4   | 2   | 6   | 5   | 16  | 9   | 9   | 21  | 8   | 17  | 14  | 5   | 7   | 12  | 15 | 14  | 45  | 28  | 20  | 42  | 36  |  |
| JDGMT:       | 3 |       |     | DPHI: | -62  | -53 | -44 | -37 | -30 | -22 | -14 | -13 | -12 | -11 | -10 | -9  | -8  | -7  | -6  | -4  | -3 | -2  | -1  | 0   | 1   | 2   | 3   |  |
|              |   | AZ:   | 49  | 50    | 51   | 52  | 53  | 54  | 55  | 60  | 61  | 62  | 63  | 64  | 65  | 66  | 67  | 68  | 70  | 78  | 86 | 95  | 103 | 106 | 118 |     |     |  |
|              |   | OBS:  | 31  | 35    | 26   | 27  | 14  | 6   | 3   | 3   | 8   | 0   | 2   | 0   | 3   | 6   | 2   | 0   | 12  | 0   | 2  | 3   | 7   | 8   | 2   |     |     |  |
|              |   | DPHI: | 5   | 6     | 7    | 8   | 9   | 10  | 11  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 26  | 34  | 42 | 51  | 59  | 62  | 74  |     |     |  |
|              |   | AZ:   | 126 | 135   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |     |     |  |
|              |   | OBS:  | 7   | 3     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |     |     |  |
|              |   | DPHI: | 82  | 91    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |     |     |  |
| 82           | 7 | 30    | 12  | AZ:   | 334  | 358 | 6   | 39  | 43  | 45  | 46  | 47  | 49  | 51  | 51  | 53  | 53  | 55  | 57  | 58  | 59 | 74  | 97  | 106 | 114 | 121 |     |  |
| R = 10.0 KM; |   |       |     | OBS:  | 3    | 2   | 0   | 33  | 48  | 145 | 195 | 173 | 88  | 37  | 9   | 2   | 6   | 6   | 6   | 11  | 3  | 4   | 0   | 2   | 1   | 8   |     |  |
| JDGMT:       | 3 |       |     | DPHI: | -70  | -46 | -39 | -5  | -2  | 1   | 2   | 3   | 5   | 7   | 7   | 9   | 9   | 10  | 13  | 14  | 15 | 30  | 53  | 62  | 70  | 77  |     |  |



|              |   |    |    |       |      |     |     |     |     |     |     |     |     |     |    |     |     |     |     |     |     |     |     |     |     |    |     |    |
|--------------|---|----|----|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|----|
| 82           | 7 | 30 | 12 | AZ:   | 328  | 344 | 15  | 33  | 49  | 65  |     |     |     |     |    |     |     |     |     |     |     |     |     |     |     |    |     |    |
| R = 15.0 KM; |   |    |    | OBS:  | 3    | 0   | 3   | 3   | 0   | 3   |     |     |     |     |    |     |     |     |     |     |     |     |     |     |     |    |     |    |
| JDGMT: 1     |   |    |    | DPHI: | -76  | -60 | -29 | -11 | 5   | 21  |     |     |     |     |    |     |     |     |     |     |     |     |     |     |     |    |     |    |
| 82           | 7 | 30 | 13 | AZ:   | 335  | 350 | 350 | 1   | 8   | 14  | 16  | 23  | 30  | 30  | 42 | 54  | 54  | 78  | 87  | 101 | 110 | 113 | 118 | 125 |     |    |     |    |
| R = 0.5 KM;  |   |    |    | OBS:  | 2    | 0   | 1   | 0   | 7   | 5   | 3   | 8   | 3   | 0   | 1  | 4   | 5   | 5   | 1   | 2   | 2   | 6   | 1   | 2   |     |    |     |    |
| JDGMT: 3     |   |    |    | DPHI: | -68  | -52 | -52 | -42 | -35 | -28 | -26 | -20 | -12 | -12 | -1 | 11  | 12  | 36  | 45  | 59  | 67  | 71  | 76  | 83  |     |    |     |    |
| 82           | 7 | 30 | 13 | AZ:   | 332  | 342 | 350 | 358 | 6   | 14  | 22  | 30  | 38  | 46  | 54 | 78  | 94  | 109 | 118 | 126 |     |     |     |     |     |    |     |    |
| R = 1.0 KM;  |   |    |    | OBS:  | 0    | 8   | 3   | 0   | 7   | 6   | 6   | 2   | 2   | 3   | 0  | 0   | 0   | 6   | 1   | 6   |     |     |     |     |     |    |     |    |
| JDGMT: 2     |   |    |    | DPHI: | -70  | -60 | -53 | -44 | -36 | -28 | -20 | -12 | -4  | 4   | 12 | 36  | 51  | 67  | 75  | 83  |     |     |     |     |     |    |     |    |
| 82           | 7 | 30 | 13 | AZ:   | 333  | 349 | 358 | 6   | 38  | 46  | 54  | 62  | 62  | 70  | 94 | 102 | 110 | 126 |     |     |     |     |     |     |     |    |     |    |
| R = 2.0 KM;  |   |    |    | OBS:  | 0    | 3   | 8   | 6   | 8   | 2   | 0   | 3   | 7   | 0   | 0  | 0   | 4   | 3   |     |     |     |     |     |     |     |    |     |    |
| JDGMT: 2     |   |    |    | DPHI: | -69  | -53 | -44 | -37 | -4  | 4   | 12  | 19  | 19  | 28  | 52 | 59  | 67  | 84  |     |     |     |     |     |     |     |    |     |    |
| 82           | 7 | 30 | 13 | AZ:   | 230  | 335 | 341 | 351 | 357 | 14  | 23  | 30  | 42  | 42  | 42 | 46  | 54  | 59  | 59  | 59  | 59  | 59  | 59  | 61  | 61  | 87 |     |    |
| R = 3.0 KM;  |   |    |    | OBS:  | 6    | 1   | 3   | 0   | 1   | 8   | 15  | 3   | 6   | 6   | 3  | 0   | 2   | 3   | 2   | 6   | 2   | 2   | 8   | 2   | 2   | 8  | 2   |    |
| JDGMT: 2     |   |    |    | DPHI: | -172 | -68 | -62 | -51 | -46 | -28 | -20 | -13 | 0   | 0   | 0  | 4   | 12  | 16  | 17  | 17  | 17  | 17  | 17  | 17  | 17  | 18 | 18  | 44 |
|              |   |    |    | AZ:   | 94   | 102 | 110 | 126 |     |     |     |     |     |     |    |     |     |     |     |     |     |     |     |     |     |    |     |    |
|              |   |    |    | OBS:  | 8    | 5   | 8   | 3   |     |     |     |     |     |     |    |     |     |     |     |     |     |     |     |     |     |    |     |    |
|              |   |    |    | DPHI: | 52   | 60  | 68  | 84  |     |     |     |     |     |     |    |     |     |     |     |     |     |     |     |     |     |    |     |    |
| 82           | 7 | 30 | 13 | AZ:   | 334  | 342 | 351 | 0   | 7   | 14  | 22  | 30  | 31  | 32  | 33 | 34  | 35  | 36  | 37  | 38  | 39  | 40  | 41  | 42  | 43  | 44 | 45  |    |
| R = 5.0 KM;  |   |    |    | OBS:  | 4    | 5   | 2   | 3   | 4   | 8   | 3   | 8   | 6   | 6   | 9  | 3   | 5   | 6   | 4   | 2   | 11  | 22  | 30  | 38  | 20  | 26 | 17  |    |
| JDGMT: 3     |   |    |    | DPHI: | -69  | -60 | -52 | -42 | -35 | -28 | -21 | -12 | -11 | -10 | -9 | -8  | -7  | -6  | -5  | -4  | -3  | -2  | -1  | 0   | 1   | 1  | 3   |    |
|              |   |    |    | AZ:   | 46   | 47  | 49  | 50  | 51  | 52  | 53  | 54  | 55  | 57  | 58 | 59  | 60  | 62  | 63  | 64  | 66  | 67  | 68  | 70  | 78  | 95 | 103 |    |
|              |   |    |    | OBS:  | 8    | 8   | 3   | 2   | 3   | 0   | 3   | 8   | 0   | 12  | 3  | 1   | 8   | 5   | 3   | 2   | 1   | 7   | 3   | 0   | 8   | 0  | 2   |    |
|              |   |    |    | DPHI: | 4    | 5   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 15  | 16 | 17  | 18  | 20  | 21  | 22  | 24  | 25  | 26  | 28  | 36  | 52 | 60  |    |
|              |   |    |    | AZ:   | 106  | 118 | 126 | 135 |     |     |     |     |     |     |    |     |     |     |     |     |     |     |     |     |     |    |     |    |
|              |   |    |    | OBS:  | 0    | 0   | 5   | 2   |     |     |     |     |     |     |    |     |     |     |     |     |     |     |     |     |     |    |     |    |
|              |   |    |    | DPHI: | 64   | 75  | 84  | 93  |     |     |     |     |     |     |    |     |     |     |     |     |     |     |     |     |     |    |     |    |
| 82           | 7 | 30 | 13 | AZ:   | 334  | 358 | 6   | 22  | 39  | 43  | 45  | 46  | 47  | 49  | 51 | 51  | 53  | 53  | 55  | 58  | 59  | 97  | 106 | 114 | 126 |    |     |    |
| R = 10.0 KM; |   |    |    | OBS:  | 0    | 2   | 3   | 2   | 113 | 112 | 29  | 9   | 4   | 1   | 3  | 2   | 3   | 8   | 1   | 2   | 1   | 3   | 0   | 8   | 0   |    |     |    |
| JDGMT: 2     |   |    |    | DPHI: | -68  | -44 | -37 | -20 | -3  | 0   | 3   | 4   | 4   | 6   | 9  | 9   | 11  | 11  | 12  | 16  | 16  | 55  | 64  | 72  | 84  |    |     |    |
| 82           | 7 | 30 | 13 | AZ:   | 328  | 344 | 15  | 33  | 49  | 65  | 80  | 96  |     |     |    |     |     |     |     |     |     |     |     |     |     |    |     |    |
| R = 15.0 KM; |   |    |    | OBS:  | 0    | 3   | 0   | 165 | 0   | 2   | 2   | 3   |     |     |    |     |     |     |     |     |     |     |     |     |     |    |     |    |
| JDGMT: 3     |   |    |    | DPHI: | -74  | -58 | -28 | -9  | 6   | 23  | 37  | 53  |     |     |    |     |     |     |     |     |     |     |     |     |     |    |     |    |
| 82           | 7 | 30 | 14 | AZ:   | 335  | 342 | 350 | 350 | 1   | 8   | 14  | 16  | 23  | 30  | 42 | 47  | 54  | 78  | 87  | 101 | 110 | 113 | 118 |     |     |    |     |    |
| R = 0.5 KM;  |   |    |    | OBS:  | 0    | 15  | 8   | 0   | 8   | 2   | 13  | 2   | 1   | 6   | 0  | 1   | 6   | 2   | 0   | 0   | 0   | 8   | 1   |     |     |    |     |    |
| JDGMT: 2     |   |    |    | DPHI: | -63  | -55 | -47 | -47 | -36 | -29 | -23 | -21 | -15 | -7  | 4  | 10  | 17  | 41  | 50  | 64  | 73  | 76  | 81  |     |     |    |     |    |
| 82           | 7 | 30 | 14 | AZ:   | 332  | 350 | 358 | 6   | 14  | 22  | 30  | 38  | 46  | 54  | 78 | 94  | 102 | 109 |     |     |     |     |     |     |     |    |     |    |
| R = 1.0 KM;  |   |    |    | OBS:  | 7    | 16  | 4   | 0   | 6   | 8   | 0   | 1   | 0   | 6   | 3  | 8   | 13  | 8   |     |     |     |     |     |     |     |    |     |    |
| JDGMT: 2     |   |    |    | DPHI: | -65  | -48 | -39 | -31 | -23 | -15 | -7  | 1   | 9   | 17  | 41 | 57  | 65  | 72  |     |     |     |     |     |     |     |    |     |    |

|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------|------|-------|------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 82     | 7    | 30    | 14   | AZ:   | 333  | 343 | 349 | 358 | 38  | 46  | 46  | 54  | 62  | 70  | 94  | 102 | 110 | 114 | 126 |     |     |     |     |
| R =    | 2.0  | KM;   | OBS: |       | 3    | 0   | 0   | 2   | 5   | 8   | 17  | 3   | 0   | 12  | 3   | 6   | 7   | 7   | 2   |     |     |     |     |
| JDGMT: | 3    | DPHI: |      |       | -64  | -55 | -48 | -39 | 1   | 9   | 9   | 17  | 24  | 33  | 57  | 64  | 72  | 77  | 89  |     |     |     |     |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 7    | 30    | 14   | AZ:   | 230  | 335 | 341 | 351 | 5   | 14  | 23  | 30  | 42  | 42  | 42  | 46  | 54  | 59  | 59  | 59  | 59  | 59  | 59  |
| R =    | 3.0  | KM;   | OBS: |       | 8    | 0   | 0   | 4   | 0   | 6   | 11  | 134 | 4   | 8   | 2   | 8   | 8   | 2   | 1   | 8   | 0   | 8   | 6   |
| JDGMT: | 3    | DPHI: |      |       | -167 | -63 | -56 | -46 | -32 | -23 | -15 | -8  | 5   | 5   | 5   | 9   | 17  | 21  | 22  | 22  | 22  | 22  | 22  |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      | AZ:   | 102  | 110 | 126 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      | OBS:  | 8    | 0   | 14  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      | DPHI: | 65   | 73  | 89  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 7    | 30    | 14   | AZ:   | 342  | 351 | 0   | 7   | 14  | 22  | 30  | 31  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 40  | 41  | 42  |
| R =    | 5.0  | KM;   | OBS: |       | 6    | 0   | 9   | 8   | 2   | 7   | 147 | 204 | 161 | 142 | 52  | 157 | 89  | 71  | 24  | 27  | 8   | 7   | 3   |
| JDGMT: | 2    | DPHI: |      |       | -55  | -46 | -37 | -30 | -23 | -16 | -7  | -6  | -5  | -4  | -3  | -2  | -1  | 0   | 1   | 2   | 3   | 4   | 5   |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      | AZ:   | 49   | 50  | 51  | 52  | 53  | 54  | 55  | 59  | 60  | 61  | 62  | 63  | 64  | 66  | 67  | 68  | 69  | 78  | 83  |
|        |      |       |      | OBS:  | 6    | 1   | 2   | 0   | 2   | 0   | 0   | 8   | 2   | 2   | 0   | 8   | 0   | 8   | 8   | 2   | 4   | 6   | 8   |
|        |      |       |      | DPHI: | 12   | 13  | 14  | 15  | 16  | 17  | 18  | 22  | 23  | 24  | 25  | 26  | 27  | 29  | 30  | 31  | 32  | 41  | 46  |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      | AZ:   | 126  | 135 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      | OBS:  | 0    | 1   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      | DPHI: | 89   | 98  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 7    | 30    | 14   | AZ:   | 334  | 358 | 6   | 22  | 39  | 43  | 45  | 46  | 47  | 49  | 51  | 51  | 53  | 55  | 58  | 59  | 84  | 97  | 106 |
| R =    | 10.0 | KM;   | OBS: |       | 3    | 4   | 0   | 8   | 303 | 175 | 10  | 7   | 6   | 4   | 0   | 1   | 2   | 0   | 4   | 0   | 8   | 0   | 0   |
| JDGMT: | 3    | DPHI: |      |       | -63  | -39 | -32 | -15 | 2   | 5   | 8   | 9   | 9   | 11  | 14  | 14  | 16  | 17  | 21  | 22  | 46  | 60  | 69  |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 7    | 30    | 14   | AZ:   | 328  | 344 | 15  | 33  | 49  | 65  | 96  |     |     |     |     |     |     |     |     |     |     |     |     |
| R =    | 15.0 | KM;   | OBS: |       | 3    | 1   | 3   | 214 | 3   | 0   | 2   |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: | 3    | DPHI: |      |       | -69  | -53 | -23 | -4  | 11  | 28  | 59  |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 7    | 30    | 15   | AZ:   | 335  | 350 | 350 | 1   | 8   | 14  | 16  | 23  | 30  | 42  | 54  | 71  | 78  | 87  | 94  | 101 | 110 | 113 | 118 |
| R =    | 0.5  | KM;   | OBS: |       | 0    | 2   | 2   | 0   | 6   | 6   | 9   | 6   | 6   | 6   | 0   | 8   | 0   | 2   | 0   | 0   | 3   | 6   | 2   |
| JDGMT: | 3    | DPHI: |      |       | -58  | -43 | -43 | -32 | -25 | -18 | -16 | -10 | -2  | 9   | 21  | 38  | 46  | 54  | 61  | 68  | 77  | 80  | 85  |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 7    | 30    | 15   | AZ:   | 332  | 350 | 358 | 6   | 14  | 22  | 30  | 38  | 46  | 54  | 78  | 102 | 109 | 118 |     |     |     |     |     |
| R =    | 1.0  | KM;   | OBS: |       | 0    | 2   | 2   | 8   | 16  | 4   | 8   | 0   | 2   | 8   | 2   | 7   | 1   | 8   |     |     |     |     |     |
| JDGMT: | 3    | DPHI: |      |       | -60  | -43 | -35 | -26 | -18 | -10 | -3  | 6   | 13  | 21  | 45  | 69  | 76  | 85  |     |     |     |     |     |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 7    | 30    | 15   | AZ:   | 333  | 343 | 349 | 6   | 38  | 54  | 62  | 62  | 70  | 94  | 102 | 110 | 114 | 126 |     |     |     |     |     |
| R =    | 2.0  | KM;   | OBS: |       | 0    | 8   | 0   | 8   | 23  | 0   | 3   | 6   | 0   | 0   | 8   | 8   | 2   | 0   |     |     |     |     |     |
| JDGMT: | 3    | DPHI: |      |       | -59  | -50 | -43 | -27 | 6   | 21  | 29  | 29  | 37  | 62  | 69  | 77  | 81  | 93  |     |     |     |     |     |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 7    | 30    | 15   | AZ:   | 230  | 335 | 341 | 351 | 5   | 14  | 23  | 30  | 42  | 42  | 42  | 46  | 54  | 59  | 59  | 59  | 59  | 59  | 59  |
| R =    | 3.0  | KM;   | OBS: |       | 6    | 3   | 4   | 2   | 18  | 22  | 167 | 162 | 17  | 8   | 4   | 4   | 0   | 2   | 17  | 6   | 0   | 0   | 8   |
| JDGMT: | 3    | DPHI: |      |       | -162 | -58 | -52 | -42 | -28 | -19 | -10 | -3  | 10  | 10  | 10  | 14  | 21  | 26  | 26  | 26  | 26  | 26  | 28  |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      | AZ:   | 102  | 110 | 126 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      | OBS:  | 2    | 0   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      | DPHI: | 69   | 78  | 94  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |

|        |      |       |      |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|--------|------|-------|------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| 82     | 7    | 30    | 15   | AZ:   | 334 | 351 | 0   | 7   | 14  | 22  | 30  | 31  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 40  | 41  | 42  | 43  | 44  | 47  | 50  |  |
| R =    | 5.0  | KM;   | OBS: |       | 3   | 3   | 3   | 2   | 37  | 268 | 203 | 217 | 358 | 157 | 47  | 83  | 48  | 42  | 16  | 9   | 4   | 2   | 1   | 8   | 8   | 6   | 2   |  |
| JDGMT: | 2    | DPHI: |      |       | -59 | -42 | -33 | -26 | -19 | -11 | -3  | -1  | -1  | 1   | 2   | 2   | 3   | 4   | 5   | 6   | 8   | 8   | 9   | 10  | 11  | 14  | 17  |  |
|        |      |       |      | AZ:   | 51  | 53  | 54  | 55  | 60  | 61  | 62  | 63  | 64  | 66  | 67  | 68  | 69  | 70  | 95  | 103 | 106 | 118 | 126 | 135 |     |     |     |  |
|        |      |       |      | OBS:  | 0   | 0   | 6   | 29  | 0   | 6   | 3   | 6   | 13  | 6   | 6   | 0   | 8   | 0   | 2   | 0   | 5   | 3   | 0   | 0   |     |     |     |  |
|        |      |       |      | DPHI: | 18  | 20  | 22  | 23  | 28  | 28  | 30  | 31  | 32  | 34  | 35  | 36  | 37  | 38  | 62  | 70  | 74  | 85  | 94  | 103 |     |     |     |  |
| 82     | 7    | 30    | 15   | AZ:   | 334 | 343 | 358 | 6   | 22  | 39  | 43  | 45  | 46  | 47  | 49  | 51  | 51  | 53  | 53  | 55  | 57  | 59  | 68  | 84  | 97  | 106 | 114 |  |
| R =    | 10.0 | KM;   | OBS: |       | 21  | 0   | 3   | 3   | 40  | 6   | 3   | 5   | 3   | 3   | 0   | 1   | 0   | 3   | 6   | 0   | 7   | 0   | 2   | 0   | 0   | 2   | 8   |  |
| JDGMT: | 2    | DPHI: |      |       | -58 | -50 | -34 | -27 | -11 | 7   | 10  | 12  | 13  | 14  | 16  | 18  | 19  | 20  | 20  | 22  | 24  | 26  | 36  | 51  | 65  | 73  | 82  |  |
|        |      |       |      | AZ:   | 126 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        |      |       |      | OBS:  | 7   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        |      |       |      | DPHI: | 94  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82     | 7    | 30    | 15   | AZ:   | 328 | 344 | 15  | 33  | 49  | 65  | 96  | 128 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| R =    | 15.0 | KM;   | OBS: |       | 1   | 1   | 2   | 91  | 2   | 0   | 0   | 1   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| JDGMT: | 3    | DPHI: |      |       | -65 | -48 | -18 | 0   | 16  | 32  | 63  | 96  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82     | 7    | 30    | 16   | AZ:   | 335 | 342 | 350 | 350 | 1   | 8   | 14  | 16  | 23  | 30  | 42  | 47  | 54  | 54  | 71  | 78  | 87  | 101 | 110 | 118 | 125 |     |     |  |
| R =    | 0.5  | KM;   | OBS: |       | 3   | 0   | 1   | 0   | 2   | 8   | 0   | 7   | 8   | 2   | 2   | 2   | 2   | 0   | 3   | 4   | 0   | 3   | 2   | 2   | 6   |     |     |  |
| JDGMT: | 2    | DPHI: |      |       | -68 | -60 | -52 | -52 | -41 | -34 | -28 | -26 | -20 | -12 | -1  | 5   | 12  | 12  | 29  | 36  | 45  | 59  | 68  | 76  | 83  |     |     |  |
| 82     | 7    | 30    | 16   | AZ:   | 332 | 342 | 350 | 358 | 6   | 38  | 46  | 54  | 78  | 94  | 109 | 118 |     |     |     |     |     |     |     |     |     |     |     |  |
| R =    | 1.0  | KM;   | OBS: |       | 0   | 6   | 0   | 1   | 6   | 3   | 0   | 6   | 0   | 8   | 6   | 5   |     |     |     |     |     |     |     |     |     |     |     |  |
| JDGMT: | 3    | DPHI: |      |       | -70 | -60 | -53 | -44 | -36 | -4  | 4   | 12  | 36  | 52  | 67  | 75  |     |     |     |     |     |     |     |     |     |     |     |  |
| 82     | 7    | 30    | 16   | AZ:   | 333 | 349 | 358 | 6   | 46  | 46  | 54  | 62  | 62  | 70  | 94  | 102 | 110 | 114 | 126 |     |     |     |     |     |     |     |     |  |
| R =    | 2.0  | KM;   | OBS: |       | 0   | 1   | 8   | 8   | 6   | 0   | 1   | 0   | 6   | 6   | 0   | 9   | 2   | 13  | 0   |     |     |     |     |     |     |     |     |  |
| JDGMT: | 2    | DPHI: |      |       | -69 | -53 | -44 | -36 | 4   | 4   | 12  | 19  | 19  | 28  | 52  | 59  | 67  | 72  | 84  |     |     |     |     |     |     |     |     |  |
| 82     | 7    | 30    | 16   | AZ:   | 335 | 341 | 351 | 357 | 5   | 14  | 23  | 30  | 42  | 42  | 46  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 61  | 78  | 87  | 94  | 102 |  |
| R =    | 3.0  | KM;   | OBS: |       | 2   | 2   | 5   | 11  | 4   | 8   | 54  | 44  | 8   | 0   | 6   | 0   | 0   | 0   | 0   | 0   | 3   | 6   | 2   | 17  | 0   | 6   | 8   |  |
| JDGMT: | 3    | DPHI: |      |       | -68 | -61 | -51 | -46 | -37 | -28 | -20 | -13 | 0   | 0   | 4   | 16  | 17  | 17  | 17  | 17  | 17  | 17  | 18  | 36  | 45  | 52  | 60  |  |
|        |      |       |      | AZ:   | 126 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        |      |       |      | OBS:  | 12  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        |      |       |      | DPHI: | 84  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82     | 7    | 30    | 16   | AZ:   | 334 | 351 | 14  | 22  | 30  | 31  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 41  | 42  | 46  | 47  | 49  | 50  | 51  | 53  | 55  |  |
| R =    | 5.0  | KM;   | OBS: |       | 2   | 1   | 11  | 29  | 33  | 27  | 25  | 15  | 19  | 17  | 16  | 1   | 0   | 2   | 0   | 0   | 6   | 8   | 6   | 0   | 23  | 3   | 2   |  |
| JDGMT: | 2    | DPHI: |      |       | -68 | -51 | -28 | -21 | -12 | -11 | -10 | -9  | -8  | -7  | -6  | -5  | -4  | -3  | -1  | 0   | 4   | 5   | 7   | 8   | 9   | 11  | 13  |  |
|        |      |       |      | AZ:   | 59  | 60  | 61  | 62  | 63  | 64  | 67  | 68  | 78  | 86  | 95  | 103 | 106 | 118 | 126 | 135 |     |     |     |     |     |     |     |  |
|        |      |       |      | OBS:  | 4   | 3   | 8   | 0   | 0   | 2   | 1   | 0   | 7   | 2   | 0   | 6   | 0   | 2   | 3   | 3   |     |     |     |     |     |     |     |  |
|        |      |       |      | DPHI: | 17  | 18  | 19  | 20  | 21  | 22  | 25  | 26  | 36  | 44  | 52  | 61  | 64  | 76  | 84  | 93  |     |     |     |     |     |     |     |  |
| 82     | 7    | 30    | 16   | AZ:   | 334 | 343 | 358 | 6   | 22  | 39  | 43  | 45  | 46  | 47  | 49  | 51  | 51  | 53  | 55  | 59  | 68  | 74  | 84  | 97  | 106 | 121 | 126 |  |
| R =    | 10.0 | KM;   | OBS: |       | 4   | 0   | 4   | 1   | 91  | 3   | 0   | 0   | 1   | 0   | 2   | 0   | 14  | 0   | 1   | 2   | 0   | 6   | 8   | 0   | 0   | 8   | 2   |  |
| JDGMT: | 3    | DPHI: |      |       | -68 | -60 | -44 | -37 | -20 | -3  | 0   | 3   | 4   | 4   | 6   | 9   | 9   | 11  | 12  | 17  | 26  | 32  | 41  | 55  | 64  | 78  | 84  |  |

|              |       |     |     |     |    |    |    |    |    |
|--------------|-------|-----|-----|-----|----|----|----|----|----|
| 82 7 30 16   | AZ:   | 328 | 344 | 15  | 33 | 49 | 65 | 80 | 96 |
| R = 15.0 KM; | OBS:  | 0   | 6   | 5   | 4  | 0  | 3  | 1  | 0  |
| JDGMT: 2     | DPHI: | -74 | -58 | -28 | -9 | 6  | 23 | 37 | 54 |

|             |       |     |     |     |     |    |    |    |    |    |    |    |     |     |     |     |     |
|-------------|-------|-----|-----|-----|-----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|
| 82 7 30 17  | AZ:   | 335 | 350 | 350 | 1   | 30 | 42 | 47 | 54 | 71 | 78 | 87 | 101 | 110 | 113 | 118 | 125 |
| R = 0.5 KM; | OBS:  | 2   | 3   | 0   | 0   | 0  | 1  | 2  | 5  | 2  | 0  | 0  | 2   | 0   | 7   | 0   | 6   |
| JDGMT: 2    | DPHI: | -64 | -49 | -49 | -38 | -8 | 3  | 8  | 15 | 32 | 40 | 48 | 62  | 71  | 74  | 79  | 86  |

|             |       |     |     |     |     |     |     |    |    |    |    |     |     |     |
|-------------|-------|-----|-----|-----|-----|-----|-----|----|----|----|----|-----|-----|-----|
| 82 7 30 17  | AZ:   | 332 | 350 | 358 | 6   | 14  | 22  | 38 | 46 | 78 | 94 | 102 | 109 | 118 |
| R = 1.0 KM; | OBS:  | 0   | 5   | 0   | 8   | 11  | 6   | 2  | 3  | 0  | 0  | 0   | 8   | 3   |
| JDGMT: 3    | DPHI: | -66 | -49 | -41 | -32 | -24 | -17 | 0  | 7  | 39 | 55 | 63  | 70  | 79  |

|             |       |     |     |     |     |    |    |    |    |    |    |    |     |     |     |     |
|-------------|-------|-----|-----|-----|-----|----|----|----|----|----|----|----|-----|-----|-----|-----|
| 82 7 30 17  | AZ:   | 333 | 343 | 349 | 358 | 38 | 46 | 46 | 54 | 62 | 70 | 94 | 102 | 110 | 114 | 126 |
| R = 2.0 KM; | OBS:  | 3   | 2   | 7   | 6   | 11 | 8  | 5  | 0  | 0  | 3  | 6  | 0   | 5   | 1   | 5   |
| JDGMT: 3    | DPHI: | -65 | -56 | -49 | -41 | 0  | 7  | 7  | 15 | 23 | 31 | 56 | 63  | 71  | 75  | 87  |

|             |       |      |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-------------|-------|------|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 82 7 30 17  | AZ:   | 230  | 335 | 341 | 351 | 357 | 5   | 14  | 23  | 30 | 42 | 42 | 42 | 46 | 54 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 61 | 61 |
| R = 3.0 KM; | OBS:  | 8    | 0   | 0   | 0   | 7   | 3   | 6   | 1   | 74 | 31 | 13 | 13 | 5  | 6  | 3  | 0  | 6  | 3  | 0  | 0  | 6  | 0  | 7  |
| JDGMT: 3    | DPHI: | -168 | -64 | -58 | -48 | -42 | -34 | -25 | -16 | -9 | 4  | 4  | 4  | 8  | 15 | 20 | 20 | 20 | 20 | 20 | 20 | 22 | 22 |    |

|       |    |    |     |     |
|-------|----|----|-----|-----|
| AZ:   | 87 | 94 | 110 | 126 |
| OBS:  | 11 | 0  | 0   | 0   |
| DPHI: | 48 | 56 | 72  | 88  |

|             |       |     |     |     |     |     |    |    |    |     |    |     |     |    |    |    |    |    |    |    |    |    |    |    |
|-------------|-------|-----|-----|-----|-----|-----|----|----|----|-----|----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|
| 82 7 30 17  | AZ:   | 334 | 351 | 0   | 14  | 22  | 30 | 31 | 32 | 33  | 34 | 35  | 36  | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 |
| R = 5.0 KM; | OBS:  | 1   | 4   | 2   | 8   | 3   | 39 | 57 | 64 | 157 | 32 | 186 | 108 | 70 | 32 | 32 | 22 | 14 | 23 | 14 | 9  | 8  | 3  | 6  |
| JDGMT: 3    | DPHI: | -65 | -48 | -39 | -25 | -17 | -9 | -7 | -7 | -5  | -4 | -4  | -3  | -2 | -1 | 0  | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  |

|       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |     |     |     |
|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|
| AZ:   | 49 | 50 | 51 | 53 | 54 | 55 | 60 | 62 | 63 | 66 | 68 | 69 | 78 | 83 | 95 | 103 | 106 | 118 | 126 | 135 |
| OBS:  | 9  | 0  | 8  | 0  | 6  | 2  | 0  | 1  | 6  | 8  | 14 | 1  | 8  | 8  | 0  | 0   | 2   | 0   | 2   | 2   |
| DPHI: | 10 | 11 | 12 | 14 | 16 | 17 | 22 | 24 | 24 | 28 | 30 | 31 | 40 | 44 | 56 | 64  | 67  | 79  | 87  | 97  |

|              |       |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |
|--------------|-------|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|
| 82 7 30 17   | AZ:   | 334 | 358 | 6   | 22  | 31 | 39 | 43 | 45 | 46 | 47 | 48 | 49 | 51 | 51 | 53 | 53 | 57 | 58 | 59 | 68 | 97 | 106 | 114 |
| R = 10.0 KM; | OBS:  | 3   | 0   | 0   | 27  | 97 | 2  | 0  | 0  | 0  | 3  | 8  | 3  | 3  | 0  | 11 | 8  | 6  | 2  | 8  | 1  | 2  | 1   | 8   |
| JDGMT: 2     | DPHI: | -65 | -40 | -33 | -17 | -8 | 1  | 4  | 6  | 7  | 8  | 9  | 10 | 12 | 13 | 14 | 14 | 18 | 19 | 20 | 30 | 59 | 67  | 76  |

|       |     |     |
|-------|-----|-----|
| AZ:   | 121 | 126 |
| OBS:  | 8   | 0   |
| DPHI: | 82  | 88  |

|              |       |     |     |     |    |    |    |    |     |
|--------------|-------|-----|-----|-----|----|----|----|----|-----|
| 82 7 30 17   | AZ:   | 328 | 344 | 15  | 33 | 49 | 65 | 96 | 119 |
| R = 15.0 KM; | OBS:  | 3   | 0   | 2   | 75 | 0  | 2  | 13 | 0   |
| JDGMT: 3     | DPHI: | -71 | -54 | -24 | -6 | 10 | 26 | 57 | 80  |

|             |       |     |     |     |     |     |     |     |     |    |    |    |    |    |     |     |     |     |
|-------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|-----|-----|-----|-----|
| 82 7 30 18  | AZ:   | 335 | 350 | 350 | 1   | 8   | 14  | 23  | 30  | 42 | 54 | 71 | 78 | 87 | 101 | 110 | 113 | 118 |
| R = 0.5 KM; | OBS:  | 0   | 12  | 2   | 0   | 6   | 3   | 6   | 0   | 0  | 1  | 7  | 0  | 2  | 0   | 1   | 8   | 2   |
| JDGMT: 2    | DPHI: | -68 | -53 | -53 | -42 | -35 | -28 | -20 | -12 | -1 | 11 | 29 | 36 | 45 | 58  | 67  | 71  | 76  |

|             |       |     |     |     |     |     |    |    |    |    |     |     |
|-------------|-------|-----|-----|-----|-----|-----|----|----|----|----|-----|-----|
| 82 7 30 18  | AZ:   | 342 | 350 | 358 | 14  | 22  | 38 | 46 | 78 | 94 | 118 | 126 |
| R = 1.0 KM; | OBS:  | 8   | 2   | 3   | 3   | 8   | 1  | 0  | 3  | 8  | 8   | 3   |
| JDGMT: 2    | DPHI: | -60 | -53 | -45 | -28 | -20 | -4 | 4  | 35 | 51 | 75  | 83  |

82 7 30 18 AZ: 333 343 349 358 6 38 46 46 54 62 62 70 94 102 110 114 126  
 R = 2.0 KM; OBS: 5 0 0 8 6 0 2 8 3 6 7 0 1 2 2 0 2  
 JDGMT: 2 DPHI: -69 -60 -53 -44 -37 -4 3 3 12 19 19 28 52 59 67 71 83

82 7 30 18 AZ: 335 341 351 357 14 23 30 42 42 42 46 54 59 59 59 59 59 59 59 59 61 78 87 94  
 R = 3.0 KM; OBS: 0 7 6 1 6 2 2 27 9 4 0 8 2 2 2 2 3 8 8 15 5 5 2  
 JDGMT: 3 DPHI: -68 -62 -51 -46 -28 -20 -13 0 0 0 4 12 16 17 17 17 17 17 17 18 36 44 52

AZ: 126  
 OBS: 0  
 DPHI: 84

82 7 30 18 AZ: 342 351 0 7 14 22 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 46 47  
 R = 5.0 KM; OBS: 10 0 0 2 0 0 14 11 3 30 12 66 52 41 9 3 10 14 11 22 2 8 0  
 JDGMT: 2 DPHI: -60 -52 -42 -35 -28 -21 -13 -11 -10 -9 -8 -7 -6 -5 -4 -3 -2 -1 0 1 1 4 4

AZ: 50 51 52 53 54 55 57 59 60 62 63 67 68 69 70 86 95 103 106 118 126 135  
 OBS: 5 2 0 0 8 0 0 8 0 3 8 8 2 6 18 8 3 2 2 0 8 2  
 DPHI: 7 9 9 11 12 13 15 17 18 20 21 25 26 27 28 44 52 60 64 75 84 93

82 7 30 18 AZ: 334 358 6 31 39 43 45 46 47 48 49 50 51 51 53 55 57 58 58 59 68 84 97  
 R = 10.0 KM; OBS: 13 2 3 145 3 3 7 5 3 5 0 6 3 3 8 17 8 6 8 0 3 8 4  
 JDGMT: 2 DPHI: -68 -44 -37 -12 -3 0 3 4 4 5 6 8 8 9 10 12 14 15 15 16 26 41 55

AZ: 106 121 126  
 OBS: 2 0 0  
 DPHI: 63 78 84

82 7 30 18 AZ: 328 344 0 15 49 65 96 128  
 R = 15.0 KM; OBS: 1 0 0 2 6 1 2 2  
 JDGMT: 3 DPHI: -74 -58 -42 -28 6 23 53 86

82 7 30 19 AZ: 335 350 350 1 8 14 16 23 30 42 47 54 78 87 101 110 113 118  
 R = 0.5 KM; OBS: 0 2 4 0 8 2 19 8 4 3 19 4 3 1 0 3 6 1  
 JDGMT: 3 DPHI: -71 -55 -55 -44 -37 -31 -29 -23 -15 -3 2 9 33 42 56 65 68 73

82 7 30 19 AZ: 332 342 350 358 6 22 30 38 46 54 78 109 118  
 R = 1.0 KM; OBS: 10 6 0 2 6 3 8 0 8 8 2 8 6  
 JDGMT: 2 DPHI: -73 -63 -56 -47 -39 -23 -15 -7 1 9 33 64 72

82 7 30 19 AZ: 333 343 349 358 6 38 46 54 62 70 94 102 110 126  
 R = 2.0 KM; OBS: 0 8 0 5 8 0 7 2 0 0 7 0 0 0  
 JDGMT: 2 DPHI: -72 -63 -56 -47 -39 -7 1 9 16 25 49 56 64 81

82 7 30 19 AZ: 230 335 341 351 30 42 42 42 59 59 59 59 59 59 59 61 61 70 87 94 102 126  
 R = 3.0 KM; OBS: 8 3 0 2 0 2 8 7 0 0 6 22 0 0 6 2 7 13 2 3 8 5  
 JDGMT: 3 DPHI: -175 -71 -64 -54 -16 -3 -3 -3 14 14 14 14 14 14 14 15 15 25 42 49 57 81

82 7 30 19 AZ: 351 0 7 22 30 31 32 33 34 35 36 37 38 39 41 42 43 44 46 47 49 50 51  
 R = 5.0 KM; OBS: 0 0 8 1 2 8 0 3 2 10 5 0 6 13 8 9 2 8 6 8 2 2 0  
 JDGMT: 3 DPHI: -54 -45 -38 -23 -15 -14 -13 -12 -11 -10 -9 -8 -7 -6 -4 -3 -2 -1 1 2 4 5 6

|              |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|              | AZ:   | 53  | 54  | 55  | 59  | 60  | 61  | 62  | 66  | 68  | 69  | 78  | 95  | 103 | 106 | 118 | 126 | 135 |     |     |     |     |     |     |
|              | OBS:  | 2   | 2   | 3   | 6   | 3   | 6   | 0   | 6   | 0   | 8   | 6   | 4   | 0   | 3   | 3   | 3   | 0   |     |     |     |     |     |     |
|              | DPHI: | 8   | 9   | 10  | 14  | 15  | 16  | 17  | 21  | 23  | 24  | 33  | 50  | 58  | 61  | 73  | 81  | 90  |     |     |     |     |     |     |
| 82 7 30 19   | AZ:   | 358 | 6   | 22  | 31  | 39  | 43  | 45  | 46  | 47  | 48  | 49  | 51  | 51  | 53  | 53  | 57  | 58  | 59  | 68  | 91  | 97  | 106 | 114 |
| R = 10.0 KM; | OBS:  | 0   | 1   | 8   | 25  | 0   | 0   | 1   | 4   | 3   | 2   | 0   | 3   | 2   | 0   | 6   | 6   | 1   | 3   | 2   | 2   | 0   | 1   | 8   |
| JDGMT: 2     | DPHI: | -47 | -40 | -23 | -14 | -6  | -3  | 0   | 1   | 2   | 3   | 4   | 6   | 6   | 8   | 8   | 12  | 12  | 14  | 23  | 46  | 52  | 61  | 69  |
|              | AZ:   | 121 | 126 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 8   | 3   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 75  | 81  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 7 30 19   | AZ:   | 328 | 344 | 15  | 33  | 49  | 65  | 80  | 96  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 15.0 KM; | OBS:  | 0   | 3   | 3   | 22  | 2   | 0   | 1   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 3     | DPHI: | -77 | -61 | -31 | -12 | 4   | 20  | 35  | 51  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 1 11    | AZ:   | 182 | 14  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 0.5 KM;  | OBS:  | 2   | 3   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     | DPHI: | -24 | 169 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 1 11    | AZ:   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 1.0 KM;  | OBS:  | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     | DPHI: | 161 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 1 11    | AZ:   | 358 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 2.0 KM;  | OBS:  | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     | DPHI: | 152 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 1 11    | AZ:   | 150 | 158 | 166 | 174 | 230 | 238 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 3.0 KM;  | OBS:  | 0   | 0   | 2   | 5   | 10  | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 1     | DPHI: | -56 | -48 | -39 | -32 | 25  | 33  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 1 11    | AZ:   | 147 | 151 | 155 | 158 | 162 | 166 | 170 | 174 | 178 | 182 | 186 | 190 | 193 | 199 | 202 | 206 | 210 | 214 | 218 | 218 | 221 | 226 | 230 |
| R = 5.0 KM;  | OBS:  | 41  | 20  | 0   | 18  | 3   | 0   | 0   | 2   | 18  | 0   | 2   | 10  | 7   | 10  | 22  | 65  | 60  | 69  | 85  | 51  | 64  | 32  | 42  |
| JDGMT: 2     | DPHI: | -59 | -55 | -51 | -48 | -44 | -39 | -35 | -31 | -27 | -23 | -20 | -16 | -12 | -7  | -4  | 1   | 4   | 8   | 13  | 13  | 16  | 21  | 24  |
| 82 8 1 11    | AZ:   | 145 | 149 | 151 | 153 | 155 | 156 | 157 | 160 | 168 | 170 | 174 | 176 | 178 | 180 | 182 | 184 | 186 | 189 | 191 | 192 | 197 | 199 | 201 |
| R = 7.0 KM;  | OBS:  | 3   | 0   | 0   | 0   | 0   | 0   | 2   | 0   | 0   | 0   | 2   | 0   | 20  | 0   | 0   | 6   | 4   | 3   | 3   | 6   | 38  | 85  | 88  |
| JDGMT: 3     | DPHI: | -61 | -57 | -55 | -53 | -51 | -49 | -48 | -46 | -37 | -35 | -31 | -30 | -27 | -26 | -23 | -21 | -19 | -17 | -15 | -13 | -9  | -7  | -5  |
|              | AZ:   | 202 | 202 | 202 | 204 | 206 | 208 | 211 | 212 | 214 | 217 | 217 | 217 | 219 | 227 | 228 | 230 | 232 | 233 | 234 | 236 | 239 | 241 | 243 |
|              | OBS:  | 46  | 79  | 100 | 76  | 99  | 93  | 65  | 41  | 91  | 107 | 104 | 93  | 36  | 6   | 41  | 9   | 0   | 0   | 0   | 3   | 0   | 6   | 14  |
|              | DPHI: | -4  | -4  | -4  | -1  | 1   | 2   | 5   | 7   | 9   | 11  | 11  | 11  | 13  | 21  | 22  | 24  | 26  | 27  | 29  | 30  | 33  | 35  | 37  |
|              | AZ:   | 244 | 247 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 0   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 38  | 42  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 1 11    | AZ:   | 146 | 149 | 151 | 152 | 155 | 160 | 163 | 164 | 166 | 169 | 170 | 173 | 197 | 201 | 203 | 206 | 207 | 221 | 222 | 229 | 233 | 235 | 244 |
| R = 10.0 KM; | OBS:  | 2   | 0   | 4   | 0   | 0   | 2   | 3   | 0   | 0   | 0   | 3   | 0   | 35  | 46  | 60  | 69  | 252 | 7   | 0   | 1   | 2   | 0   | 2   |
| JDGMT: -3    | DPHI: | -60 | -56 | -55 | -54 | -51 | -45 | -42 | -42 | -39 | -37 | -35 | -32 | -8  | -5  | -3  | 1   | 2   | 16  | 17  | 23  | 27  | 30  | 38  |

|              |     |     |     |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
|--------------|-----|-----|-----|------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|--|--|
| AZ:          | 248 | 251 |     |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
| OBS:         | 2   | 43  |     |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
| DPHI:        | 42  | 45  |     |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
|              |     |     |     |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
| 82           | 8   | 1   | 11  | AZ:  | 146   | 148  | 161 | 162 | 163 | 167 | 168 | 173 | 174 | 177 | 178 | 182 | 184 | 185 | 190 | 195 | 197 | 199 | 201 | 202 | 205 | 206 | 209 |    |  |  |
| R = 15.0 KM; |     |     |     | OBS: | 0     | 0    | 35  | 0   | 8   | 0   | 55  | 0   | 22  | 0   | 2   | 3   | 6   | 4   | 8   | 47  | 58  | 66  | 64  | 84  | 78  | 17  | 75  |    |  |  |
| JDGMT:       |     |     |     | 2    | DPHI: | -59  | -57 | -45 | -43 | -43 | -39 | -37 | -33 | -32 | -29 | -27 | -23 | -21 | -20 | -15 | -11 | -8  | -7  | -5  | -4  | -1  | 0   | 3  |  |  |
|              |     |     |     |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
| AZ:          | 212 | 225 | 229 | 230  | 233   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
| OBS:         | 128 | 21  | 3   | 5    | 2     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
| DPHI:        | 6   | 19  | 23  | 24   | 27    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
|              |     |     |     |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
| 82           | 8   | 1   | 11  | AZ:  | 149   | 152  | 156 | 160 | 162 | 169 | 176 | 179 | 180 | 184 | 188 | 192 | 197 | 200 | 204 | 208 | 212 | 217 | 220 | 224 | 228 | 233 | 236 |    |  |  |
| R = 20.0 KM; |     |     |     | OBS: | 0     | 2    | 0   | 2   | 7   | 0   | 0   | 1   | 44  | 3   | 0   | 0   | 29  | 110 | 77  | 54  | 98  | 58  | 15  | 0   | 22  | 8   | 0   |    |  |  |
| JDGMT:       |     |     |     | 3    | DPHI: | -57  | -54 | -49 | -46 | -44 | -37 | -29 | -27 | -26 | -22 | -18 | -14 | -9  | -5  | -1  | 3   | 6   | 11  | 15  | 19  | 23  | 27  | 31 |  |  |
|              |     |     |     |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
| AZ:          | 239 |     |     |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
| OBS:         | 3   |     |     |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
| DPHI:        | 34  |     |     |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
|              |     |     |     |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
| 82           | 8   | 1   | 11  | AZ:  | 68    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
| R = 30.0 KM; |     |     |     | OBS: | 0     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
| JDGMT:       |     |     |     | 0    | DPHI: | -138 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
|              |     |     |     |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
| 82           | 8   | 1   | 12  | AZ:  | 182   | 14   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
| R = 0.5 KM;  |     |     |     | OBS: | 9     | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
| JDGMT:       |     |     |     | 0    | DPHI: | -23  | 169 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
|              |     |     |     |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
| 82           | 8   | 1   | 12  | AZ:  | 6     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
| R = 1.0 KM;  |     |     |     | OBS: | 0     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
| JDGMT:       |     |     |     | 0    | DPHI: | 161  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
|              |     |     |     |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
| 82           | 8   | 1   | 12  | AZ:  | 358   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
| R = 2.0 KM;  |     |     |     | OBS: | 2     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
| JDGMT:       |     |     |     | 0    | DPHI: | 153  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
|              |     |     |     |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
| 82           | 8   | 1   | 12  | AZ:  | 142   | 150  | 158 | 166 | 174 | 230 | 238 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
| R = 3.0 KM;  |     |     |     | OBS: | 4     | 0    | 0   | 0   | 4   | 28  | 17  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
| JDGMT:       |     |     |     | 1    | DPHI: | -63  | -55 | -47 | -39 | -31 | 25  | 33  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
|              |     |     |     |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
| 82           | 8   | 1   | 12  | AZ:  | 147   | 155  | 158 | 162 | 166 | 170 | 174 | 178 | 182 | 186 | 190 | 193 | 199 | 202 | 206 | 210 | 214 | 218 | 218 | 221 | 226 | 230 |     |    |  |  |
| R = 5.0 KM;  |     |     |     | OBS: | 2     | 4    | 2   | 0   | 0   | 0   | 1   | 14  | 0   | 15  | 77  | 95  | 219 | 47  | 222 | 246 | 56  | 145 | 49  | 102 | 35  | 41  |     |    |  |  |
| JDGMT:       |     |     |     | 3    | DPHI: | -58  | -50 | -47 | -43 | -39 | -35 | -31 | -27 | -23 | -19 | -15 | -12 | -7  | -3  | 1   | 5   | 9   | 13  | 13  | 16  | 21  | 25  |    |  |  |
|              |     |     |     |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
| 82           | 8   | 1   | 12  | AZ:  | 145   | 149  | 151 | 153 | 155 | 156 | 157 | 160 | 168 | 170 | 174 | 176 | 178 | 180 | 184 | 186 | 189 | 191 | 192 | 197 | 199 | 201 | 202 |    |  |  |
| R = 7.0 KM;  |     |     |     | OBS: | 5     | 7    | 1   | 0   | 0   | 0   | 2   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 6   | 21  | 41  | 39  | 68  | 253 | 264 | 243 | 307 |    |  |  |
| JDGMT:       |     |     |     | 3    | DPHI: | -61  | -57 | -54 | -52 | -51 | -49 | -48 | -46 | -37 | -35 | -31 | -29 | -27 | -25 | -21 | -19 | -17 | -14 | -13 | -8  | -6  | -5  | -3 |  |  |
|              |     |     |     |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
| AZ:          | 202 | 202 | 204 | 206  | 208   | 211  | 212 | 214 | 217 | 217 | 217 | 217 | 219 | 227 | 228 | 230 | 232 | 233 | 234 | 236 | 239 | 241 | 243 | 244 |     |     |     |    |  |  |
| OBS:         | 304 | 294 | 298 | 260  | 203   | 172  | 114 | 104 | 38  | 74  | 75  | 92  | 38  | 18  | 14  | 1   | 0   | 8   | 0   | 0   | 4   | 0   | 0   |     |     |     |     |    |  |  |
| DPHI:        | -3  | -3  | -1  | 1    | 3     | 6    | 7   | 9   | 11  | 11  | 11  | 13  | 22  | 23  | 25  | 27  | 27  | 29  | 31  | 34  | 36  | 38  | 39  |     |     |     |     |    |  |  |

AZ: 247  
OBS: 0  
DPHI: 42

82 8 1 12 AZ: 146 149 151 152 155 156 160 163 164 166 169 170 173 197 201 203 207 209 212 214 216 218 221  
R = 10.0 KM; OBS: 2 0 2 0 2 0 2 46 2 0 0 4 0 169 194 236 160 143 126 39 101 38 4  
JDGMT: 3 DPHI: -59 -56 -55 -53 -51 -49 -45 -42 -41 -39 -37 -35 -32 -8 -4 -2 2 4 7 9 11 13 16

AZ: 222 229 233 235 244 248 251  
OBS: 17 23 4 0 2 0 4  
DPHI: 17 24 28 30 39 42 45

82 8 1 12 AZ: 146 148 161 162 163 167 168 173 174 177 178 182 184 185 190 195 197 199 201 202 205 206 209  
R = 15.0 KM; OBS: 0 0 3 29 3 0 2 2 0 4 9 5 0 13 14 18 70 88 118 141 142 24 155  
JDGMT: 3 DPHI: -59 -57 -44 -43 -42 -39 -37 -33 -31 -29 -27 -23 -21 -20 -15 -10 -8 -6 -4 -3 0 1 3

AZ: 212 225 226 229 230 233 234 237 238  
OBS: 137 7 4 0 0 2 0 3 3  
DPHI: 7 20 21 23 24 27 29 32 33

82 8 1 12 AZ: 149 152 156 160 162 169 176 180 184 188 192 197 200 204 208 212 217 220 224 228 233 236 239  
R = 20.0 KM; OBS: 2 11 0 0 13 0 0 14 11 0 5 15 41 89 180 163 35 32 8 5 47 0 3  
JDGMT: 3 DPHI: -56 -53 -49 -45 -43 -37 -29 -25 -22 -17 -13 -9 -5 -1 3 7 11 15 19 23 28 31 34

82 8 1 12 AZ: 68 68  
R = 30.0 KM; OBS: 0 0  
JDGMT: 0 DPHI: -137 -137

82 8 1 13 AZ: 182 14  
R = 0.5 KM; OBS: 4 0  
JDGMT: 0 DPHI: -20 172

82 8 1 13 AZ: 6  
R = 1.0 KM; OBS: 0  
JDGMT: 0 DPHI: 164

82 8 1 13 AZ: 358  
R = 2.0 KM; OBS: 0  
JDGMT: 0 DPHI: 156

82 8 1 13 AZ: 142 150 158 166 174 230 238  
R = 3.0 KM; OBS: 11 0 0 5 15 43 20  
JDGMT: 3 DPHI: -60 -52 -44 -36 -28 28 36

82 8 1 13 AZ: 147 151 155 158 162 166 170 174 178 182 186 190 193 199 202 206 214 214 218 221 226 230  
R = 5.0 KM; OBS: 34 0 0 7 14 16 7 21 55 95 143 191 216 209 188 174 65 158 131 85 57 31  
JDGMT: 3 DPHI: -55 -52 -47 -44 -40 -36 -32 -28 -24 -20 -16 -12 -9 -4 0 4 12 12 16 19 24 28

82 8 1 13 AZ: 145 149 151 153 155 156 157 160 168 170 174 176 178 180 182 184 186 189 191 192 197 201 202  
R = 7.0 KM; OBS: 2 7 0 3 0 0 0 0 11 14 24 13 27 34 65 80 55 134 170 197 219 202 211  
JDGMT: 3 DPHI: -58 -53 -51 -49 -48 -46 -45 -43 -34 -32 -28 -26 -24 -22 -20 -18 -16 -14 -11 -10 -5 -2 0



|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|--------------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
|              | AZ:   | 202  | 202 | 204 | 206 | 208 | 211 | 212 | 214 | 217 | 217 | 217 | 219 | 227 | 228 | 230 | 232 | 233 | 234 | 236 | 239 | 241 | 243 | 244 |  |
|              | OBS:  | 157  | 213 | 167 | 148 | 127 | 93  | 88  | 110 | 9   | 94  | 74  | 151 | 12  | 41  | 34  | 29  | 19  | 11  | 5   | 0   | 2   | 12  | 0   |  |
|              | DPHI: | 0    | 0   | 2   | 4   | 6   | 9   | 10  | 12  | 14  | 14  | 14  | 17  | 25  | 26  | 28  | 30  | 30  | 32  | 34  | 37  | 39  | 41  | 42  |  |
|              | AZ:   | 247  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              | OBS:  | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              | DPHI: | 45   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 8 1 13    | AZ:   | 146  | 149 | 151 | 152 | 155 | 156 | 160 | 163 | 164 | 166 | 169 | 170 | 173 | 197 | 201 | 203 | 206 | 207 | 209 | 212 | 214 | 216 | 218 |  |
| R = 10.0 KM; | OBS:  | 6    | 0   | 0   | 0   | 0   | 0   | 8   | 6   | 3   | 0   | 0   | 2   | 7   | 57  | 141 | 140 | 162 | 76  | 66  | 38  | 31  | 35  | 38  |  |
| JDGMT: 3     | DPHI: | -56  | -53 | -52 | -50 | -48 | -46 | -42 | -39 | -38 | -36 | -33 | -32 | -29 | -5  | -1  | 1   | 4   | 5   | 7   | 10  | 12  | 14  | 16  |  |
|              | AZ:   | 221  | 222 | 229 | 233 | 235 | 244 | 248 | 251 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              | OBS:  | 26   | 15  | 4   | 6   | 9   | 2   | 0   | 7   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              | DPHI: | 19   | 20  | 27  | 31  | 33  | 42  | 45  | 49  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 8 1 13    | AZ:   | 146  | 148 | 161 | 162 | 163 | 167 | 168 | 173 | 174 | 177 | 178 | 182 | 184 | 185 | 190 | 195 | 197 | 199 | 201 | 202 | 205 | 206 | 209 |  |
| R = 15.0 KM; | OBS:  | 0    | 0   | 3   | 0   | 2   | 2   | 3   | 0   | 22  | 2   | 2   | 4   | 0   | 2   | 11  | 59  | 44  | 62  | 93  | 124 | 99  | 57  | 95  |  |
| JDGMT: 3     | DPHI: | -56  | -54 | -41 | -40 | -39 | -36 | -34 | -30 | -28 | -25 | -24 | -20 | -18 | -17 | -12 | -7  | -5  | -3  | -1  | 0   | 3   | 4   | 7   |  |
|              | AZ:   | 212  | 225 | 226 | 229 | 230 | 233 | 234 | 237 | 238 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              | OBS:  | 37   | 30  | 16  | 10  | 4   | 8   | 2   | 8   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              | DPHI: | 10   | 23  | 24  | 26  | 28  | 30  | 32  | 35  | 36  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 8 1 13    | AZ:   | 149  | 152 | 156 | 160 | 162 | 169 | 176 | 179 | 180 | 184 | 188 | 192 | 197 | 200 | 204 | 208 | 212 | 217 | 220 | 224 | 228 | 233 | 236 |  |
| R = 20.0 KM; | OBS:  | 1    | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 4   | 52  | 0   | 8   | 43  | 69  | 89  | 68  | 19  | 4   | 17  | 4   | 3   | 7   | 0   |  |
| JDGMT: 3     | DPHI: | -53  | -50 | -46 | -42 | -40 | -34 | -26 | -23 | -22 | -18 | -14 | -10 | -6  | -2  | 2   | 6   | 10  | 14  | 18  | 22  | 26  | 31  | 34  |  |
|              | AZ:   | 239  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              | OBS:  | 5    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              | DPHI: | 37   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 8 1 13    | AZ:   | 68   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| R = 30.0 KM; | OBS:  | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| JDGMT: 0     | DPHI: | -134 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 8 1 14    | AZ:   | 182  | 14  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| R = 0.5 KM;  | OBS:  | 4    | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| JDGMT: 0     | DPHI: | -19  | 174 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 8 1 14    | AZ:   | 6    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| R = 1.0 KM;  | OBS:  | 1    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| JDGMT: 0     | DPHI: | 166  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 8 1 14    | AZ:   | 358  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| R = 2.0 KM;  | OBS:  | 1    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| JDGMT: 0     | DPHI: | 157  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 8 1 14    | AZ:   | 142  | 150 | 158 | 166 | 174 | 230 | 238 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| R = 3.0 KM;  | OBS:  | 36   | 0   | 0   | 14  | 20  | 8   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| JDGMT: 1     | DPHI: | -59  | -51 | -43 | -35 | -27 | 30  | 38  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |

|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|--------|------|-------|------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| 82     | 8    | 1     | 14   | AZ:   | 147  | 151 | 155 | 158 | 162 | 166 | 170 | 174 | 178 | 182 | 186 | 190 | 193 | 199 | 202 | 206 | 214 | 214 | 218 | 218 | 221 | 226 | 230 |  |
| R =    | 5.0  | KM;   | OBS: |       | 21   | 0   | 2   | 20  | 1   | 17  | 20  | 51  | 87  | 65  | 94  | 68  | 78  | 154 | 182 | 200 | 164 | 145 | 101 | 89  | 60  | 64  | 77  |  |
| JDGMT: | 3    | DPHI: |      |       | -54  | -50 | -46 | -43 | -39 | -35 | -31 | -27 | -22 | -19 | -15 | -11 | -7  | -2  | 1   | 6   | 13  | 13  | 17  | 17  | 20  | 25  | 29  |  |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82     | 8    | 1     | 14   | AZ:   | 145  | 149 | 151 | 153 | 155 | 156 | 157 | 160 | 168 | 170 | 174 | 176 | 178 | 180 | 182 | 184 | 186 | 189 | 191 | 192 | 197 | 199 | 201 |  |
| R =    | 7.0  | KM;   | OBS: |       | 8    | 1   | 0   | 12  | 0   | 0   | 0   | 0   | 0   | 0   | 2   | 11  | 72  | 43  | 60  | 66  | 105 | 124 | 145 | 153 | 175 | 224 | 239 |  |
| JDGMT: | 3    | DPHI: |      |       | -56  | -52 | -50 | -48 | -46 | -44 | -43 | -41 | -33 | -31 | -27 | -25 | -23 | -21 | -19 | -17 | -15 | -12 | -10 | -9  | -4  | -2  | 0   |  |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        |      |       |      | AZ:   | 202  | 202 | 202 | 204 | 206 | 208 | 211 | 212 | 214 | 217 | 217 | 217 | 219 | 227 | 228 | 230 | 232 | 233 | 234 | 236 | 239 | 241 | 243 |  |
|        |      |       |      | OBS:  | 241  | 198 | 243 | 243 | 225 | 213 | 121 | 116 | 97  | 87  | 54  | 85  | 119 | 62  | 66  | 6   | 8   | 0   | 0   | 9   | 0   | 4   | 0   |  |
|        |      |       |      | DPHI: | 1    | 1   | 1   | 4   | 6   | 7   | 10  | 11  | 13  | 16  | 16  | 16  | 18  | 26  | 27  | 29  | 31  | 32  | 33  | 35  | 38  | 40  | 42  |  |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        |      |       |      | AZ:   | 244  | 247 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        |      |       |      | OBS:  | 0    | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        |      |       |      | DPHI: | 43   | 47  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82     | 8    | 1     | 14   | AZ:   | 146  | 149 | 151 | 152 | 155 | 156 | 160 | 163 | 164 | 166 | 169 | 170 | 173 | 184 | 188 | 190 | 197 | 201 | 203 | 206 | 207 | 209 | 212 |  |
| R =    | 10.0 | KM;   | OBS: |       | 3    | 0   | 7   | 2   | 0   | 0   | 3   | 7   | 0   | 6   | 5   | 4   | 0   | 35  | 76  | 74  | 132 | 144 | 163 | 97  | 130 | 88  | 49  |  |
| JDGMT: | 3    | DPHI: |      |       | -55  | -51 | -50 | -49 | -46 | -45 | -40 | -38 | -37 | -34 | -32 | -31 | -27 | -17 | -13 | -11 | -4  | 0   | 2   | 5   | 7   | 8   | 12  |  |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        |      |       |      | AZ:   | 214  | 216 | 218 | 221 | 222 | 229 | 233 | 235 | 244 | 248 | 251 |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        |      |       |      | OBS:  | 50   | 41  | 42  | 35  | 34  | 12  | 2   | 9   | 0   | 0   | 2   |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        |      |       |      | DPHI: | 13   | 15  | 17  | 20  | 22  | 28  | 32  | 35  | 43  | 47  | 50  |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82     | 8    | 1     | 14   | AZ:   | 146  | 148 | 161 | 162 | 163 | 167 | 168 | 173 | 174 | 177 | 178 | 182 | 184 | 185 | 190 | 195 | 197 | 199 | 201 | 202 | 205 | 206 | 209 |  |
| R =    | 15.0 | KM;   | OBS: |       | 0    | 0   | 21  | 2   | 61  | 1   | 5   | 0   | 4   | 6   | 7   | 26  | 11  | 23  | 52  | 75  | 76  | 97  | 91  | 77  | 62  | 111 | 42  |  |
| JDGMT: | 3    | DPHI: |      |       | -55  | -53 | -40 | -38 | -38 | -34 | -33 | -28 | -27 | -24 | -23 | -18 | -17 | -15 | -11 | -6  | -4  | -2  | 0   | 1   | 4   | 5   | 8   |  |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        |      |       |      | AZ:   | 212  | 225 | 226 | 229 | 230 | 233 | 234 | 237 | 238 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        |      |       |      | OBS:  | 47   | 18  | 14  | 12  | 13  | 5   | 0   | 4   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        |      |       |      | DPHI: | 11   | 24  | 26  | 28  | 29  | 32  | 33  | 36  | 37  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82     | 8    | 1     | 14   | AZ:   | 149  | 152 | 156 | 160 | 162 | 169 | 179 | 180 | 184 | 188 | 192 | 197 | 200 | 204 | 208 | 212 | 217 | 220 | 224 | 228 | 233 | 236 | 239 |  |
| R =    | 20.0 | KM;   | OBS: |       | 0    | 7   | 0   | 1   | 12  | 0   | 0   | 2   | 5   | 0   | 7   | 32  | 59  | 46  | 39  | 32  | 12  | 18  | 0   | 8   | 8   | 0   | 7   |  |
| JDGMT: | 3    | DPHI: |      |       | -52  | -49 | -44 | -41 | -39 | -32 | -22 | -21 | -17 | -13 | -9  | -4  | 0   | 4   | 7   | 11  | 16  | 19  | 24  | 28  | 32  | 36  | 39  |  |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82     | 8    | 1     | 14   | AZ:   | 68   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| R =    | 30.0 | KM;   | OBS: |       | 49   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| JDGMT: | 0    | DPHI: |      |       | -133 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82     | 8    | 1     | 15   | AZ:   | 182  | 14  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| R =    | 0.5  | KM;   | OBS: |       | 9    | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| JDGMT: | 0    | DPHI: |      |       | -23  | 170 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82     | 8    | 1     | 15   | AZ:   | 6    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| R =    | 1.0  | KM;   | OBS: |       | 1    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| JDGMT: | 0    | DPHI: |      |       | 162  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        |      |       |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82     | 8    | 1     | 15   | AZ:   | 358  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| R =    | 2.0  | KM;   | OBS: |       | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| JDGMT: | 0    | DPHI: |      |       | 153  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |

82 8 1 15 AZ: 142 150 158 166 174 230 238  
R = 3.0 KM; OBS: 3 0 0 4 6 66 30  
JDGMT: 3 DPHI: -63 -55 -47 -39 -31 26 34

82 8 1 15 AZ: 147 151 155 158 162 166 170 174 178 182 186 190 193 199 202 206 214 214 218 218 221 226 230  
R = 5.0 KM; OBS: 2 0 4 2 3 0 3 0 9 11 23 42 64 164 185 190 147 126 88 81 96 24 22  
JDGMT: 3 DPHI: -58 -54 -50 -47 -43 -39 -35 -31 -26 -23 -19 -15 -11 -6 -3 2 9 9 13 13 17 21 25

82 8 1 15 AZ: 145 149 151 153 155 156 157 160 168 170 174 176 178 180 182 184 186 189 191 192 197 199 201  
R = 7.0 KM; OBS: 3 12 27 0 0 0 0 10 0 0 0 0 14 8 13 24 42 32 31 60 128 88 180  
JDGMT: 3 DPHI: -60 -56 -54 -52 -50 -48 -47 -45 -37 -35 -31 -29 -27 -25 -23 -21 -19 -16 -14 -13 -8 -6 -4

AZ: 202 202 202 204 206 208 211 212 214 217 217 217 219 227 228 230 232 233 234 236 239 241 243  
OBS: 228 222 229 180 183 135 164 141 76 78 76 88 81 21 72 20 34 16 13 4 0 0 16  
DPHI: -3 -3 -3 0 2 3 6 7 9 12 12 12 14 22 23 25 27 28 29 31 34 36 38

AZ: 244 247  
OBS: 0 0  
DPHI: 39 43

82 8 1 15 AZ: 146 149 151 152 155 156 160 163 164 166 169 170 173 184 188 190 197 201 203 206 207 209 212  
R = 10.0 KM; OBS: 5 1 15 6 0 0 3 0 12 0 0 15 0 14 11 31 81 85 107 113 131 122 118  
JDGMT: 3 DPHI: -59 -55 -54 -53 -50 -49 -44 -42 -41 -38 -36 -35 -31 -21 -17 -15 -8 -4 -2 1 3 4 8

AZ: 214 216 218 221 222 229 233 235 244 248 251  
OBS: 84 71 70 54 51 21 0 2 44 0 6  
DPHI: 9 11 13 16 18 24 28 31 39 43 46

82 8 1 15 AZ: 146 148 161 162 163 167 168 173 174 177 178 182 184 185 190 195 197 199 201 202 205 206 209  
R = 15.0 KM; OBS: 0 0 1 0 11 9 2 0 29 0 4 10 10 16 39 50 86 101 106 125 132 42 85  
JDGMT: 3 DPHI: -59 -57 -44 -42 -42 -38 -37 -32 -31 -28 -27 -22 -21 -19 -15 -10 -8 -6 -4 -3 0 1 4

AZ: 212 225 226 229 230 233 234 237 238  
OBS: 51 41 13 11 6 12 6 6 3  
DPHI: 7 20 22 24 25 28 29 32 33

82 8 1 15 AZ: 149 152 156 160 162 169 176 179 180 184 188 192 197 200 204 208 212 217 220 224 228 233 236  
R = 20.0 KM; OBS: 0 9 0 0 0 3 2 13 5 4 34 53 110 59 50 35 31 22 20 0 7 12 8  
JDGMT: 3 DPHI: -56 -53 -48 -45 -43 -36 -28 -26 -25 -21 -17 -13 -8 -4 0 3 7 12 15 20 24 28 32

AZ: 239  
OBS: 2  
DPHI: 35

82 8 1 15 AZ: 68 68  
R = 30.0 KM; OBS: 0 47  
JDGMT: 0 DPHI: -137 -137

82 8 1 16 AZ: 182 14  
R = 0.5 KM; OBS: 3 2  
JDGMT: 0 DPHI: -23 170

82 8 1 16 AZ: 6  
R = 1.0 KM; OBS: 0  
JDGMT: 0 DPHI: 162

82 8 1 16 AZ: 358  
R = 2.0 KM; OBS: 2  
JDGMT: 0 DPHI: 153

82 8 1 16 AZ: 142 150 158 166 174 230 238  
R = 3.0 KM; OBS: 2 0 0 0 8 46 33  
JDGMT: 1 DPHI: -63 -55 -47 -38 -31 26 34

82 8 1 16 AZ: 147 151 155 158 162 166 170 174 178 182 186 190 193 199 202 206 214 214 218 218 221 226 230  
R = 5.0 KM; OBS: 17 0 2 7 1 0 0 10 89 54 43 105 62 88 153 148 139 16 152 133 98 70 114  
JDGMT: 3 DPHI: -58 -54 -50 -47 -43 -38 -34 -30 -26 -23 -19 -15 -11 -6 -3 2 9 9 13 13 17 22 25

82 8 1 16 AZ: 145 149 151 153 155 156 157 160 168 170 174 176 178 180 182 184 186 189 191 192 197 199 201  
R = 7.0 KM; OBS: 4 16 0 2 0 19 2 20 0 0 3 0 51 51 64 92 110 128 146 108 151 190 217  
JDGMT: 3 DPHI: -60 -56 -54 -52 -50 -48 -47 -45 -36 -34 -30 -29 -27 -25 -23 -21 -18 -16 -14 -12 -8 -6 -4

AZ: 202 202 202 204 206 208 211 212 214 217 217 217 219 227 228 230 232 233 234 236 239 241 243  
OBS: 216 204 204 184 174 148 142 135 119 118 118 148 109 51 73 44 55 69 67 64 64 28 9  
DPHI: -3 -3 -3 0 2 3 6 8 10 12 12 12 14 22 23 25 27 28 29 31 34 36 38

AZ: 244 247  
OBS: 0 0  
DPHI: 39 43

82 8 1 16 AZ: 146 149 151 152 155 156 160 163 164 166 169 170 173 184 188 190 197 201 203 206 207 209 214  
R = 10.0 KM; OBS: 2 0 5 2 2 3 34 1 1 0 0 49 0 13 14 50 78 103 105 122 81 111 83  
JDGMT: 3 DPHI: -59 -55 -54 -53 -50 -48 -44 -42 -41 -38 -36 -34 -31 -20 -16 -14 -7 -4 -2 2 3 4 10

AZ: 216 218 221 222 229 233 235 244 248 251  
OBS: 61 66 56 42 51 54 16 2 2 2  
DPHI: 11 13 16 18 24 28 31 39 43 46

82 8 1 16 AZ: 146 148 161 162 163 167 168 173 174 177 178 182 184 185 190 195 197 199 201 202 205 206 209  
R = 15.0 KM; OBS: 0 0 33 0 4 0 30 0 14 10 7 6 10 26 22 43 56 73 66 102 90 46 98  
JDGMT: 3 DPHI: -58 -57 -44 -42 -42 -38 -36 -32 -31 -28 -27 -22 -21 -19 -15 -10 -8 -6 -4 -3 0 1 4

AZ: 212 225 226 229 230 233 234 237 238  
OBS: 69 88 12 12 21 23 16 10 0  
DPHI: 7 20 22 24 25 28 29 32 33

82 8 1 16 AZ: 149 152 156 160 162 169 176 179 180 184 188 192 197 200 204 208 212 220 224 228 233 236 239  
R = 20.0 KM; OBS: 1 4 0 0 15 0 4 58 3 11 6 35 47 75 81 34 42 33 19 5 10 0 6  
JDGMT: 3 DPHI: -56 -53 -48 -45 -43 -36 -28 -26 -25 -21 -17 -13 -8 -4 0 3 7 16 20 24 28 32 35

82 8 1 16 AZ: 68 68  
R = 30.0 KM; OBS: 0 47  
JDGMT: 0 DPHI: -137 -137

82 8 1 17 AZ: 182 14  
R = 0.5 KM; OBS: 8 0  
JDGMT: 0 DPHI: -24 168

82 8 1 17 AZ: 6  
R = 1.0 KM; OBS: 0  
JDGMT: 0 DPHI: 160

82 8 1 17 AZ: 358  
R = 2.0 KM; OBS: 0  
JDGMT: 0 DPHI: 152

82 8 1 17 AZ: 142 150 158 166 174 230 238  
R = 3.0 KM; OBS: 0 0 0 12 11 32 40  
JDGMT: 1 DPHI: -64 -56 -48 -40 -32 24 32

82 8 1 17 AZ: 147 151 155 158 162 166 170 174 178 182 186 190 193 199 202 206 214 214 218 218 221 226 230  
R = 5.0 KM; OBS: 1 15 0 11 0 0 0 0 34 91 88 53 81 129 125 118 170 10 211 190 160 140 57  
JDGMT: 3 DPHI: -60 -56 -52 -48 -44 -40 -36 -32 -28 -24 -21 -16 -13 -8 -4 0 7 7 12 12 15 20 24

82 8 1 17 AZ: 145 149 151 153 155 156 157 160 168 170 176 178 180 182 184 186 189 191 192 197 199 201 202  
R = 7.0 KM; OBS: 5 8 4 0 0 0 3 0 3 2 9 8 17 34 50 102 89 101 89 105 134 123 150  
JDGMT: 3 DPHI: -62 -58 -56 -54 -52 -50 -49 -47 -38 -36 -30 -28 -26 -24 -22 -20 -18 -16 -14 -10 -7 -6 -4

AZ: 202 202 204 206 208 211 212 214 217 217 217 219 227 228 230 232 233 234 236 239 241 243 244  
OBS: 105 144 114 108 101 82 98 86 61 69 73 91 119 20 22 13 12 21 12 7 0 0 3  
DPHI: -4 -4 -2 0 2 4 6 8 10 10 10 12 20 22 24 26 26 28 30 33 35 37 38

AZ: 247  
OBS: 0  
DPHI: 41

82 8 1 17 AZ: 146 149 151 152 155 156 160 163 164 166 169 170 173 184 188 190 197 201 203 206 207 209 214  
R = 10.0 KM; OBS: 13 1 2 0 0 0 4 2 0 3 5 9 12 26 63 71 104 121 91 86 105 87 67  
JDGMT: 3 DPHI: -60 -57 -56 -54 -52 -50 -46 -43 -42 -40 -38 -36 -33 -22 -18 -16 -9 -6 -3 0 1 3 8

AZ: 216 218 221 222 229 233 235 244 248 251  
OBS: 54 47 66 49 24 11 22 2 3 6  
DPHI: 10 11 15 16 22 27 29 38 41 44

82 8 1 17 AZ: 146 148 161 162 163 167 168 173 174 177 178 182 184 185 190 195 197 199 201 202 205 206 209  
R = 15.0 KM; OBS: 0 0 5 2 6 0 10 17 0 9 6 9 17 17 38 77 59 66 15 95 80 72 79  
JDGMT: 3 DPHI: -60 -58 -46 -44 -43 -40 -38 -34 -33 -30 -28 -24 -22 -21 -16 -12 -9 -7 -6 -4 -2 -1 2

AZ: 212 225 226 229 230 233 234 237 238  
OBS: 80 64 20 25 44 38 36 38 48  
DPHI: 6 19 20 22 23 26 28 30 31

82 8 1 17 AZ: 149 152 156 160 169 176 179 180 184 188 192 197 200 204 212 220 224 228 233 236 239  
R = 20.0 KM; OBS: 0 3 0 6 0 0 0 10 2 7 21 36 55 42 101 33 29 17 16 10 47  
JDGMT: 3 DPHI: -58 -54 -50 -47 -38 -30 -28 -26 -23 -19 -15 -10 -6 -2 5 14 18 22 27 30 33

82 8 1 17 AZ: 68 68  
R = 30.0 KM; OBS: 0 13  
JDGMT: 0 DPHI: -138 -138

82 8 1 18 AZ: 182 14  
R = 0.5 KM; OBS: 2 0  
JDGMT: 0 DPHI: -23 169

82 8 1 18 AZ: 6  
R = 1.0 KM; OBS: 0  
JDGMT: 0 DPHI: 161

82 8 1 18 AZ: 358  
R = 2.0 KM; OBS: 1  
JDGMT: 0 DPHI: 153

82 8 1 18 AZ: 142 150 158 166 174 230 238  
R = 3.0 KM; OBS: 2 15 0 0 12 18 0  
JDGMT: 1 DPHI: -63 -55 -47 -39 -31 25 33

82 8 1 18 AZ: 147 151 155 158 162 166 170 174 178 182 186 190 193 199 202 206 214 214 218 218 221 226 230  
R = 5.0 KM; OBS: 56 0 0 2 0 0 10 11 31 34 44 48 94 88 131 97 97 51 95 102 96 112 48  
JDGMT: 3 DPHI: -58 -54 -50 -47 -43 -39 -35 -31 -27 -23 -19 -15 -12 -6 -3 1 9 9 13 13 16 21 25

82 8 1 18 AZ: 145 149 151 153 155 156 157 160 168 170 176 178 180 182 184 186 189 191 192 197 199 201 202  
R = 7.0 KM; OBS: 3 2 0 0 0 0 2 0 0 8 16 22 21 30 61 67 129 171 83 113 109 121 149  
JDGMT: 3 DPHI: -61 -56 -54 -52 -50 -49 -48 -45 -37 -35 -29 -27 -25 -23 -21 -19 -16 -14 -13 -8 -6 -5 -3

AZ: 202 202 204 206 208 211 212 214 217 217 217 219 227 228 230 232 233 234 236 239 241 243 244  
OBS: 163 156 157 148 154 91 114 110 128 125 104 115 78 37 0 41 25 16 8 0 0 4 0  
DPHI: -3 -3 -1 1 3 6 7 9 11 11 12 14 22 23 25 27 28 29 31 34 36 38 39

AZ: 247  
OBS: 0  
DPHI: 42

82 8 1 18 AZ: 146 149 151 152 155 156 160 163 164 166 169 170 173 184 188 190 197 201 203 206 207 209 214  
R = 10.0 KM; OBS: 7 0 3 0 2 0 2 2 0 1 0 10 0 41 40 114 129 108 106 109 59 99 118  
JDGMT: 3 DPHI: -59 -56 -54 -53 -50 -49 -45 -42 -41 -39 -36 -35 -32 -21 -17 -15 -8 -4 -2 1 2 4 9

AZ: 216 218 221 222 229 233 235 244 248 251  
OBS: 80 79 52 54 55 41 27 0 0 0  
DPHI: 11 13 16 17 24 28 30 39 43 46

82 8 1 18 AZ: 146 148 161 162 163 167 168 173 174 177 178 182 184 185 190 195 197 199 201 202 205 206 209  
R = 15.0 KM; OBS: 0 0 3 0 8 0 27 10 29 6 25 165 23 26 61 43 44 79 69 75 64 121 65  
JDGMT: 3 DPHI: -59 -57 -44 -43 -42 -38 -37 -33 -31 -28 -27 -23 -21 -20 -15 -10 -8 -6 -4 -3 0 1 4

AZ: 212 226 229 230 233 234 237 238  
OBS: 88 37 38 45 39 27 16 16  
DPHI: 7 21 23 25 27 29 32 33

|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|
| 82 8 1 18    | AZ:   | 149  | 152  | 156 | 160 | 169 | 176 | 179 | 180 | 184 | 188 | 192 | 197 | 200 | 204 | 208 | 212 | 217 | 220 | 224 | 228 | 233 | 236 | 239 |  |  |
| R = 20.0 KM; | OBS:  | 0    | 5    | 0   | 0   | 0   | 0   | 0   | 2   | 0   | 30  | 40  | 55  | 81  | 63  | 58  | 31  | 74  | 30  | 32  | 16  | 69  | 26  | 22  |  |  |
| JDGMT: 3     | DPHI: | -56  | -53  | -49 | -45 | -36 | -29 | -26 | -25 | -21 | -17 | -13 | -9  | -5  | -1  | 3   | 7   | 11  | 15  | 19  | 23  | 28  | 31  | 34  |  |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| 82 8 1 18    | AZ:   | 68   | 68   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| R = 30.0 KM; | OBS:  | 2    | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| JDGMT: 0     | DPHI: | -137 | -137 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| 82 8 1 19    | AZ:   | 182  | 14   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| R = 0.5 KM;  | OBS:  | 5    | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| JDGMT: 0     | DPHI: | -22  | 170  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| 82 8 1 19    | AZ:   | 6    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| R = 1.0 KM;  | OBS:  | 2    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| JDGMT: 0     | DPHI: | 162  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| 82 8 1 19    | AZ:   | 358  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| R = 2.0 KM;  | OBS:  | 0    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| JDGMT: 0     | DPHI: | 154  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| 82 8 1 19    | AZ:   | 142  | 150  | 158 | 166 | 174 | 230 | 238 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| R = 3.0 KM;  | OBS:  | 2    | 0    | 0   | 2   | 13  | 3   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| JDGMT: 1     | DPHI: | -62  | -54  | -46 | -38 | -30 | 26  | 34  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| 82 8 1 19    | AZ:   | 147  | 151  | 155 | 158 | 162 | 166 | 170 | 174 | 178 | 182 | 186 | 190 | 193 | 199 | 202 | 206 | 214 | 214 | 218 | 221 | 226 | 230 |     |  |  |
| R = 5.0 KM;  | OBS:  | 3    | 0    | 2   | 6   | 1   | 21  | 0   | 6   | 20  | 17  | 53  | 46  | 76  | 39  | 98  | 50  | 10  | 10  | 7   | 5   | 0   | 3   |     |  |  |
| JDGMT: 3     | DPHI: | -57  | -54  | -50 | -46 | -42 | -38 | -34 | -30 | -26 | -22 | -18 | -14 | -11 | -6  | -2  | 2   | 10  | 10  | 14  | 17  | 22  | 26  |     |  |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| 82 8 1 19    | AZ:   | 145  | 149  | 151 | 153 | 155 | 156 | 157 | 160 | 168 | 176 | 178 | 180 | 182 | 184 | 186 | 189 | 191 | 192 | 197 | 199 | 201 | 202 | 202 |  |  |
| R = 7.0 KM;  | OBS:  | 2    | 2    | 0   | 4   | 0   | 22  | 0   | 0   | 8   | 19  | 25  | 0   | 7   | 51  | 29  | 30  | 47  | 45  | 63  | 66  | 84  | 53  | 57  |  |  |
| JDGMT: 3     | DPHI: | -60  | -56  | -53 | -51 | -50 | -48 | -47 | -45 | -36 | -28 | -26 | -24 | -22 | -20 | -18 | -16 | -13 | -12 | -7  | -5  | -4  | -2  | -2  |  |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              | AZ:   | 202  | 204  | 206 | 208 | 211 | 212 | 214 | 217 | 217 | 217 | 219 | 227 | 228 | 230 | 232 | 233 | 234 | 236 | 239 | 241 | 243 | 247 |     |  |  |
|              | OBS:  | 60   | 37   | 35  | 37  | 100 | 52  | 60  | 82  | 93  | 90  | 55  | 56  | 28  | 29  | 0   | 1   | 6   | 17  | 0   | 0   | 17  | 0   |     |  |  |
|              | DPHI: | -2   | 0    | 2   | 4   | 6   | 8   | 10  | 12  | 12  | 12  | 14  | 22  | 24  | 26  | 28  | 28  | 30  | 32  | 35  | 37  | 39  | 43  |     |  |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| 82 8 1 19    | AZ:   | 146  | 149  | 151 | 152 | 155 | 156 | 160 | 163 | 164 | 166 | 169 | 170 | 173 | 184 | 188 | 190 | 197 | 201 | 203 | 206 | 207 | 209 | 214 |  |  |
| R = 10.0 KM; | OBS:  | 2    | 0    | 4   | 0   | 0   | 3   | 0   | 8   | 4   | 0   | 16  | 21  | 31  | 39  | 61  | 73  | 50  | 54  | 49  | 52  | 35  | 55  | 59  |  |  |
| JDGMT: 2     | DPHI: | -58  | -55  | -54 | -52 | -50 | -48 | -44 | -41 | -40 | -38 | -36 | -34 | -31 | -20 | -16 | -14 | -7  | -3  | -1  | 2   | 3   | 5   | 10  |  |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              | AZ:   | 216  | 218  | 221 | 222 | 229 | 233 | 235 | 244 | 248 | 251 |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              | OBS:  | 72   | 88   | 101 | 58  | 61  | 9   | 18  | 2   | 0   | 3   |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              | DPHI: | 12   | 14   | 17  | 18  | 24  | 29  | 31  | 40  | 43  | 46  |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| 82 8 1 19    | AZ:   | 146  | 148  | 161 | 162 | 163 | 167 | 168 | 173 | 174 | 177 | 178 | 182 | 184 | 190 | 195 | 197 | 199 | 201 | 202 | 205 | 206 | 209 | 212 |  |  |
| R = 15.0 KM; | OBS:  | 0    | 0    | 3   | 2   | 2   | 18  | 31  | 0   | 35  | 30  | 43  | 60  | 69  | 69  | 87  | 68  | 73  | 79  | 15  | 91  | 80  | 55  | 60  |  |  |
| JDGMT: 3     | DPHI: | -58  | -56  | -43 | -42 | -41 | -38 | -36 | -32 | -31 | -28 | -26 | -22 | -20 | -14 | -9  | -7  | -5  | -3  | -2  | 0   | 1   | 4   | 8   |  |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              | AZ:   | 225  | 226  | 229 | 230 | 233 | 234 | 237 | 238 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              | OBS:  | 51   | 51   | 43  | 53  | 45  | 47  | 46  | 30  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              | DPHI: | 21   | 22   | 24  | 25  | 28  | 30  | 33  | 34  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |

82 8 1 19 AZ: 149 152 156 160 169 176 179 180 184 188 192 197 200 204 208 212 217 220 224 228 233 236 239  
R = 20.0 KM; OBS: 0 4 0 0 0 5 20 78 6 16 45 39 47 67 58 42 1 30 25 20 79 27 19  
JDGMT: 2 DPHI: -55 -52 -48 -45 -36 -28 -26 -24 -21 -16 -12 -8 -4 0 4 8 12 16 20 24 29 32 35

82 8 1 19 AZ: 68 68  
R = 30.0 KM; OBS: 0 2  
JDGMT: 0 DPHI: -136 -136

82 8 2 11 AZ: 113 150 154 157 165 180 187 195 204 211 220 227 235 243 252 260 268 277 284 291 304 310  
R = 0.5 KM; OBS: 23 1 0 26 16 2 0 0 0 2 2 9 0 4 3 7 0 12 5 4 8 10  
JDGMT: 2 DPHI: -125 -89 -84 -81 -74 -59 -51 -43 -34 -27 -19 -11 -3 5 14 22 30 39 45 53 66 72

82 8 2 11 AZ: 142 149 157 165 172 181 189 197 205 213 222 228 236 245 253 261 268 277 285 315 14 46  
R = 1.0 KM; OBS: 0 7 3 0 0 0 0 2 0 11 7 0 5 0 5 0 7 3 3 5 70 4  
JDGMT: -2 DPHI: -97 -89 -81 -74 -66 -57 -49 -42 -33 -26 -16 -10 -2 7 15 22 30 39 47 77 136 168

82 8 2 11 AZ: 149 166 174 183 191 207 217 217 221 228 233 233 238 241 243 245 250 252 255 257 258 258 264  
R = 2.0 KM; OBS: 9 0 0 11 0 2 327 1 22 2 0 0 0 0 0 4 26 4 0 2 7 3 0  
JDGMT: 2 DPHI: -89 -72 -64 -55 -47 -31 -21 -21 -17 -10 -5 -5 -1 3 5 7 11 14 17 19 20 20 26

AZ: 273 275 278 285 309 317  
OBS: 0 8 234 4 0 3  
DPHI: 35 37 40 47 71 79

82 8 2 11 AZ: 150 158 166 174 230 238 243 245 247 248 262 278 286 286 295 309  
R = 3.0 KM; OBS: 0 0 3 0 4 30 3 0 2 21 0 0 2 10 0 4  
JDGMT: 3 DPHI: -88 -80 -72 -64 -8 0 5 7 9 9 24 40 47 47 57 71

82 8 2 11 AZ: 158 166 174 182 190 199 206 214 246 246 247 247 248 248 248 249 249 249 249 251 254 271 287  
R = 5.0 KM; OBS: 0 32 0 0 0 0 0 14 0 0 2 0 0 0 11 0 0 0 0 0 0 2 6  
JDGMT: 2 DPHI: -80 -72 -64 -56 -48 -40 -32 -24 7 8 8 9 9 10 10 10 11 11 11 13 16 33 48

AZ: 303 310  
OBS: 5 0  
DPHI: 64 72

82 8 2 11 AZ: 147 155 157 170 178 186 194 202 211 219 227 227 228 229 230 231 232 233 233 234 236 237 238  
R = 7.0 KM; OBS: 0 0 3 3 73 4 3 0 0 0 3 8 0 0 0 3 0 3 30 0 0 3 0  
JDGMT: 2 DPHI: -92 -84 -81 -68 -60 -52 -44 -36 -27 -19 -11 -11 -10 -9 -8 -7 -6 -6 -5 -4 -2 -1 0

AZ: 239 240 241 243 244 245 245 245 245 246 247 248 249 250 251 252 260 268 276 285 292 300 308  
OBS: 6 5 32 0 10 2 32 26 0 0 18 0 0 3 5 0 0 0 11 0 13 0  
DPHI: 1 2 3 5 6 7 7 7 7 8 9 10 11 12 13 14 22 30 38 47 54 62 70

82 8 2 11 AZ:  
R = 10.0 KM; OBS: NO VALUES GREATER THAN OR EQUAL TO ZERO  
JDGMT: 0 DPHI:

82 8 2 11 AZ: 163 173 181 193 197 205 212 229 237 254 262 269 276 284 292 300  
R = 15.0 KM; OBS: 3 0 75 0 0 3 6 0 7 0 0 0 0 0 6 21



JDGMT: 2 DPHI: -75 -66 -57 -45 -41 -33 -26 -10 -1 16 24 31 38 46 54 62  
  
 82 8 2 12 AZ: 113 150 154 157 165 180 187 195 204 211 220 227 235 243 252 260 268 277 284 291 304 310  
 R = 0.5 KM; OBS: 32 15 26 27 34 10 48 18 17 38 22 16 16 13 36 32 23 22 0 0 18 17  
 JDGMT: 3 DPHI: -105 -68 -64 -61 -53 -38 -30 -22 -14 -6 2 9 17 25 35 43 51 59 66 74 86 93  
  
 82 8 2 12 AZ: 46 142 149 157 165 172 181 189 197 205 213 222 228 236 245 253 261 268 277 285 315 14  
 R = 1.0 KM; OBS: 0 21 39 21 16 8 8 5 8 6 0 3 6 17 13 31 8 10 7 7 0 29  
 JDGMT: 2 DPHI: -172 -76 -69 -61 -53 -45 -36 -29 -21 -13 -5 4 11 18 27 35 43 50 59 67 97 156  
  
 82 8 2 12 AZ: 149 158 166 174 183 191 207 217 217 221 228 233 233 238 241 243 245 250 252 255 257 258 258  
 R = 2.0 KM; OBS: 12 10 5 8 4 0 2 7 6 23 18 5 0 2 0 19 3 6 3 0 2 27 6  
 JDGMT: 2 DPHI: -69 -60 -52 -44 -35 -27 -11 -1 -1 3 11 15 15 20 23 25 27 32 35 37 39 40 40  
  
 AZ: 264 273 275 278 285 309 317  
 OBS: 0 0 0 216 4 64 71  
 DPHI: 47 55 58 60 68 91 100  
  
 82 8 2 12 AZ: 150 158 166 174 230 230 238 243 245 247 248 262 278 286 286 295 309  
 R = 3.0 KM; OBS: 25 0 8 17 0 256 0 0 0 5 0 0 4 1 26 0 0  
 JDGMT: 3 DPHI: -68 -60 -52 -44 13 13 21 25 27 29 30 44 60 68 68 77 91  
  
 82 8 2 12 AZ: 158 166 174 182 190 199 206 214 246 246 247 247 248 248 248 249 249 249 249 251 254 271 279  
 R = 5.0 KM; OBS: 65 43 28 21 39 5 7 14 0 0 2 0 5 0 4 0 0 0 0 0 0 31 0  
 JDGMT: 2 DPHI: -60 -52 -44 -36 -28 -19 -12 -4 28 28 29 29 30 30 30 31 31 31 32 33 36 53 61  
  
 AZ: 287 294 303 310  
 OBS: 2 0 2 0  
 DPHI: 69 76 85 92  
  
 82 8 2 12 AZ: 147 155 157 170 178 186 194 202 211 219 227 227 228 229 230 231 232 233 233 234 236 237 238  
 R = 7.0 KM; OBS: 0 38 84 68 48 22 4 12 0 26 59 23 0 0 3 3 0 2 0 1 3 0 0  
 JDGMT: 2 DPHI: -71 -63 -60 -48 -40 -32 -23 -16 -7 1 9 9 10 11 12 13 14 15 15 16 18 19 20  
  
 AZ: 239 240 241 242 243 244 245 245 245 245 246 247 248 249 250 251 252 260 268 276 285 292 300  
 OBS: 5 19 0 10 0 2 6 0 0 0 0 0 0 0 2 2 2 4 11 0 27 0 3  
 DPHI: 21 22 23 24 25 26 27 27 27 27 29 30 30 31 32 33 34 42 51 58 67 74 82  
  
 AZ: 308  
 OBS: 0  
 DPHI: 90  
  
 82 8 2 12 AZ: 233  
 R = 10.0 KM; OBS: 20  
 JDGMT: 0 DPHI: 15  
  
 82 8 2 12 AZ: 163 173 181 193 197 205 212 229 237 244 254 262 269 276 284 292 300  
 R = 15.0 KM; OBS: 184 32 13 11 6 0 3 5 32 6 0 7 0 0 0 2 0  
 JDGMT: 2 DPHI: -55 -45 -37 -25 -21 -13 -6 11 19 26 36 45 51 58 66 75 82  
  
 82 8 2 13 AZ: 113 150 154 157 165 180 187 195 204 211 220 227 235 243 252 260 268 284 291 304 310  
 R = 0.5 KM; OBS: 0 13 0 9 9 4 0 0 5 10 0 0 0 0 3 0 4 0 0 10 0

JDGMT: 2 DPHI: -75 -38 -34 -31 -23 -8 0 8 16 24 32 39 47 55 65 73 81 96 104 117 123  
 82 8 2 13 AZ: 14 46 142 149 157 165 172 181 189 197 205 213 222 228 236 245 261 268 277 285 315  
 R = 1.0 KM; OBS: 8 20 57 34 18 0 9 0 6 3 0 5 0 5 3 0 4 0 0 0 1  
 JDGMT: 2 DPHI: -174 -142 -46 -39 -30 -23 -15 -6 2 9 17 25 34 41 49 58 73 81 89 97 127  
 82 8 2 13 AZ: 158 166 174 183 191 207 217 217 221 228 233 233 238 241 243 245 250 252 255 257 258 258 264  
 R = 2.0 KM; OBS: 35 34 24 8 0 3 2 91 0 13 0 0 4 0 0 3 20 6 2 0 6 2 0  
 JDGMT: 2 DPHI: -29 -22 -14 -5 3 19 29 29 33 41 45 45 50 53 55 57 62 65 67 70 70 70 77  
 AZ: 273 275 278 285 309 317  
 OBS: 27 9 96 0 2 20  
 DPHI: 85 88 90 98 121 130  
 82 8 2 13 AZ: 150 158 166 174 230 230 238 243 245 247 248 262 271 278 286 286 295 309  
 R = 3.0 KM; OBS: 74 44 56 31 0 6 0 0 0 2 0 0 0 0 1 1 0 0  
 JDGMT: 2 DPHI: -38 -30 -22 -14 43 43 51 55 57 59 60 74 83 90 98 98 107 121  
 82 8 2 13 AZ: 158 166 174 182 190 199 206 214 230 246 246 247 247 248 248 248 249 249 249 249 251 254 271  
 R = 5.0 KM; OBS: 81 86 37 0 0 5 0 2 0 0 0 1 0 0 0 21 0 0 2 0 0 2 3  
 JDGMT: 2 DPHI: -30 -21 -14 -6 2 11 19 26 42 58 58 59 59 60 60 60 61 61 62 62 63 66 83  
 AZ: 279 287 294 303 310  
 OBS: 0 2 0 9 2  
 DPHI: 91 99 106 115 122  
 82 8 2 13 AZ: 147 155 157 170 178 186 194 202 211 219 227 227 228 229 230 231 232 233 233 234 236 237 238  
 R = 7.0 KM; OBS: 17 22 60 97 175 12 4 0 0 0 5 4 0 0 0 2 0 2 0 0 0 0 2  
 JDGMT: 2 DPHI: -41 -33 -30 -17 -10 -1 7 14 23 31 39 39 40 41 42 43 44 45 45 46 48 49 50  
 AZ: 239 240 241 242 243 244 245 245 245 245 246 247 248 249 250 251 252 260 268 276 285 292 308  
 OBS: 3 0 0 2 0 3 3 0 0 0 0 0 2 0 8 3 2 0 0 0 4 22 0  
 DPHI: 51 52 53 54 55 56 57 57 57 57 59 60 60 61 62 63 64 72 81 89 97 104 120  
 82 8 2 13 AZ: 233  
 R = 10.0 KM; OBS: 2  
 JDGMT: 0 DPHI: 45  
 82 8 2 13 AZ: 163 173 181 193 197 205 212 229 237 244 254 262 269 276 284 292 300  
 R = 15.0 KM; OBS: 100 100 36 0 2 0 3 5 4 4 0 0 0 0 1 1 0  
 JDGMT: 2 DPHI: -25 -15 -7 5 9 17 24 41 49 56 66 75 81 88 96 105 112  
 82 8 2 14 AZ: 113 150 154 157 165 180 187 195 204 211 220 227 235 243 252 260 268 277 284 291 304 310  
 R = 0.5 KM; OBS: 26 46 5 33 29 38 36 0 0 3 0 0 0 0 2 0 0 0 0 0 0 2  
 JDGMT: 2 DPHI: -60 -23 -19 -16 -8 7 15 23 31 39 47 54 62 70 80 88 96 104 111 119 132 138  
 82 8 2 14 AZ: 14 46 142 149 157 165 172 181 189 197 205 213 222 228 236 245 253 261 268 277 285 315  
 R = 1.0 KM; OBS: 60 4 86 102 115 120 61 97 24 40 18 101 11 0 0 0 6 0 9 0 0 0  
 JDGMT: 3 DPHI: -158 -127 -31 -24 -15 -8 0 9 17 24 32 40 49 56 64 73 80 88 96 104 112 142  
 82 8 2 14 AZ: 149 158 166 174 183 191 207 217 217 221 228 233 233 238 241 243 245 250 252 255 257 258 258  
 R = 2.0 KM; OBS: 91 137 197 202 79 28 35 0 196 0 2 0 0 0 0 0 0 0 7 0 0 0 6

|        |      |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------|------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| JDGMT: | 2    | DPHI: | -24  | -14  | -7  | 2   | 10  | 18  | 34  | 44  | 44  | 48  | 56  | 60  | 60  | 65  | 68  | 70  | 73  | 77  | 80  | 82  | 85  | 86  | 86  |     |     |
|        |      | AZ:   | 264  | 273  | 275 | 278 | 285 | 309 | 317 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 0    | 8    | 4   | 0   | 0   | 4   | 2   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | 92   | 100  | 103 | 106 | 113 | 136 | 145 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 2     | 14   | AZ:  | 150 | 158 | 166 | 174 | 230 | 230 | 238 | 243 | 245 | 247 | 248 | 262 | 271 | 278 | 286 | 286 | 295 | 309 |     |     |     |     |     |
| R =    | 3.0  | KM;   | OBS: | 220  | 249 | 254 | 154 | 0   | 2   | 0   | 0   | 0   | 0   | 0   | 23  | 0   | 0   | 0   | 4   | 0   | 3   | 0   |     |     |     |     |     |
| JDGMT: | 3    | DPHI: | -23  | -15  | -6  | 1   | 58  | 58  | 66  | 70  | 72  | 75  | 75  | 90  | 98  | 106 | 113 | 113 | 122 | 137 |     |     |     |     |     |     |     |
|        |      |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 2     | 14   | AZ:  | 158 | 166 | 174 | 182 | 190 | 199 | 206 | 214 | 230 | 246 | 246 | 247 | 247 | 248 | 248 | 248 | 249 | 249 | 249 | 249 | 251 | 254 | 271 |
| R =    | 5.0  | KM;   | OBS: | 277  | 226 | 97  | 9   | 29  | 4   | 0   | 2   | 0   | 0   | 3   | 13  | 0   | 3   | 3   | 3   | 0   | 0   | 0   | 0   | 1   | 4   | 4   |     |
| JDGMT: | 2    | DPHI: | -15  | -6   | 2   | 10  | 17  | 26  | 34  | 41  | 57  | 73  | 73  | 74  | 74  | 75  | 75  | 76  | 76  | 76  | 77  | 77  | 78  | 81  | 98  |     |     |
|        |      | AZ:   | 279  | 287  | 294 | 303 | 310 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 0    | 2    | 3   | 3   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | 106  | 114  | 121 | 130 | 137 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 2     | 14   | AZ:  | 147 | 155 | 157 | 170 | 178 | 186 | 194 | 202 | 211 | 219 | 227 | 227 | 228 | 229 | 230 | 231 | 232 | 233 | 233 | 234 | 236 | 237 | 238 |
| R =    | 7.0  | KM;   | OBS: | 149  | 37  | 238 | 233 | 77  | 63  | 3   | 0   | 0   | 0   | 0   | 3   | 76  | 0   | 4   | 0   | 3   | 0   | 0   | 0   | 0   | 0   | 3   | 0   |
| JDGMT: | 2    | DPHI: | -26  | -18  | -15 | -2  | 5   | 14  | 22  | 29  | 38  | 46  | 54  | 54  | 55  | 56  | 57  | 59  | 59  | 60  | 61  | 62  | 63  | 64  | 65  |     |     |
|        |      | AZ:   | 239  | 240  | 241 | 242 | 243 | 244 | 245 | 245 | 245 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 252 | 260 | 268 | 276 | 285 | 292 | 300 |     |     |
|        |      | OBS:  | 3    | 0    | 0   | 2   | 0   | 10  | 3   | 27  | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 7   | 5   | 0   | 0   | 0   | 5   | 0   | 16  |     |     |
|        |      | DPHI: | 66   | 67   | 68  | 69  | 70  | 71  | 72  | 72  | 73  | 73  | 74  | 75  | 75  | 76  | 77  | 79  | 79  | 87  | 96  | 104 | 112 | 119 | 127 |     |     |
|        |      | AZ:   | 308  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 0    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | 135  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 2     | 14   | AZ:  | 233 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R =    | 10.0 | KM;   | OBS: | 2    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: | 0    | DPHI: | 60   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 2     | 14   | AZ:  | 163 | 173 | 181 | 193 | 197 | 205 | 212 | 229 | 237 | 244 | 254 | 262 | 269 | 276 | 284 | 292 | 300 |     |     |     |     |     |     |
| R =    | 15.0 | KM;   | OBS: | 14   | 56  | 67  | 15  | 1   | 0   | 21  | 8   | 3   | 6   | 25  | 0   | 4   | 4   | 0   | 2   | 0   |     |     |     |     |     |     |     |
| JDGMT: | 2    | DPHI: | -10  | 0    | 8   | 20  | 25  | 32  | 39  | 56  | 64  | 71  | 82  | 90  | 96  | 103 | 111 | 120 | 127 |     |     |     |     |     |     |     |     |
|        |      |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 2     | 15   | AZ:  | 113 | 150 | 154 | 157 | 165 | 180 | 187 | 195 | 204 | 211 | 220 | 227 | 235 | 243 | 252 | 260 | 268 | 277 | 284 | 291 | 304 | 310 |     |
| R =    | 0.5  | KM;   | OBS: | 28   | 31  | 27  | 125 | 117 | 148 | 137 | 69  | 0   | 90  | 27  | 10  | 9   | 5   | 4   | 3   | 0   | 2   | 0   | 0   | 16  | 6   |     |     |
| JDGMT: | 3    | DPHI: | -67  | -30  | -26 | -23 | -15 | 0   | 8   | 16  | 25  | 32  | 40  | 47  | 55  | 63  | 73  | 81  | 89  | 97  | 104 | 112 | 125 | 131 |     |     |     |
|        |      |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 2     | 15   | AZ:  | 14  | 46  | 142 | 149 | 157 | 165 | 172 | 181 | 189 | 197 | 205 | 213 | 222 | 228 | 236 | 245 | 253 | 261 | 268 | 277 | 285 | 315 |     |
| R =    | 1.0  | KM;   | OBS: | 2    | 0   | 108 | 140 | 165 | 167 | 88  | 113 | 158 | 119 | 38  | 14  | 34  | 47  | 36  | 8   | 39  | 0   | 3   | 0   | 0   | 2   |     |     |
| JDGMT: | 3    | DPHI: | -165 | -134 | -38 | -31 | -22 | -15 | -7  | 2   | 10  | 17  | 25  | 33  | 42  | 49  | 57  | 66  | 74  | 81  | 89  | 97  | 105 | 136 |     |     |     |
|        |      |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 2     | 15   | AZ:  | 149 | 158 | 166 | 174 | 183 | 191 | 207 | 217 | 217 | 221 | 228 | 233 | 233 | 238 | 241 | 243 | 245 | 250 | 252 | 255 | 257 | 258 | 258 |
| R =    | 2.0  | KM;   | OBS: | 117  | 155 | 234 | 243 | 135 | 66  | 41  | 41  | 61  | 94  | 55  | 0   | 0   | 8   | 0   | 0   | 0   | 0   | 4   | 7   | 0   | 0   | 2   |     |
| JDGMT: | 2    | DPHI: | -31  | -21  | -14 | -5  | 3   | 11  | 27  | 37  | 37  | 42  | 49  | 53  | 53  | 58  | 61  | 63  | 66  | 70  | 73  | 75  | 78  | 79  | 79  |     |     |
|        |      | AZ:   | 264  | 273  | 275 | 278 | 285 | 309 | 317 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 0    | 2    | 0   | 0   | 0   | 0   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |

|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
|              | DPHI: | 85   | 94   | 96  | 99  | 106 | 129 | 138 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 8 2 15    | AZ:   | 150  | 158  | 166 | 174 | 230 | 230 | 238 | 243 | 245 | 247 | 248 | 262 | 271 | 278 | 286 | 286 | 295 | 309 |     |     |     |     |     |  |
| R = 3.0 KM;  | OBS:  | 206  | 199  | 211 | 204 | 50  | 56  | 63  | 6   | 5   | 0   | 22  | 0   | 0   | 0   | 1   | 7   | 2   | 0   |     |     |     |     |     |  |
| JDGMT: 2     | DPHI: | -29  | -22  | -13 | -6  | 51  | 51  | 59  | 63  | 66  | 68  | 68  | 83  | 91  | 99  | 106 | 106 | 115 | 130 |     |     |     |     |     |  |
| 82 8 2 15    | AZ:   | 158  | 166  | 174 | 182 | 190 | 199 | 206 | 214 | 230 | 246 | 246 | 247 | 247 | 248 | 248 | 248 | 249 | 249 | 249 | 249 | 251 | 254 | 271 |  |
| R = 5.0 KM;  | OBS:  | 271  | 459  | 192 | 97  | 75  | 24  | 9   | 23  | 0   | 0   | 0   | 3   | 0   | 0   | 0   | 25  | 4   | 0   | 1   | 0   | 0   | 3   | 2   |  |
| JDGMT: 2     | DPHI: | -22  | -13  | -5  | 3   | 10  | 19  | 27  | 34  | 50  | 66  | 67  | 67  | 68  | 68  | 68  | 69  | 69  | 69  | 70  | 70  | 71  | 74  | 91  |  |
|              | AZ:   | 279  | 287  | 294 | 303 | 310 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              | OBS:  | 0    | 2    | 0   | 3   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              | DPHI: | 99   | 107  | 114 | 123 | 130 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 8 2 15    | AZ:   | 147  | 155  | 157 | 170 | 178 | 186 | 194 | 202 | 211 | 219 | 227 | 227 | 228 | 229 | 230 | 231 | 232 | 233 | 233 | 234 | 236 | 237 | 238 |  |
| R = 7.0 KM;  | OBS:  | 50   | 80   | 102 | 231 | 92  | 20  | 15  | 3   | 4   | 0   | 10  | 2   | 0   | 0   | 0   | 4   | 6   | 0   | 0   | 0   | 6   | 5   | 0   |  |
| JDGMT: 2     | DPHI: | -33  | -25  | -22 | -9  | -1  | 7   | 15  | 22  | 31  | 39  | 47  | 47  | 48  | 49  | 50  | 52  | 52  | 53  | 54  | 55  | 56  | 57  | 58  |  |
|              | AZ:   | 239  | 240  | 241 | 242 | 243 | 244 | 245 | 245 | 245 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 252 | 260 | 268 | 276 | 285 | 292 | 300 |  |
|              | OBS:  | 2    | 4    | 0   | 6   | 0   | 3   | 3   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 14  | 3   | 3   | 0   | 0   | 0   | 2   | 20  | 2   |  |
|              | DPHI: | 60   | 60   | 61  | 62  | 63  | 65  | 65  | 65  | 66  | 66  | 67  | 68  | 68  | 69  | 70  | 72  | 72  | 80  | 89  | 97  | 105 | 112 | 120 |  |
|              | AZ:   | 308  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              | OBS:  | 0    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              | DPHI: | 128  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 8 2 15    | AZ:   | 233  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| R = 10.0 KM; | OBS:  | 4    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| JDGMT: 0     | DPHI: | 53   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 8 2 15    | AZ:   | 163  | 173  | 181 | 193 | 197 | 205 | 212 | 229 | 237 | 244 | 254 | 262 | 269 | 276 | 284 | 292 | 300 |     |     |     |     |     |     |  |
| R = 15.0 KM; | OBS:  | 101  | 91   | 64  | 46  | 0   | 0   | 5   | 5   | 5   | 8   | 0   | 7   | 0   | 0   | 0   | 9   | 27  |     |     |     |     |     |     |  |
| JDGMT: 2     | DPHI: | -17  | -7   | 1   | 13  | 18  | 25  | 33  | 49  | 57  | 64  | 75  | 83  | 89  | 96  | 104 | 113 | 121 |     |     |     |     |     |     |  |
| 82 8 2 16    | AZ:   | 113  | 150  | 154 | 157 | 165 | 180 | 187 | 195 | 204 | 211 | 220 | 227 | 235 | 243 | 252 | 260 | 268 | 277 | 284 | 291 | 304 | 310 |     |  |
| R = 0.5 KM;  | OBS:  | 29   | 26   | 6   | 52  | 58  | 16  | 14  | 2   | 2   | 4   | 0   | 0   | 1   | 1   | 0   | 0   | 0   | 3   | 0   | 0   | 2   | 2   |     |  |
| JDGMT: 3     | DPHI: | -72  | -35  | -31 | -28 | -20 | -5  | 2   | 10  | 19  | 26  | 35  | 42  | 50  | 58  | 67  | 75  | 83  | 92  | 98  | 106 | 119 | 125 |     |  |
| 82 8 2 16    | AZ:   | 14   | 46   | 142 | 149 | 157 | 165 | 172 | 181 | 189 | 197 | 205 | 213 | 222 | 228 | 236 | 245 | 253 | 261 | 268 | 277 | 285 | 315 |     |  |
| R = 1.0 KM;  | OBS:  | 3    | 1    | 21  | 19  | 20  | 22  | 25  | 7   | 9   | 6   | 0   | 75  | 0   | 0   | 0   | 26  | 11  | 2   | 2   | 0   | 16  | 11  |     |  |
| JDGMT: 3     | DPHI: | -171 | -139 | -44 | -36 | -28 | -20 | -13 | -4  | 4   | 12  | 20  | 28  | 37  | 43  | 51  | 60  | 68  | 75  | 83  | 92  | 100 | 130 |     |  |
| 82 8 2 16    | AZ:   | 149  | 158  | 166 | 174 | 183 | 191 | 207 | 217 | 217 | 221 | 228 | 233 | 233 | 238 | 241 | 243 | 245 | 250 | 252 | 255 | 257 | 258 | 258 |  |
| R = 2.0 KM;  | OBS:  | 21   | 33   | 55  | 46  | 16  | 8   | 4   | 10  | 7   | 34  | 17  | 6   | 0   | 10  | 25  | 44  | 14  | 37  | 17  | 11  | 16  | 0   | 5   |  |
| JDGMT: 2     | DPHI: | -36  | -27  | -19 | -11 | -2  | 6   | 22  | 32  | 32  | 36  | 43  | 48  | 48  | 53  | 56  | 58  | 60  | 64  | 67  | 70  | 72  | 73  | 73  |  |
|              | AZ:   | 264  | 273  | 275 | 278 | 285 | 309 | 317 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              | OBS:  | 0    | 0    | 2   | 0   | 0   | 2   | 7   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              | DPHI: | 79   | 88   | 90  | 93  | 100 | 124 | 132 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 8 2 16    | AZ:   | 150  | 158  | 166 | 174 | 230 | 230 | 238 | 243 | 245 | 247 | 248 | 262 | 271 | 278 | 286 | 286 | 295 | 309 |     |     |     |     |     |  |
| R = 3.0 KM;  | OBS:  | 137  | 105  | 74  | 120 | 10  | 19  | 22  | 28  | 11  | 14  | 28  | 0   | 0   | 0   | 1   | 2   | 0   | 0   |     |     |     |     |     |  |

JDGMT: 2 DPHI: -35 -27 -19 -11 45 45 53 58 60 62 63 77 86 93 101 101 110 124  
 82 8 2 16 AZ: 158 166 174 182 190 199 206 214 230 246 246 247 248 248 248 249 249 249 249 251 254 271 279  
 R = 5.0 KM; OBS: 152 298 136 39 46 3 6 2 0 3 0 17 0 0 12 4 2 0 0 0 11 2 0  
 JDGMT: 2 DPHI: -27 -19 -11 -3 5 14 21 29 45 61 61 62 62 63 63 64 64 64 64 66 69 86 94  
 AZ: 287 294 303 310  
 OBS: 2 0 2 0  
 DPHI: 102 109 118 125  
 82 8 2 16 AZ: 147 155 157 170 178 186 194 202 211 219 227 227 228 229 230 231 232 233 233 234 236 237 238  
 R = 7.0 KM; OBS: 10 104 211 38 63 12 6 0 4 0 9 5 0 0 0 2 0 2 25 0 0 0 0  
 JDGMT: 2 DPHI: -38 -30 -28 -15 -7 1 9 17 26 34 42 42 43 44 45 46 47 48 48 49 51 52 53  
 AZ: 239 240 241 242 243 244 245 245 245 245 246 247 248 249 250 251 252 260 268 276 285 292 300  
 OBS: 3 2 0 3 0 2 2 34 27 0 0 0 0 0 3 2 2 0 0 0 17 0 2  
 DPHI: 54 55 56 57 58 59 60 60 60 60 61 62 63 64 65 66 67 75 83 91 100 107 115  
 AZ: 308  
 OBS: 22  
 DPHI: 123  
 82 8 2 16 AZ: 233  
 R = 10.0 KM; OBS: 2  
 JDGMT: 0 DPHI: 48  
 82 8 2 16 AZ: 163 173 181 193 197 205 212 229 237 244 254 262 269 276 284 292  
 R = 15.0 KM; OBS: 156 67 8 0 3 0 13 0 2 3 0 0 0 0 0 5  
 JDGMT: 2 DPHI: -22 -13 -4 8 12 20 27 43 52 59 69 77 84 91 99 107  
 82 8 2 17 AZ: 113 150 154 157 165 180 187 195 204 211 220 227 235 243 252 260 268 277 284 291 304 310  
 R = 0.5 KM; OBS: 12 20 0 27 17 5 33 8 12 8 11 8 10 8 6 8 0 0 0 0 9 2  
 JDGMT: 3 DPHI: -72 -36 -31 -28 -21 -6 2 10 19 26 34 42 50 58 67 75 83 92 98 106 119 125  
 82 8 2 17 AZ: 14 46 142 149 157 165 172 181 189 205 213 222 228 236 245 253 261 268 277 285 315  
 R = 1.0 KM; OBS: 6 0 92 73 54 22 21 29 22 9 30 9 3 10 15 3 0 14 0 0 6  
 JDGMT: 2 DPHI: -171 -139 -44 -36 -28 -21 -13 -4 4 20 27 37 43 51 60 68 75 83 92 99 130  
 82 8 2 17 AZ: 149 158 166 174 183 191 207 217 217 221 228 233 233 238 241 243 245 250 252 255 257 258 258  
 R = 2.0 KM; OBS: 53 57 41 27 54 25 25 7 24 46 2 12 4 7 0 0 3 0 9 0 1 0 8  
 JDGMT: 2 DPHI: -36 -27 -19 -11 -3 6 22 32 32 36 43 48 48 52 56 57 60 64 67 70 72 73 73  
 AZ: 264 273 275 278 285 309 317  
 OBS: 0 0 2 12 8 0 2  
 DPHI: 79 88 90 93 100 124 132  
 82 8 2 17 AZ: 150 158 166 230 230 238 243 245 247 248 262 271 278 286 286 295 309  
 R = 3.0 KM; OBS: 154 67 41 0 0 24 0 0 1 0 0 0 10 5 0 0 3  
 JDGMT: 2 DPHI: -35 -27 -19 45 45 53 58 60 62 62 77 86 93 100 100 109 124  
 82 8 2 17 AZ: 158 166 174 182 190 199 206 214 230 246 246 247 247 248 248 248 249 249 249 249 251 254 271  
 R = 5.0 KM; OBS: 147 38 12 6 28 0 0 21 0 0 0 3 0 1 0 20 0 6 0 0 2 0 0

|        |      |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------|------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| JDGMT: | 2    | DPHI: | -27  | -19  | -11 | -3  | 5   | 13  | 21  | 29  | 45  | 60  | 61  | 61  | 62  | 62  | 63  | 63  | 63  | 64  | 64  | 64  | 66  | 69  | 85  |     |     |
|        |      | AZ:   | 279  | 287  | 294 | 303 | 310 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 0    | 1    | 2   | 2   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | 94   | 101  | 109 | 117 | 125 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 2     | 17   | AZ:  | 147 | 155 | 157 | 170 | 178 | 186 | 194 | 202 | 211 | 219 | 227 | 227 | 228 | 229 | 230 | 231 | 232 | 233 | 234 | 236 | 237 | 238 | 239 |
| R =    | 7.0  | KM;   | OBS: | 53   | 150 | 103 | 42  | 11  | 5   | 0   | 0   | 0   | 0   | 0   | 3   | 15  | 0   | 1   | 0   | 3   | 2   | 58  | 0   | 0   | 5   | 0   | 2   |
| JDGMT: | 2    | DPHI: | -39  | -31  | -28 | -15 | -7  | 1   | 9   | 17  | 25  | 33  | 41  | 42  | 43  | 44  | 45  | 46  | 47  | 47  | 49  | 51  | 52  | 53  | 54  |     |     |
|        |      | AZ:   | 240  | 241  | 242 | 243 | 244 | 245 | 245 | 245 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 252 | 260 | 268 | 276 | 292 | 300 | 308 |     |     |     |
|        |      | OBS:  | 0    | 0    | 2   | 0   | 7   | 3   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 5   | 3   | 5   | 0   | 0   | 0   | 21  | 19  | 0   |     |     |     |
|        |      | DPHI: | 55   | 56   | 57  | 58  | 59  | 59  | 60  | 60  | 60  | 61  | 62  | 62  | 64  | 65  | 66  | 67  | 74  | 83  | 91  | 107 | 115 | 123 |     |     |     |
|        |      |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 2     | 17   | AZ:  | 233 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R =    | 10.0 | KM;   | OBS: | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: | 0    | DPHI: | 48   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 2     | 17   | AZ:  | 163 | 173 | 181 | 193 | 197 | 205 | 212 | 229 | 237 | 244 | 254 | 262 | 269 | 276 | 284 | 292 | 300 |     |     |     |     |     |     |
| R =    | 15.0 | KM;   | OBS: | 112  | 10  | 5   | 40  | 0   | 0   | 0   | 20  | 7   | 20  | 10  | 0   | 0   | 6   | 0   | 0   | 2   | 45  |     |     |     |     |     |     |
| JDGMT: | 2    | DPHI: | -22  | -13  | -4  | 7   | 12  | 19  | 27  | 43  | 52  | 59  | 69  | 77  | 83  | 91  | 99  | 107 | 115 |     |     |     |     |     |     |     |     |
|        |      |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 2     | 18   | AZ:  | 113 | 150 | 154 | 157 | 165 | 180 | 187 | 195 | 204 | 211 | 220 | 227 | 235 | 243 | 252 | 260 | 268 | 277 | 284 | 291 | 304 | 310 |     |
| R =    | 0.5  | KM;   | OBS: | 30   | 5   | 8   | 28  | 16  | 7   | 9   | 0   | 5   | 27  | 3   | 0   | 9   | 8   | 5   | 1   | 0   | 1   | 0   | 0   | 3   | 28  |     |     |
| JDGMT: | 2    | DPHI: | -85  | -48  | -44 | -41 | -33 | -18 | -10 | -2  | 7   | 14  | 22  | 29  | 37  | 45  | 55  | 63  | 71  | 79  | 86  | 94  | 107 | 113 |     |     |     |
|        |      |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 2     | 18   | AZ:  | 14  | 46  | 142 | 149 | 157 | 165 | 172 | 181 | 189 | 197 | 205 | 213 | 228 | 236 | 245 | 253 | 261 | 268 | 277 | 285 | 315 |     |     |
| R =    | 1.0  | KM;   | OBS: | 2    | 0   | 8   | 10  | 67  | 6   | 11  | 20  | 9   | 24  | 9   | 10  | 5   | 0   | 38  | 3   | 0   | 0   | 0   | 0   | 6   |     |     |     |
| JDGMT: | 2    | DPHI: | -183 | -152 | -56 | -49 | -40 | -33 | -25 | -16 | -8  | -1  | 7   | 15  | 31  | 39  | 48  | 55  | 63  | 71  | 79  | 87  | 117 |     |     |     |     |
|        |      |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 2     | 18   | AZ:  | 149 | 158 | 166 | 174 | 183 | 191 | 207 | 217 | 217 | 221 | 228 | 233 | 233 | 238 | 241 | 243 | 245 | 250 | 252 | 255 | 257 | 258 | 258 |
| R =    | 2.0  | KM;   | OBS: | 22   | 23  | 20  | 10  | 10  | 8   | 7   | 50  | 11  | 10  | 17  | 5   | 4   | 0   | 0   | 0   | 2   | 0   | 2   | 0   | 2   | 0   | 0   |     |
| JDGMT: | 3    | DPHI: | -49  | -39  | -32 | -23 | -15 | -7  | 9   | 19  | 19  | 24  | 31  | 35  | 35  | 40  | 43  | 45  | 48  | 52  | 55  | 57  | 60  | 61  | 61  |     |     |
|        |      | AZ:   | 264  | 273  | 275 | 278 | 285 | 309 | 317 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 0    | 2    | 7   | 0   | 2   | 0   | 9   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | 67   | 76   | 78  | 81  | 88  | 111 | 120 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 2     | 18   | AZ:  | 150 | 158 | 166 | 174 | 230 | 230 | 238 | 243 | 245 | 247 | 248 | 262 | 271 | 278 | 286 | 286 | 295 | 309 |     |     |     |     |     |
| R =    | 3.0  | KM;   | OBS: | 47   | 35  | 20  | 16  | 2   | 0   | 15  | 0   | 0   | 0   | 0   | 55  | 0   | 0   | 0   | 103 | 0   | 0   | 0   |     |     |     |     |     |
| JDGMT: | 2    | DPHI: | -47  | -40  | -31 | -24 | 33  | 33  | 41  | 45  | 48  | 50  | 50  | 65  | 73  | 81  | 88  | 88  | 97  | 112 |     |     |     |     |     |     |     |
|        |      |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 2     | 18   | AZ:  | 158 | 166 | 174 | 182 | 190 | 199 | 206 | 214 | 230 | 246 | 246 | 247 | 248 | 248 | 248 | 249 | 249 | 249 | 249 | 251 | 254 | 271 | 279 |
| R =    | 5.0  | KM;   | OBS: | 92   | 48  | 13  | 5   | 16  | 9   | 0   | 2   | 0   | 0   | 0   | 19  | 4   | 0   | 14  | 0   | 0   | 4   | 0   | 0   | 0   | 3   | 0   |     |
| JDGMT: | 2    | DPHI: | -40  | -31  | -23 | -15 | -8  | 1   | 9   | 16  | 32  | 48  | 49  | 49  | 50  | 50  | 51  | 51  | 51  | 52  | 52  | 53  | 56  | 73  | 81  |     |     |
|        |      | AZ:   | 287  | 294  | 303 | 310 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 2    | 0    | 2   | 15  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | 89   | 96   | 105 | 112 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 2     | 18   | AZ:  | 147 | 155 | 157 | 170 | 178 | 186 | 194 | 202 | 211 | 219 | 227 | 227 | 228 | 229 | 230 | 231 | 232 | 233 | 233 | 234 | 236 | 237 | 238 |
| R =    | 7.0  | KM;   | OBS: | 49   | 87  | 92  | 8   | 3   | 15  | 3   | 15  | 15  | 0   | 0   | 19  | 2   | 0   | 3   | 0   | 1   | 0   | 2   | 0   | 0   | 0   | 0   | 0   |

|        |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------|------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| JDGMT: | 2    | DPHI: | -51  | -43 | -40 | -27 | -19 | -11 | -3  | 4   | 13  | 21  | 29  | 29  | 30  | 31  | 32  | 34  | 34  | 35  | 36  | 37  | 38  | 39  | 40  |     |     |
|        |      | AZ:   | 239  | 240 | 241 | 242 | 243 | 244 | 245 | 245 | 245 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 252 | 260 | 268 | 276 | 292 | 300 | 308 |     |     |
|        |      | OBS:  | 3    | 0   | 0   | 2   | 0   | 2   | 12  | 0   | 0   | 0   | 2   | 0   | 0   | 0   | 2   | 2   | 2   | 0   | 0   | 0   | 0   | 1   | 0   |     |     |
|        |      | DPHI: | 42   | 42  | 43  | 44  | 45  | 46  | 47  | 47  | 48  | 48  | 49  | 50  | 50  | 51  | 52  | 54  | 54  | 62  | 71  | 79  | 94  | 102 | 110 |     |     |
|        |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 2     | 18   | AZ: | 233 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R =    | 10.0 | KM;   | OBS: | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: | 0    | DPHI: | 35   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 2     | 18   | AZ: | 173 | 181 | 193 | 197 | 205 | 212 | 229 | 237 | 244 | 254 | 262 | 269 | 276 | 284 | 292 | 300 |     |     |     |     |     |     |     |
| R =    | 15.0 | KM;   | OBS: | 11  | 2   | 0   | 0   | 0   | 4   | 2   | 3   | 0   | 0   | 0   | 0   | 0   | 0   | 19  | 0   |     |     |     |     |     |     |     |     |
| JDGMT: | 2    | DPHI: | -25  | -17 | -5  | 0   | 7   | 14  | 31  | 39  | 46  | 57  | 65  | 71  | 78  | 86  | 95  | 103 |     |     |     |     |     |     |     |     |     |
|        |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 2     | 19   | AZ: | 113 | 150 | 154 | 157 | 165 | 180 | 187 | 195 | 204 | 211 | 220 | 227 | 235 | 243 | 252 | 260 | 268 | 277 | 284 | 291 | 304 | 310 |     |
| R =    | 0.5  | KM;   | OBS: | 14  | 18  | 0   | 2   | 10  | 10  | 29  | 6   | 7   | 6   | 3   | 7   | 5   | 2   | 8   | 5   | 5   | 5   | 0   | 0   | 8   | 12  |     |     |
| JDGMT: | 3    | DPHI: | -89  | -53 | -48 | -45 | -38 | -23 | -15 | -7  | 2   | 9   | 17  | 25  | 33  | 41  | 50  | 58  | 66  | 75  | 81  | 89  | 102 | 108 |     |     |     |
|        |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 2     | 19   | AZ: | 46  | 142 | 157 | 165 | 172 | 181 | 189 | 197 | 205 | 213 | 222 | 228 | 236 | 245 | 253 | 261 | 268 | 277 | 285 | 315 | 14  |     |     |
| R =    | 1.0  | KM;   | OBS: | 0   | 12  | 7   | 1   | 9   | 0   | 3   | 6   | 0   | 59  | 26  | 4   | 3   | 0   | 5   | 3   | 2   | 0   | 0   | 2   | 10  |     |     |     |
| JDGMT: | 3    | DPHI: | -156 | -61 | -45 | -38 | -30 | -21 | -13 | -6  | 3   | 10  | 20  | 26  | 34  | 43  | 51  | 58  | 66  | 75  | 82  | 113 | 172 |     |     |     |     |
|        |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 2     | 19   | AZ: | 149 | 158 | 166 | 174 | 183 | 191 | 207 | 217 | 217 | 221 | 228 | 233 | 233 | 238 | 241 | 243 | 245 | 250 | 252 | 255 | 257 | 258 | 258 |
| R =    | 2.0  | KM;   | OBS: | 15  | 14  | 12  | 6   | 6   | 0   | 15  | 6   | 6   | 0   | 11  | 0   | 1   | 0   | 2   | 22  | 0   | 21  | 15  | 0   | 2   | 2   | 0   |     |
| JDGMT: | 2    | DPHI: | -54  | -44 | -36 | -28 | -20 | -12 | 5   | 15  | 15  | 19  | 26  | 31  | 31  | 35  | 39  | 40  | 43  | 47  | 50  | 53  | 55  | 56  | 56  |     |     |
|        |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | AZ:   | 273  | 275 | 278 | 285 | 309 | 317 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 2    | 2   | 0   | 23  | 14  | 4   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | 71   | 73  | 76  | 83  | 107 | 115 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 2     | 19   | AZ: | 150 | 158 | 166 | 174 | 230 | 243 | 245 | 247 | 248 | 262 | 271 | 278 | 286 | 295 | 309 |     |     |     |     |     |     |     |     |
| R =    | 3.0  | KM;   | OBS: | 40  | 31  | 22  | 24  | 4   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 3   | 10  | 0   | 4   |     |     |     |     |     |     |     |     |
| JDGMT: | 2    | DPHI: | -52  | -44 | -36 | -28 | 28  | 41  | 43  | 45  | 45  | 60  | 68  | 76  | 83  | 92  | 107 |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 2     | 19   | AZ: | 158 | 166 | 174 | 182 | 190 | 199 | 206 | 214 | 230 | 246 | 246 | 247 | 247 | 248 | 248 | 248 | 249 | 249 | 249 | 249 | 251 | 254 | 271 |
| R =    | 5.0  | KM;   | OBS: | 42  | 36  | 13  | 14  | 63  | 33  | 11  | 5   | 0   | 4   | 10  | 19  | 0   | 0   | 0   | 16  | 0   | 0   | 0   | 0   | 9   | 3   | 0   |     |
| JDGMT: | 3    | DPHI: | -44  | -36 | -28 | -20 | -12 | -4  | 4   | 11  | 28  | 43  | 44  | 44  | 44  | 45  | 45  | 46  | 46  | 46  | 47  | 47  | 47  | 49  | 52  | 68  |     |
|        |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | AZ:   | 279  | 287 | 294 | 303 | 310 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 0    | 2   | 0   | 15  | 15  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | 76   | 84  | 92  | 100 | 107 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 2     | 19   | AZ: | 147 | 155 | 157 | 170 | 178 | 186 | 194 | 202 | 211 | 219 | 227 | 227 | 228 | 229 | 230 | 231 | 232 | 233 | 233 | 234 | 236 | 237 | 238 |
| R =    | 7.0  | KM;   | OBS: | 66  | 74  | 60  | 26  | 31  | 42  | 32  | 20  | 0   | 0   | 0   | 3   | 0   | 0   | 0   | 1   | 0   | 1   | 0   | 0   | 14  | 0   | 0   |     |
| JDGMT: | 2    | DPHI: | -56  | -48 | -45 | -32 | -24 | -16 | -8  | 0   | 8   | 16  | 24  | 24  | 26  | 27  | 28  | 29  | 30  | 30  | 31  | 32  | 34  | 35  | 36  |     |     |
|        |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | AZ:   | 239  | 240 | 241 | 242 | 243 | 244 | 245 | 245 | 245 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 252 | 260 | 268 | 276 | 292 | 300 | 308 |     |     |
|        |      | OBS:  | 3    | 0   | 24  | 0   | 4   | 14  | 11  | 0   | 0   | 0   | 3   | 0   | 0   | 3   | 0   | 2   | 0   | 0   | 0   | 0   | 6   | 3   |     |     |     |
|        |      | DPHI: | 37   | 38  | 39  | 40  | 41  | 42  | 42  | 43  | 43  | 44  | 45  | 45  | 46  | 48  | 49  | 50  | 57  | 66  | 74  | 90  | 98  | 105 |     |     |     |
|        |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 2     | 19   | AZ: | 233 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R =    | 10.0 | KM;   | OBS: | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |

JDGMT: 0 DPHI: 31

82 8 2 19 AZ: 163 173 181 193 197 205 212 229 237 244 254 262 269 276 284 292 300  
R = 15.0 KM; OBS: 29 0 11 0 0 0 7 0 29 9 0 0 14 1 0 4 0  
JDGMT: 2 DPHI: -39 -30 -21 -10 -5 2 10 26 34 42 52 60 66 74 81 90 98

82 8 3 12 AZ: 326 335 342 350 1 8 14 16 23 30 42 47 54 62 71 78 87 94 101 110 118  
R = 0.5 KM; OBS: 8 0 0 10 6 5 23 0 0 41 3 0 0 3 5 20 14 0 3 0 11  
JDGMT: 3 DPHI: -82 -74 -66 -58 -47 -40 -34 -32 -26 -18 -7 -1 6 14 23 30 39 46 53 62 70

82 8 3 12 AZ: 323 332 342 350 358 6 14 22 30 38 46 72 78 94 102 109 118  
R = 1.0 KM; OBS: 4 0 0 4 0 4 0 61 6 0 5 0 5 6 0 38 25  
JDGMT: 3 DPHI: -85 -76 -66 -59 -50 -42 -34 -26 -18 -10 -2 24 30 46 54 61 69

82 8 3 12 AZ: 238 333 338 343 349 358 6 10 33 38 46 54 62 70 94 102 110 122 217  
R = 2.0 KM; OBS: 14 14 37 0 11 5 1 0 6 9 0 5 0 12 0 0 5 6 10  
JDGMT: 2 DPHI: -171 -75 -71 -66 -59 -50 -43 -39 -15 -10 -2 6 13 22 46 53 61 73 169

82 8 3 12 AZ: 335 341 351 357 5 14 23 30 42 46 59 59 59 59 59 59 59 59 59 59 61 70 78 87 94  
R = 3.0 KM; OBS: 0 0 11 12 16 0 0 3 2 5 0 0 38 3 14 3 1 0 0 7 4 18 0  
JDGMT: 3 DPHI: -74 -68 -57 -52 -43 -34 -26 -19 -6 -2 10 11 11 11 11 11 11 11 12 22 30 39 46

AZ: 102 110  
OBS: 9 0  
DPHI: 54 62

82 8 3 12 AZ: 334 342 351 0 7 14 22 30 31 32 33 34 35 36 37 38 39 39 40 41 43 44 45  
R = 5.0 KM; OBS: 0 2 0 0 0 5 0 2 5 0 4 0 10 0 5 0 0 7 0 5 0 3 18  
JDGMT: -3 DPHI: -74 -66 -57 -48 -41 -34 -27 -18 -17 -16 -15 -14 -13 -12 -11 -10 -9 -9 -8 -7 -5 -4 -3

AZ: 46 47 48 48 49 50 52 53 54 55 56 56 57 58 59 61 62 63 64 65 66 67 69  
OBS: 0 10 442 0 8 0 0 0 3 24 0 7 18 0 0 15 0 0 3 0 0 0 20  
DPHI: -2 -1 0 0 1 2 4 5 6 7 8 8 9 10 11 13 14 15 16 17 18 19 21

AZ: 70 71 72 80 89 97 106 114 122  
OBS: 0 13 27 0 0 4 0 0 4  
DPHI: 22 23 24 32 41 48 58 66 73

82 8 3 12 AZ: 343 350 358 4 12 22 31 39 41 41 43 44 45 46 47 48 49 50 51 51 53 53 55  
R = 10.0 KM; OBS: 0 0 0 0 0 3 0 7 5 0 0 0 0 0 0 0 5 2 0 0 0 0  
JDGMT: 2 DPHI: -66 -58 -50 -44 -36 -26 -18 -9 -7 -7 -6 -4 -3 -2 -2 -1 0 2 3 3 5 5 6

AZ: 57 58 58 59 60 66 71 79 86 94 103 108 117  
OBS: 2 0 3 0 2 0 3 5 0 6 0 7 7  
DPHI: 8 9 10 11 12 18 22 31 37 46 55 60 69

82 8 3 12 AZ: 334 351 7 23 46 54 70 87 103  
R = 15.0 KM; OBS: 4 0 2 9 0 0 4 7 15  
JDGMT: 2 DPHI: -74 -58 -42 -25 -3 6 22 38 55

82 8 3 13 AZ: 326 335 342 350 1 8 14 16 23 30 42 47 54 54 62 71 78 87 94 110  
R = 0.5 KM; OBS: 31 24 15 34 34 26 26 27 49 22 31 17 14 31 18 26 20 53 26 8



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JDGMT: 2  DPHI: -74 -65 -57 -50 -39 -32 -25 -23 -17 -9 2 7 14 15 22 32 39 48 54 70

82 8 3 13  AZ: 323 332 342 350 358 6 14 22 30 38 46 54 72 78 94 102 109 118
R = 1.0 KM; OBS: 39 24 3 47 31 12 16 11 17 9 18 14 25 9 22 9 48 17
JDGMT: 2  DPHI: -76 -67 -57 -50 -42 -33 -25 -17 -9 -1 6 14 33 38 54 62 70 78

82 8 3 13  AZ: 238 333 338 343 349 358 6 10 33 38 46 54 62 70 94 102 110 217
R = 2.0 KM; OBS: 28 25 0 0 20 7 9 0 17 13 9 14 9 5 7 10 17 18
JDGMT: 2  DPHI: -162 -66 -62 -57 -50 -41 -34 -30 -6 -1 6 15 22 31 55 62 70 177

82 8 3 13  AZ: 335 341 351 357 5 14 23 30 42 46 59 59 59 59 59 59 59 59 59 59 61 61 70 78 87
R = 3.0 KM; OBS: 6 17 6 15 50 8 13 4 7 0 12 4 8 7 5 4 11 12 0 3 9 18 45
JDGMT: 2  DPHI: -65 -59 -48 -43 -35 -25 -17 -10 3 7 19 20 20 20 20 20 20 20 20 21 21 31 39 47

      AZ: 94 102 110 118
      OBS: 5 9 15 8
      DPHI: 55 63 71 79

82 8 3 13  AZ: 334 342 351 0 7 14 22 30 31 32 33 34 35 36 37 38 39 39 40 41 43 44 45
R = 5.0 KM; OBS: 8 13 7 0 0 0 5 0 1 5 2 5 7 0 0 7 5 0 6 0 3 0 4
JDGMT: 3  DPHI: -66 -57 -49 -39 -32 -26 -18 -10 -8 -7 -6 -5 -4 -3 -2 -1 0 0 1 2 4 4 6

      AZ: 46 47 48 48 49 50 52 53 54 55 56 56 57 58 59 60 61 62 63 64 65 66 67
      OBS: 2 21 4 7 6 15 5 9 5 6 11 0 4 4 0 0 24 0 0 3 2 4 0
      DPHI: 6 7 8 8 9 10 12 14 15 16 17 17 18 19 20 21 22 23 24 25 26 27 28

      AZ: 69 70 71 80 89 97 106 114 122
      OBS: 15 0 22 3 6 0 8 5 0
      DPHI: 30 31 32 41 50 57 67 74 82

82 8 3 13  AZ: 343 350 358 4 12 22 31 39 41 41 43 44 45 46 47 48 49 50 51 51 53 53 55
R = 10.0 KM; OBS: 6 2 10 0 0 1 0 0 0 0 5 0 12 0 4 0 0 1 10 12 0 3 4
JDGMT: 2  DPHI: -57 -49 -41 -35 -27 -18 -9 0 2 2 3 5 6 6 7 8 9 11 11 12 13 14 15

      AZ: 57 58 58 59 60 66 71 79 86 94 108 117
      OBS: 0 7 3 0 6 5 0 0 2 13 0 9
      DPHI: 17 18 18 19 21 27 31 39 46 55 69 78

82 8 3 13  AZ: 334 351 7 23 46 54 70 87 103 119
R = 15.0 KM; OBS: 5 0 9 10 0 0 4 0 13 4
JDGMT: 3  DPHI: -65 -49 -33 -16 6 15 30 47 63 79

82 8 3 14  AZ: 326 335 342 350 1 8 14 16 23 30 42 47 54 54 62 71 78 87 94 101 110 118
R = 0.5 KM; OBS: 34 17 28 24 28 43 43 21 40 185 49 47 44 52 58 81 85 119 69 84 61 79
JDGMT: 3  DPHI: -81 -72 -64 -57 -46 -39 -32 -30 -24 -16 -5 0 7 8 15 24 32 40 47 54 63 71

82 8 3 14  AZ: 323 332 342 350 358 6 14 22 30 38 46 54 72 78 94 102 109 118
R = 1.0 KM; OBS: 8 11 31 26 18 33 34 43 40 50 57 86 27 30 12 21 17 26
JDGMT: 3  DPHI: -83 -74 -65 -57 -49 -40 -32 -24 -17 -8 -1 7 25 31 47 55 62 71

82 8 3 14  AZ: 238 333 338 343 349 358 6 10 33 38 46 54 62 70 94 102 110 217
R = 2.0 KM; OBS: 15 19 14 17 69 12 25 27 29 12 11 9 7 87 4 5 5 0

```

JDGMT: 2 DPHI: -169 -73 -69 -64 -57 -49 -41 -37 -13 -8 -1 7 15 23 48 55 63 170  
  
 82 8 3 14 AZ: 335 341 351 357 5 14 23 30 42 46 59 59 59 59 59 59 59 59 61 61 70 78 87  
 R = 3.0 KM; OBS: 9 9 12 61 20 14 8 7 15 3 3 0 21 6 5 10 4 3 4 13 0 7 60  
 JDGMT: 2 DPHI: -72 -66 -56 -50 -42 -33 -24 -17 -4 0 12 12 12 12 12 12 12 12 14 14 24 32 40  
  
 AZ: 94 102 110 118  
 OBS: 7 10 4 18  
 DPHI: 48 55 64 71  
  
 82 8 3 14 AZ: 334 342 351 0 7 14 22 30 31 32 33 34 35 36 37 38 39 39 39 40 41 43 44  
 R = 5.0 KM; OBS: 0 8 10 11 12 11 0 16 13 31 13 3 0 13 13 0 0 6 0 6 0 7 2  
 JDGMT: 2 DPHI: -73 -65 -56 -47 -40 -33 -25 -17 -15 -15 -13 -12 -12 -11 -10 -9 -8 -8 -8 -7 -6 -4 -3  
  
 AZ: 45 46 47 48 48 49 50 52 53 54 55 56 56 57 58 59 60 61 62 63 64 65 66  
 OBS: 32 0 6 5 0 18 0 5 2 9 21 0 9 58 0 0 0 23 0 0 0 0 0  
 DPHI: -2 -1 0 1 1 2 3 5 6 8 9 10 10 11 12 13 14 14 16 16 18 19 20  
  
 AZ: 67 69 70 71 72 80 89 97 106 114 122  
 OBS: 11 5 0 35 85 5 5 9 9 3 3  
 DPHI: 21 23 24 24 26 34 42 50 59 67 75  
  
 82 8 3 14 AZ: 343 350 358 4 12 22 31 39 41 41 43 44 45 46 47 48 49 50 51 51 53 53 55  
 R = 10.0 KM; OBS: 7 12 5 0 4 2 0 4 0 0 0 0 5 0 0 0 0 7 0 4 3 0 5  
 JDGMT: 2 DPHI: -64 -57 -48 -42 -34 -25 -16 -7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 6 8  
  
 AZ: 57 58 58 59 60 66 71 79 86 94 108 117  
 OBS: 3 0 3 0 4 0 4 3 4 0 9 5  
 DPHI: 10 11 11 12 13 20 24 32 39 47 62 71  
  
 82 8 3 14 AZ: 334 351 7 23 46 54 70 87 103 119  
 R = 15.0 KM; OBS: 4 0 4 0 0 0 3 0 0 5  
 JDGMT: 1 DPHI: -73 -56 -40 -24 -1 8 23 40 56 72  
  
 82 8 3 15 AZ: 326 335 342 350 1 8 14 16 23 30 42 47 54 54 62 71 78 87 94 101 110 118  
 R = 0.5 KM; OBS: 265 296 248 240 222 223 231 154 183 111 108 34 184 63 37 45 288 301 63 106 30 125  
 JDGMT: 2 DPHI: -63 -54 -46 -39 -28 -21 -14 -12 -6 2 13 18 25 26 33 42 50 58 65 72 81 89  
  
 82 8 3 15 AZ: 323 332 342 350 358 6 14 30 38 46 54 72 78 86 94 102 109 118  
 R = 1.0 KM; OBS: 208 172 83 78 70 28 28 24 9 22 65 0 5 12 12 4 61 8  
 JDGMT: 2 DPHI: -65 -56 -47 -39 -31 -22 -14 1 10 17 25 43 49 57 65 73 80 89  
  
 82 8 3 15 AZ: 238 333 338 343 349 358 6 10 33 38 46 54 62 70 94 102 110 217  
 R = 2.0 KM; OBS: 345 29 6 0 16 3 6 7 12 18 0 0 0 52 0 12 8 314  
 JDGMT: 2 DPHI: -151 -55 -51 -46 -39 -31 -23 -19 5 10 17 25 33 41 66 73 81 188  
  
 82 8 3 15 AZ: 335 341 351 357 5 14 23 30 42 46 59 59 59 59 59 59 59 59 61 61 70 78 87  
 R = 3.0 KM; OBS: 24 9 7 9 1 7 7 6 6 5 6 0 5 0 9 4 0 0 0 3 130 6 35  
 JDGMT: 3 DPHI: -54 -48 -38 -32 -24 -15 -6 1 14 18 30 30 30 30 30 30 30 32 32 42 50 58  
  
 AZ: 94 102 110 118  
 OBS: 4 7 7 6

|              |       |      |     |     |     |     |     |     |     |     |     |     |    |    |    |    |     |     |     |     |     |     |    |    |    |
|--------------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|-----|-----|-----|-----|-----|-----|----|----|----|
|              | DPHI: | 66   | 73  | 82  | 89  |     |     |     |     |     |     |     |    |    |    |    |     |     |     |     |     |     |    |    |    |
| 82 8 3 15    | AZ:   | 334  | 342 | 351 | 0   | 7   | 14  | 22  | 30  | 31  | 32  | 33  | 34 | 35 | 36 | 37 | 38  | 39  | 39  | 39  | 40  | 41  | 43 | 44 |    |
| R = 5.0 KM;  | OBS:  | 0    | 10  | 11  | 0   | 0   | 32  | 12  | 3   | 0   | 10  | 8   | 0  | 0  | 5  | 5  | 3   | 5   | 14  | 5   | 0   | 0   | 0  | 0  |    |
| JDGMT: 2     | DPHI: | -55  | -47 | -38 | -29 | -22 | -15 | -7  | 1   | 3   | 3   | 5   | 6  | 6  | 7  | 8  | 9   | 10  | 10  | 10  | 12  | 12  | 14 | 15 |    |
|              | AZ:   | 45   | 46  | 47  | 48  | 48  | 49  | 50  | 52  | 53  | 54  | 55  | 56 | 56 | 57 | 58 | 59  | 60  | 61  | 62  | 63  | 64  | 65 | 66 |    |
|              | OBS:  | 23   | 0   | 11  | 13  | 0   | 0   | 0   | 0   | 0   | 0   | 9   | 0  | 15 | 7  | 0  | 0   | 0   | 4   | 2   | 0   | 1   | 3  | 4  |    |
|              | DPHI: | 16   | 17  | 18  | 19  | 19  | 20  | 21  | 23  | 24  | 26  | 27  | 28 | 28 | 29 | 30 | 31  | 32  | 32  | 34  | 34  | 36  | 37 | 38 |    |
|              | AZ:   | 67   | 69  | 70  | 71  | 72  | 80  | 89  | 97  | 106 | 114 | 122 |    |    |    |    |     |     |     |     |     |     |    |    |    |
|              | OBS:  | 6    | 14  | 7   | 5   | 22  | 4   | 9   | 6   | 0   | 0   | 0   |    |    |    |    |     |     |     |     |     |     |    |    |    |
|              | DPHI: | 39   | 41  | 42  | 42  | 44  | 52  | 60  | 68  | 77  | 85  | 93  |    |    |    |    |     |     |     |     |     |     |    |    |    |
| 82 8 3 15    | AZ:   | 343  | 350 | 358 | 4   | 12  | 22  | 31  | 39  | 41  | 41  | 43  | 44 | 45 | 46 | 47 | 48  | 49  | 50  | 51  | 51  | 53  | 53 | 55 |    |
| R = 10.0 KM; | OBS:  | 4    | 4   | 0   | 3   | 0   | 3   | 3   | 0   | 3   | 3   | 0   | 0  | 0  | 4  | 4  | 0   | 6   | 72  | 3   | 1   | 0   | 0  | 0  |    |
| JDGMT: 3     | DPHI: | -46  | -39 | -30 | -24 | -16 | -7  | 2   | 11  | 12  | 13  | 14  | 15 | 16 | 17 | 18 | 19  | 20  | 21  | 22  | 23  | 24  | 24 | 26 |    |
|              | AZ:   | 57   | 58  | 58  | 59  | 60  | 66  | 79  | 86  | 94  | 108 | 117 |    |    |    |    |     |     |     |     |     |     |    |    |    |
|              | OBS:  | 6    | 8   | 3   | 10  | 12  | 6   | 0   | 0   | 8   | 0   | 6   |    |    |    |    |     |     |     |     |     |     |    |    |    |
|              | DPHI: | 28   | 29  | 29  | 30  | 31  | 38  | 50  | 57  | 65  | 80  | 89  |    |    |    |    |     |     |     |     |     |     |    |    |    |
| 82 8 3 15    | AZ:   | 334  | 351 | 7   | 23  | 46  | 54  | 70  | 87  | 103 | 119 |     |    |    |    |    |     |     |     |     |     |     |    |    |    |
| R = 15.0 KM; | OBS:  | 5    | 0   | 3   | 0   | 5   | 0   | 4   | 5   | 3   | 4   |     |    |    |    |    |     |     |     |     |     |     |    |    |    |
| JDGMT: 2     | DPHI: | -55  | -38 | -22 | -6  | 17  | 26  | 41  | 58  | 74  | 90  |     |    |    |    |    |     |     |     |     |     |     |    |    |    |
| 82 8 3 16    | AZ:   | 326  | 335 | 342 | 350 | 1   | 8   | 14  | 16  | 23  | 42  | 47  | 54 | 54 | 62 | 71 | 78  | 87  | 94  | 101 | 110 | 118 |    |    |    |
| R = 0.5 KM;  | OBS:  | 22   | 13  | 7   | 7   | 14  | 79  | 0   | 5   | 4   | 13  | 5   | 0  | 20 | 2  | 7  | 7   | 58  | 9   | 24  | 7   | 5   |    |    |    |
| JDGMT: 3     | DPHI: | -77  | -68 | -60 | -53 | -42 | -35 | -28 | -26 | -20 | -1  | 4   | 11 | 11 | 19 | 28 | 35  | 44  | 51  | 58  | 67  | 75  |    |    |    |
| 82 8 3 16    | AZ:   | 323  | 332 | 342 | 350 | 358 | 6   | 14  | 22  | 30  | 38  | 46  | 54 | 72 | 78 | 86 | 94  | 102 | 109 | 118 |     |     |    |    |    |
| R = 1.0 KM;  | OBS:  | 78   | 37  | 0   | 5   | 5   | 5   | 6   | 11  | 10  | 7   | 6   | 23 | 3  | 5  | 0  | 5   | 9   | 22  | 66  |     |     |    |    |    |
| JDGMT: 2     | DPHI: | -79  | -70 | -61 | -53 | -45 | -36 | -29 | -21 | -13 | -5  | 3   | 11 | 29 | 35 | 43 | 51  | 59  | 66  | 75  |     |     |    |    |    |
| 82 8 3 16    | AZ:   | 238  | 333 | 338 | 343 | 349 | 358 | 6   | 10  | 33  | 38  | 46  | 54 | 62 | 70 | 94 | 110 | 217 |     |     |     |     |    |    |    |
| R = 2.0 KM;  | OBS:  | 57   | 11  | 12  | 0   | 10  | 0   | 0   | 0   | 3   | 6   | 0   | 0  | 5  | 25 | 0  | 0   | 67  |     |     |     |     |    |    |    |
| JDGMT: 2     | DPHI: | -165 | -70 | -65 | -60 | -53 | -45 | -37 | -33 | -9  | -4  | 3   | 11 | 19 | 27 | 51 | 67  | 174 |     |     |     |     |    |    |    |
| 82 8 3 16    | AZ:   | 335  | 341 | 351 | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 59  | 59 | 59 | 59 | 59 | 59  | 59  | 59  | 59  | 61  | 61  | 70 | 78 | 87 |
| R = 3.0 KM;  | OBS:  | 6    | 11  | 11  | 34  | 5   | 0   | 0   | 0   | 0   | 0   | 20  | 0  | 10 | 0  | 13 | 0   | 2   | 12  | 6   | 0   | 0   | 8  | 5  |    |
| JDGMT: 2     | DPHI: | -68  | -62 | -52 | -46 | -38 | -29 | -20 | -13 | -1  | 4   | 16  | 16 | 16 | 16 | 16 | 16  | 16  | 16  | 16  | 18  | 18  | 27 | 36 | 44 |
|              | AZ:   | 94   | 102 | 110 | 118 |     |     |     |     |     |     |     |    |    |    |    |     |     |     |     |     |     |    |    |    |
|              | OBS:  | 0    | 8   | 4   | 6   |     |     |     |     |     |     |     |    |    |    |    |     |     |     |     |     |     |    |    |    |
|              | DPHI: | 51   | 59  | 68  | 75  |     |     |     |     |     |     |     |    |    |    |    |     |     |     |     |     |     |    |    |    |
| 82 8 3 16    | AZ:   | 334  | 342 | 351 | 0   | 7   | 14  | 22  | 30  | 31  | 32  | 33  | 34 | 35 | 36 | 37 | 38  | 39  | 39  | 39  | 40  | 41  | 43 | 44 |    |
| R = 5.0 KM;  | OBS:  | 6    | 11  | 36  | 0   | 0   | 7   | 0   | 3   | 1   | 16  | 0   | 4  | 0  | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 6  | 0  |    |
| JDGMT: 3     | DPHI: | -69  | -61 | -52 | -43 | -36 | -29 | -21 | -13 | -11 | -11 | -10 | -9 | -8 | -7 | -6 | -5  | -4  | -4  | -4  | -3  | -2  | 0  | 1  |    |
|              | AZ:   | 45   | 46  | 47  | 48  | 48  | 49  | 50  | 52  | 53  | 54  | 55  | 56 | 56 | 57 | 58 | 59  | 60  | 61  | 62  | 63  | 64  | 65 | 66 |    |
|              | OBS:  | 34   | 2   | 4   | 3   | 0   | 0   | 0   | 6   | 0   | 8   | 8   | 0  | 0  | 5  | 0  | 0   | 24  | 0   | 0   | 0   | 0   | 0  | 0  |    |

|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|              | DPHI: | 2    | 3   | 4   | 5   | 5   | 6   | 7   | 9   | 10  | 12  | 13  | 13  | 13  | 14  | 15  | 17  | 18  | 18  | 19  | 20  | 22  | 22  | 24  |
|              | AZ:   | 67   | 69  | 70  | 71  | 72  | 80  | 89  | 97  | 106 | 114 | 122 |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 0    | 49  | 0   | 11  | 4   | 8   | 0   | 4   | 7   | 5   | 8   |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 24   | 26  | 27  | 28  | 29  | 37  | 46  | 54  | 63  | 71  | 79  |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 3 16    | AZ:   | 343  | 350 | 358 | 4   | 12  | 22  | 31  | 39  | 41  | 41  | 43  | 44  | 45  | 46  | 47  | 48  | 49  | 50  | 51  | 51  | 53  | 53  | 55  |
| R = 10.0 KM; | OBS:  | 0    | 0   | 3   | 13  | 0   | 7   | 0   | 0   | 0   | 0   | 3   | 0   | 0   | 3   | 0   | 6   | 0   | 0   | 0   | 10  | 8   | 3   | 0   |
| JDGMT: 2     | DPHI: | -60  | -53 | -45 | -39 | -31 | -21 | -12 | -4  | -2  | -1  | 0   | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 10  | 12  |
|              | AZ:   | 57   | 58  | 58  | 59  | 60  | 66  | 79  | 86  | 94  | 108 | 117 |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 3    | 12  | 3   | 0   | 2   | 0   | 4   | 0   | 3   | 20  | 7   |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 14   | 15  | 15  | 16  | 17  | 24  | 36  | 43  | 51  | 65  | 75  |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 3 16    | AZ:   | 334  | 351 | 7   | 23  | 46  | 54  | 70  | 87  | 103 | 119 |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 15.0 KM; | OBS:  | 5    | 3   | 10  | 8   | 0   | 0   | 4   | 0   | 10  | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 3     | DPHI: | -69  | -52 | -36 | -20 | 3   | 12  | 27  | 44  | 60  | 76  |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 3 17    | AZ:   | 326  | 335 | 342 | 350 | 1   | 8   | 14  | 16  | 30  | 42  | 47  | 54  | 54  | 62  | 71  | 78  | 87  | 94  | 110 | 118 |     |     |     |
| R = 0.5 KM;  | OBS:  | 5    | 5   | 0   | 5   | 6   | 0   | 13  | 13  | 52  | 5   | 0   | 8   | 13  | 11  | 8   | 37  | 33  | 19  | 4   | 70  |     |     |     |
| JDGMT: 2     | DPHI: | -91  | -82 | -74 | -67 | -56 | -49 | -42 | -40 | -26 | -15 | -10 | -3  | -2  | 5   | 14  | 22  | 30  | 37  | 53  | 61  |     |     |     |
| 82 8 3 17    | AZ:   | 323  | 332 | 342 | 350 | 358 | 6   | 14  | 22  | 30  | 38  | 46  | 54  | 72  | 78  | 86  | 94  | 102 | 109 | 118 |     |     |     |     |
| R = 1.0 KM;  | OBS:  | 7    | 0   | 12  | 14  | 0   | 3   | 11  | 0   | 0   | 0   | 9   | 9   | 0   | 0   | 0   | 4   | 9   | 8   | 18  |     |     |     |     |
| JDGMT: 2     | DPHI: | -93  | -84 | -75 | -67 | -59 | -50 | -42 | -35 | -27 | -18 | -11 | -3  | 15  | 21  | 29  | 37  | 45  | 52  | 61  |     |     |     |     |
| 82 8 3 17    | AZ:   | 238  | 333 | 338 | 343 | 349 | 358 | 6   | 10  | 33  | 38  | 46  | 54  | 62  | 94  | 110 | 217 |     |     |     |     |     |     |     |
| R = 2.0 KM;  | OBS:  | 23   | 3   | 6   | 0   | 6   | 0   | 5   | 0   | 7   | 0   | 4   | 0   | 4   | 3   | 0   | 34  |     |     |     |     |     |     |     |
| JDGMT: 2     | DPHI: | -179 | -83 | -79 | -74 | -67 | -59 | -51 | -47 | -23 | -18 | -11 | -3  | 5   | 38  | 53  | 160 |     |     |     |     |     |     |     |
| 82 8 3 17    | AZ:   | 335  | 341 | 351 | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 61  | 61  | 70  | 78  | 87  |
| R = 3.0 KM;  | OBS:  | 6    | 0   | 0   | 20  | 19  | 0   | 0   | 0   | 2   | 0   | 2   | 0   | 3   | 2   | 17  | 0   | 0   | 2   | 3   | 0   | 9   | 10  | 24  |
| JDGMT: 2     | DPHI: | -82  | -76 | -66 | -60 | -52 | -43 | -34 | -27 | -14 | -10 | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 4   | 4   | 14  | 22  | 30  |
|              | AZ:   | 94   | 102 | 110 | 118 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 6    | 0   | 9   | 11  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 38   | 45  | 54  | 61  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 3 17    | AZ:   | 334  | 342 | 351 | 0   | 7   | 14  | 22  | 30  | 31  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 39  | 39  | 40  | 41  | 44  | 45  |
| R = 5.0 KM;  | OBS:  | 0    | 6   | 11  | 0   | 0   | 7   | 5   | 0   | 0   | 3   | 0   | 0   | 5   | 13  | 0   | 6   | 7   | 0   | 5   | 0   | 0   | 6   | 25  |
| JDGMT: 2     | DPHI: | -83  | -75 | -66 | -57 | -50 | -43 | -35 | -27 | -25 | -25 | -23 | -22 | -22 | -21 | -20 | -19 | -18 | -18 | -18 | -17 | -16 | -13 | -12 |
|              | AZ:   | 46   | 47  | 48  | 48  | 49  | 50  | 52  | 53  | 54  | 55  | 56  | 56  | 57  | 58  | 59  | 60  | 61  | 62  | 63  | 64  | 65  | 66  | 67  |
|              | OBS:  | 0    | 11  | 4   | 7   | 22  | 0   | 0   | 2   | 0   | 17  | 1   | 11  | 15  | 4   | 0   | 0   | 18  | 3   | 0   | 0   | 3   | 0   | 0   |
|              | DPHI: | -11  | -10 | -9  | -9  | -8  | -7  | -5  | -4  | -2  | -1  | 0   | 0   | 1   | 2   | 3   | 4   | 4   | 6   | 6   | 8   | 9   | 10  | 11  |
|              | AZ:   | 69   | 70  | 71  | 72  | 80  | 89  | 97  | 106 | 114 | 122 |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 14   | 6   | 4   | 14  | 0   | 8   | 64  | 5   | 0   | 2   |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 13   | 13  | 14  | 16  | 24  | 32  | 40  | 49  | 57  | 65  |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 3 17    | AZ:   | 343  | 350 | 358 | 4   | 12  | 22  | 31  | 39  | 41  | 41  | 43  | 44  | 45  | 46  | 47  | 48  | 49  | 50  | 51  | 51  | 53  | 53  | 55  |
| R = 10.0 KM; | OBS:  | 4    | 11  | 5   | 3   | 5   | 3   | 0   | 3   | 4   | 0   | 0   | 0   | 0   | 5   | 0   | 0   | 0   | 26  | 2   | 3   | 0   | 0   | 5   |

|        |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|--------|------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| JDGMT: | 3    | DPHI: | -74  | -67 | -58 | -52 | -44 | -35 | -26 | -17 | -16 | -15 | -14 | -13 | -12 | -11 | -10 | -9  | -8  | -7  | -6  | -5  | -4  | -4  | -2  |     |    |
|        |      | AZ:   | 57   | 58  | 58  | 59  | 60  | 66  | 79  | 86  | 94  | 108 | 117 |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|        |      | OBS:  | 11   | 5   | 2   | 0   | 4   | 4   | 2   | 4   | 0   | 0   | 4   |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|        |      | DPHI: | 0    | 1   | 1   | 2   | 3   | 10  | 22  | 29  | 37  | 52  | 61  |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|        |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 82     | 8    | 3     | 17   | AZ: | 334 | 351 | 7   | 23  | 46  | 54  | 70  | 87  | 103 | 119 |     |     |     |     |     |     |     |     |     |     |     |     |    |
| R =    | 15.0 | KM;   | OBS: | 5   | 2   | 5   | 13  | 0   | 0   | 5   | 2   | 6   | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| JDGMT: | 3    | DPHI: | -83  | -66 | -50 | -34 | -11 | -2  | 13  | 30  | 46  | 62  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|        |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 82     | 8    | 3     | 18   | AZ: | 326 | 335 | 342 | 350 | 1   | 8   | 14  | 16  | 30  | 42  | 47  | 54  | 54  | 62  | 71  | 78  | 87  | 94  | 110 | 118 |     |     |    |
| R =    | 0.5  | KM;   | OBS: | 5   | 0   | 0   | 0   | 16  | 53  | 11  | 0   | 16  | 0   | 0   | 24  | 0   | 10  | 0   | 33  | 7   | 0   | 0   | 172 |     |     |     |    |
| JDGMT: | 2    | DPHI: | -95  | -86 | -78 | -70 | -60 | -53 | -46 | -44 | -30 | -19 | -14 | -7  | -6  | 1   | 11  | 18  | 27  | 34  | 49  | 58  |     |     |     |     |    |
|        |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 82     | 8    | 3     | 18   | AZ: | 323 | 332 | 342 | 350 | 358 | 6   | 14  | 22  | 30  | 38  | 46  | 54  | 72  | 78  | 86  | 94  | 102 | 109 | 118 |     |     |     |    |
| R =    | 1.0  | KM;   | OBS: | 0   | 5   | 11  | 4   | 6   | 5   | 9   | 8   | 0   | 0   | 10  | 39  | 4   | 5   | 0   | 16  | 0   | 11  | 7   |     |     |     |     |    |
| JDGMT: | 3    | DPHI: | -97  | -88 | -78 | -71 | -63 | -54 | -46 | -38 | -30 | -22 | -14 | -6  | 12  | 17  | 25  | 33  | 41  | 49  | 57  |     |     |     |     |     |    |
|        |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 82     | 8    | 3     | 18   | AZ: | 238 | 333 | 338 | 343 | 349 | 358 | 6   | 10  | 33  | 38  | 46  | 54  | 62  | 94  | 110 | 217 |     |     |     |     |     |     |    |
| R =    | 2.0  | KM;   | OBS: | 13  | 2   | 2   | 4   | 5   | 0   | 8   | 0   | 2   | 0   | 0   | 14  | 0   | 0   | 0   | 24  |     |     |     |     |     |     |     |    |
| JDGMT: | 2    | DPHI: | -183 | -87 | -83 | -78 | -71 | -62 | -55 | -51 | -27 | -22 | -15 | -6  | 1   | 34  | 49  | 157 |     |     |     |     |     |     |     |     |    |
|        |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 82     | 8    | 3     | 18   | AZ: | 335 | 341 | 351 | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 61  | 61  | 70  | 78  | 87  |    |
| R =    | 3.0  | KM;   | OBS: | 3   | 4   | 0   | 16  | 19  | 0   | 4   | 7   | 0   | 0   | 2   | 0   | 17  | 5   | 18  | 2   | 0   | 0   | 0   | 0   | 0   | 22  |     |    |
| JDGMT: | 2    | DPHI: | -86  | -80 | -69 | -64 | -56 | -46 | -38 | -31 | -18 | -14 | -2  | -1  | -1  | -1  | -1  | -1  | -1  | -1  | -1  | 0   | 0   | 10  | 18  | 26  |    |
|        |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|        |      | AZ:   | 94   | 102 | 110 | 118 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|        |      | OBS:  | 5    | 6   | 3   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|        |      | DPHI: | 34   | 42  | 50  | 58  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|        |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 82     | 8    | 3     | 18   | AZ: | 334 | 342 | 351 | 0   | 7   | 14  | 22  | 30  | 31  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 39  | 39  | 40  | 41  | 43  | 44 |
| R =    | 5.0  | KM;   | OBS: | 0   | 4   | 4   | 0   | 0   | 7   | 0   | 2   | 0   | 28  | 4   | 0   | 0   | 5   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 8   |    |
| JDGMT: | 2    | DPHI: | -87  | -78 | -70 | -60 | -53 | -46 | -39 | -31 | -29 | -28 | -27 | -26 | -25 | -24 | -23 | -22 | -22 | -21 | -21 | -21 | -20 | -19 | -17 | -17 |    |
|        |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|        |      | AZ:   | 45   | 46  | 47  | 48  | 48  | 49  | 50  | 52  | 53  | 54  | 55  | 56  | 56  | 57  | 58  | 59  | 60  | 61  | 62  | 63  | 64  | 65  | 66  |     |    |
|        |      | OBS:  | 17   | 6   | 3   | 6   | 0   | 0   | 0   | 8   | 0   | 9   | 10  | 0   | 110 | 47  | 4   | 5   | 0   | 12  | 3   | 0   | 0   | 0   | 0   |     |    |
|        |      | DPHI: | -15  | -14 | -14 | -12 | -12 | -12 | -11 | -9  | -7  | -6  | -5  | -4  | -4  | -3  | -2  | -1  | 0   | 1   | 2   | 3   | 4   | 5   | 6   |     |    |
|        |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|        |      | AZ:   | 67   | 69  | 70  | 71  | 72  | 80  | 97  | 106 | 114 | 122 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|        |      | OBS:  | 0    | 4   | 6   | 10  | 193 | 6   | 0   | 0   | 1   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|        |      | DPHI: | 7    | 9   | 10  | 11  | 12  | 20  | 36  | 46  | 53  | 61  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|        |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 82     | 8    | 3     | 18   | AZ: | 343 | 350 | 358 | 4   | 12  | 22  | 31  | 39  | 41  | 41  | 43  | 44  | 45  | 46  | 47  | 48  | 49  | 50  | 51  | 51  | 53  | 53  | 55 |
| R =    | 10.0 | KM;   | OBS: | 4   | 0   | 0   | 0   | 0   | 3   | 0   | 0   | 0   | 4   | 3   | 0   | 0   | 0   | 0   | 0   | 5   | 4   | 0   | 0   | 0   | 0   | 0   |    |
| JDGMT: | 3    | DPHI: | -78  | -70 | -62 | -56 | -48 | -38 | -30 | -21 | -19 | -19 | -18 | -16 | -15 | -14 | -14 | -13 | -12 | -10 | -10 | -9  | -8  | -7  | -6  |     |    |
|        |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|        |      | AZ:   | 57   | 58  | 58  | 59  | 60  | 66  | 79  | 86  | 94  | 108 | 117 |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|        |      | OBS:  | 2    | 10  | 5   | 4   | 0   | 0   | 0   | 0   | 0   | 9   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|        |      | DPHI: | -4   | -3  | -3  | -2  | 0   | 6   | 19  | 25  | 34  | 48  | 57  |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|        |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 82     | 8    | 3     | 18   | AZ: | 334 | 351 | 7   | 23  | 46  | 54  | 70  | 87  | 103 | 119 |     |     |     |     |     |     |     |     |     |     |     |     |    |
| R =    | 15.0 | KM;   | OBS: | 3   | 0   | 3   | 10  | 0   | 0   | 5   | 0   | 0   | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |    |

```

JDGMT: 3  DPHI: -86 -70 -54 -37 -15 -6 10 26 42 58

82 8 3 19 AZ: 326 335 342 350 1 8 14 16 30 42 47 54 54 62 71 78 87 94 101 110 118
R = 0.5 KM; OBS: 6 7 5 5 11 10 11 11 12 15 4 0 19 10 34 66 66 19 21 22 36
JDGMT: 3  DPHI: -90 -82 -74 -66 -55 -48 -42 -40 -26 -15 -9 -2 -2 6 15 22 31 38 45 54 62

82 8 3 19 AZ: 323 332 342 350 358 6 14 22 30 38 46 54 72 78 86 94 102 109 118
R = 1.0 KM; OBS: 1 0 8 14 2 13 7 0 0 0 5 21 10 0 7 17 16 33 23
JDGMT: 2  DPHI: -93 -84 -74 -67 -58 -50 -42 -34 -26 -18 -10 -2 16 22 29 38 46 53 61

82 8 3 19 AZ: 238 333 338 343 349 358 6 10 33 38 46 54 62 94 110 217
R = 2.0 KM; OBS: 8 6 0 5 2 2 0 8 0 0 0 0 2 4 14 5
JDGMT: 2  DPHI: -179 -83 -79 -74 -67 -58 -51 -47 -23 -18 -10 -2 5 38 53 161

82 8 3 19 AZ: 335 341 351 357 5 14 23 30 42 46 59 59 59 59 59 59 59 59 59 61 61 70 78 87
R = 3.0 KM; OBS: 13 3 4 15 20 0 6 4 3 0 0 2 13 6 1 0 1 0 0 0 10 0 24
JDGMT: 2  DPHI: -82 -75 -65 -60 -51 -42 -34 -27 -14 -10 2 3 3 3 3 3 3 3 4 4 14 22 31

      AZ: 94 102 110 118
      OBS: 2 4 0 0
      DPHI: 38 46 54 62

82 8 3 19 AZ: 334 342 351 0 7 14 22 30 31 32 33 34 35 36 37 38 39 39 39 40 41 43 44
R = 5.0 KM; OBS: 6 0 0 0 0 53 0 6 0 16 5 0 6 0 0 0 0 0 0 0 0 0 6
JDGMT: 2  DPHI: -82 -74 -65 -56 -49 -42 -35 -26 -25 -24 -23 -22 -21 -20 -19 -18 -17 -17 -17 -16 -15 -13 -12

      AZ: 45 46 47 48 48 49 50 52 53 54 55 56 56 57 58 59 60 61 62 63 64 65 66
      OBS: 10 0 20 18 9 0 6 4 0 0 26 13 0 21 5 3 0 5 0 0 0 0 0
      DPHI: -11 -10 -9 -8 -8 -7 -6 -4 -3 -2 -1 0 0 1 2 3 4 5 6 7 8 9 10

      AZ: 67 69 70 71 72 80 97 106 114 122
      OBS: 17 4 0 12 13 9 6 0 0 5
      DPHI: 11 13 14 15 16 24 40 50 58 65

82 8 3 19 AZ: 343 350 4 12 22 31 39 41 41 43 44 45 46 47 48 49 50 51 51 53 53 55 57
R = 10.0 KM; OBS: 0 0 0 0 4 0 0 4 0 0 0 0 6 0 3 0 2 0 0 0 2 4 3
JDGMT: 3  DPHI: -74 -66 -52 -44 -34 -26 -17 -15 -15 -14 -12 -11 -10 -10 -9 -8 -6 -5 -5 -3 -3 -2 0

      AZ: 58 58 59 60 66 79 86 94 108 117
      OBS: 13 5 0 10 3 0 3 6 0 6
      DPHI: 1 2 3 4 10 23 29 38 52 61

82 8 3 19 AZ: 334 351 7 23 46 54 70 87 103 119
R = 15.0 KM; OBS: 5 3 12 0 4 0 4 0 0 7
JDGMT: 3  DPHI: -82 -66 -50 -33 -11 -2 14 30 47 62

82 8 3 20 AZ: 326 335 342 350 1 8 14 16 30 42 47 54 54 62 71 78 87 94 101 110 118
R = 0.5 KM; OBS: 19 9 12 19 20 12 26 8 16 21 6 22 25 21 27 31 23 25 22 19 222
JDGMT: 2  DPHI: -94 -85 -77 -70 -59 -52 -45 -43 -29 -18 -13 -6 -5 2 11 18 27 34 41 50 58

82 8 3 20 AZ: 323 332 342 350 358 6 14 22 30 38 46 54 72 78 86 94 102 109 118
R = 1.0 KM; OBS: 0 3 15 0 11 8 6 0 10 0 13 17 31 24 30 25 22 36 38

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|              |       |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| JDGMT:       | 2     | DPHI: | -96  | -87 | -78 | -70 | -62 | -53 | -46 | -38 | -30 | -21 | -14 | -6  | 12  | 18  | 26  | 34  | 42  | 49  | 58  |     |     |     |     |
| 82 8 3 20    | AZ:   | 238   | 333  | 338 | 343 | 349 | 358 | 6   | 10  | 33  | 38  | 54  | 62  | 94  | 110 | 217 |     |     |     |     |     |     |     |     |     |
| R = 2.0 KM;  | OBS:  | 37    | 0    | 17  | 0   | 20  | 0   | 4   | 3   | 16  | 10  | 11  | 12  | 16  | 25  | 26  |     |     |     |     |     |     |     |     |     |
| JDGMT:       | 2     | DPHI: | -182 | -87 | -82 | -77 | -70 | -62 | -54 | -50 | -26 | -21 | -6  | 2   | 34  | 50  | 157 |     |     |     |     |     |     |     |     |
| 82 8 3 20    | AZ:   | 335   | 341  | 351 | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 61  | 61  | 70  | 78  | 87  |
| R = 3.0 KM;  | OBS:  | 0     | 11   | 12  | 11  | 6   | 0   | 3   | 11  | 1   | 0   | 3   | 4   | 18  | 8   | 4   | 0   | 12  | 0   | 13  | 21  | 0   | 10  | 29  |     |
| JDGMT:       | 2     | DPHI: | -85  | -79 | -69 | -63 | -55 | -46 | -37 | -30 | -18 | -13 | -1  | -1  | -1  | -1  | -1  | -1  | -1  | -1  | 1   | 1   | 11  | 19  | 27  |
|              | AZ:   | 94    | 102  | 110 | 118 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 29    | 15   | 33  | 16  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 34    | 42   | 51  | 58  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 3 20    | AZ:   | 334   | 342  | 351 | 0   | 7   | 14  | 22  | 30  | 31  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 39  | 39  | 39  | 40  | 41  | 43  | 44  |
| R = 5.0 KM;  | OBS:  | 0     | 6    | 0   | 5   | 0   | 132 | 4   | 5   | 0   | 4   | 0   | 5   | 0   | 21  | 0   | 0   | 0   | 0   | 5   | 0   | 0   | 0   | 6   |     |
| JDGMT:       | 2     | DPHI: | -86  | -78 | -69 | -60 | -53 | -46 | -38 | -30 | -28 | -28 | -27 | -25 | -25 | -24 | -23 | -22 | -21 | -21 | -21 | -20 | -19 | -17 | -16 |
|              | AZ:   | 45    | 46   | 47  | 48  | 49  | 50  | 52  | 53  | 55  | 56  | 56  | 57  | 58  | 59  | 60  | 61  | 62  | 63  | 64  | 65  | 66  | 67  | 69  |     |
|              | OBS:  | 12    | 5    | 13  | 14  | 0   | 18  | 0   | 0   | 15  | 0   | 15  | 4   | 0   | 3   | 0   | 49  | 4   | 4   | 0   | 5   | 7   | 0   | 3   |     |
|              | DPHI: | -15   | -14  | -13 | -12 | -11 | -10 | -8  | -7  | -4  | -4  | -4  | -3  | -2  | 0   | 1   | 1   | 2   | 3   | 5   | 5   | 7   | 7   | 9   |     |
|              | AZ:   | 70    | 71   | 72  | 80  | 97  | 106 | 114 | 122 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 3     | 4    | 18  | 5   | 12  | 11  | 21  | 4   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 10    | 11   | 13  | 20  | 37  | 46  | 54  | 62  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 3 20    | AZ:   | 343   | 350  | 358 | 4   | 12  | 22  | 31  | 39  | 41  | 41  | 43  | 44  | 45  | 46  | 47  | 48  | 49  | 50  | 51  | 51  | 53  | 53  | 55  |     |
| R = 10.0 KM; | OBS:  | 6     | 7    | 6   | 11  | 4   | 4   | 0   | 3   | 0   | 0   | 0   | 0   | 4   | 0   | 0   | 0   | 5   | 3   | 2   | 4   | 0   | 0   | 4   |     |
| JDGMT:       | 2     | DPHI: | -77  | -70 | -62 | -56 | -47 | -38 | -29 | -21 | -19 | -18 | -17 | -16 | -15 | -14 | -13 | -12 | -11 | -10 | -9  | -8  | -7  | -5  |     |
|              | AZ:   | 57    | 58   | 58  | 59  | 60  | 66  | 79  | 86  | 94  | 108 | 117 |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 0     | 0    | 2   | 0   | 0   | 0   | 0   | 0   | 2   | 8   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | -3    | -2   | -2  | -1  | 0   | 7   | 19  | 26  | 34  | 48  | 58  |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 3 20    | AZ:   | 334   | 7    | 23  | 46  | 54  | 70  | 87  | 103 | 119 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 15.0 KM; | OBS:  | 10    | 12   | 0   | 17  | 0   | 4   | 3   | 11  | 3   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT:       | 3     | DPHI: | -86  | -53 | -37 | -14 | -5  | 10  | 27  | 43  | 59  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 5 10    | AZ:   | 342   | 350  | 1   | 8   | 16  | 23  | 30  | 42  | 47  | 54  | 54  | 62  | 71  | 78  | 86  | 87  | 94  | 101 | 110 | 118 | 125 | 134 |     |     |
| R = 0.5 KM;  | OBS:  | 21    | 17   | 8   | 0   | 9   | 25  | 8   | 9   | 5   | 18  | 0   | 17  | 19  | 8   | 7   | 11  | 19  | 16  | 0   | 20  | 12  | 0   |     |     |
| JDGMT:       | 3     | DPHI: | -72  | -64 | -53 | -46 | -38 | -32 | -24 | -12 | -7  | 0   | 0   | 8   | 17  | 24  | 32  | 33  | 40  | 47  | 56  | 64  | 71  | 80  |     |
| 82 8 5 10    | AZ:   | 245   | 350  | 358 | 6   | 14  | 22  | 30  | 38  | 46  | 54  | 78  | 86  | 94  | 102 | 109 | 118 | 126 | 213 |     |     |     |     |     |     |
| R = 1.0 KM;  | OBS:  | 23    | 10   | 2   | 13  | 9   | 17  | 13  | 7   | 14  | 4   | 19  | 15  | 9   | 0   | 0   | 12  | 7   | 0   |     |     |     |     |     |     |
| JDGMT:       | 2     | DPHI: | -169 | -64 | -56 | -48 | -40 | -32 | -24 | -16 | -8  | 0   | 24  | 31  | 40  | 48  | 55  | 63  | 72  | 159 |     |     |     |     |     |
| 82 8 5 10    | AZ:   | 354   | 3    | 33  | 42  | 49  | 58  | 66  | 70  | 94  | 97  | 106 | 122 | 130 |     |     |     |     |     |     |     |     |     |     |     |
| R = 2.0 KM;  | OBS:  | 17    | 6    | 11  | 18  | 22  | 0   | 0   | 9   | 0   | 5   | 12  | 8   | 12  |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT:       | 3     | DPHI: | -60  | -52 | -21 | -12 | -5  | 4   | 12  | 16  | 40  | 43  | 52  | 68  | 76  |     |     |     |     |     |     |     |     |     |     |
| 82 8 5 10    | AZ:   | 351   | 357  | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 61  | 70  | 78  | 87  | 94  | 102 |     |
| R = 3.0 KM;  | OBS:  | 9     | 8    | 13  | 8   | 8   | 12  | 9   | 7   | 11  | 0   | 8   | 1   | 11  | 3   | 5   | 9   | 7   | 35  | 3   | 0   | 14  | 5   | 17  |     |

|              |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |  |
|--------------|------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|--|
| JDGMT:       | 3    | DPHI: | -63  | -57 | -49 | -40 | -32 | -25 | -12 | -8  | 0   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 6   | 16  | 24  | 33  | 40 | 48  |  |
|              |      | AZ:   | 110  | 126 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |  |
|              |      | OBS:  | 14   | 12  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |  |
|              |      | DPHI: | 56   | 72  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |  |
|              |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |  |
| 82 8 5 10    | AZ:  | 0     | 7    | 14  | 22  | 37  | 38  | 39  | 39  | 39  | 40  | 41  | 42  | 43  | 44  | 45  | 46  | 47  | 48  | 49  | 50  | 51  | 52  | 53 |     |  |
| R = 5.0 KM;  | OBS: | 8     | 8    | 6   | 7   | 10  | 8   | 0   | 13  | 4   | 5   | 20  | 21  | 37  | 10  | 5   | 23  | 12  | 11  | 7   | 7   | 1   | 7   | 21 |     |  |
| JDGMT:       | 3    | DPHI: | -54  | -47 | -40 | -32 | -17 | -16 | -15 | -15 | -15 | -14 | -13 | -12 | -11 | -10 | -9  | -8  | -7  | -6  | -5  | -4  | -3  | -2 | -1  |  |
|              |      | AZ:   | 54   | 55  | 56  | 56  | 57  | 58  | 59  | 60  | 61  | 62  | 63  | 64  | 66  | 67  | 68  | 69  | 70  | 71  | 72  | 74  | 75  | 76 | 77  |  |
|              |      | OBS:  | 13   | 14  | 11  | 0   | 0   | 7   | 5   | 5   | 0   | 10  | 6   | 7   | 4   | 0   | 8   | 5   | 6   | 7   | 6   | 4   | 0   | 7  | 0   |  |
|              |      | DPHI: | 0    | 1   | 2   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 20  | 21  | 22 | 23  |  |
|              |      | AZ:   | 78   | 79  | 82  | 90  | 99  | 106 | 114 | 122 | 131 |     |     |     |     |     |     |     |     |     |     |     |     |    |     |  |
|              |      | OBS:  | 0    | 0   | 6   | 10  | 5   | 0   | 15  | 0   | 4   |     |     |     |     |     |     |     |     |     |     |     |     |    |     |  |
|              |      | DPHI: | 24   | 25  | 28  | 36  | 45  | 52  | 60  | 68  | 77  |     |     |     |     |     |     |     |     |     |     |     |     |    |     |  |
|              |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |  |
| 82 8 5 10    | AZ:  | 337   | 345  | 352 | 360 | 9   | 16  | 24  | 33  | 41  | 49  | 50  | 51  | 51  | 53  | 55  | 57  | 58  | 58  | 59  | 60  | 60  | 62  | 63 |     |  |
| R = 10.0 KM; | OBS: | 6     | 4    | 5   | 8   | 0   | 0   | 63  | 7   | 3   | 1   | 2   | 6   | 0   | 0   | 0   | 0   | 2   | 16  | 0   | 1   | 3   | 4   | 3  |     |  |
| JDGMT:       | 2    | DPHI: | -77  | -69 | -62 | -54 | -45 | -38 | -30 | -21 | -13 | -5  | -4  | -3  | -3  | -1  | 0   | 3   | 3   | 4   | 5   | 6   | 6   | 8  | 8   |  |
|              |      | AZ:   | 63   | 63  | 66  | 68  | 72  | 77  | 84  | 92  | 99  | 108 | 115 | 123 | 131 | 140 | 149 |     |     |     |     |     |     |    |     |  |
|              |      | OBS:  | 5    | 0   | 4   | 2   | 6   | 0   | 53  | 4   | 6   | 8   | 11  | 3   | 2   | 2   | 14  |     |     |     |     |     |     |    |     |  |
|              |      | DPHI: | 9    | 9   | 12  | 14  | 18  | 23  | 30  | 38  | 45  | 54  | 61  | 68  | 77  | 86  | 95  |     |     |     |     |     |     |    |     |  |
|              |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |  |
| 82 8 5 10    | AZ:  | 10    | 42   | 58  | 75  | 90  | 138 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |  |
| R = 15.0 KM; | OBS: | 4     | 4    | 0   | 5   | 17  | 4   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |  |
| JDGMT:       | 3    | DPHI: | -44  | -12 | 4   | 21  | 36  | 84  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |  |
|              |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |  |
| 82 8 5 11    | AZ:  | 342   | 350  | 1   | 8   | 16  | 23  | 30  | 42  | 47  | 54  | 54  | 62  | 71  | 78  | 86  | 87  | 94  | 101 | 110 | 118 | 125 | 134 |    |     |  |
| R = 0.5 KM;  | OBS: | 8     | 14   | 11  | 7   | 16  | 10  | 27  | 16  | 13  | 18  | 5   | 2   | 9   | 11  | 13  | 5   | 15  | 15  | 9   | 13  | 4   | 10  |    |     |  |
| JDGMT:       | 3    | DPHI: | -71  | -64 | -53 | -46 | -37 | -31 | -23 | -12 | -7  | 0   | 0   | 8   | 17  | 24  | 32  | 33  | 40  | 47  | 56  | 64  | 71  | 80 |     |  |
|              |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |  |
| 82 8 5 11    | AZ:  | 245   | 350  | 358 | 6   | 14  | 22  | 30  | 38  | 46  | 54  | 78  | 86  | 94  | 102 | 109 | 118 | 126 | 213 |     |     |     |     |    |     |  |
| R = 1.0 KM;  | OBS: | 21    | 21   | 20  | 11  | 13  | 19  | 19  | 21  | 10  | 12  | 0   | 14  | 7   | 12  | 15  | 10  | 5   | 10  |     |     |     |     |    |     |  |
| JDGMT:       | 2    | DPHI: | -169 | -64 | -56 | -47 | -40 | -32 | -24 | -16 | -8  | 0   | 24  | 32  | 40  | 48  | 55  | 64  | 72  | 159 |     |     |     |    |     |  |
|              |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |  |
| 82 8 5 11    | AZ:  | 354   | 3    | 10  | 33  | 42  | 49  | 58  | 66  | 70  | 94  | 97  | 106 | 122 | 130 | 138 |     |     |     |     |     |     |     |    |     |  |
| R = 2.0 KM;  | OBS: | 8     | 13   | 18  | 10  | 9   | 16  | 10  | 7   | 0   | 4   | 11  | 0   | 20  | 19  | 11  |     |     |     |     |     |     |     |    |     |  |
| JDGMT:       | 2    | DPHI: | -60  | -51 | -44 | -20 | -12 | -5  | 4   | 12  | 16  | 40  | 43  | 52  | 68  | 76  | 84  |     |     |     |     |     |     |    |     |  |
|              |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |  |
| 82 8 5 11    | AZ:  | 351   | 357  | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 61  | 70  | 78  | 87  | 94 | 102 |  |
| R = 3.0 KM;  | OBS: | 34    | 13   | 19  | 11  | 3   | 8   | 2   | 8   | 9   | 10  | 8   | 17  | 16  | 6   | 8   | 0   | 4   | 10  | 5   | 10  | 12  | 5   | 5  |     |  |
| JDGMT:       | 2    | DPHI: | -63  | -57 | -49 | -40 | -31 | -24 | -12 | -7  | 0   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 7   | 16  | 25  | 33  | 40 | 48  |  |
|              |      | AZ:   | 110  | 126 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |  |
|              |      | OBS:  | 13   | 12  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |  |
|              |      | DPHI: | 57   | 72  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |  |
|              |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |  |
| 82 8 5 11    | AZ:  | 342   | 351  | 0   | 7   | 14  | 22  | 31  | 37  | 38  | 39  | 39  | 39  | 40  | 41  | 42  | 43  | 44  | 45  | 46  | 47  | 48  | 49  | 50 |     |  |
| R = 5.0 KM;  | OBS: | 10    | 7    | 7   | 14  | 10  | 0   | 10  | 7   | 11  | 20  | 0   | 24  | 6   | 5   | 7   | 8   | 17  | 8   | 9   | 8   | 7   | 19  | 14 |     |  |



|        |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------|------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| JDGMT: | 2    | DPHI: | -72  | -63 | -54 | -47 | -40 | -32 | -22 | -17 | -16 | -15 | -15 | -15 | -14 | -13 | -12 | -11 | -10 | -9  | -8  | -7  | -6  | -5  | -4  |     |     |
|        |      | AZ:   | 51   | 52  | 53  | 54  | 55  | 56  | 56  | 56  | 57  | 58  | 59  | 60  | 61  | 62  | 63  | 64  | 66  | 67  | 68  | 69  | 70  | 71  | 72  |     |     |
|        |      | OBS:  | 18   | 19  | 4   | 0   | 15  | 8   | 7   | 14  | 7   | 10  | 18  | 0   | 3   | 8   | 4   | 0   | 5   | 8   | 2   | 0   | 10  | 4   | 5   |     |     |
|        |      | DPHI: | -3   | -2  | -1  | 1   | 2   | 2   | 2   | 2   | 3   | 4   | 6   | 7   | 7   | 8   | 9   | 11  | 13  | 13  | 14  | 15  | 16  | 17  | 18  |     |     |
|        |      | AZ:   | 74   | 75  | 76  | 77  | 78  | 79  | 82  | 90  | 99  | 106 | 114 | 122 | 131 |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 7    | 5   | 0   | 2   | 14  | 1   | 11  | 0   | 0   | 9   | 6   | 10  | 15  |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | 20   | 21  | 23  | 24  | 24  | 25  | 28  | 36  | 45  | 52  | 60  | 68  | 77  |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 5     | 11   | AZ: | 345 | 352 | 360 | 9   | 16  | 24  | 33  | 41  | 49  | 50  | 51  | 51  | 53  | 53  | 55  | 57  | 58  | 58  | 59  | 60  | 60  | 62  | 63  |
| R =    | 10.0 | KM;   | OBS: | 4   | 7   | 0   | 16  | 0   | 15  | 13  | 8   | 6   | 9   | 17  | 0   | 2   | 7   | 0   | 0   | 0   | 7   | 14  | 15  | 3   | 5   | 0   |     |
| JDGMT: | 3    | DPHI: | -69  | -62 | -54 | -45 | -37 | -30 | -21 | -13 | -5  | -4  | -3  | -2  | -1  | -1  | 1   | 3   | 4   | 4   | 5   | 6   | 6   | 8   | 9   |     |     |
|        |      | AZ:   | 63   | 63  | 68  | 72  | 77  | 84  | 92  | 99  | 108 | 115 | 123 | 131 | 140 | 149 |     |     |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 7    | 4   | 3   | 0   | 10  | 10  | 11  | 9   | 4   | 11  | 7   | 6   | 0   | 0   |     |     |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | 9    | 9   | 14  | 18  | 23  | 31  | 38  | 45  | 54  | 61  | 69  | 77  | 86  | 96  |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 5     | 11   | AZ: | 10  | 42  | 58  | 75  | 90  | 105 | 122 | 138 | 142 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R =    | 15.0 | KM;   | OBS: | 6   | 12  | 1   | 9   | 4   | 4   | 0   | 9   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: | 2    | DPHI: | -44  | -12 | 5   | 21  | 36  | 51  | 68  | 84  | 88  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 5     | 12   | AZ: | 342 | 350 | 1   | 8   | 16  | 23  | 30  | 42  | 47  | 54  | 54  | 62  | 71  | 78  | 86  | 87  | 94  | 101 | 110 | 118 | 125 | 134 |     |
| R =    | 0.5  | KM;   | OBS: | 5   | 5   | 16  | 10  | 12  | 13  | 16  | 10  | 0   | 20  | 12  | 12  | 1   | 8   | 11  | 22  | 21  | 19  | 13  | 0   | 0   | 7   |     |     |
| JDGMT: | 2    | DPHI: | -79  | -72 | -61 | -54 | -45 | -39 | -31 | -20 | -15 | -8  | -7  | 0   | 9   | 16  | 24  | 25  | 32  | 39  | 48  | 56  | 63  | 72  |     |     |     |
| 82     | 8    | 5     | 12   | AZ: | 245 | 350 | 358 | 6   | 14  | 22  | 30  | 38  | 46  | 54  | 78  | 86  | 94  | 102 | 109 | 118 | 126 | 213 |     |     |     |     |     |
| R =    | 1.0  | KM;   | OBS: | 0   | 11  | 19  | 29  | 11  | 16  | 15  | 1   | 20  | 7   | 14  | 19  | 15  | 18  | 18  | 0   | 2   | 13  |     |     |     |     |     |     |
| JDGMT: | 2    | DPHI: | -177 | -72 | -64 | -55 | -48 | -40 | -32 | -23 | -16 | -8  | 16  | 24  | 32  | 40  | 47  | 56  | 64  | 151 |     |     |     |     |     |     |     |
| 82     | 8    | 5     | 12   | AZ: | 354 | 3   | 10  | 33  | 42  | 49  | 58  | 66  | 70  | 94  | 97  | 106 | 122 | 130 | 138 |     |     |     |     |     |     |     |     |
| R =    | 2.0  | KM;   | OBS: | 0   | 3   | 2   | 14  | 0   | 0   | 15  | 20  | 10  | 6   | 6   | 17  | 0   | 20  | 12  |     |     |     |     |     |     |     |     |     |
| JDGMT: | 3    | DPHI: | -68  | -59 | -52 | -28 | -20 | -13 | -4  | 4   | 8   | 32  | 35  | 44  | 60  | 68  | 76  |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 5     | 12   | AZ: | 351 | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 61  | 70  | 78  | 87  | 94  | 102 |
| R =    | 3.0  | KM;   | OBS: | 11  | 9   | 11  | 9   | 0   | 11  | 22  | 7   | 8   | 17  | 19  | 7   | 10  | 4   | 6   | 8   | 22  | 14  | 21  | 0   | 19  | 12  | 6   |     |
| JDGMT: | 2    | DPHI: | -71  | -65 | -57 | -48 | -39 | -32 | -20 | -15 | -8  | -3  | -3  | -3  | -3  | -3  | -3  | -3  | -3  | -1  | 8   | 17  | 25  | 32  | 40  |     |     |
|        |      | AZ:   | 110  | 118 | 126 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 16   | 16  | 9   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | 49   | 56  | 64  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 5     | 12   | AZ: | 342 | 351 | 0   | 7   | 14  | 22  | 31  | 37  | 38  | 39  | 39  | 39  | 40  | 41  | 42  | 43  | 44  | 45  | 46  | 47  | 48  | 49  | 50  |
| R =    | 5.0  | KM;   | OBS: | 8   | 2   | 9   | 15  | 26  | 7   | 11  | 11  | 11  | 11  | 5   | 15  | 10  | 19  | 0   | 5   | 11  | 8   | 0   | 10  | 13  | 4   | 12  | 6   |
| JDGMT: | 3    | DPHI: | -80  | -71 | -62 | -55 | -48 | -40 | -30 | -25 | -24 | -23 | -23 | -23 | -23 | -22 | -21 | -20 | -19 | -18 | -17 | -16 | -15 | -14 | -13 | -12 |     |
|        |      | AZ:   | 51   | 52  | 53  | 54  | 55  | 56  | 56  | 56  | 56  | 57  | 58  | 59  | 60  | 61  | 62  | 63  | 64  | 66  | 67  | 68  | 69  | 70  | 71  | 72  |     |
|        |      | OBS:  | 14   | 9   | 5   | 25  | 10  | 14  | 10  | 12  | 23  | 2   | 10  | 6   | 22  | 19  | 0   | 15  | 0   | 10  | 14  | 23  | 3   | 7   | 7   |     |     |
|        |      | DPHI: | -11  | -10 | -9  | -7  | -6  | -6  | -6  | -6  | -5  | -4  | -2  | -1  | -1  | 0   | 1   | 3   | 5   | 5   | 6   | 7   | 8   | 9   | 11  |     |     |
|        |      | AZ:   | 74   | 75  | 76  | 77  | 78  | 79  | 82  | 90  | 99  | 106 | 114 | 122 | 131 |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 5    | 20  | 6   | 21  | 0   | 5   | 17  | 12  | 6   | 6   | 0   | 8   | 8   |     |     |     |     |     |     |     |     |     |     |     |     |

|        |       |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------|-------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|        | DPHI: | 12    | 13   | 15   | 16  | 17  | 18  | 20  | 28  | 37  | 44  | 52  | 60  | 69  |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8     | 5     | 12   | AZ:  | 337 | 345 | 352 | 360 | 9   | 16  | 24  | 33  | 41  | 49  | 50  | 51  | 51  | 53  | 53  | 55  | 57  | 58  | 58  | 59  | 60  | 60  | 63  |
| R =    | 10.0  | KM;   | OBS: | 7    | 0   | 5   | 9   | 26  | 2   | 7   | 7   | 4   | 5   | 0   | 4   | 0   | 19  | 0   | 8   | 6   | 0   | 0   | 8   | 0   | 7   | 4   |     |
| JDGMT: | 2     | DPHI: | -85  | -77  | -70 | -62 | -53 | -45 | -38 | -29 | -21 | -13 | -12 | -11 | -10 | -9  | -9  | -7  | -5  | -4  | -4  | -3  | -2  | -2  | -2  | 1   |     |
|        | AZ:   | 63    | 63   | 66   | 68  | 72  | 77  | 84  | 92  | 99  | 108 | 115 | 123 | 131 | 140 | 149 |     |     |     |     |     |     |     |     |     |     |     |
|        | OBS:  | 5     | 3    | 4    | 17  | 7   | 6   | 11  | 8   | 11  | 10  | 13  | 0   | 16  | 3   | 1   |     |     |     |     |     |     |     |     |     |     |     |
|        | DPHI: | 1     | 1    | 5    | 6   | 10  | 15  | 23  | 30  | 37  | 46  | 53  | 61  | 69  | 78  | 88  |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8     | 5     | 12   | AZ:  | 10  | 42  | 58  | 75  | 90  | 105 | 122 | 138 | 142 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R =    | 15.0  | KM;   | OBS: | 13   | 0   | 0   | 5   | 2   | 26  | 0   | 4   | 27  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: | 2     | DPHI: | -52  | -20  | -3  | 13  | 28  | 43  | 60  | 76  | 80  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8     | 6     | 11   | AZ:  | 268 | 277 | 284 | 291 | 304 | 310 | 310 | 318 | 326 | 335 | 342 | 350 | 1   | 8   | 16  | 23  | 30  | 42  | 47  | 54  | 54  | 62  | 71  |
| R =    | 0.5   | KM;   | OBS: | 2    | 3   | 9   | 23  | 11  | 5   | 21  | 18  | 14  | 8   | 0   | 16  | 19  | 11  | 14  | 6   | 8   | 20  | 0   | 0   | 0   | 3   | 6   |     |
| JDGMT: | 2     | DPHI: | -75  | -66  | -60 | -52 | -39 | -33 | -33 | -25 | -17 | -9  | -1  | 7   | 18  | 25  | 33  | 39  | 47  | 59  | 64  | 71  | 71  | 79  | 88  |     |     |
|        | AZ:   | 78    | 87   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        | OBS:  | 4     | 0    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        | DPHI: | 95    | 104  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8     | 6     | 11   | AZ:  | 181 | 236 | 268 | 277 | 285 | 315 | 323 | 332 | 342 | 350 | 358 | 6   | 14  | 22  | 30  | 38  | 46  | 54  | 69  | 78  | 86  |     |     |
| R =    | 1.0   | KM;   | OBS: | 7    | 11  | 13  | 6   | 11  | 25  | 0   | 20  | 5   | 28  | 0   | 6   | 10  | 10  | 0   | 17  | 7   | 0   | 4   | 4   | 5   |     |     |     |
| JDGMT: | 3     | DPHI: | -162 | -107 | -75 | -66 | -59 | -28 | -20 | -11 | -1  | 6   | 15  | 23  | 31  | 39  | 47  | 55  | 63  | 71  | 86  | 95  | 102 |     |     |     |     |
| 82     | 8     | 6     | 11   | AZ:  | 264 | 268 | 273 | 275 | 280 | 285 | 289 | 305 | 309 | 313 | 317 | 322 | 325 | 330 | 333 | 338 | 343 | 346 | 349 | 354 | 358 | 3   | 6   |
| R =    | 2.0   | KM;   | OBS: | 0    | 0   | 0   | 3   | 0   | 0   | 8   | 18  | 0   | 9   | 17  | 88  | 17  | 46  | 19  | 27  | 35  | 32  | 25  | 31  | 44  | 15  | 23  |     |
| JDGMT: | 2     | DPHI: | -79  | -75  | -70 | -68 | -63 | -58 | -54 | -38 | -34 | -30 | -26 | -22 | -18 | -14 | -10 | -6  | -1  | 3   | 6   | 11  | 15  | 19  | 23  |     |     |
|        | AZ:   | 10    | 33   | 38   | 42  | 46  | 49  | 54  | 58  | 62  | 66  | 70  | 94  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        | OBS:  | 19    | 12   | 5    | 13  | 16  | 3   | 4   | 9   | 12  | 12  | 3   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        | DPHI: | 26    | 50   | 55   | 58  | 63  | 66  | 71  | 75  | 78  | 83  | 87  | 111 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8     | 6     | 11   | AZ:  | 262 | 271 | 278 | 286 | 295 | 309 | 318 | 324 | 335 | 341 | 351 | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 59  | 61  | 70  | 78  |
| R =    | 3.0   | KM;   | OBS: | 0    | 0   | 5   | 0   | 10  | 0   | 9   | 28  | 34  | 51  | 27  | 23  | 11  | 5   | 1   | 0   | 4   | 6   | 6   | 0   | 2   | 3   | 8   |     |
| JDGMT: | 3     | DPHI: | -81  | -72  | -65 | -58 | -48 | -34 | -25 | -19 | -9  | -2  | 8   | 13  | 22  | 31  | 39  | 46  | 59  | 63  | 71  | 76  | 77  | 87  | 95  |     |     |
| 82     | 8     | 6     | 11   | AZ:  | 251 | 254 | 259 | 274 | 279 | 283 | 287 | 292 | 294 | 299 | 303 | 303 | 303 | 306 | 310 | 314 | 318 | 322 | 329 | 334 | 339 | 342 | 345 |
| R =    | 5.0   | KM;   | OBS: | 0    | 0   | 5   | 6   | 7   | 13  | 9   | 7   | 11  | 0   | 9   | 8   | 3   | 0   | 10  | 10  | 16  | 11  | 21  | 3   | 13  | 92  | 15  |     |
| JDGMT: | 3     | DPHI: | -92  | -89  | -85 | -69 | -64 | -61 | -57 | -51 | -49 | -44 | -41 | -41 | -41 | -37 | -33 | -29 | -25 | -21 | -14 | -9  | -4  | -1  | 2   |     |     |
|        | AZ:   | 351   | 353  | 0    | 2   | 7   | 10  | 14  | 22  | 30  | 34  | 38  | 42  | 46  | 52  | 58  | 62  | 66  | 70  | 74  |     |     |     |     |     |     |     |
|        | OBS:  | 23    | 12   | 17   | 5   | 25  | 11  | 8   | 9   | 0   | 0   | 7   | 5   | 0   | 8   | 11  | 10  | 0   | 6   | 0   |     |     |     |     |     |     |     |
|        | DPHI: | 8     | 9    | 17   | 19  | 24  | 27  | 31  | 38  | 47  | 51  | 55  | 59  | 63  | 69  | 75  | 79  | 83  | 87  | 91  |     |     |     |     |     |     |     |
| 82     | 8     | 6     | 11   | AZ:  | 254 | 257 | 260 | 264 | 267 | 270 | 274 | 279 | 285 | 288 | 294 | 297 | 304 | 310 | 316 | 322 | 328 | 333 | 341 | 346 | 353 | 355 | 355 |
| R =    | 7.0   | KM;   | OBS: | 5    | 7   | 0   | 0   | 0   | 0   | 0   | 0   | 9   | 19  | 13  | 0   | 16  | 9   | 10  | 10  | 13  | 2   | 0   | 7   | 3   | 3   | 30  |     |
| JDGMT: | 3     | DPHI: | -89  | -87  | -83 | -79 | -77 | -73 | -69 | -65 | -59 | -55 | -49 | -46 | -39 | -33 | -27 | -21 | -15 | -10 | -3  | 3   | 10  | 12  | 12  |     |     |
|        | AZ:   | 358   | 5    | 10   | 16  | 24  | 34  | 40  | 46  | 52  | 56  | 64  | 80  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        | OBS:  | 0     | 0    | 8    | 16  | 10  | 0   | 0   | 0   | 0   | 4   | 3   | 12  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |

|                   |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |
|-------------------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|--|
| DPHI:             | 15   | 21   | 27   | 33   | 40   | 51   | 57   | 63   | 69  | 73  | 81  | 97  |     |     |     |     |     |     |     |     |     |     |     |  |  |  |
| 82 8 6 11 AZ:     | 298  | 305  | 310  | 316  | 321  | 328  | 334  | 4    | 10  | 15  | 23  | 28  | 41  | 53  | 54  | 58  |     |     |     |     |     |     |     |  |  |  |
| R = 15.0 KM; OBS: | 0    | 22   | 13   | 16   | 24   | 37   | 0    | 0    | 7   | 0   | 4   | 0   | 0   | 16  | 3   | 4   |     |     |     |     |     |     |     |  |  |  |
| JDGMT: 3 DPHI:    | -45  | -39  | -33  | -27  | -22  | -15  | -9   | 21   | 27  | 31  | 40  | 45  | 58  | 69  | 71  | 75  |     |     |     |     |     |     |     |  |  |  |
| 82 8 6 12 AZ:     | 268  | 277  | 284  | 291  | 304  | 310  | 310  | 318  | 326 | 335 | 342 | 350 | 1   | 8   | 16  | 23  | 30  | 42  | 47  | 54  | 54  | 62  | 71  |  |  |  |
| R = 0.5 KM; OBS:  | 13   | 3    | 2    | 0    | 6    | 3    | 11   | 0    | 0   | 2   | 5   | 5   | 6   | 6   | 17  | 19  | 17  | 42  | 50  | 5   | 56  | 65  | 20  |  |  |  |
| JDGMT: 2 DPHI:    | -110 | -101 | -95  | -87  | -74  | -68  | -68  | -60  | -52 | -44 | -36 | -28 | -18 | -11 | -2  | 4   | 12  | 23  | 28  | 35  | 36  | 43  | 53  |  |  |  |
| AZ:               | 78   | 87   |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |
| OBS:              | 18   | 14   |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |
| DPHI:             | 60   | 69   |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |
| 82 8 6 12 AZ:     | 236  | 253  | 261  | 268  | 277  | 285  | 315  | 323  | 332 | 342 | 350 | 358 | 6   | 14  | 22  | 30  | 38  | 46  | 54  | 69  | 78  | 86  | 181 |  |  |  |
| R = 1.0 KM; OBS:  | 5    | 7    | 0    | 9    | 0    | 45   | 18   | 0    | 26  | 11  | 19  | 6   | 14  | 9   | 11  | 25  | 72  | 102 | 123 | 50  | 30  | 33  | 0   |  |  |  |
| JDGMT: 2 DPHI:    | -142 | -125 | -118 | -110 | -101 | -94  | -63  | -55  | -46 | -36 | -29 | -20 | -12 | -4  | 4   | 12  | 20  | 28  | 36  | 51  | 60  | 67  | 163 |  |  |  |
| 82 8 6 12 AZ:     | 241  | 252  | 264  | 268  | 273  | 275  | 280  | 285  | 289 | 305 | 309 | 313 | 317 | 322 | 325 | 330 | 333 | 338 | 343 | 346 | 349 | 354 | 358 |  |  |  |
| R = 2.0 KM; OBS:  | 5    | 0    | 5    | 12   | 10   | 3    | 6    | 9    | 20  | 25  | 13  | 3   | 0   | 21  | 1   | 33  | 22  | 22  | 23  | 23  | 3   | 21  | 37  |  |  |  |
| JDGMT: 2 DPHI:    | -137 | -126 | -114 | -110 | -105 | -103 | -98  | -93  | -89 | -73 | -69 | -66 | -61 | -57 | -53 | -49 | -45 | -41 | -36 | -32 | -29 | -24 | -20 |  |  |  |
| AZ:               | 3    | 6    | 10   | 33   | 38   | 42   | 46   | 49   | 54  | 58  | 62  | 66  | 70  | 94  |     |     |     |     |     |     |     |     |     |  |  |  |
| OBS:              | 38   | 23   | 20   | 43   | 129  | 151  | 219  | 240  | 222 | 204 | 178 | 148 | 97  | 8   |     |     |     |     |     |     |     |     |     |  |  |  |
| DPHI:             | -16  | -13  | -9   | 15   | 20   | 23   | 28   | 31   | 36  | 40  | 43  | 48  | 52  | 76  |     |     |     |     |     |     |     |     |     |  |  |  |
| 82 8 6 12 AZ:     | 262  | 271  | 278  | 286  | 295  | 309  | 318  | 324  | 335 | 351 | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 59  | 61  | 70  | 78  |     |  |  |  |
| R = 3.0 KM; OBS:  | 8    | 16   | 19   | 13   | 21   | 13   | 34   | 26   | 54  | 76  | 69  | 36  | 19  | 40  | 51  | 115 | 5   | 125 | 149 | 57  | 29  | 0   |     |  |  |  |
| JDGMT: 2 DPHI:    | -116 | -108 | -100 | -93  | -84  | -69  | -61  | -54  | -44 | -27 | -22 | -13 | -4  | 4   | 11  | 24  | 28  | 36  | 40  | 42  | 52  | 60  |     |  |  |  |
| 82 8 6 12 AZ:     | 251  | 254  | 259  | 274  | 279  | 283  | 287  | 292  | 294 | 299 | 303 | 303 | 303 | 306 | 310 | 314 | 318 | 322 | 329 | 334 | 339 | 342 | 345 |  |  |  |
| R = 5.0 KM; OBS:  | 0    | 239  | 4    | 6    | 7    | 10   | 6    | 0    | 0   | 17  | 13  | 32  | 31  | 33  | 33  | 20  | 41  | 19  | 41  | 23  | 22  | 33  | 5   |  |  |  |
| JDGMT: 2 DPHI:    | -127 | -124 | -120 | -104 | -100 | -96  | -92  | -87  | -84 | -80 | -76 | -76 | -76 | -72 | -69 | -64 | -60 | -56 | -50 | -45 | -40 | -36 | -33 |  |  |  |
| AZ:               | 351  | 353  | 0    | 2    | 7    | 10   | 14   | 22   | 30  | 34  | 38  | 42  | 46  | 52  | 58  | 62  | 66  | 70  | 74  |     |     |     |     |  |  |  |
| OBS:              | 43   | 43   | 51   | 59   | 58   | 73   | 50   | 35   | 20  | 25  | 77  | 49  | 41  | 74  | 185 | 160 | 48  | 44  | 13  |     |     |     |     |  |  |  |
| DPHI:             | -28  | -26  | -18  | -16  | -11  | -9   | -4   | 3    | 12  | 16  | 20  | 24  | 28  | 34  | 40  | 44  | 48  | 52  | 56  |     |     |     |     |  |  |  |
| 82 8 6 12 AZ:     | 254  | 257  | 260  | 264  | 267  | 270  | 274  | 279  | 285 | 288 | 294 | 297 | 304 | 310 | 316 | 322 | 328 | 333 | 341 | 346 | 353 | 355 | 355 |  |  |  |
| R = 7.0 KM; OBS:  | 3    | 13   | 6    | 4    | 7    | 6    | 0    | 6    | 5   | 17  | 13  | 19  | 9   | 14  | 11  | 18  | 24  | 30  | 3   | 0   | 2   | 37  | 34  |  |  |  |
| JDGMT: 3 DPHI:    | -124 | -122 | -119 | -114 | -112 | -108 | -104 | -100 | -94 | -91 | -84 | -81 | -74 | -68 | -62 | -56 | -51 | -45 | -38 | -32 | -25 | -23 | -23 |  |  |  |
| AZ:               | 358  | 5    | 10   | 16   | 24   | 28   | 34   | 40   | 46  | 52  | 56  | 64  | 80  |     |     |     |     |     |     |     |     |     |     |  |  |  |
| OBS:              | 48   | 61   | 102  | 52   | 36   | 49   | 37   | 20   | 26  | 20  | 64  | 85  | 0   |     |     |     |     |     |     |     |     |     |     |  |  |  |
| DPHI:             | -20  | -14  | -8   | -3   | 5    | 10   | 16   | 21   | 27  | 34  | 38  | 46  | 62  |     |     |     |     |     |     |     |     |     |     |  |  |  |
| 82 8 6 12 AZ:     | 298  | 305  | 310  | 316  | 321  | 328  | 334  | 352  | 358 | 4   | 10  | 15  | 23  | 28  | 34  | 41  | 53  | 54  | 58  |     |     |     |     |  |  |  |
| R = 15.0 KM; OBS: | 0    | 6    | 5    | 12   | 11   | 21   | 14   | 5    | 82  | 22  | 5   | 29  | 35  | 20  | 25  | 3   | 5   | 5   | 7   |     |     |     |     |  |  |  |
| JDGMT: 3 DPHI:    | -80  | -74  | -68  | -62  | -57  | -50  | -44  | -26  | -20 | -14 | -9  | -4  | 5   | 10  | 16  | 23  | 34  | 36  | 40  |     |     |     |     |  |  |  |
| 82 8 6 13 AZ:     | 268  | 277  | 284  | 291  | 304  | 310  | 310  | 318  | 326 | 335 | 350 | 1   | 8   | 16  | 23  | 30  | 42  | 47  | 54  | 54  | 62  | 71  | 78  |  |  |  |
| R = 0.5 KM; OBS:  | 0    | 0    | 0    | 28   | 40   | 46   | 50   | 16   | 63  | 110 | 103 | 200 | 235 | 121 | 297 | 208 | 225 | 207 | 63  | 100 | 172 | 34  | 34  |  |  |  |

JDGMT: 3 DPHI: -119 -111 -104 -96 -83 -78 -77 -69 -62 -53 -38 -27 -20 -11 -5 3 14 19 26 27 34 43 51  
 AZ: 87  
 OBS: 48  
 DPHI: 60

82 8 6 13 AZ: 236 253 261 268 277 285 315 323 332 342 350 358 6 14 22 30 38 46 54 69 78 86 181  
 R = 1.0 KM; OBS: 13 15 8 0 8 12 8 14 0 48 129 135 147 194 285 290 261 313 294 125 98 93 1  
 JDGMT: 3 DPHI: -151 -135 -127 -119 -111 -103 -73 -64 -55 -46 -38 -30 -21 -13 -5 3 11 18 26 41 50 58 154

82 8 6 13 AZ: 241 252 264 268 273 275 280 285 289 305 309 313 317 322 325 330 333 338 343 346 354 358 3  
 R = 2.0 KM; OBS: 0 6 6 5 0 8 0 8 8 14 40 4 16 8 1 11 6 14 10 8 17 106 153  
 JDGMT: 3 DPHI: -147 -135 -123 -119 -115 -112 -107 -102 -98 -82 -79 -75 -70 -66 -62 -58 -54 -50 -45 -42 -34 -30 -25  
 AZ: 6 10 33 38 42 46 49 54 58 62 66 70 94  
 OBS: 142 187 321 325 246 191 170 167 137 154 126 149 0  
 DPHI: -22 -18 6 11 14 18 21 26 30 34 38 43 67

82 8 6 13 AZ: 262 271 278 286 295 309 318 324 335 341 351 357 5 14 23 30 42 46 54 59 61 70 78  
 R = 3.0 KM; OBS: 0 0 8 0 0 7 1 7 11 26 20 17 10 250 411 505 275 279 238 159 151 40 19  
 JDGMT: -3 DPHI: -125 -117 -109 -102 -93 -78 -70 -63 -53 -47 -37 -31 -23 -13 -5 2 15 19 26 31 33 43 51

82 8 6 13 AZ: 251 254 259 274 279 283 287 292 294 299 303 303 303 306 310 314 318 322 329 334 339 342 345  
 R = 5.0 KM; OBS: 9 0 9 5 0 37 0 0 14 0 10 11 6 5 10 6 17 12 9 1 14 12 25  
 JDGMT: 3 DPHI: -137 -134 -129 -114 -109 -105 -101 -96 -94 -89 -85 -85 -85 -81 -78 -74 -69 -65 -59 -54 -49 -46 -42  
 AZ: 351 353 0 2 7 10 14 22 30 34 38 42 46 52 58 62 66 70 74  
 OBS: 34 43 62 73 134 172 222 0 415 295 243 255 227 155 136 111 104 60 29  
 DPHI: -37 -35 -27 -25 -20 -18 -14 -6 2 7 10 14 18 24 31 35 39 43 47

82 8 6 13 AZ: 254 257 260 264 267 270 274 279 285 288 294 297 304 310 316 322 328 333 341 346 353 355 355  
 R = 7.0 KM; OBS: 12 9 11 0 0 5 18 3 2 8 6 11 4 13 8 10 10 8 23 22 9 50 30  
 JDGMT: 3 DPHI: -134 -131 -128 -123 -121 -117 -113 -109 -103 -100 -93 -90 -84 -77 -71 -66 -60 -54 -47 -42 -35 -32 -32  
 AZ: 358 5 10 16 24 28 34 40 46 52 56 64 80  
 OBS: 25 42 178 224 164 143 146 114 124 135 111 86 6  
 DPHI: -29 -23 -17 -12 -4 1 7 12 18 24 29 36 53

82 8 6 13 AZ: 298 305 310 316 321 328 334 341 346 352 358 4 10 15 23 28 34 41 53 54 58  
 R = 15.0 KM; OBS: 8 0 6 8 5 4 9 15 14 23 91 7 61 102 54 52 59 0 5 0 0  
 JDGMT: 3 DPHI: -89 -83 -77 -71 -66 -60 -53 -47 -41 -35 -29 -24 -18 -13 -5 1 6 14 25 27 31

82 8 6 14 AZ: 268 277 284 291 304 310 310 318 326 335 342 350 1 8 16 23 30 42 47 54 54 62 71  
 R = 0.5 KM; OBS: 3 11 11 0 4 2 19 19 3 13 4 16 6 7 14 22 46 8 6 0 8 8 0  
 JDGMT: 3 DPHI: -120 -111 -105 -97 -84 -78 -78 -70 -62 -54 -46 -38 -27 -20 -12 -6 2 13 19 26 26 34 43  
 AZ: 78 87  
 OBS: 0 3  
 DPHI: 50 59

82 8 6 14 AZ: 236 253 261 268 277 285 315 323 332 342 350 358 6 14 22 30 38 46 54 69 78 86 181  
 R = 1.0 KM; OBS: 5 0 8 0 0 10 3 4 11 0 11 0 0 13 21 73 76 70 33 14 5 0 11

|              |       |       |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|-------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| JDGMT:       | 3     | DPHI: | -152 | -135 | -128 | -120 | -111 | -104 | -73  | -65  | -56  | -46  | -39 | -30 | -22 | -14 | -6  | 2   | 10  | 18  | 26  | 41  | 50  | 57  | 153 |
| 82 8 6 14    | AZ:   | 241   | 252  | 264  | 268  | 273  | 275  | 280  | 285  | 289  | 305  | 309  | 313 | 317 | 322 | 325 | 330 | 333 | 338 | 343 | 346 | 349 | 354 | 358 |     |
| R = 2.0 KM;  | OBS:  | 1     | 0    | 4    | 0    | 3    | 0    | 6    | 0    | 3    | 5    | 4    | 7   | 4   | 3   | 6   | 38  | 0   | 7   | 10  | 0   | 7   | 5   | 33  |     |
| JDGMT:       | 3     | DPHI: | -147 | -136 | -124 | -120 | -115 | -113 | -108 | -103 | -99  | -83  | -79 | -75 | -71 | -67 | -63 | -59 | -55 | -51 | -46 | -42 | -39 | -34 | -30 |
|              | AZ:   | 3     | 6    | 10   | 33   | 38   | 42   | 46   | 49   | 54   | 58   | 62   | 66  | 70  | 94  |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 63    | 79   | 110  | 379  | 316  | 307  | 194  | 195  | 136  | 49   | 26   | 24  | 4   | 0   |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | -26   | -23  | -19  | 5    | 10   | 13   | 18   | 21   | 26   | 30   | 33   | 38  | 42  | 66  |     |     |     |     |     |     |     |     |     |     |
| 82 8 6 14    | AZ:   | 262   | 271  | 278  | 286  | 295  | 309  | 318  | 324  | 335  | 341  | 351  | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 59  | 61  | 70  | 78  |     |
| R = 3.0 KM;  | OBS:  | 4     | 0    | 0    | 5    | 13   | 3    | 7    | 4    | 0    | 0    | 5    | 0   | 91  | 119 | 189 | 423 | 533 | 469 | 174 | 107 | 87  | 4   | 0   |     |
| JDGMT:       | -3    | DPHI: | -126 | -117 | -110 | -103 | -93  | -79  | -70  | -64  | -54  | -47  | -37 | -32 | -23 | -14 | -6  | 1   | 14  | 18  | 26  | 30  | 32  | 42  | 50  |
| 82 8 6 14    | AZ:   | 251   | 254  | 259  | 274  | 279  | 283  | 287  | 292  | 294  | 299  | 303  | 303 | 303 | 306 | 310 | 314 | 318 | 322 | 329 | 334 | 339 | 342 | 345 |     |
| R = 5.0 KM;  | OBS:  | 0     | 0    | 5    | 7    | 7    | 8    | 7    | 0    | 5    | 5    | 6    | 10  | 3   | 0   | 10  | 0   | 6   | 0   | 0   | 10  | 0   | 42  | 11  |     |
| JDGMT:       | 3     | DPHI: | -137 | -134 | -130 | -114 | -109 | -106 | -102 | -96  | -94  | -90  | -86 | -86 | -86 | -82 | -78 | -74 | -70 | -66 | -60 | -54 | -49 | -46 | -43 |
|              | AZ:   | 351   | 353  | 0    | 2    | 7    | 10   | 14   | 22   | 30   | 34   | 38   | 42  | 46  | 52  | 58  | 62  | 66  | 70  | 74  |     |     |     |     |     |
|              | OBS:  | 55    | 14   | 13   | 22   | 39   | 76   | 123  | 0    | 383  | 372  | 416  | 279 | 323 | 120 | 40  | 13  | 13  | 4   | 10  |     |     |     |     |     |
|              | DPHI: | -37   | -36  | -28  | -26  | -21  | -18  | -14  | -7   | 2    | 6    | 10   | 14  | 18  | 24  | 30  | 34  | 38  | 42  | 46  |     |     |     |     |     |
| 82 8 6 14    | AZ:   | 254   | 257  | 260  | 264  | 267  | 270  | 274  | 279  | 285  | 288  | 294  | 297 | 304 | 310 | 316 | 322 | 328 | 333 | 341 | 346 | 353 | 355 | 355 |     |
| R = 7.0 KM;  | OBS:  | 26    | 10   | 8    | 13   | 12   | 11   | 18   | 19   | 8    | 16   | 7    | 12  | 1   | 8   | 6   | 0   | 8   | 8   | 8   | 10  | 11  | 16  | 12  |     |
| JDGMT:       | 2     | DPHI: | -134 | -132 | -129 | -124 | -122 | -118 | -114 | -110 | -104 | -101 | -94 | -91 | -84 | -78 | -72 | -66 | -60 | -55 | -48 | -42 | -35 | -33 | -33 |
|              | AZ:   | 358   | 5    | 10   | 16   | 24   | 28   | 34   | 40   | 46   | 52   | 56   | 64  | 80  |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 17    | 31   | 103  | 103  | 245  | 322  | 295  | 172  | 138  | 71   | 51   | 8   | 0   |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | -30   | -24  | -18  | -12  | -5   | 0    | 6    | 11   | 18   | 24   | 28   | 36  | 52  |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 6 14    | AZ:   | 298   | 305  | 310  | 316  | 321  | 328  | 334  | 341  | 346  | 352  | 358  | 4   | 10  | 15  | 23  | 28  | 34  | 41  | 53  | 54  | 58  |     |     |     |
| R = 15.0 KM; | OBS:  | 15    | 2    | 20   | 5    | 13   | 3    | 9    | 12   | 0    | 7    | 0    | 36  | 101 | 92  | 76  | 64  | 174 | 17  | 0   | 3   | 27  |     |     |     |
| JDGMT:       | 2     | DPHI: | -90  | -84  | -78  | -72  | -67  | -60  | -54  | -48  | -42  | -36  | -30 | -24 | -18 | -14 | -5  | 0   | 6   | 13  | 24  | 26  | 30  |     |     |
| 82 8 6 15    | AZ:   | 268   | 277  | 284  | 291  | 304  | 310  | 310  | 318  | 326  | 335  | 342  | 350 | 1   | 8   | 16  | 23  | 30  | 42  | 47  | 54  | 54  | 62  | 71  |     |
| R = 0.5 KM;  | OBS:  | 0     | 3    | 4    | 0    | 11   | 5    | 2    | 0    | 5    | 10   | 0    | 13  | 16  | 0   | 14  | 0   | 29  | 5   | 0   | 6   | 0   | 0   | 41  |     |
| JDGMT:       | 2     | DPHI: | -123 | -114 | -107 | -100 | -87  | -81  | -81  | -73  | -65  | -56  | -48 | -41 | -30 | -23 | -15 | -8  | -1  | 11  | 16  | 23  | 23  | 31  | 40  |
|              | AZ:   | 78    | 87   |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 0     | 0    |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 47    | 56   |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 6 15    | AZ:   | 236   | 253  | 261  | 268  | 277  | 285  | 315  | 323  | 332  | 342  | 350  | 358 | 6   | 14  | 22  | 30  | 38  | 46  | 54  | 69  | 78  | 86  | 181 |     |
| R = 1.0 KM;  | OBS:  | 11    | 0    | 0    | 1    | 5    | 0    | 11   | 10   | 10   | 5    | 6    | 0   | 4   | 0   | 17  | 33  | 34  | 10  | 4   | 0   | 10  | 0   | 3   |     |
| JDGMT:       | 3     | DPHI: | -155 | -138 | -130 | -123 | -114 | -106 | -76  | -68  | -59  | -49  | -41 | -33 | -25 | -17 | -9  | -1  | 7   | 15  | 23  | 38  | 47  | 55  | 151 |
| 82 8 6 15    | AZ:   | 241   | 252  | 264  | 268  | 273  | 275  | 280  | 285  | 289  | 305  | 309  | 313 | 317 | 322 | 325 | 330 | 333 | 338 | 343 | 346 | 349 | 354 | 358 |     |
| R = 2.0 KM;  | OBS:  | 0     | 3    | 0    | 5    | 4    | 21   | 2    | 5    | 4    | 4    | 22   | 13  | 7   | 0   | 0   | 4   | 0   | 9   | 0   | 11  | 12  | 6   | 0   |     |
| JDGMT:       | 2     | DPHI: | -150 | -139 | -126 | -123 | -118 | -116 | -111 | -106 | -102 | -86  | -82 | -78 | -74 | -69 | -66 | -61 | -58 | -53 | -48 | -45 | -42 | -37 | -33 |
|              | AZ:   | 3     | 6    | 10   | 33   | 38   | 42   | 46   | 49   | 54   | 58   | 62   | 66  | 70  | 94  |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 0     | 8    | 4    | 139  | 128  | 251  | 110  | 108  | 26   | 17   | 0    | 11  | 4   | 0   |     |     |     |     |     |     |     |     |     |     |

|        |      |       |      |       |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------|------|-------|------|-------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|        |      |       |      | DPHI: | -28  | -25  | -21  | 3    | 7    | 11   | 15   | 18   | 23   | 27   | 31  | 35  | 39  | 63  |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 6     | 15   | AZ:   | 262  | 271  | 278  | 286  | 295  | 309  | 318  | 324  | 335  | 341  | 351 | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 59  | 61  | 70  | 78  |
| R =    | 3.0  | KM;   | OBS: |       | 0    | 0    | 0    | 8    | 14   | 0    | 0    | 16   | 5    | 11   | 0   | 5   | 10  | 12  | 14  | 66  | 462 | 327 | 131 | 108 | 1   | 9   | 14  |
| JDGMT: | 3    | DPHI: |      |       | -129 | -120 | -113 | -105 | -96  | -82  | -73  | -67  | -56  | -50  | -40 | -34 | -26 | -17 | -8  | -1  | 11  | 15  | 23  | 28  | 30  | 39  | 47  |
| 82     | 8    | 6     | 15   | AZ:   | 251  | 254  | 259  | 274  | 279  | 283  | 287  | 292  | 294  | 299  | 303 | 303 | 303 | 306 | 310 | 314 | 318 | 322 | 329 | 334 | 339 | 342 | 345 |
| R =    | 5.0  | KM;   | OBS: |       | 0    | 13   | 6    | 10   | 4    | 18   | 8    | 8    | 9    | 0    | 0   | 11  | 4   | 8   | 10  | 7   | 19  | 8   | 8   | 22  | 8   | 9   | 10  |
| JDGMT: | -2   | DPHI: |      |       | -140 | -137 | -132 | -117 | -112 | -108 | -104 | -99  | -97  | -92  | -88 | -88 | -88 | -85 | -81 | -77 | -73 | -69 | -62 | -57 | -52 | -49 | -46 |
|        |      |       |      | AZ:   | 351  | 353  | 0    | 2    | 7    | 10   | 14   | 22   | 30   | 34   | 38  | 42  | 46  | 52  | 58  | 62  | 66  | 70  | 74  |     |     |     |     |
|        |      |       |      | OBS:  | 10   | 10   | 1    | 6    | 0    | 12   | 11   | 52   | 189  | 467  | 637 | 497 | 506 | 198 | 46  | 2   | 8   | 5   | 22  |     |     |     |     |
|        |      |       |      | DPHI: | -40  | -38  | -31  | -29  | -24  | -21  | -17  | -9   | -1   | 3    | 7   | 11  | 15  | 21  | 27  | 31  | 35  | 39  | 43  |     |     |     |     |
| 82     | 8    | 6     | 15   | AZ:   | 254  | 257  | 260  | 264  | 267  | 270  | 274  | 279  | 285  | 288  | 294 | 297 | 304 | 310 | 316 | 322 | 328 | 333 | 341 | 346 | 353 | 355 | 355 |
| R =    | 7.0  | KM;   | OBS: |       | 13   | 13   | 0    | 0    | 0    | 6    | 22   | 8    | 20   | 15   | 12  | 1   | 11  | 10  | 11  | 12  | 10  | 0   | 3   | 0   | 20  | 10  | 8   |
| JDGMT: | 2    | DPHI: |      |       | -137 | -134 | -131 | -127 | -124 | -121 | -117 | -112 | -106 | -103 | -97 | -94 | -87 | -81 | -75 | -69 | -63 | -58 | -50 | -45 | -38 | -36 | -36 |
|        |      |       |      | AZ:   | 358  | 5    | 10   | 16   | 24   | 28   | 34   | 40   | 46   | 52   | 56  | 64  | 80  |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      | OBS:  | 20   | 0    | 15   | 16   | 70   | 240  | 348  | 348  | 318  | 133  | 65  | 18  | 12  |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      | DPHI: | -33  | -26  | -21  | -15  | -7   | -3   | 3    | 9    | 15   | 21   | 25  | 33  | 49  |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 6     | 15   | AZ:   | 298  | 305  | 310  | 316  | 321  | 328  | 334  | 341  | 346  | 352  | 358 | 4   | 10  | 15  | 23  | 28  | 34  | 41  | 53  | 54  | 58  |     |     |
| R =    | 15.0 | KM;   | OBS: |       | 0    | 13   | 7    | 9    | 5    | 0    | 7    | 5    | 0    | 12   | 17  | 12  | 36  | 58  | 150 | 180 | 16  | 50  | 40  | 15  | 36  |     |     |
| JDGMT: | 3    | DPHI: |      |       | -93  | -86  | -81  | -75  | -70  | -63  | -57  | -50  | -45  | -39  | -33 | -27 | -21 | -16 | -8  | -3  | 3   | 10  | 22  | 24  | 27  |     |     |
| 82     | 8    | 6     | 16   | AZ:   | 268  | 277  | 284  | 291  | 304  | 310  | 310  | 318  | 326  | 335  | 342 | 350 | 1   | 8   | 16  | 23  | 30  | 42  | 47  | 54  | 54  | 62  | 71  |
| R =    | 0.5  | KM;   | OBS: |       | 7    | 0    | 2    | 0    | 3    | 16   | 4    | 6    | 38   | 0    | 5   | 5   | 4   | 6   | 0   | 4   | 7   | 43  | 4   | 8   | 2   | 6   | 28  |
| JDGMT: | 3    | DPHI: |      |       | -127 | -118 | -111 | -103 | -91  | -85  | -84  | -77  | -69  | -60  | -52 | -45 | -34 | -27 | -18 | -12 | -5  | 7   | 12  | 19  | 19  | 27  | 36  |
|        |      |       |      | AZ:   | 78   | 87   |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      | OBS:  | 0    | 5    |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      | DPHI: | 43   | 52   |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 6     | 16   | AZ:   | 236  | 253  | 261  | 277  | 285  | 315  | 323  | 332  | 342  | 350  | 358 | 6   | 14  | 22  | 30  | 38  | 46  | 54  | 78  | 86  | 181 |     |     |
| R =    | 1.0  | KM;   | OBS: |       | 4    | 0    | 9    | 0    | 12   | 0    | 0    | 10   | 0    | 10   | 0   | 0   | 9   | 8   | 13  | 35  | 31  | 2   | 0   | 4   | 6   |     |     |
| JDGMT: | 3    | DPHI: |      |       | -159 | -142 | -134 | -118 | -110 | -80  | -71  | -62  | -53  | -45  | -37 | -29 | -21 | -13 | -5  | 3   | 11  | 19  | 43  | 51  | 147 |     |     |
| 82     | 8    | 6     | 16   | AZ:   | 241  | 252  | 264  | 268  | 273  | 275  | 280  | 285  | 289  | 305  | 309 | 313 | 317 | 322 | 325 | 330 | 333 | 338 | 346 | 349 | 354 | 358 | 3   |
| R =    | 2.0  | KM;   | OBS: |       | 14   | 5    | 0    | 7    | 7    | 6    | 1    | 0    | 0    | 0    | 17  | 6   | 2   | 5   | 7   | 9   | 6   | 0   | 6   | 3   | 0   | 0   | 0   |
| JDGMT: | 2    | DPHI: |      |       | -154 | -142 | -130 | -127 | -122 | -119 | -115 | -110 | -106 | -90  | -86 | -82 | -78 | -73 | -69 | -65 | -62 | -57 | -49 | -46 | -41 | -37 | -32 |
|        |      |       |      | AZ:   | 6    | 10   | 33   | 38   | 42   | 46   | 49   | 54   | 58   | 62   | 66  | 70  | 94  |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      | OBS:  | 0    | 0    | 70   | 129  | 165  | 386  | 363  | 282  | 144  | 42   | 31  | 0   | 0   |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      | DPHI: | -29  | -25  | -1   | 4    | 7    | 11   | 14   | 19   | 23   | 27   | 31  | 35  | 59  |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 6     | 16   | AZ:   | 262  | 271  | 278  | 286  | 295  | 309  | 318  | 324  | 335  | 341  | 351 | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 59  | 61  | 70  | 78  |
| R =    | 3.0  | KM;   | OBS: |       | 6    | 0    | 15   | 5    | 11   | 17   | 8    | 8    | 7    | 9    | 8   | 3   | 0   | 6   | 10  | 37  | 202 | 218 | 153 | 14  | 31  | 6   | 0   |
| JDGMT: | 2    | DPHI: |      |       | -133 | -124 | -117 | -109 | -100 | -86  | -77  | -71  | -60  | -54  | -44 | -38 | -30 | -21 | -12 | -5  | 7   | 12  | 19  | 24  | 26  | 35  | 44  |
| 82     | 8    | 6     | 16   | AZ:   | 251  | 254  | 259  | 274  | 279  | 283  | 287  | 292  | 294  | 299  | 303 | 303 | 303 | 306 | 310 | 314 | 318 | 322 | 329 | 334 | 339 | 342 | 345 |
| R =    | 5.0  | KM;   | OBS: |       | 0    | 0    | 6    | 13   | 0    | 7    | 0    | 10   | 4    | 7    | 0   | 0   | 3   | 7   | 12  | 0   | 0   | 4   | 14  | 0   | 5   | 18  | 14  |

|        |      |       |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------|------|-------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| JDGMT: | 2    | DPHI: | -144 | -141 | -136 | -121 | -116 | -112 | -108 | -103 | -101 | -96  | -92  | -92 | -92 | -89 | -85 | -81 | -77 | -73 | -66 | -61 | -56 | -53 | -49 |     |     |
|        |      | AZ:   | 351  | 353  | 0    | 2    | 7    | 10   | 14   | 22   | 30   | 34   | 38   | 42  | 46  | 52  | 62  | 66  | 70  | 74  |     |     |     |     |     |     |     |
|        |      | OBS:  | 9    | 17   | 8    | 6    | 20   | 12   | 5    | 14   | 22   | 57   | 177  | 197 | 208 | 174 | 2   | 112 | 20  | 21  |     |     |     |     |     |     |     |
|        |      | DPHI: | -44  | -42  | -35  | -33  | -28  | -25  | -21  | -13  | -5   | -1   | 3    | 7   | 11  | 17  | 27  | 32  | 35  | 39  |     |     |     |     |     |     |     |
|        |      |       |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 6     | 16   | AZ:  | 254  | 257  | 260  | 264  | 267  | 270  | 274  | 279  | 285  | 288 | 294 | 297 | 304 | 310 | 316 | 322 | 328 | 333 | 341 | 346 | 353 | 355 | 355 |
| R =    | 7.0  | KM;   | OBS: | 0    | 0    | 7    | 2    | 3    | 0    | 13   | 3    | 3    | 10   | 3   | 0   | 0   | 8   | 9   | 5   | 4   | 14  | 0   | 10  | 11  | 11  | 18  |     |
| JDGMT: | 2    | DPHI: | -141 | -138 | -135 | -131 | -128 | -125 | -121 | -116 | -110 | -107 | -101 | -98 | -91 | -85 | -79 | -73 | -67 | -61 | -54 | -49 | -42 | -40 | -40 |     |     |
|        |      | AZ:   | 358  | 5    | 10   | 16   | 24   | 28   | 34   | 40   | 46   | 52   | 56   | 64  | 80  |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 5    | 4    | 7    | 7    | 19   | 60   | 153  | 217  | 188  | 145  | 144  | 91  | 3   |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | -36  | -30  | -25  | -19  | -11  | -7   | -1   | 5    | 11   | 17   | 21   | 29  | 45  |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 6     | 16   | AZ:  | 298  | 305  | 310  | 316  | 321  | 328  | 334  | 341  | 346  | 352 | 358 | 4   | 10  | 15  | 23  | 28  | 34  | 41  | 53  | 54  | 58  |     |     |
| R =    | 15.0 | KM;   | OBS: | 0    | 21   | 15   | 1    | 4    | 0    | 8    | 15   | 8    | 0    | 12  | 0   | 0   | 33  | 35  | 70  | 6   | 149 | 114 | 38  | 38  |     |     |     |
| JDGMT: | 2    | DPHI: | -97  | -90  | -85  | -79  | -73  | -67  | -61  | -54  | -49  | -43  | -37  | -31 | -25 | -20 | -12 | -6  | -1  | 6   | 18  | 20  | 24  |     |     |     |     |
|        |      |       |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 6     | 17   | AZ:  | 268  | 277  | 284  | 291  | 304  | 310  | 310  | 318  | 326  | 335 | 342 | 350 | 1   | 8   | 16  | 23  | 30  | 42  | 47  | 54  | 54  | 62  | 71  |
| R =    | 0.5  | KM;   | OBS: | 0    | 11   | 0    | 0    | 3    | 4    | 12   | 0    | 4    | 2    | 0   | 3   | 4   | 3   | 6   | 7   | 5   | 9   | 0   | 0   | 5   | 0   | 10  |     |
| JDGMT: | 2    | DPHI: | -131 | -123 | -116 | -108 | -96  | -90  | -89  | -82  | -74  | -65  | -57  | -50 | -39 | -32 | -23 | -17 | -9  | 2   | 7   | 14  | 15  | 22  | 31  |     |     |
|        |      | AZ:   | 78   | 87   |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 0    | 3    |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | 38   | 47   |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 6     | 17   | AZ:  | 236  | 253  | 261  | 277  | 285  | 315  | 323  | 332  | 342  | 350 | 358 | 6   | 14  | 22  | 30  | 38  | 46  | 54  | 69  | 78  | 86  | 181 |     |
| R =    | 1.0  | KM;   | OBS: | 5    | 5    | 0    | 10   | 4    | 3    | 10   | 10   | 0    | 30   | 4   | 5   | 0   | 10  | 0   | 4   | 0   | 0   | 4   | 0   | 24  | 1   |     |     |
| JDGMT: | 3    | DPHI: | -164 | -147 | -139 | -123 | -115 | -85  | -76  | -67  | -58  | -50  | -42  | -33 | -26 | -18 | -10 | -1  | 6   | 14  | 29  | 38  | 46  | 142 |     |     |     |
|        |      |       |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 6     | 17   | AZ:  | 241  | 252  | 264  | 268  | 273  | 275  | 280  | 285  | 289  | 305 | 309 | 313 | 317 | 322 | 325 | 330 | 333 | 338 | 343 | 346 | 349 | 354 | 358 |
| R =    | 2.0  | KM;   | OBS: | 0    | 0    | 6    | 0    | 0    | 3    | 0    | 6    | 4    | 9    | 8   | 2   | 3   | 4   | 11  | 11  | 3   | 9   | 5   | 10  | 6   | 4   | 0   |     |
| JDGMT: | 2    | DPHI: | -159 | -147 | -135 | -132 | -127 | -124 | -119 | -114 | -111 | -95  | -91  | -87 | -82 | -78 | -74 | -70 | -67 | -62 | -57 | -54 | -50 | -46 | -42 |     |     |
|        |      | AZ:   | 3    | 6    | 10   | 33   | 38   | 42   | 46   | 49   | 54   | 58   | 62   | 66  | 70  | 94  |     |     |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 8    | 12   | 0    | 0    | 12   | 32   | 109  | 114  | 131  | 150  | 135  | 133 | 111 | 0   |     |     |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | -37  | -34  | -30  | -6   | -1   | 2    | 6    | 9    | 14   | 18   | 22   | 26  | 30  | 54  |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 6     | 17   | AZ:  | 262  | 271  | 278  | 286  | 295  | 309  | 318  | 324  | 335  | 341 | 351 | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 59  | 61  | 70  | 78  |
| R =    | 3.0  | KM;   | OBS: | 0    | 0    | 0    | 5    | 0    | 0    | 0    | 4    | 0    | 18   | 0   | 0   | 0   | 4   | 4   | 8   | 24  | 29  | 85  | 148 | 139 | 71  | 21  |     |
| JDGMT: | 3    | DPHI: | -138 | -129 | -122 | -114 | -105 | -91  | -82  | -76  | -65  | -59  | -49  | -43 | -35 | -26 | -17 | -10 | 3   | 7   | 14  | 19  | 21  | 31  | 39  |     |     |
|        |      |       |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 6     | 17   | AZ:  | 251  | 259  | 274  | 279  | 283  | 287  | 292  | 294  | 299  | 303 | 303 | 303 | 306 | 310 | 314 | 318 | 322 | 329 | 334 | 339 | 342 | 345 | 351 |
| R =    | 5.0  | KM;   | OBS: | 0    | 0    | 4    | 4    | 13   | 4    | 3    | 3    | 0    | 0    | 5   | 17  | 0   | 94  | 5   | 0   | 4   | 0   | 2   | 3   | 17  | 0   | 59  |     |
| JDGMT: | 2    | DPHI: | -149 | -141 | -126 | -121 | -117 | -113 | -108 | -106 | -101 | -97  | -97  | -97 | -94 | -90 | -86 | -82 | -78 | -71 | -66 | -61 | -58 | -54 | -49 |     |     |
|        |      | AZ:   | 353  | 0    | 2    | 7    | 10   | 14   | 22   | 30   | 34   | 38   | 42   | 46  | 52  | 58  | 62  | 66  | 70  | 74  |     |     |     |     |     |     |     |
|        |      | OBS:  | 9    | 0    | 0    | 0    | 0    | 0    | 1    | 9    | 4    | 29   | 41   | 31  | 86  | 169 | 117 | 61  | 78  | 124 |     |     |     |     |     |     |     |
|        |      | DPHI: | -47  | -40  | -38  | -33  | -30  | -26  | -18  | -10  | -5   | -2   | 2    | 6   | 12  | 18  | 23  | 27  | 30  | 34  |     |     |     |     |     |     |     |
|        |      |       |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 6     | 17   | AZ:  | 254  | 257  | 260  | 264  | 267  | 270  | 274  | 279  | 285  | 288 | 294 | 297 | 304 | 310 | 316 | 322 | 328 | 333 | 341 | 346 | 353 | 355 | 355 |
| R =    | 7.0  | KM;   | OBS: | 0    | 4    | 0    | 0    | 0    | 4    | 1    | 4    | 0    | 0    | 9   | 0   | 1   | 4   | 11  | 7   | 0   | 3   | 0   | 6   | 5   | 0   | 8   |     |

|        |      |       |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |
|--------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| JDGMT: | 2    | DPHI: | -146 | -143 | -140 | -136 | -133 | -130 | -125 | -121 | -115 | -112 | -106 | -103 | -96 | -89 | -84 | -78 | -72 | -66 | -59 | -54 | -47 | -45 | -45 |     |
|        |      | AZ:   | 358  | 5    | 10   | 16   | 24   | 28   | 34   | 40   | 46   | 52   | 56   | 64   | 80  |     |     |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 10   | 0    | 27   | 2    | 12   | 13   | 37   | 74   | 100  | 108  | 103  | 130  | 0   |     |     |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | -41  | -35  | -30  | -24  | -16  | -11  | -5   | 0    | 6    | 12   | 16   | 24   | 40  |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 6     | 17   | AZ:  | 298  | 305  | 310  | 316  | 321  | 328  | 334  | 341  | 346  | 352  | 358 | 4   | 10  | 15  | 23  | 28  | 41  | 53  | 54  |     |     |     |
| R =    | 15.0 | KM;   | OBS: | 0    | 0    | 6    | 5    | 0    | 3    | 2    | 5    | 3    | 9    | 0    | 4   | 14  | 1   | 9   | 24  | 101 | 107 | 62  |     |     |     |     |
| JDGMT: | 2    | DPHI: | -101 | -95  | -89  | -84  | -78  | -72  | -66  | -59  | -54  | -47  | -42  | -36  | -30 | -25 | -17 | -11 | 1   | 13  | 15  |     |     |     |     |     |
|        |      |       |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 6     | 18   | AZ:  | 268  | 277  | 284  | 291  | 304  | 310  | 310  | 318  | 326  | 335  | 342 | 350 | 1   | 8   | 16  | 23  | 30  | 42  | 47  | 54  | 54  |     |
| R =    | 0.5  | KM;   | OBS: | 3    | 4    | 9    | 0    | 3    | 6    | 4    | 0    | 0    | 0    | 7    | 11  | 8   | 3   | 0   | 5   | 11  | 12  | 6   | 5   | 3   | 0   |     |
| JDGMT: | 3    | DPHI: | -126 | -118 | -111 | -103 | -90  | -85  | -84  | -76  | -69  | -60  | -52  | -45  | -34 | -27 | -18 | -12 | -4  | 7   | 12  | 19  | 20  | 27  | 37  |     |
|        |      | AZ:   | 78   | 87   |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 1    | 0    |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | 44   | 53   |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 6     | 18   | AZ:  | 236  | 253  | 261  | 277  | 285  | 315  | 323  | 332  | 342  | 350  | 358 | 6   | 14  | 22  | 30  | 38  | 46  | 54  | 69  | 78  | 86  |     |
| R =    | 1.0  | KM;   | OBS: | 4    | 12   | 5    | 4    | 6    | 4    | 11   | 1    | 0    | 11   | 0    | 1   | 0   | 3   | 4   | 0   | 16  | 3   | 2   | 0   | 5   | 2   |     |
| JDGMT: | 3    | DPHI: | -158 | -142 | -134 | -118 | -110 | -80  | -71  | -62  | -53  | -45  | -37  | -28  | -20 | -12 | -4  | 4   | 11  | 19  | 34  | 43  | 51  | 147 |     |     |
|        |      |       |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 6     | 18   | AZ:  | 241  | 252  | 264  | 268  | 273  | 275  | 280  | 285  | 289  | 305  | 309 | 313 | 317 | 322 | 325 | 330 | 333 | 338 | 343 | 346 | 349 | 354 |
| R =    | 2.0  | KM;   | OBS: | 0    | 3    | 0    | 0    | 0    | 7    | 0    | 0    | 14   | 0    | 10   | 4   | 3   | 2   | 10  | 6   | 3   | 0   | 43  | 5   | 36  | 4   | 0   |
| JDGMT: | 2    | DPHI: | -154 | -142 | -130 | -126 | -121 | -119 | -114 | -109 | -105 | -89  | -86  | -82  | -77 | -73 | -69 | -65 | -61 | -57 | -52 | -49 | -45 | -41 | -37 |     |
|        |      | AZ:   | 3    | 6    | 10   | 33   | 38   | 42   | 46   | 49   | 54   | 58   | 62   | 66   | 70  | 94  |     |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 0    | 2    | 8    | 13   | 8    | 25   | 45   | 21   | 46   | 38   | 46   | 46   | 43  | 0   |     |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | -32  | -29  | -25  | -1   | 4    | 7    | 11   | 14   | 19   | 24   | 27   | 31   | 36  | 60  |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 6     | 18   | AZ:  | 262  | 271  | 278  | 286  | 295  | 309  | 318  | 324  | 335  | 341  | 351 | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 59  | 61  | 70  |
| R =    | 3.0  | KM;   | OBS: | 3    | 0    | 2    | 0    | 0    | 2    | 3    | 0    | 0    | 15   | 4    | 0   | 7   | 0   | 0   | 0   | 15  | 19  | 36  | 51  | 56  | 127 | 67  |
| JDGMT: | 2    | DPHI: | -132 | -124 | -116 | -109 | -100 | -85  | -77  | -70  | -60  | -54  | -44  | -38  | -30 | -20 | -12 | -5  | 8   | 12  | 20  | 24  | 26  | 36  | 44  |     |
|        |      |       |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 6     | 18   | AZ:  | 251  | 259  | 274  | 279  | 283  | 287  | 292  | 294  | 299  | 303  | 303 | 303 | 306 | 310 | 314 | 318 | 322 | 329 | 334 | 339 | 342 | 345 |
| R =    | 5.0  | KM;   | OBS: | 0    | 0    | 0    | 2    | 7    | 0    | 0    | 4    | 3    | 0    | 10   | 0   | 0   | 9   | 0   | 0   | 0   | 0   | 0   | 0   | 34  | 0   | 11  |
| JDGMT: | 2    | DPHI: | -144 | -136 | -121 | -116 | -112 | -108 | -103 | -101 | -96  | -92  | -92  | -92  | -88 | -85 | -81 | -76 | -72 | -66 | -61 | -56 | -53 | -49 | -44 |     |
|        |      | AZ:   | 353  | 0    | 2    | 7    | 10   | 14   | 22   | 30   | 34   | 38   | 42   | 46   | 52  | 58  | 62  | 66  | 70  | 74  |     |     |     |     |     |     |
|        |      | OBS:  | 0    | 0    | 4    | 0    | 7    | 3    | 0    | 9    | 0    | 13   | 9    | 41   | 18  | 28  | 53  | 159 | 224 | 15  |     |     |     |     |     |     |
|        |      | DPHI: | -42  | -34  | -32  | -27  | -25  | -21  | -13  | -5   | 0    | 4    | 8    | 11   | 17  | 24  | 28  | 32  | 36  | 40  |     |     |     |     |     |     |
|        |      |       |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 6     | 18   | AZ:  | 254  | 257  | 260  | 264  | 267  | 270  | 274  | 279  | 285  | 288  | 294 | 297 | 304 | 310 | 316 | 322 | 328 | 333 | 341 | 346 | 353 | 355 |
| R =    | 7.0  | KM;   | OBS: | 7    | 4    | 0    | 4    | 2    | 3    | 0    | 1    | 0    | 0    | 5    | 0   | 8   | 18  | 3   | 3   | 4   | 9   | 0   | 0   | 3   | 41  | 0   |
| JDGMT: | 2    | DPHI: | -141 | -138 | -135 | -130 | -128 | -124 | -120 | -116 | -110 | -107 | -100 | -97  | -91 | -84 | -78 | -72 | -67 | -61 | -54 | -49 | -42 | -39 | -39 |     |
|        |      | AZ:   | 358  | 5    | 10   | 16   | 24   | 28   | 34   | 40   | 46   | 52   | 56   | 64   | 80  |     |     |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 8    | 2    | 7    | 0    | 0    | 0    | 0    | 7    | 6    | 20   | 48   | 0    | 4   |     |     |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | -36  | -30  | -24  | -19  | -11  | -6   | 0    | 5    | 11   | 18   | 22   | 30   | 46  |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 6     | 18   | AZ:  | 298  | 305  | 310  | 316  | 321  | 328  | 334  | 341  | 346  | 352  | 358 | 4   | 10  | 15  | 23  | 28  | 41  | 53  | 54  |     |     |     |
| R =    | 15.0 | KM;   | OBS: | 6    | 0    | 5    | 13   | 0    | 0    | 0    | 0    | 2    | 0    | 0    | 1   | 1   | 0   | 0   | 7   | 29  | 45  | 47  |     |     |     |     |



```

JDGMT:  2  DPHI: -96 -90 -84 -78 -73 -66 -60 -54 -48 -42 -36 -31 -25 -20 -12 -6  7  18  20

  82  8  6 19 AZ: 268 277 284 291 304 310 310 318 326 335 342 350  1  8  16  23  30  42  47  54  54  62  71
R = 0.5 KM; OBS:  15  0  0  0  7  2  11  0  11  3  0  4  5  4  78  3  5  0  7  0  0  0  21
JDGMT:  3  DPHI: -98 -89 -83 -75 -62 -56 -56 -48 -40 -32 -24 -16 -5  2  10  16  24  36  41  48  48  56  65

        AZ:  78  87
        OBS:  0  2
        DPHI: 72  81

  82  8  6 19 AZ: 236 253 261 277 285 315 323 332 342 350 358  6  14  22  30  38  46  54  69  78  86  181
R = 1.0 KM; OBS:  10  4  7  0  3  2  0  0  0  30  0  0  0  3  3  0  10  0  2  0  0  8
JDGMT:  3  DPHI: -130 -113 -106 -89 -81 -51 -43 -34 -24 -16 -8  0  8  16  24  32  40  48  63  72  79  175

  82  8  6 19 AZ: 241 252 264 268 273 275 280 285 289 305 309 313 317 322 325 330 333 338 343 346 349 354 358
R = 2.0 KM; OBS:  0  0  3  5  0  0  86  0  57  10  0  3  0  0  1  2  0  0  9  8  10  0  0
JDGMT:  2  DPHI: -125 -114 -102 -98 -93 -91 -86 -81 -77 -61 -57 -53 -49 -44 -41 -36 -33 -28 -23 -20 -17 -12 -8

        AZ:  3  6  10  33  38  42  46  49  54  58  62  66  70  94
        OBS:  0  4  0  0  0  0  8  3  3  7  77  0  8  0
        DPHI: -4  0  4  27  32  36  40  43  48  52  55  60  64  88

  82  8  6 19 AZ: 271 278 286 295 309 318 324 335 341 351 357  5  14  23  30  42  46  54  59  61  70  78
R = 3.0 KM; OBS:  0  10  0  12  0  3  2  0  0  0  0  3  2  0  0  1  5  0  8  9  15  25
JDGMT:  2  DPHI: -95 -88 -80 -71 -57 -48 -42 -31 -25 -15 -9 -1  8  17  23  36  40  48  53  54  64  72

  82  8  6 19 AZ: 251 259 274 279 283 287 292 294 299 303 303 303 306 310 314 318 322 329 334 339 342 345 351
R = 5.0 KM; OBS:  21  0  2  12  22  0  0  2  0  4  0  0  0  10  4  2  4  6  3  0  3  0  9
JDGMT:  2  DPHI: -115 -107 -92 -87 -83 -80 -74 -72 -67 -64 -64 -64 -60 -56 -52 -48 -44 -37 -32 -27 -24 -21 -15

        AZ: 353  0  2  7  10  14  22  30  34  38  42  46  52  62  66  70  74
        OBS:  0  0  5  0  0  3  19  0  0  4  0  14  15  29  28  6  93
        DPHI: -13 -6 -4  1  4  8  16  24  28  32  36  40  46  56  60  64  68

  82  8  6 19 AZ: 254 257 260 264 267 270 274 279 285 288 294 297 304 316 322 328 333 341 346 353 355 355 358
R = 7.0 KM; OBS:  0  6  0  0  0  0  0  0  0  0  7  1  0  0  5  0  4  0  0  4  8  5  11
JDGMT:  2  DPHI: -112 -109 -106 -102 -100 -96 -92 -88 -81 -78 -72 -69 -62 -50 -44 -38 -33 -26 -20 -13 -11 -11 -8

        AZ:  5  10  16  24  28  34  40  46  52  56  64  80
        OBS:  6  4  9  0  0  0  5  0  7  25  33  13
        DPHI: -2  4  10  17  22  28  34  40  46  50  58  74

  82  8  6 19 AZ: 298 305 310 316 321 328 334 341 346 358  4  10  15  23  28  41  53  54
R = 15.0 KM; OBS:  0  13  4  0  0  0  6  0  0  0  0  5  0  0  7  19  19
JDGMT:  2  DPHI: -68 -62 -56 -50 -45 -38 -32 -25 -20 -8 -2  4  8  17  22  35  47  48

  82  8  7 11 AZ: 304 310 310 318 326 335 342 350  1  8  16  23  23  30  42  47  54  62  71  78  87  94 101
R = 0.5 KM; OBS:  14  11  17  16  10  15  11  7  6  6  10  1  9  10  12  5  3  8  19  9  8  7  8
JDGMT:  3  DPHI: -74 -68 -68 -60 -52 -44 -36 -28 -17 -10 -2  4  5  12  24  29  36  44  53  60  69  76  83

        AZ: 110 118
        OBS:  8  8

```

|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|-----|-----|-----|-----|
|              | DPHI: | 92   | 100  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |
| 82 8 7 11    | AZ:   | 228  | 285  | 315 | 323 | 332 | 342 | 350 | 358 | 6   | 14  | 30  | 38  | 46  | 54  | 60  | 69  | 78  | 86 | 94 | 102 | 109 | 118 | 189 |
| R = 1.0 KM;  | OBS:  | 0    | 12   | 23  | 13  | 7   | 15  | 6   | 9   | 8   | 9   | 19  | 8   | 6   | 0   | 10  | 14  | 5   | 12 | 15 | 5   | 7   | 0   | 7   |
| JDGMT: 2     | DPHI: | -150 | -93  | -63 | -55 | -46 | -36 | -29 | -20 | -12 | -4  | 12  | 20  | 28  | 36  | 42  | 51  | 60  | 67 | 76 | 84  | 91  | 99  | 171 |
| 82 8 7 11    | AZ:   | 289  | 305  | 309 | 313 | 317 | 322 | 325 | 330 | 333 | 338 | 343 | 346 | 349 | 354 | 358 | 3   | 6   | 10 | 33 | 38  | 42  | 46  | 49  |
| R = 2.0 KM;  | OBS:  | 7    | 11   | 11  | 10  | 9   | 6   | 7   | 7   | 11  | 10  | 23  | 9   | 11  | 8   | 6   | 11  | 22  | 8  | 9  | 0   | 9   | 9   | 7   |
| JDGMT: 2     | DPHI: | -89  | -73  | -69 | -65 | -61 | -56 | -53 | -49 | -45 | -41 | -36 | -32 | -29 | -24 | -20 | -16 | -12 | -9 | 15 | 20  | 24  | 28  | 31  |
|              | AZ:   | 54   | 58   | 62  | 66  | 70  | 94  | 97  | 102 | 106 | 110 | 114 | 117 |     |     |     |     |     |    |    |     |     |     |     |
|              | OBS:  | 2    | 9    | 8   | 5   | 7   | 16  | 28  | 20  | 14  | 6   | 4   | 7   |     |     |     |     |     |    |    |     |     |     |     |
|              | DPHI: | 36   | 40   | 43  | 48  | 52  | 76  | 79  | 83  | 88  | 91  | 96  | 99  |     |     |     |     |     |    |    |     |     |     |     |
| 82 8 7 11    | AZ:   | 295  | 309  | 318 | 324 | 335 | 341 | 351 | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 59  | 61  | 70 | 78 | 87  | 94  | 102 | 110 |
| R = 3.0 KM;  | OBS:  | 11   | 1    | 10  | 14  | 6   | 6   | 19  | 5   | 0   | 13  | 16  | 4   | 10  | 9   | 6   | 3   | 5   | 9  | 7  | 8   | 0   | 5   | 7   |
| JDGMT: 3     | DPHI: | -83  | -69  | -60 | -54 | -43 | -37 | -27 | -21 | -13 | -4  | 4   | 11  | 24  | 28  | 36  | 41  | 42  | 52 | 60 | 69  | 76  | 84  | 92  |
| 82 8 7 11    | AZ:   | 294  | 303  | 306 | 318 | 322 | 326 | 329 | 334 | 339 | 342 | 345 | 351 | 353 | 0   | 2   | 7   | 10  | 14 | 14 | 14  | 18  | 22  | 26  |
| R = 5.0 KM;  | OBS:  | 9    | 11   | 9   | 12  | 22  | 7   | 11  | 14  | 8   | 19  | 12  | 0   | 18  | 18  | 13  | 9   | 13  | 12 | 12 | 17  | 16  | 21  | 12  |
| JDGMT: 3     | DPHI: | -84  | -76  | -72 | -60 | -56 | -52 | -49 | -44 | -39 | -36 | -33 | -27 | -25 | -18 | -16 | -11 | -8  | -4 | -4 | -4  | 0   | 4   | 8   |
|              | AZ:   | 30   | 34   | 38  | 39  | 39  | 42  | 46  | 50  | 54  | 58  | 62  | 66  | 74  | 78  | 86  | 90  | 95  | 99 |    |     |     |     |     |
|              | OBS:  | 0    | 13   | 7   | 0   | 1   | 13  | 17  | 24  | 0   | 10  | 7   | 20  | 9   | 14  | 11  | 6   | 10  | 8  |    |     |     |     |     |
|              | DPHI: | 12   | 16   | 20  | 21  | 21  | 24  | 28  | 32  | 36  | 40  | 44  | 48  | 56  | 60  | 68  | 72  | 77  | 81 |    |     |     |     |     |
| 82 8 7 11    | AZ:   | 291  | 297  | 304 | 310 | 316 | 322 | 326 | 333 | 341 | 346 | 353 | 358 | 5   | 10  | 16  | 17  | 22  | 28 | 34 | 40  | 46  | 52  | 62  |
| R = 7.0 KM;  | OBS:  | 21   | 7    | 10  | 14  | 5   | 0   | 11  | 11  | 9   | 7   | 0   | 19  | 20  | 11  | 13  | 24  | 14  | 8  | 14 | 0   | 8   | 7   | 10  |
| JDGMT: 3     | DPHI: | -88  | -81  | -74 | -68 | -62 | -56 | -52 | -45 | -38 | -32 | -25 | -20 | -14 | -8  | -2  | -1  | 4   | 10 | 16 | 22  | 28  | 34  | 44  |
|              | AZ:   | 64   | 66   | 70  | 78  | 83  |     |     |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |
|              | OBS:  | 8    | 12   | 17  | 7   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |
|              | DPHI: | 46   | 48   | 52  | 60  | 65  |     |     |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |
| 82 8 7 11    | AZ:   | 298  | 305  | 310 | 316 | 321 | 328 | 334 | 346 | 352 | 358 | 4   | 10  | 16  | 23  | 28  | 34  | 41  | 47 | 53 | 58  | 65  |     |     |
| R = 15.0 KM; | OBS:  | 5    | 0    | 9   | 4   | 0   | 7   | 4   | 19  | 11  | 0   | 10  | 27  | 16  | 22  | 11  | 0   | 9   | 8  | 7  | 0   | 41  |     |     |
| JDGMT: 2     | DPHI: | -80  | -74  | -68 | -62 | -57 | -50 | -44 | -32 | -26 | -20 | -14 | -8  | -2  | 5   | 10  | 16  | 23  | 29 | 34 | 40  | 47  |     |     |
| 82 8 7 12    | AZ:   | 304  | 310  | 310 | 318 | 326 | 335 | 342 | 350 | 1   | 8   | 16  | 23  | 23  | 30  | 42  | 47  | 54  | 62 | 71 | 78  | 87  | 94  | 101 |
| R = 0.5 KM;  | OBS:  | 11   | 4    | 4   | 8   | 1   | 0   | 1   | 0   | 7   | 0   | 27  | 2   | 11  | 5   | 6   | 4   | 4   | 5  | 5  | 9   | 3   | 0   | 6   |
| JDGMT: 3     | DPHI: | -52  | -47  | -46 | -38 | -31 | -22 | -14 | -7  | 4   | 11  | 20  | 26  | 26  | 34  | 45  | 50  | 58  | 65 | 75 | 82  | 91  | 98  | 104 |
|              | AZ:   | 110  | 118  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |
|              | OBS:  | 13   | 15   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |
|              | DPHI: | 113  | 122  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |
| 82 8 7 12    | AZ:   | 189  | 228  | 285 | 315 | 323 | 332 | 342 | 350 | 358 | 6   | 14  | 22  | 30  | 38  | 46  | 54  | 60  | 69 | 78 | 86  | 94  | 102 | 109 |
| R = 1.0 KM;  | OBS:  | 16   | 18   | 5   | 10  | 10  | 6   | 0   | 7   | 0   | 6   | 3   | 0   | 0   | 7   | 5   | 0   | 0   | 15 | 4  | 6   | 18  | 0   | 11  |
| JDGMT: 2     | DPHI: | -167 | -128 | -72 | -41 | -33 | -24 | -14 | -7  | 1   | 10  | 18  | 26  | 34  | 42  | 50  | 57  | 64  | 73 | 81 | 89  | 97  | 105 | 113 |
|              | AZ:   | 118  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |
|              | OBS:  | 3    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |

DPHI: 121

82 8 7 12 AZ: 289 305 309 313 317 322 325 330 333 338 343 346 349 354 358 3 6 10 33 38 42 46 49  
R = 2.0 KM; OBS: 5 4 0 17 0 23 0 0 8 8 6 6 8 11 18 6 9 0 4 0 3 0 7  
JDGMT: 2 DPHI: -67 -51 -48 -44 -39 -35 -31 -27 -23 -19 -14 -10 -7 -3 2 6 9 13 37 42 45 49 53

AZ: 54 58 62 66 70 94 97 102 106 110 114 117  
OBS: 7 0 14 0 7 7 5 0 6 0 4 4  
DPHI: 58 62 65 69 74 98 100 105 109 113 117 121

82 8 7 12 AZ: 295 309 318 324 335 341 351 357 5 14 23 30 42 46 54 59 61 70 78 87 94 102 110  
R = 3.0 KM; OBS: 22 0 5 15 9 9 14 6 5 12 11 17 0 26 0 16 4 1 6 6 0 4 5  
JDGMT: 3 DPHI: -62 -47 -39 -32 -22 -16 -5 0 8 18 26 33 46 50 58 62 64 74 82 90 98 106 114

82 8 7 12 AZ: 294 303 306 310 318 322 326 329 334 339 342 345 351 353 0 2 7 10 14 14 14 18 22  
R = 5.0 KM; OBS: 39 14 9 32 28 12 15 10 12 9 16 6 9 11 11 8 12 8 5 9 0 12 9  
JDGMT: 2 DPHI: -63 -54 -50 -47 -38 -34 -30 -28 -23 -18 -14 -11 -6 -4 4 6 11 13 17 17 18 21 25

AZ: 26 30 34 38 39 39 42 46 50 54 58 62 66 70 74 78 82 86 90 95 99  
OBS: 6 8 21 6 6 12 10 1 5 2 13 6 5 9 5 2 3 0 0 17 5  
DPHI: 30 33 38 42 43 43 46 49 53 58 62 66 70 74 78 82 86 90 94 98 102

82 8 7 12 AZ: 291 297 304 310 316 322 326 333 341 346 353 358 5 10 16 17 22 28 34 40 46 52 62  
R = 7.0 KM; OBS: 78 74 72 34 83 40 15 29 25 18 13 11 19 38 4 8 7 11 7 11 13 7 0  
JDGMT: 2 DPHI: -66 -59 -53 -46 -40 -34 -30 -23 -16 -11 -3 2 8 14 19 21 25 32 38 43 49 56 65

AZ: 64 66 70 78 83  
OBS: 5 0 0 2 6  
DPHI: 68 70 74 82 86

82 8 7 12 AZ: 298 305 310 316 321 328 334 341 346 352 358 4 10 16 23 28 34 41 47 53 58 65 70  
R = 15.0 KM; OBS: 7 6 0 13 5 9 0 7 1 8 14 6 14 38 35 44 6 0 0 7 5 5 0  
JDGMT: 3 DPHI: -58 -52 -46 -40 -35 -28 -22 -16 -10 -4 2 7 13 19 27 32 38 45 50 56 62 69 74

AZ: 76 83 88  
OBS: 6 5 4  
DPHI: 79 86 91

82 8 7 13 AZ: 304 310 310 318 326 335 342 350 1 8 16 23 23 30 42 47 54 62 71 78 87 94 101  
R = 0.5 KM; OBS: 13 11 0 4 4 4 0 3 0 7 0 14 4 4 4 2 2 5 0 0 0 15 7  
JDGMT: 2 DPHI: -27 -22 -21 -13 -6 3 11 18 29 36 45 51 51 59 70 75 83 90 100 107 116 122 129

AZ: 110 118  
OBS: 6 5  
DPHI: 138 146

82 8 7 13 AZ: 189 228 285 315 323 332 342 350 358 6 14 22 30 38 46 54 60 69 78 86 94 102 109  
R = 1.0 KM; OBS: 4 3 88 48 27 4 10 4 0 6 11 5 0 0 6 0 0 0 0 0 5 0 0  
JDGMT: 2 DPHI: -142 -103 -47 -16 -8 1 11 18 26 35 43 51 59 67 74 82 88 97 106 114 122 130 138

AZ: 118  
OBS: 4

DPHI: 146

82 8 7 13 AZ: 289 305 309 313 317 322 325 330 333 338 343 346 349 354 358 3 6 10 33 38 42 46 49  
R = 2.0 KM; OBS: 99 78 161 81 8 9 4 15 2 2 2 14 2 5 4 0 0 3 0 0 6 3 5  
JDGMT: 2 DPHI: -42 -26 -23 -19 -14 -10 -6 -2 2 6 11 14 18 22 27 31 34 38 62 67 70 74 77

AZ: 54 58 62 66 70 94 97 102 106 110 114 117  
OBS: 0 9 2 1 6 10 6 0 6 0 13 4  
DPHI: 83 87 90 94 99 123 125 130 134 138 142 146

82 8 7 13 AZ: 295 309 318 324 335 341 351 357 5 14 23 30 42 46 54 59 61 70 78 87 94 102 110  
R = 3.0 KM; OBS: 98 49 18 33 5 7 0 14 3 12 18 6 0 4 6 6 0 13 0 5 5 7 6  
JDGMT: 2 DPHI: -37 -22 -14 -7 3 9 20 25 33 43 51 58 71 75 83 87 89 99 107 115 123 131 139

82 8 7 13 AZ: 294 303 306 310 318 322 326 329 334 339 342 345 351 353 0 2 7 10 14 14 14 18 22  
R = 5.0 KM; OBS: 111 129 74 75 71 12 30 22 34 0 11 5 5 8 7 5 5 0 5 8 13 10 8  
JDGMT: 2 DPHI: -38 -29 -25 -22 -13 -9 -5 -3 2 7 11 14 19 21 29 31 36 38 42 42 42 46 50

AZ: 26 30 34 38 39 39 42 46 50 54 58 62 66 70 74 78 82 86 90 95 99  
OBS: 6 0 10 0 0 0 4 7 0 0 3 4 0 8 4 0 0 2 10 4 2  
DPHI: 55 58 63 67 68 68 71 74 78 83 87 91 95 99 103 107 111 114 119 123 127

82 8 7 13 AZ: 291 297 304 310 316 322 326 333 341 346 353 358 5 10 16 17 22 28 34 40 46 52 62  
R = 7.0 KM; OBS: 144 144 165 173 73 130 245 158 64 12 5 7 21 6 2 7 0 6 0 13 5 0 0  
JDGMT: 3 DPHI: -41 -34 -28 -21 -15 -9 -5 2 9 14 21 27 33 39 44 46 50 57 63 68 74 81 90

AZ: 64 66 70 78 83  
OBS: 4 1 7 5 3  
DPHI: 93 95 99 107 111

82 8 7 13 AZ: 298 305 310 316 321 328 334 341 346 352 358 4 10 16 23 28 34 41 47 53 58 65 70  
R = 15.0 KM; OBS: 2 0 6 0 26 3 14 3 0 9 23 11 87 160 35 14 3 2 13 3 0 2 3  
JDGMT: 3 DPHI: -33 -27 -21 -15 -10 -3 3 9 15 21 27 32 38 44 52 57 63 70 75 81 87 93 98

AZ: 76 83 88  
OBS: 4 3 12  
DPHI: 104 111 116

82 8 7 14 AZ: 304 310 310 318 326 335 342 350 1 8 16 23 23 30 42 47 54 62 71 78 87 94 101  
R = 0.5 KM; OBS: 22 16 15 0 16 17 9 0 0 0 8 0 20 14 5 11 18 0 1 0 4 0 4  
JDGMT: 2 DPHI: -20 -14 -14 -6 2 10 18 26 37 44 52 58 59 66 78 83 90 98 107 114 123 130 137

AZ: 110 118  
OBS: 7 11  
DPHI: 146 154

82 8 7 14 AZ: 189 228 285 315 323 332 342 350 358 6 14 22 30 38 46 54 60 69 78 86 94 102 109  
R = 1.0 KM; OBS: 16 84 43 182 105 18 0 0 11 0 2 0 0 0 3 10 0 6 0 0 0 11 0  
JDGMT: 3 DPHI: -135 -96 -40 -9 -1 8 18 25 34 42 50 58 66 74 82 90 96 105 114 121 130 138 145

AZ: 118  
OBS: 0

DPHI: 153

82 8 7 14 AZ: 289 305 309 313 317 322 325 330 333 338 343 346 349 354 358 3 6 10 33 38 42 46 49  
R = 2.0 KM; OBS: 204 161 217 133 86 87 100 18 83 121 23 5 14 0 0 3 0 14 12 8 0 5 2  
JDGMT: 2 DPHI: -35 -19 -15 -11 -7 -3 1 5 9 13 18 22 25 30 34 38 42 45 69 74 77 82 85

AZ: 54 58 62 66 70 94 97 102 106 110 114 117  
OBS: 5 2 5 0 4 4 4 0 4 13 3 11  
DPHI: 90 94 97 102 106 130 133 137 142 145 150 153

82 8 7 14 AZ: 295 309 318 324 335 341 351 357 5 14 23 30 42 46 54 59 61 70 78 87 94 102 110  
R = 3.0 KM; OBS: 177 159 75 42 21 0 0 0 10 0 4 12 2 9 0 3 5 0 0 6 0 0 5  
JDGMT: 2 DPHI: -29 -15 -6 0 10 17 27 32 41 50 58 65 78 82 90 95 96 106 114 123 130 138 146

82 8 7 14 AZ: 294 303 306 310 318 322 326 329 334 339 342 345 351 353 0 2 7 10 14 14 14 18 22  
R = 5.0 KM; OBS: 140 165 176 130 154 116 54 30 5 8 0 6 10 0 5 5 5 5 0 12 4 7 5  
JDGMT: 2 DPHI: -30 -22 -18 -14 -6 -2 2 5 10 15 18 21 27 28 36 38 43 46 50 50 50 54 57

AZ: 26 30 34 38 39 39 42 46 50 54 58 62 66 70 74 78 82 86 90 95 99  
OBS: 0 15 0 0 6 1 6 0 0 11 5 5 3 4 0 0 6 0 9 2 2  
DPHI: 62 66 70 74 75 75 78 82 86 90 94 98 102 106 110 114 118 122 126 130 135

82 8 7 14 AZ: 291 297 304 310 316 326 333 341 346 353 358 5 10 16 17 22 28 34 40 46 52 62 64  
R = 7.0 KM; OBS: 124 121 122 108 112 124 57 20 17 0 10 12 5 4 4 4 0 0 11 29 0 7 0  
JDGMT: 2 DPHI: -34 -27 -20 -14 -8 2 9 16 22 29 34 40 46 52 53 58 64 70 76 82 88 98 100

AZ: 66 70 78 83  
OBS: 0 3 5 11  
DPHI: 102 106 114 118

82 8 7 14 AZ: 298 305 310 316 321 328 334 341 346 352 358 4 10 16 23 28 34 41 47 53 58 65 70  
R = 15.0 KM; OBS: 31 27 14 5 8 6 30 19 0 88 82 28 9 22 17 0 15 3 3 4 6 15 9  
JDGMT: 3 DPHI: -26 -20 -14 -8 -3 4 10 16 22 28 34 40 46 52 59 64 70 77 83 88 94 101 106

AZ: 76 83 88  
OBS: 3 0 3  
DPHI: 112 119 124

82 8 7 15 AZ: 304 310 310 318 326 335 342 350 1 8 16 23 23 30 42 47 54 62 71 78 87 94 101  
R = 0.5 KM; OBS: 32 8 34 27 9 6 4 3 0 0 4 3 9 4 12 0 0 16 0 12 0 4 2  
JDGMT: 2 DPHI: -24 -18 -17 -10 -2 7 15 22 33 40 49 55 55 63 74 79 86 94 103 110 119 126 133

AZ: 110 118  
OBS: 9 0  
DPHI: 142 150

82 8 7 15 AZ: 189 228 285 315 323 332 342 350 358 6 14 22 30 38 46 54 60 69 78 86 94 102 109  
R = 1.0 KM; OBS: 5 27 0 9 5 0 0 6 6 2 6 0 0 5 2 0 0 0 0 18 5 3 0  
JDGMT: 2 DPHI: -139 -99 -43 -13 -4 5 14 22 30 39 46 54 62 71 78 86 92 101 110 118 126 134 141

AZ: 118  
OBS: 5

DPHI: 150

82 8 7 15 AZ: 289 305 309 313 317 322 325 330 333 338 343 346 349 354 358 3 6 10 33 38 54 58 62  
R = 2.0 KM; OBS: 56 14 4 0 0 0 0 2 0 16 3 5 0 7 4 1 3 0 0 0 0 13 3  
JDGMT: -2 DPHI: -39 -23 -19 -15 -10 -6 -2 2 5 10 15 18 22 26 30 35 38 42 66 71 86 90 94

AZ: 66 70 94 97 102 106 110 114 117  
OBS: 0 6 12 0 0 7 1 0 0  
DPHI: 98 102 126 129 134 138 142 146 150

82 8 7 15 AZ: 295 309 318 324 335 341 351 357 5 14 23 30 42 46 54 59 61 70 78 87 94 102 110  
R = 3.0 KM; OBS: 88 43 10 0 4 0 1 2 0 4 9 2 4 0 0 7 0 0 0 3 0 3 3  
JDGMT: 2 DPHI: -33 -19 -10 -4 7 13 23 29 37 46 55 62 74 79 86 91 93 102 111 119 126 134 143

82 8 7 15 AZ: 294 303 306 310 318 322 326 329 334 339 342 345 351 353 0 2 7 10 14 14 14 18 22  
R = 5.0 KM; OBS: 107 14 52 26 31 11 7 4 10 0 0 0 0 8 8 0 5 11 7 0 4 14 5  
JDGMT: 2 DPHI: -34 -25 -22 -18 -10 -6 -2 1 6 11 14 18 23 25 32 34 39 42 46 46 46 50 54

AZ: 26 30 34 38 39 39 42 46 50 54 58 62 66 70 74 78 82 86 90 95 99  
OBS: 0 0 14 0 0 0 0 0 0 2 5 4 0 2 0 5 3 0 3 5 3  
DPHI: 59 62 66 70 71 71 74 78 82 87 90 94 99 102 106 110 114 118 122 127 131

82 8 7 15 AZ: 291 297 304 310 316 322 326 333 341 346 353 358 5 10 16 17 22 28 34 40 46 52 62  
R = 7.0 KM; OBS: 209 124 159 64 13 24 20 5 5 0 10 4 3 9 0 8 13 5 0 5 0 3 0  
JDGMT: 2 DPHI: -37 -31 -24 -18 -12 -6 -2 6 13 18 25 31 37 42 48 50 54 61 67 72 78 84 94

AZ: 64 66 70 78 83  
OBS: 14 0 4 0 0  
DPHI: 96 98 103 110 115

82 8 7 15 AZ: 298 305 310 316 321 328 334 341 346 352 358 4 10 16 23 28 34 41 47 53 58 65 70  
R = 15.0 KM; OBS: 107 39 46 64 45 13 69 74 67 52 33 0 12 12 3 4 7 0 3 5 0 0 0  
JDGMT: 2 DPHI: -29 -23 -18 -12 -6 0 6 13 18 25 30 36 42 48 55 61 66 73 79 85 91 97 102

AZ: 76 83 88  
OBS: 0 4 0  
DPHI: 108 115 120

82 8 7 16 AZ: 304 310 310 318 326 335 342 350 1 8 16 23 23 30 42 47 54 62 71 78 87 94 101  
R = 0.5 KM; OBS: 48 0 45 83 0 9 0 0 0 12 12 4 14 0 8 3 15 11 2 3 0 0 9  
JDGMT: 2 DPHI: -47 -41 -41 -33 -25 -16 -9 -1 10 17 25 32 32 39 51 56 63 71 80 87 96 103 110

AZ: 110 118  
OBS: 4 0  
DPHI: 119 127

82 8 7 16 AZ: 189 228 285 315 323 332 342 350 358 6 14 22 30 38 46 54 60 69 78 86 94 102 109  
R = 1.0 KM; OBS: 5 19 0 4 13 2 10 0 3 4 1 0 0 16 5 0 0 12 3 0 1 0 0  
JDGMT: 2 DPHI: -162 -123 -66 -36 -28 -19 -9 -1 7 15 23 31 39 47 55 63 69 78 87 95 103 111 118

AZ: 118  
OBS: 0

DPHI: 127

82 8 7 16 AZ: 289 305 309 313 317 322 325 330 333 338 343 346 349 354 358 3 6 10 38 54 58 62 66  
R = 2.0 KM; OBS: 0 32 3 0 2 2 0 0 0 4 2 0 4 3 0 0 0 7 6 0 3 0 2  
JDGMT: 2 DPHI: -62 -46 -42 -38 -34 -29 -26 -21 -18 -13 -8 -5 -2 3 7 12 15 19 47 63 67 71 75

AZ: 70 94 97 102 106 110 114 117  
OBS: 3 3 4 10 3 0 0 5  
DPHI: 79 103 106 111 115 119 123 126

82 8 7 16 AZ: 295 309 318 324 335 341 351 357 5 14 23 30 42 46 54 59 61 70 78 87 94 102 110  
R = 3.0 KM; OBS: 12 8 3 0 0 5 0 3 2 4 27 17 5 0 5 2 0 6 0 4 0 3 2  
JDGMT: 3 DPHI: -56 -42 -33 -27 -16 -10 0 6 14 23 32 39 51 55 63 68 70 79 87 96 103 111 119

82 8 7 16 AZ: 294 303 306 310 318 322 326 329 334 339 342 345 351 353 0 2 7 10 14 14 14 18 22  
R = 5.0 KM; OBS: 8 4 5 0 0 0 8 2 21 0 0 3 5 6 6 3 2 0 6 0 6 36 10  
JDGMT: 3 DPHI: -57 -48 -45 -41 -33 -29 -25 -22 -17 -12 -9 -6 0 2 9 11 16 19 23 23 23 27 31

AZ: 26 30 34 38 39 39 42 46 50 54 58 62 66 70 74 78 82 86 90 95 99  
OBS: 2 7 10 0 0 0 0 0 0 0 0 3 0 0 3 0 7 0 10 5 0  
DPHI: 35 39 43 47 48 48 51 55 59 63 67 71 75 79 83 87 91 95 99 104 108

82 8 7 16 AZ: 291 297 304 310 316 322 326 333 341 346 358 10 16 17 22 28 34 40 46 52 62 64 66  
R = 7.0 KM; OBS: 53 15 9 6 0 6 5 4 4 7 21 9 5 0 3 0 7 0 6 0 0 0 0  
JDGMT: 2 DPHI: -60 -54 -47 -41 -35 -29 -25 -18 -10 -5 7 19 25 26 31 37 43 49 55 61 71 73 75

AZ: 70 78 83  
OBS: 9 63 9  
DPHI: 79 87 92

82 8 7 16 AZ: 298 305 310 316 321 328 334 341 346 352 358 4 10 16 23 28 34 41 47 53 58 65 70  
R = 15.0 KM; OBS: 73 59 25 30 41 34 31 1 20 3 11 4 6 5 8 5 0 0 0 0 14 0 4  
JDGMT: 2 DPHI: -53 -46 -41 -35 -30 -23 -17 -10 -5 1 7 13 19 25 32 37 43 50 56 62 67 74 79

AZ: 76 83 88  
OBS: 0 6 3  
DPHI: 85 92 97

82 8 7 17 AZ: 304 310 310 318 326 335 342 350 1 8 16 23 23 30 42 47 54 62 71 78 87 94 101  
R = 0.5 KM; OBS: 129 7 119 129 95 0 0 3 3 4 4 0 6 0 11 0 0 0 13 0 0 3 8  
JDGMT: 2 DPHI: -29 -24 -23 -16 -8 1 9 16 27 34 43 49 49 57 68 73 81 88 97 105 113 120 127

AZ: 110 118  
OBS: 11 2  
DPHI: 136 144

82 8 7 17 AZ: 189 228 285 323 332 342 350 358 6 14 22 30 38 46 54 60 69 78 86 94 102 109 118  
R = 1.0 KM; OBS: 3 4 124 7 3 0 0 2 0 3 0 5 0 0 0 4 0 2 0 0 0 2 4  
JDGMT: -2 DPHI: -144 -105 -49 -10 -1 8 16 24 33 41 49 56 65 72 80 86 95 104 112 120 128 135 144

82 8 7 17 AZ: 289 305 309 313 317 322 325 330 333 338 343 346 349 354 358 3 6 10 33 38 54 58 62  
R = 2.0 KM; OBS: 111 0 4 0 0 0 0 0 2 0 0 15 0 0 6 0 0 3 0 0 0 9 0

|        |      |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------|------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| JDGMT: | 2    | DPHI: | -45  | -28  | -25 | -21 | -16 | -12 | -8  | -4  | 0   | 4   | 9   | 12  | 16  | 20  | 24  | 29  | 32  | 36  | 60  | 65  | 80  | 84  | 88  |     |     |
|        |      | AZ:   | 66   | 70   | 94  | 97  | 102 | 106 | 110 | 114 | 117 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 2    | 0    | 6   | 4   | 0   | 4   | 0   | 0   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | 92   | 96   | 121 | 123 | 128 | 132 | 136 | 140 | 144 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 7     | 17   | AZ:  | 295 | 309 | 318 | 324 | 335 | 341 | 351 | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 59  | 61  | 70  | 78  | 87  | 94  | 102 | 110 |
| R =    | 3.0  | KM;   | OBS: | 30   | 4   | 5   | 0   | 2   | 2   | 1   | 0   | 0   | 0   | 0   | 3   | 16  | 0   | 6   | 0   | 0   | 3   | 2   | 2   | 7   | 0   | 0   | 2   |
| JDGMT: | 2    | DPHI: | -39  | -25  | -16 | -9  | 1   | 7   | 17  | 23  | 31  | 40  | 49  | 56  | 69  | 73  | 80  | 85  | 87  | 97  | 105 | 113 | 121 | 128 | 137 |     |     |
|        |      |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 7     | 17   | AZ:  | 294 | 303 | 306 | 310 | 322 | 326 | 329 | 334 | 339 | 342 | 345 | 351 | 353 | 0   | 2   | 7   | 10  | 14  | 14  | 14  | 18  | 22  | 26  |
| R =    | 5.0  | KM;   | OBS: | 14   | 11  | 1   | 0   | 0   | 0   | 5   | 6   | 8   | 0   | 0   | 3   | 0   | 0   | 0   | 0   | 3   | 22  | 0   | 0   | 6   | 7   | 0   |     |
| JDGMT: | 3    | DPHI: | -40  | -31  | -28 | -24 | -12 | -8  | -5  | 0   | 5   | 8   | 12  | 17  | 19  | 26  | 28  | 33  | 36  | 40  | 40  | 40  | 44  | 48  | 53  |     |     |
|        |      | AZ:   | 30   | 34   | 38  | 39  | 39  | 42  | 46  | 50  | 54  | 58  | 62  | 66  | 70  | 74  | 78  | 82  | 86  | 90  | 95  | 99  |     |     |     |     |     |
|        |      | OBS:  | 2    | 17   | 0   | 0   | 1   | 0   | 0   | 2   | 2   | 0   | 3   | 0   | 0   | 3   | 0   | 3   | 1   | 3   | 20  | 8   |     |     |     |     |     |
|        |      | DPHI: | 56   | 61   | 64  | 65  | 65  | 68  | 72  | 76  | 81  | 85  | 89  | 93  | 97  | 101 | 105 | 108 | 112 | 116 | 121 | 125 |     |     |     |     |     |
|        |      |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 7     | 17   | AZ:  | 291 | 297 | 304 | 310 | 316 | 322 | 326 | 333 | 341 | 346 | 353 | 358 | 5   | 10  | 16  | 17  | 22  | 28  | 34  | 40  | 46  | 52  | 62  |
| R =    | 7.0  | KM;   | OBS: | 48   | 16  | 0   | 6   | 11  | 0   | 0   | 5   | 6   | 2   | 4   | 4   | 4   | 3   | 0   | 7   | 0   | 3   | 0   | 4   | 8   | 2   | 1   |     |
| JDGMT: | 2    | DPHI: | -43  | -37  | -30 | -23 | -18 | -12 | -8  | 0   | 7   | 12  | 19  | 25  | 31  | 37  | 42  | 44  | 48  | 55  | 61  | 66  | 72  | 78  | 88  |     |     |
|        |      | AZ:   | 64   | 66   | 70  | 78  | 83  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 0    | 0    | 0   | 0   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | 90   | 92   | 97  | 104 | 109 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 7     | 17   | AZ:  | 298 | 305 | 310 | 316 | 321 | 328 | 334 | 341 | 346 | 352 | 358 | 4   | 10  | 16  | 23  | 28  | 34  | 41  | 47  | 53  | 58  | 65  | 70  |
| R =    | 15.0 | KM;   | OBS: | 23   | 18  | 13  | 5   | 17  | 7   | 3   | 11  | 0   | 4   | 9   | 0   | 18  | 7   | 0   | 2   | 16  | 0   | 0   | 0   | 3   | 12  | 4   |     |
| JDGMT: | 2    | DPHI: | -35  | -29  | -23 | -18 | -12 | -6  | 0   | 7   | 12  | 19  | 24  | 30  | 36  | 42  | 49  | 55  | 60  | 68  | 73  | 79  | 85  | 91  | 96  |     |     |
|        |      | AZ:   | 76   | 83   | 88  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 0    | 0    | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | 102  | 109  | 114 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 7     | 18   | AZ:  | 304 | 310 | 318 | 326 | 335 | 342 | 350 | 1   | 8   | 16  | 23  | 23  | 30  | 42  | 47  | 54  | 62  | 71  | 78  | 87  | 94  | 101 | 110 |
| R =    | 0.5  | KM;   | OBS: | 3    | 0   | 0   | 0   | 0   | 0   | 0   | 4   | 0   | 4   | 0   | 3   | 0   | 8   | 0   | 0   | 2   | 0   | 5   | 5   | 0   | 13  | 6   |     |
| JDGMT: | 2    | DPHI: | -69  | -63  | -55 | -47 | -38 | -30 | -23 | -12 | -5  | 3   | 10  | 10  | 17  | 29  | 34  | 41  | 49  | 58  | 65  | 74  | 81  | 88  | 97  |     |     |
|        |      | AZ:   | 118  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 0    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | 105  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 7     | 18   | AZ:  | 189 | 228 | 285 | 315 | 323 | 332 | 342 | 350 | 358 | 6   | 14  | 22  | 30  | 38  | 46  | 54  | 60  | 69  | 78  | 86  | 94  | 102 | 109 |
| R =    | 1.0  | KM;   | OBS: | 0    | 0   | 0   | 4   | 4   | 3   | 0   | 3   | 2   | 0   | 0   | 0   | 5   | 2   | 17  | 0   | 0   | 1   | 0   | 2   | 0   | 0   | 0   |     |
| JDGMT: | -3   | DPHI: | -184 | -145 | -88 | -58 | -50 | -41 | -31 | -23 | -15 | -7  | 1   | 9   | 17  | 25  | 33  | 41  | 47  | 56  | 65  | 73  | 81  | 89  | 96  |     |     |
|        |      | AZ:   | 118  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 0    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | 105  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 7     | 18   | AZ:  | 289 | 305 | 309 | 313 | 317 | 322 | 325 | 330 | 333 | 338 | 343 | 346 | 349 | 354 | 358 | 3   | 6   | 10  | 33  | 54  | 58  | 62  | 66  |
| R =    | 2.0  | KM;   | OBS: | 0    | 13  | 7   | 0   | 4   | 0   | 3   | 0   | 0   | 0   | 17  | 0   | 0   | 0   | 0   | 0   | 7   | 4   | 0   | 0   | 3   | 3   | 0   | 0   |



|        |      |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |     |     |     |     |
|--------|------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|-----|-----|-----|-----|
| JDGMT: | 3    | DPHI: | -84  | -68  | -64 | -60 | -56 | -51 | -48 | -43 | -40 | -35 | -30 | -27 | -24 | -19 | -15 | -10 | -7 | -3 | 21 | 41 | 45 | 49  | 53  |     |     |
|        |      | AZ:   | 70   | 94   | 97  | 102 | 106 | 110 | 114 | 117 |     |     |     |     |     |     |     |     |    |    |    |    |    |     |     |     |     |
|        |      | OBS:  | 0    | 6    | 10  | 6   | 10  | 11  | 0   | 0   |     |     |     |     |     |     |     |     |    |    |    |    |    |     |     |     |     |
|        |      | DPHI: | 57   | 81   | 84  | 89  | 93  | 97  | 101 | 105 |     |     |     |     |     |     |     |     |    |    |    |    |    |     |     |     |     |
|        |      |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |     |     |     |     |
| 82     | 8    | 7     | 18   | AZ:  | 295 | 309 | 318 | 324 | 335 | 341 | 351 | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 54 | 59 | 61 | 70 | 78 | 87  | 94  | 102 | 110 |
| R =    | 3.0  | KM;   | OBS: | 6    | 4   | 8   | 0   | 0   | 0   | 1   | 6   | 3   | 0   | 7   | 3   | 5   | 0   | 0   | 2  | 1  | 4  | 0  | 7  | 6   | 0   | 4   |     |
| JDGMT: | 2    | DPHI: | -78  | -64  | -55 | -49 | -38 | -32 | -22 | -16 | -8  | 1   | 10  | 17  | 29  | 33  | 41  | 46  | 48 | 57 | 65 | 74 | 81 | 89  | 97  |     |     |
|        |      |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |     |     |     |     |
| 82     | 8    | 7     | 18   | AZ:  | 294 | 303 | 306 | 310 | 322 | 326 | 329 | 334 | 339 | 342 | 345 | 351 | 353 | 0   | 2  | 7  | 10 | 14 | 14 | 14  | 18  | 22  | 26  |
| R =    | 5.0  | KM;   | OBS: | 12   | 4   | 3   | 9   | 3   | 0   | 4   | 9   | 0   | 0   | 4   | 0   | 0   | 9   | 0   | 0  | 0  | 4  | 5  | 0  | 16  | 9   | 4   |     |
| JDGMT: | 3    | DPHI: | -79  | -70  | -67 | -63 | -51 | -47 | -44 | -39 | -34 | -31 | -28 | -22 | -20 | -13 | -11 | -6  | -3 | 1  | 1  | 1  | 5  | 9   | 13  |     |     |
|        |      | AZ:   | 30   | 34   | 38  | 39  | 39  | 42  | 46  | 50  | 54  | 58  | 62  | 66  | 70  | 74  | 78  | 82  | 86 | 90 | 95 | 99 |    |     |     |     |     |
|        |      | OBS:  | 0    | 2    | 3   | 9   | 0   | 15  | 1   | 8   | 0   | 0   | 5   | 5   | 0   | 4   | 0   | 0   | 1  | 7  | 3  | 8  |    |     |     |     |     |
|        |      | DPHI: | 17   | 21   | 25  | 26  | 26  | 29  | 33  | 37  | 41  | 45  | 49  | 53  | 57  | 61  | 65  | 69  | 73 | 77 | 82 | 86 |    |     |     |     |     |
|        |      |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |     |     |     |     |
| 82     | 8    | 7     | 18   | AZ:  | 291 | 297 | 304 | 310 | 316 | 322 | 326 | 333 | 341 | 346 | 353 | 358 | 5   | 10  | 16 | 17 | 22 | 28 | 34 | 40  | 46  | 52  | 62  |
| R =    | 7.0  | KM;   | OBS: | 29   | 2   | 2   | 3   | 12  | 0   | 0   | 0   | 0   | 2   | 0   | 8   | 6   | 13  | 0   | 5  | 5  | 0  | 0  | 0  | 2   | 12  | 0   |     |
| JDGMT: | 2    | DPHI: | -82  | -76  | -69 | -63 | -57 | -51 | -47 | -40 | -32 | -27 | -20 | -15 | -8  | -3  | 3   | 4   | 9  | 15 | 21 | 27 | 33 | 39  | 49  |     |     |
|        |      | AZ:   | 64   | 66   | 70  | 78  | 83  |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |     |     |     |     |
|        |      | OBS:  | 0    | 0    | 0   | 0   | 0   |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |     |     |     |     |
|        |      | DPHI: | 51   | 53   | 57  | 65  | 70  |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |     |     |     |     |
|        |      |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |     |     |     |     |
| 82     | 8    | 7     | 18   | AZ:  | 298 | 305 | 310 | 316 | 321 | 328 | 334 | 341 | 346 | 352 | 358 | 4   | 10  | 16  | 23 | 28 | 34 | 41 | 47 | 53  | 58  | 65  | 70  |
| R =    | 15.0 | KM;   | OBS: | 18   | 27  | 8   | 9   | 0   | 0   | 9   | 4   | 0   | 0   | 6   | 0   | 0   | 9   | 0   | 0  | 8  | 11 | 0  | 0  | 4   | 12  | 0   | 3   |
| JDGMT: | 2    | DPHI: | -75  | -68  | -63 | -57 | -51 | -45 | -39 | -32 | -27 | -21 | -15 | -9  | -3  | 3   | 10  | 15  | 21 | 28 | 34 | 40 | 45 | 52  | 57  |     |     |
|        |      | AZ:   | 76   | 83   | 88  |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |     |     |     |     |
|        |      | OBS:  | 4    | 0    | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |     |     |     |     |
|        |      | DPHI: | 63   | 70   | 75  |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |     |     |     |     |
|        |      |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |     |     |     |     |
| 82     | 8    | 7     | 19   | AZ:  | 304 | 310 | 310 | 318 | 326 | 342 | 350 | 1   | 8   | 23  | 23  | 30  | 42  | 47  | 54 | 62 | 71 | 78 | 87 | 94  | 101 | 110 | 118 |
| R =    | 0.5  | KM;   | OBS: | 26   | 0   | 0   | 0   | 0   | 0   | 0   | 3   | 0   | 0   | 0   | 11  | 0   | 5   | 3   | 2  | 16 | 0  | 0  | 0  | 17  | 3   | 4   | 0   |
| JDGMT: | 2    | DPHI: | -63  | -57  | -57 | -49 | -42 | -25 | -18 | -7  | 0   | 15  | 15  | 23  | 34  | 39  | 47  | 54  | 64 | 71 | 80 | 87 | 93 | 102 | 111 |     |     |
|        |      |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |     |     |     |     |
| 82     | 8    | 7     | 19   | AZ:  | 189 | 228 | 285 | 315 | 323 | 332 | 342 | 350 | 358 | 6   | 14  | 22  | 30  | 38  | 46 | 54 | 60 | 69 | 78 | 86  | 94  | 102 | 109 |
| R =    | 1.0  | KM;   | OBS: | 3    | 0   | 0   | 4   | 17  | 2   | 0   | 5   | 5   | 0   | 0   | 0   | 0   | 2   | 0   | 2  | 5  | 0  | 0  | 0  | 0   | 5   | 3   |     |
| JDGMT: | -2   | DPHI: | -178 | -139 | -83 | -52 | -44 | -35 | -25 | -18 | -10 | -1  | 7   | 15  | 23  | 31  | 39  | 46  | 53 | 62 | 70 | 78 | 86 | 94  | 102 |     |     |
|        |      | AZ:   | 118  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |     |     |     |     |
|        |      | OBS:  | 0    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |     |     |     |     |
|        |      | DPHI: | 110  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |     |     |     |     |
|        |      |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |     |     |     |     |
| 82     | 8    | 7     | 19   | AZ:  | 289 | 305 | 309 | 313 | 317 | 322 | 325 | 330 | 333 | 338 | 346 | 349 | 354 | 358 | 3  | 6  | 10 | 33 | 54 | 58  | 62  | 66  | 70  |
| R =    | 2.0  | KM;   | OBS: | 0    | 0   | 2   | 2   | 0   | 4   | 0   | 0   | 0   | 3   | 0   | 4   | 0   | 0   | 6   | 0  | 0  | 0  | 0  | 0  | 12  | 4   | 0   | 0   |
| JDGMT: | 3    | DPHI: | -78  | -62  | -59 | -55 | -50 | -46 | -42 | -38 | -34 | -30 | -21 | -18 | -14 | -9  | -5  | -2  | 2  | 26 | 47 | 51 | 54 | 58  | 63  |     |     |
|        |      | AZ:   | 94   | 97   | 102 | 106 | 110 | 114 | 117 |     |     |     |     |     |     |     |     |     |    |    |    |    |    |     |     |     |     |
|        |      | OBS:  | 3    | 0    | 4   | 4   | 0   | 4   | 0   |     |     |     |     |     |     |     |     |     |    |    |    |    |    |     |     |     |     |

|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |     |     |  |  |
|--------------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|-----|-----|--|--|
|              | DPHI: | 87   | 89  | 94  | 98  | 102 | 106 | 110 |     |     |     |     |     |     |    |    |    |    |    |    |    |    |     |     |  |  |
| 82 8 7 19    | AZ:   | 295  | 309 | 318 | 324 | 335 | 341 | 351 | 357 | 5   | 14  | 23  | 30  | 42  | 46 | 54 | 59 | 61 | 70 | 78 | 87 | 94 | 102 | 110 |  |  |
| R = 3.0 KM;  | OBS:  | 35   | 0   | 0   | 0   | 2   | 0   | 0   | 0   | 0   | 4   | 3   | 6   | 0   | 0  | 0  | 0  | 0  | 12 | 0  | 2  | 0  | 0   | 3   |  |  |
| JDGMT: 2     | DPHI: | -73  | -58 | -50 | -43 | -33 | -27 | -16 | -11 | -3  | 7   | 15  | 22  | 35  | 39 | 47 | 51 | 53 | 63 | 71 | 79 | 87 | 95  | 103 |  |  |
|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |     |     |  |  |
| 82 8 7 19    | AZ:   | 294  | 303 | 306 | 310 | 322 | 326 | 329 | 334 | 339 | 342 | 345 | 351 | 353 | 0  | 2  | 7  | 10 | 14 | 14 | 14 | 18 | 22  | 26  |  |  |
| R = 5.0 KM;  | OBS:  | 4    | 14  | 3   | 0   | 12  | 0   | 5   | 6   | 0   | 6   | 0   | 0   | 0   | 6  | 1  | 0  | 0  | 0  | 3  | 1  | 7  | 3   | 4   |  |  |
| JDGMT: 2     | DPHI: | -74  | -65 | -61 | -58 | -45 | -41 | -39 | -34 | -29 | -25 | -22 | -17 | -15 | -7 | -5 | 0  | 2  | 6  | 6  | 7  | 10 | 14  | 19  |  |  |
|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |     |     |  |  |
|              | AZ:   | 30   | 34  | 38  | 39  | 39  | 42  | 46  | 50  | 54  | 58  | 62  | 66  | 70  | 74 | 78 | 82 | 86 | 90 | 95 | 99 |    |     |     |  |  |
|              | OBS:  | 0    | 5   | 0   | 0   | 0   | 2   | 6   | 3   | 0   | 0   | 8   | 15  | 1   | 0  | 0  | 3  | 0  | 7  | 4  | 0  |    |     |     |  |  |
|              | DPHI: | 22   | 27  | 31  | 32  | 32  | 35  | 39  | 42  | 47  | 51  | 55  | 59  | 63  | 67 | 71 | 75 | 79 | 83 | 87 | 91 |    |     |     |  |  |
|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |     |     |  |  |
| 82 8 7 19    | AZ:   | 291  | 297 | 304 | 310 | 316 | 322 | 326 | 333 | 341 | 346 | 353 | 358 | 10  | 17 | 22 | 34 | 40 | 46 | 52 | 62 | 64 | 66  | 70  |  |  |
| R = 7.0 KM;  | OBS:  | 12   | 6   | 8   | 0   | 16  | 13  | 0   | 0   | 11  | 2   | 2   | 5   | 6   | 13 | 4  | 12 | 0  | 7  | 0  | 0  | 3  | 0   | 12  |  |  |
| JDGMT: 2     | DPHI: | -77  | -70 | -64 | -57 | -51 | -45 | -41 | -34 | -27 | -21 | -14 | -9  | 3   | 10 | 14 | 27 | 32 | 38 | 45 | 54 | 57 | 59  | 63  |  |  |
|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |     |     |  |  |
|              | AZ:   | 78   | 83  |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |     |     |  |  |
|              | OBS:  | 0    | 0   |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |     |     |  |  |
|              | DPHI: | 71   | 75  |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |     |     |  |  |
|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |     |     |  |  |
| 82 8 7 19    | AZ:   | 298  | 305 | 310 | 316 | 321 | 328 | 334 | 341 | 346 | 352 | 358 | 4   | 10  | 16 | 23 | 28 | 34 | 41 | 47 | 53 | 58 | 65  | 70  |  |  |
| R = 15.0 KM; | OBS:  | 9    | 17  | 9   | 0   | 0   | 4   | 9   | 6   | 0   | 0   | 0   | 4   | 5   | 0  | 0  | 0  | 23 | 0  | 0  | 5  | 0  | 0   | 1   |  |  |
| JDGMT: 3     | DPHI: | -69  | -63 | -57 | -51 | -46 | -39 | -33 | -27 | -21 | -15 | -9  | -4  | 2   | 8  | 16 | 21 | 27 | 34 | 39 | 45 | 51 | 58  | 63  |  |  |
|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |     |     |  |  |
|              | AZ:   | 76   | 83  | 88  |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |     |     |  |  |
|              | OBS:  | 0    | 1   | 15  |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |     |     |  |  |
|              | DPHI: | 68   | 75  | 80  |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |     |     |  |  |
|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |     |     |  |  |
| 82 8 8 11    | AZ:   | 23   | 54  |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |     |     |  |  |
| R = 0.5 KM;  | OBS:  | 7    | 0   |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |     |     |  |  |
| JDGMT: 0     | DPHI: | -24  | 7   |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |     |     |  |  |
|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |     |     |  |  |
| 82 8 8 11    | AZ:   | 245  | 86  | 94  | 213 |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |     |     |  |  |
| R = 1.0 KM;  | OBS:  | 7    | 8   | 0   | 0   |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |     |     |  |  |
| JDGMT: 0     | DPHI: | -162 | 38  | 47  | 166 |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |     |     |  |  |
|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |     |     |  |  |
| 82 8 8 11    | AZ:   | 33   | 38  | 46  | 54  | 62  | 70  |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |     |     |  |  |
| R = 2.0 KM;  | OBS:  | 9    | 6   | 15  | 18  | 19  | 0   |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |     |     |  |  |
| JDGMT: 2     | DPHI: | -14  | -9  | -1  | 7   | 14  | 23  |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |     |     |  |  |
|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |     |     |  |  |
| 82 8 8 11    | AZ:   | 357  | 5   | 14  | 23  | 59  | 59  | 59  | 59  | 59  | 59  | 59  |     |     |    |    |    |    |    |    |    |    |     |     |  |  |
| R = 3.0 KM;  | OBS:  | 0    | 0   | 5   | 13  | 19  | 15  | 13  | 9   | 51  | 16  | 7   | 22  |     |    |    |    |    |    |    |    |    |     |     |  |  |
| JDGMT: 3     | DPHI: | -50  | -42 | -33 | -25 | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  |     |    |    |    |    |    |    |    |    |     |     |  |  |
|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |     |     |  |  |
| 82 8 8 11    | AZ:   | 353  | 2   | 7   | 10  | 14  | 18  | 22  | 26  | 30  | 32  | 36  | 39  | 39  | 40 | 44 | 48 | 52 | 56 | 56 | 56 | 60 | 64  | 68  |  |  |
| R = 5.0 KM;  | OBS:  | 12   | 0   | 4   | 15  | 2   | 7   | 16  | 7   | 3   | 7   | 4   | 14  | 17  | 17 | 37 | 46 | 46 | 12 | 15 | 14 | 14 | 3   | 0   |  |  |
| JDGMT: 3     | DPHI: | -54  | -45 | -40 | -37 | -33 | -29 | -25 | -21 | -17 | -15 | -11 | -8  | -8  | -7 | -3 | 1  | 5  | 9  | 9  | 9  | 13 | 17  | 21  |  |  |
|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |     |     |  |  |
|              | AZ:   | 76   | 80  | 84  | 88  | 93  | 97  |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |     |     |  |  |
|              | OBS:  | 0    | 0   | 2   | 0   | 0   | 0   |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |     |     |  |  |

|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
|--------------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|--|
|              | DPHI: | 29   | 33  | 37  | 40  | 46  | 50  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
| 82 8 8 11    | AZ:   | 353  | 355 | 357 | 0   | 5   | 6   | 9   | 10  | 12  | 14  | 16  | 17  | 20  | 22  | 24  | 26  | 28  | 29  | 33  | 34  | 36  | 40 | 44 |  |
| R = 7.0 KM;  | OBS:  | 6    | 0   | 0   | 0   | 1   | 0   | 0   | 2   | 5   | 3   | 0   | 2   | 0   | 7   | 0   | 5   | 0   | 2   | 7   | 12  | 11  | 16 | 66 |  |
| JDGMT: 3     | DPHI: | -54  | -52 | -50 | -47 | -43 | -41 | -39 | -37 | -35 | -33 | -31 | -30 | -27 | -25 | -24 | -21 | -19 | -18 | -14 | -13 | -11 | -7 | -3 |  |
|              | AZ:   | 46   | 48  | 52  | 54  | 56  | 58  | 62  | 64  | 66  | 70  | 72  | 74  | 76  | 92  |     |     |     |     |     |     |     |    |    |  |
|              | OBS:  | 73   | 61  | 50  | 64  | 9   | 12  | 0   | 11  | 4   | 0   | 3   | 0   | 0   | 0   |     |     |     |     |     |     |     |    |    |  |
|              | DPHI: | -1   | 1   | 5   | 7   | 9   | 11  | 15  | 17  | 19  | 23  | 25  | 27  | 29  | 45  |     |     |     |     |     |     |     |    |    |  |
| 82 8 8 11    | AZ:   | 352  | 356 | 358 | 360 | 4   | 6   | 9   | 10  | 12  | 14  | 16  | 20  | 22  | 24  | 26  | 27  | 31  | 33  | 34  | 36  | 39  | 41 | 43 |  |
| R = 10.0 KM; | OBS:  | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 2   | 0   | 0   | 0   | 2   | 4   | 9   | 3   | 0   | 1   | 0   | 17 | 23 |  |
| JDGMT: 3     | DPHI: | -55  | -52 | -49 | -47 | -43 | -42 | -38 | -37 | -35 | -33 | -31 | -27 | -25 | -23 | -21 | -20 | -16 | -14 | -13 | -11 | -8  | -6 | -5 |  |
|              | AZ:   | 45   | 47  | 49  | 51  | 53  | 55  | 57  | 58  | 59  | 60  | 63  | 63  | 66  | 68  | 71  | 73  | 74  | 77  | 79  | 80  | 84  | 84 | 86 |  |
|              | OBS:  | 37   | 55  | 31  | 22  | 19  | 18  | 7   | 4   | 0   | 0   | 0   | 1   | 5   | 0   | 6   | 17  | 2   | 0   | 3   | 0   | 0   | 0  | 0  |  |
|              | DPHI: | -2   | 0   | 2   | 4   | 6   | 7   | 10  | 10  | 12  | 13  | 15  | 16  | 19  | 21  | 24  | 26  | 27  | 30  | 32  | 33  | 37  | 37 | 39 |  |
|              | AZ:   | 89   | 91  | 92  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
|              | OBS:  | 3    | 0   | 3   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
|              | DPHI: | 42   | 44  | 45  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
| 82 8 8 11    | AZ:   | 0    | 4   | 8   | 12  | 16  | 21  | 24  | 33  | 34  | 41  | 50  | 53  | 59  | 62  | 65  | 69  | 73  | 76  | 80  | 84  | 88  | 92 | 96 |  |
| R = 15.0 KM; | OBS:  | 0    | 0   | 0   | 0   | 0   | 3   | 0   | 0   | 6   | 11  | 16  | 14  | 12  | 1   | 0   | 15  | 0   | 0   | 2   | 0   | 2   | 0  | 6  |  |
| JDGMT: 3     | DPHI: | -47  | -43 | -39 | -35 | -31 | -26 | -23 | -14 | -13 | -6  | 3   | 5   | 12  | 15  | 18  | 22  | 26  | 29  | 33  | 37  | 41  | 45 | 49 |  |
| 82 8 8 11    | AZ:   | 4    | 12  | 17  | 20  | 25  | 28  | 37  | 57  | 59  | 65  | 69  | 78  | 81  | 84  | 88  |     |     |     |     |     |     |    |    |  |
| R = 20.0 KM; | OBS:  | 5    | 6   | 4   | 0   | 4   | 6   | 2   | 0   | 0   | 0   | 0   | 0   | 2   | 16  | 8   |     |     |     |     |     |     |    |    |  |
| JDGMT: 2     | DPHI: | -43  | -35 | -30 | -27 | -23 | -19 | -10 | 10  | 12  | 18  | 22  | 31  | 33  | 37  | 41  |     |     |     |     |     |     |    |    |  |
| 82 8 8 12    | AZ:   | 23   | 54  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
| R = 0.5 KM;  | OBS:  | 10   | 18  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
| JDGMT: 0     | DPHI: | -29  | 2   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
| 82 8 8 12    | AZ:   | 245  | 86  | 94  | 213 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
| R = 1.0 KM;  | OBS:  | 6    | 7   | 0   | 13  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
| JDGMT: 1     | DPHI: | -167 | 34  | 42  | 161 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
| 82 8 8 12    | AZ:   | 33   | 38  | 46  | 54  | 62  | 70  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
| R = 2.0 KM;  | OBS:  | 11   | 8   | 12  | 32  | 103 | 2   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
| JDGMT: -3    | DPHI: | -18  | -14 | -6  | 2   | 10  | 18  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
| 82 8 8 12    | AZ:   | 357  | 5   | 14  | 23  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 78  |     |     |     |     |     |     |     |     |    |    |  |
| R = 3.0 KM;  | OBS:  | 0    | 0   | 4   | 11  | 128 | 111 | 128 | 154 | 108 | 134 | 116 | 110 | 0   |     |     |     |     |     |     |     |     |    |    |  |
| JDGMT: 3     | DPHI: | -55  | -47 | -38 | -29 | 7   | 7   | 7   | 7   | 7   | 7   | 7   | 7   | 26  |     |     |     |     |     |     |     |     |    |    |  |
| 82 8 8 12    | AZ:   | 353  | 2   | 7   | 10  | 14  | 18  | 22  | 26  | 30  | 32  | 36  | 39  | 39  | 40  | 44  | 48  | 52  | 56  | 56  | 56  | 60  | 64 | 68 |  |
| R = 5.0 KM;  | OBS:  | 0    | 6   | 2   | 11  | 0   | 0   | 1   | 11  | 4   | 5   | 18  | 27  | 22  | 40  | 98  | 116 | 140 | 125 | 118 | 120 | 88  | 27 | 0  |  |
| JDGMT: 3     | DPHI: | -59  | -50 | -45 | -42 | -38 | -34 | -30 | -26 | -22 | -20 | -16 | -13 | -13 | -12 | -8  | -4  | 0   | 4   | 4   | 4   | 8   | 12 | 16 |  |
|              | AZ:   | 72   | 76  | 80  | 84  | 88  | 93  | 97  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
|              | OBS:  | 20   | 0   | 0   | 5   | 0   | 8   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |

|        |      |       |      |       |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------|------|-------|------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|        |      |       |      |       | DPHI: | 20  | 24  | 28  | 32  | 36  | 41  | 45  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 8     | 12   | AZ:   | 353   | 355 | 357 | 0   | 5   | 6   | 9   | 10  | 12  | 14  | 16  | 17  | 20  | 22  | 24  | 26  | 28  | 29  | 33  | 34  | 36  | 38  | 40  |
| R =    | 7.0  | KM;   | OBS: |       | 8     | 6   | 7   | 0   | 1   | 3   | 0   | 0   | 8   | 0   | 0   | 0   | 6   | 4   | 4   | 0   | 12  | 3   | 18  | 27  | 26  | 55  |     |
| JDGMT: | 3    | DPHI: |      |       | -59   | -57 | -55 | -52 | -47 | -46 | -43 | -42 | -40 | -38 | -36 | -35 | -32 | -30 | -28 | -26 | -24 | -23 | -19 | -18 | -16 | -14 | -12 |
|        |      |       |      | AZ:   | 44    | 46  | 48  | 52  | 54  | 56  | 58  | 62  | 64  | 66  | 70  | 72  | 74  | 78  | 80  | 83  | 84  | 85  | 92  |     |     |     |     |
|        |      |       |      | OBS:  | 145   | 155 | 142 | 149 | 106 | 50  | 47  | 0   | 36  | 4   | 0   | 0   | 3   | 0   | 0   | 5   | 0   | 7   | 0   |     |     |     |     |
|        |      |       |      | DPHI: | -8    | -6  | -4  | 0   | 2   | 4   | 6   | 10  | 12  | 14  | 18  | 20  | 22  | 26  | 28  | 31  | 32  | 33  | 40  |     |     |     |     |
| 82     | 8    | 8     | 12   | AZ:   | 352   | 356 | 358 | 360 | 4   | 6   | 9   | 10  | 14  | 16  | 19  | 20  | 22  | 24  | 26  | 27  | 31  | 33  | 34  | 36  | 39  | 41  | 43  |
| R =    | 10.0 | KM;   | OBS: |       | 2     | 0   | 0   | 0   | 0   | 5   | 0   | 0   | 0   | 0   | 4   | 2   | 0   | 2   | 6   | 0   | 0   | 8   | 2   | 0   | 24  | 24  | 90  |
| JDGMT: | 3    | DPHI: |      |       | -60   | -56 | -54 | -52 | -48 | -46 | -43 | -42 | -38 | -36 | -33 | -32 | -30 | -28 | -26 | -25 | -21 | -19 | -18 | -16 | -13 | -10 | -9  |
|        |      |       |      | AZ:   | 45    | 47  | 49  | 51  | 53  | 55  | 57  | 58  | 59  | 60  | 63  | 63  | 66  | 68  | 73  | 74  | 77  | 79  | 80  | 84  | 84  | 86  | 89  |
|        |      |       |      | OBS:  | 185   | 61  | 163 | 163 | 124 | 54  | 63  | 17  | 0   | 4   | 4   | 9   | 0   | 0   | 5   | 0   | 0   | 4   | 7   | 0   | 0   | 2   | 4   |
|        |      |       |      | DPHI: | -7    | -5  | -3  | -1  | 1   | 3   | 5   | 6   | 7   | 8   | 11  | 11  | 14  | 16  | 21  | 22  | 25  | 27  | 28  | 32  | 33  | 34  | 37  |
|        |      |       |      | AZ:   | 91    | 92  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      | OBS:  | 2     | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      | DPHI: | 39    | 40  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 8     | 12   | AZ:   | 0     | 4   | 8   | 12  | 16  | 24  | 33  | 34  | 41  | 50  | 53  | 59  | 62  | 65  | 69  | 73  | 76  | 80  | 84  | 88  | 92  | 96  |     |
| R =    | 15.0 | KM;   | OBS: |       | 1     | 0   | 7   | 0   | 0   | 0   | 7   | 0   | 34  | 56  | 9   | 3   | 3   | 2   | 26  | 0   | 0   | 0   | 0   | 0   | 0   | 14  |     |
| JDGMT: | 3    | DPHI: |      |       | -52   | -48 | -44 | -40 | -36 | -28 | -19 | -18 | -11 | -2  | 1   | 7   | 10  | 13  | 17  | 21  | 24  | 28  | 32  | 36  | 40  | 44  |     |
| 82     | 8    | 8     | 12   | AZ:   | 359   | 4   | 12  | 17  | 20  | 25  | 28  | 34  | 37  | 57  | 59  | 65  | 69  | 78  | 81  | 84  | 88  | 92  | 96  |     |     |     |     |
| R =    | 20.0 | KM;   | OBS: |       | 11    | 2   | 17  | 0   | 2   | 0   | 7   | 3   | 7   | 0   | 2   | 1   | 0   | 15  | 0   | 12  | 4   | 0   | 17  |     |     |     |     |
| JDGMT: | 2    | DPHI: |      |       | -52   | -48 | -39 | -35 | -31 | -27 | -24 | -18 | -15 | 5   | 7   | 13  | 17  | 26  | 29  | 32  | 36  | 40  | 44  |     |     |     |     |
| 82     | 8    | 8     | 13   | AZ:   | 23    | 54  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R =    | 0.5  | KM;   | OBS: |       | 5     | 3   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: | 0    | DPHI: |      |       | -23   | 8   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 8     | 13   | AZ:   | 245   | 86  | 94  | 213 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R =    | 1.0  | KM;   | OBS: |       | 9     | 3   | 2   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: | 1    | DPHI: |      |       | -160  | 40  | 48  | 167 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 8     | 13   | AZ:   | 33    | 38  | 46  | 54  | 62  | 70  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R =    | 2.0  | KM;   | OBS: |       | 50    | 33  | 21  | 0   | 14  | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: | 1    | DPHI: |      |       | -12   | -7  | 0   | 9   | 16  | 25  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 8     | 13   | AZ:   | 357   | 5   | 14  | 23  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 78  |     |     |     |     |     |     |     |     |     |     |
| R =    | 3.0  | KM;   | OBS: |       | 0     | 3   | 4   | 5   | 12  | 14  | 20  | 13  | 20  | 11  | 7   | 9   | 5   |     |     |     |     |     |     |     |     |     |     |
| JDGMT: | 3    | DPHI: |      |       | -49   | -41 | -31 | -23 | 13  | 14  | 14  | 14  | 14  | 14  | 14  | 33  |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 8     | 13   | AZ:   | 353   | 2   | 7   | 10  | 14  | 18  | 22  | 26  | 30  | 32  | 36  | 39  | 39  | 40  | 44  | 48  | 52  | 56  | 56  | 56  | 60  | 64  | 68  |
| R =    | 5.0  | KM;   | OBS: |       | 14    | 5   | 9   | 0   | 0   | 2   | 3   | 12  | 29  | 19  | 79  | 131 | 164 | 157 | 133 | 130 | 80  | 49  | 36  | 35  | 31  | 12  | 0   |
| JDGMT: | 3    | DPHI: |      |       | -53   | -43 | -38 | -36 | -31 | -28 | -24 | -19 | -16 | -13 | -9  | -6  | -6  | -5  | -2  | 3   | 6   | 11  | 11  | 11  | 15  | 19  | 23  |
|        |      |       |      | AZ:   | 72    | 76  | 80  | 84  | 88  | 97  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       |      | OBS:  | 4     | 7   | 2   | 0   | 5   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |

|              |   |   |    |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |
|--------------|---|---|----|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|
|              |   |   |    | DPHI: | 27   | 31  | 35  | 39  | 42  | 51  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |
| 82           | 8 | 8 | 13 | AZ:   | 353  | 355 | 357 | 0   | 5   | 6   | 9   | 10  | 12  | 14  | 16  | 17  | 20  | 22  | 24  | 26  | 28  | 29  | 33  | 34  | 36  | 38 | 40  |
| R = 7.0 KM;  |   |   |    | OBS:  | 9    | 0   | 6   | 0   | 18  | 1   | 1   | 0   | 0   | 0   | 0   | 3   | 16  | 5   | 0   | 3   | 0   | 3   | 46  | 57  | 79  | 82 | 118 |
| JDGMT: 3     |   |   |    | DPHI: | -52  | -50 | -48 | -45 | -41 | -39 | -37 | -35 | -33 | -31 | -30 | -28 | -26 | -24 | -22 | -19 | -17 | -16 | -13 | -11 | -10 | -8 | -6  |
|              |   |   |    | AZ:   | 44   | 46  | 48  | 49  | 52  | 54  | 56  | 58  | 62  | 64  | 66  | 70  | 72  | 74  | 76  | 78  | 80  | 83  | 84  | 85  | 92  |    |     |
|              |   |   |    | OBS:  | 226  | 237 | 189 | 129 | 109 | 100 | 116 | 77  | 15  | 4   | 0   | 3   | 2   | 3   | 5   | 2   | 0   | 11  | 0   | 2   | 2   |    |     |
|              |   |   |    | DPHI: | -1   | 0   | 2   | 4   | 7   | 9   | 11  | 13  | 16  | 19  | 21  | 25  | 27  | 29  | 31  | 33  | 35  | 37  | 39  | 39  | 47  |    |     |
| 82           | 8 | 8 | 13 | AZ:   | 352  | 356 | 358 | 360 | 4   | 6   | 9   | 10  | 12  | 14  | 16  | 19  | 20  | 22  | 24  | 26  | 27  | 31  | 33  | 34  | 36  | 39 | 41  |
| R = 10.0 KM; |   |   |    | OBS:  | 13   | 0   | 0   | 2   | 6   | 17  | 3   | 0   | 0   | 2   | 1   | 14  | 3   | 17  | 0   | 6   | 12  | 4   | 2   | 3   | 38  | 52 | 32  |
| JDGMT: 3     |   |   |    | DPHI: | -53  | -50 | -47 | -46 | -41 | -40 | -37 | -36 | -33 | -31 | -29 | -27 | -25 | -24 | -21 | -19 | -18 | -15 | -13 | -12 | -9  | -6 | -4  |
|              |   |   |    | AZ:   | 43   | 45  | 47  | 49  | 51  | 53  | 55  | 57  | 58  | 59  | 60  | 63  | 63  | 66  | 68  | 71  | 73  | 74  | 77  | 79  | 80  | 84 | 84  |
|              |   |   |    | OBS:  | 26   | 64  | 121 | 155 | 132 | 151 | 114 | 104 | 18  | 0   | 20  | 0   | 0   | 0   | 1   | 3   | 22  | 0   | 9   | 0   | 0   | 0  | 6   |
|              |   |   |    | DPHI: | -3   | 0   | 1   | 3   | 5   | 7   | 9   | 11  | 12  | 13  | 15  | 17  | 18  | 21  | 23  | 25  | 27  | 29  | 31  | 33  | 35  | 38 | 39  |
|              |   |   |    | AZ:   | 86   | 89  | 91  | 92  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |
|              |   |   |    | OBS:  | 0    | 2   | 2   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |
|              |   |   |    | DPHI: | 40   | 43  | 45  | 46  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |
| 82           | 8 | 8 | 13 | AZ:   | 0    | 4   | 8   | 12  | 16  | 21  | 24  | 33  | 34  | 41  | 50  | 53  | 59  | 62  | 65  | 69  | 73  | 76  | 80  | 84  | 88  | 92 | 96  |
| R = 15.0 KM; |   |   |    | OBS:  | 12   | 14  | 3   | 0   | 12  | 0   | 0   | 4   | 9   | 25  | 147 | 86  | 4   | 0   | 0   | 7   | 0   | 0   | 0   | 0   | 2   | 3  | 9   |
| JDGMT: 3     |   |   |    | DPHI: | -45  | -42 | -38 | -33 | -30 | -25 | -22 | -12 | -11 | -4  | 5   | 7   | 14  | 17  | 20  | 23  | 28  | 30  | 34  | 39  | 42  | 47 | 50  |
| 82           | 8 | 8 | 13 | AZ:   | 359  | 4   | 10  | 12  | 17  | 20  | 25  | 28  | 34  | 37  | 41  | 45  | 57  | 59  | 65  | 69  | 70  | 78  | 81  | 84  | 88  | 92 | 96  |
| R = 20.0 KM; |   |   |    | OBS:  | 0    | 22  | 0   | 0   | 0   | 0   | 0   | 17  | 2   | 6   | 19  | 69  | 0   | 5   | 0   | 2   | 8   | 0   | 0   | 23  | 4   | 0  | 4   |
| JDGMT: 3     |   |   |    | DPHI: | -46  | -41 | -36 | -33 | -28 | -25 | -21 | -17 | -12 | -9  | -4  | 0   | 12  | 14  | 19  | 24  | 24  | 33  | 35  | 39  | 43  | 47 | 51  |
| 82           | 8 | 8 | 14 | AZ:   | 23   | 54  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |
| R = 0.5 KM;  |   |   |    | OBS:  | 4    | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |
| JDGMT: 0     |   |   |    | DPHI: | -11  | 20  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |
| 82           | 8 | 8 | 14 | AZ:   | 245  | 86  | 94  | 213 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |
| R = 1.0 KM;  |   |   |    | OBS:  | 3    | 0   | 3   | 17  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |
| JDGMT: 1     |   |   |    | DPHI: | -149 | 51  | 60  | 178 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |
| 82           | 8 | 8 | 14 | AZ:   | 33   | 38  | 46  | 54  | 62  | 70  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |
| R = 2.0 KM;  |   |   |    | OBS:  | 63   | 48  | 19  | 0   | 0   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |
| JDGMT: 1     |   |   |    | DPHI: | -1   | 4   | 12  | 20  | 27  | 36  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |
| 82           | 8 | 8 | 14 | AZ:   | 357  | 5   | 14  | 23  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 78  |     |     |     |     |     |     |     |     |    |     |
| R = 3.0 KM;  |   |   |    | OBS:  | 10   | 0   | 0   | 23  | 7   | 6   | 3   | 0   | 6   | 5   | 15  | 0   | 2   |     |     |     |     |     |     |     |     |    |     |
| JDGMT: 2     |   |   |    | DPHI: | -38  | -29 | -20 | -12 | 24  | 25  | 25  | 25  | 25  | 25  | 25  | 25  | 44  |     |     |     |     |     |     |     |     |    |     |
| 82           | 8 | 8 | 14 | AZ:   | 353  | 2   | 7   | 10  | 14  | 18  | 22  | 26  | 30  | 32  | 36  | 39  | 39  | 40  | 44  | 48  | 52  | 56  | 56  | 56  | 60  | 64 | 68  |
| R = 5.0 KM;  |   |   |    | OBS:  | 3    | 15  | 2   | 0   | 0   | 7   | 22  | 112 | 192 | 180 | 131 | 9   | 73  | 59  | 19  | 3   | 0   | 0   | 5   | 0   | 6   | 0  | 0   |
| JDGMT: 3     |   |   |    | DPHI: | -42  | -32 | -27 | -24 | -20 | -16 | -13 | -8  | -4  | -2  | 2   | 5   | 5   | 6   | 10  | 14  | 18  | 22  | 22  | 22  | 26  | 30 | 34  |
|              |   |   |    | AZ:   | 72   | 76  | 80  | 84  | 88  | 93  | 97  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |
|              |   |   |    | OBS:  | 7    | 0   | 4   | 9   | 0   | 5   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |

|        |       |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |
|--------|-------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|----|----|----|
|        | DPHI: | 38    | 42   | 46  | 50  | 53  | 59  | 63  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |
| 82     | 8     | 8     | 14   | AZ: | 353 | 355 | 357 | 0   | 5   | 6   | 9   | 10  | 12  | 14  | 16  | 17  | 20  | 22  | 24  | 26  | 28  | 29  | 33 | 34  | 36 | 38 | 40 |
| R =    | 7.0   | KM;   | OBS: | 5   | 0   | 0   | 3   | 3   | 0   | 0   | 4   | 8   | 17  | 4   | 17  | 19  | 65  | 91  | 112 | 121 | 204 | 204 | 18 | 212 | 89 | 16 |    |
| JDGMT: | 3     | DPHI: | -41  | -39 | -37 | -34 | -30 | -28 | -26 | -24 | -22 | -20 | -18 | -17 | -14 | -12 | -11 | -8  | -6  | -5  | -1  | 0   | 2  | 4   | 6  |    |    |
|        | AZ:   | 44    | 46   | 48  | 49  | 52  | 54  | 56  | 58  | 62  | 64  | 66  | 70  | 72  | 74  | 76  | 78  | 80  | 83  | 84  | 85  | 92  |    |     |    |    |    |
|        | OBS:  | 8     | 4    | 17  | 0   | 0   | 25  | 0   | 4   | 2   | 12  | 0   | 0   | 6   | 0   | 0   | 7   | 0   | 7   | 0   | 2   | 0   |    |     |    |    |    |
|        | DPHI: | 10    | 12   | 14  | 15  | 18  | 20  | 22  | 24  | 28  | 30  | 32  | 36  | 38  | 40  | 42  | 44  | 46  | 48  | 50  | 51  | 58  |    |     |    |    |    |
| 82     | 8     | 8     | 14   | AZ: | 352 | 356 | 358 | 360 | 4   | 6   | 9   | 10  | 12  | 14  | 19  | 20  | 22  | 24  | 26  | 27  | 31  | 33  | 34 | 39  | 41 | 43 | 45 |
| R =    | 10.0  | KM;   | OBS: | 0   | 11  | 0   | 5   | 4   | 0   | 5   | 24  | 0   | 5   | 0   | 0   | 37  | 71  | 125 | 32  | 85  | 79  | 49  | 97 | 44  | 15 | 8  |    |
| JDGMT: | 3     | DPHI: | -42  | -39 | -36 | -34 | -30 | -29 | -25 | -24 | -22 | -20 | -16 | -14 | -12 | -10 | -8  | -7  | -4  | -2  | 0   | 5   | 7  | 8   | 11 |    |    |
|        | AZ:   | 47    | 49   | 51  | 53  | 55  | 57  | 58  | 59  | 60  | 63  | 63  | 66  | 68  | 71  | 73  | 74  | 77  | 79  | 80  | 84  | 84  | 86 | 89  |    |    |    |
|        | OBS:  | 9     | 0    | 0   | 0   | 4   | 2   | 4   | 0   | 17  | 2   | 0   | 0   | 0   | 9   | 5   | 0   | 0   | 0   | 5   | 0   | 10  | 0  | 0   |    |    |    |
|        | DPHI: | 12    | 14   | 17  | 19  | 20  | 23  | 23  | 25  | 26  | 28  | 29  | 32  | 34  | 37  | 38  | 40  | 43  | 45  | 46  | 49  | 50  | 51 | 54  |    |    |    |
|        | AZ:   | 91    | 92   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |
|        | OBS:  | 2     | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |
|        | DPHI: | 56    | 58   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |
| 82     | 8     | 8     | 14   | AZ: | 0   | 4   | 8   | 12  | 16  | 21  | 24  | 33  | 34  | 41  | 50  | 53  | 59  | 62  | 65  | 69  | 73  | 76  | 80 | 84  | 88 | 92 | 96 |
| R =    | 15.0  | KM;   | OBS: | 0   | 47  | 26  | 2   | 2   | 8   | 18  | 92  | 86  | 82  | 3   | 0   | 0   | 0   | 0   | 5   | 5   | 9   | 2   | 0  | 0   | 10 | 0  |    |
| JDGMT: | 3     | DPHI: | -34  | -30 | -26 | -22 | -18 | -13 | -10 | -1  | 0   | 7   | 16  | 18  | 25  | 28  | 31  | 35  | 39  | 42  | 45  | 50  | 54 | 58  | 62 |    |    |
| 82     | 8     | 8     | 14   | AZ: | 359 | 4   | 10  | 12  | 17  | 20  | 25  | 28  | 31  | 34  | 37  | 41  | 45  | 52  | 57  | 59  | 65  | 69  | 70 | 78  | 81 | 84 | 88 |
| R =    | 20.0  | KM;   | OBS: | 3   | 4   | 0   | 0   | 0   | 0   | 8   | 39  | 65  | 89  | 72  | 20  | 9   | 12  | 0   | 17  | 0   | 0   | 5   | 5  | 13  | 8  | 0  |    |
| JDGMT: | 3     | DPHI: | -35  | -30 | -24 | -22 | -17 | -14 | -10 | -6  | -4  | -1  | 3   | 7   | 11  | 18  | 23  | 25  | 31  | 35  | 36  | 44  | 46 | 50  | 54 |    |    |
|        | AZ:   | 92    | 96   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |
|        | OBS:  | 0     | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |
|        | DPHI: | 58    | 62   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |
| 82     | 8     | 8     | 15   | AZ: | 23  | 54  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |
| R =    | 0.5   | KM;   | OBS: | 0   | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |
| JDGMT: | 0     | DPHI: | -13  | 18  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |
| 82     | 8     | 8     | 15   | AZ: | 86  | 94  | 213 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |
| R =    | 1.0   | KM;   | OBS: | 0   | 0   | 2   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |
| JDGMT: | 0     | DPHI: | 49   | 58  | 177 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |
| 82     | 8     | 8     | 15   | AZ: | 33  | 38  | 46  | 54  | 62  | 70  |     |     |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |
| R =    | 2.0   | KM;   | OBS: | 34  | 36  | 44  | 7   | 3   | 3   |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |
| JDGMT: | 3     | DPHI: | -3   | 2   | 10  | 18  | 25  | 34  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |
| 82     | 8     | 8     | 15   | AZ: | 357 | 5   | 23  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 78  |     |     |     |     |     |     |    |     |    |    |    |
| R =    | 3.0   | KM;   | OBS: | 0   | 52  | 122 | 5   | 0   | 0   | 0   | 0   | 4   | 3   | 0   | 0   |     |     |     |     |     |     |     |    |     |    |    |    |
| JDGMT: | 3     | DPHI: | -39  | -31 | -13 | 23  | 23  | 23  | 23  | 23  | 23  | 23  | 23  | 23  | 42  |     |     |     |     |     |     |     |    |     |    |    |    |
| 82     | 8     | 8     | 15   | AZ: | 353 | 2   | 7   | 10  | 14  | 18  | 22  | 26  | 30  | 32  | 36  | 39  | 39  | 40  | 44  | 48  | 52  | 56  | 56 | 56  | 60 | 64 | 68 |
| R =    | 5.0   | KM;   | OBS: | 3   | 7   | 4   | 0   | 1   | 5   | 28  | 16  | 46  | 85  | 153 | 146 | 141 | 130 | 65  | 32  | 33  | 0   | 0   | 1  | 5   | 5  | 0  |    |

|              |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |
|--------------|------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|--|
| JDGMT:       | 3    | DPHI: | -43  | -34 | -29 | -26 | -22 | -18 | -14 | -10 | -6  | -4  | 0   | 3   | 3   | 4   | 8   | 12  | 16  | 20  | 20  | 20  | 24  | 28  | 32 |  |
|              |      | AZ:   | 72   | 76  | 80  | 84  | 88  | 93  | 97  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |
|              |      | OBS:  | 3    | 0   | 0   | 4   | 0   | 2   | 2   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |
|              |      | DPHI: | 36   | 40  | 44  | 48  | 51  | 57  | 61  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |
|              |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |
| 82 8 8 15    | AZ:  | 353   | 355  | 357 | 0   | 5   | 6   | 9   | 10  | 12  | 14  | 16  | 17  | 20  | 22  | 24  | 26  | 28  | 29  | 33  | 34  | 36  | 38  | 40  |    |  |
| R = 7.0 KM;  | OBS: | 4     | 0    | 4   | 2   | 8   | 0   | 0   | 0   | 19  | 0   | 2   | 6   | 8   | 25  | 41  | 63  | 101 | 112 | 69  | 145 | 146 | 164 | 150 |    |  |
| JDGMT:       | 3    | DPHI: | -43  | -41 | -39 | -36 | -32 | -30 | -28 | -26 | -24 | -22 | -20 | -19 | -16 | -14 | -13 | -10 | -8  | -7  | -3  | -2  | 0   | 2   | 4  |  |
|              |      | AZ:   | 44   | 46  | 48  | 49  | 52  | 56  | 58  | 62  | 64  | 66  | 70  | 72  | 74  | 76  | 78  | 80  | 83  | 84  | 85  | 92  |     |     |    |  |
|              |      | OBS:  | 54   | 27  | 23  | 7   | 6   | 10  | 7   | 0   | 18  | 0   | 5   | 1   | 3   | 0   | 17  | 3   | 4   | 0   | 5   | 0   |     |     |    |  |
|              |      | DPHI: | 8    | 10  | 12  | 13  | 16  | 20  | 22  | 26  | 28  | 30  | 34  | 36  | 38  | 40  | 42  | 44  | 47  | 48  | 49  | 56  |     |     |    |  |
|              |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |
| 82 8 8 15    | AZ:  | 352   | 356  | 358 | 360 | 4   | 6   | 9   | 10  | 12  | 14  | 19  | 20  | 22  | 24  | 26  | 27  | 31  | 33  | 34  | 36  | 39  | 41  | 43  |    |  |
| R = 10.0 KM; | OBS: | 0     | 5    | 0   | 0   | 0   | 4   | 10  | 0   | 0   | 0   | 0   | 0   | 37  | 39  | 49  | 66  | 181 | 177 | 194 | 159 | 105 | 59  | 25  |    |  |
| JDGMT:       | 3    | DPHI: | -44  | -41 | -38 | -36 | -32 | -31 | -27 | -26 | -24 | -22 | -18 | -16 | -14 | -12 | -10 | -9  | -5  | -3  | -2  | 0   | 3   | 5   | 6  |  |
|              |      | AZ:   | 45   | 47  | 49  | 51  | 53  | 55  | 57  | 58  | 59  | 60  | 63  | 63  | 66  | 68  | 71  | 73  | 74  | 77  | 79  | 80  | 84  | 84  | 86 |  |
|              |      | OBS:  | 14   | 8   | 4   | 0   | 0   | 0   | 0   | 0   | 4   | 5   | 4   | 0   | 0   | 0   | 15  | 2   | 3   | 4   | 16  | 0   | 0   | 0   |    |  |
|              |      | DPHI: | 9    | 11  | 13  | 15  | 17  | 18  | 21  | 21  | 23  | 24  | 27  | 27  | 30  | 32  | 35  | 37  | 38  | 41  | 43  | 44  | 48  | 48  | 50 |  |
|              |      | AZ:   | 89   | 91  | 92  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |
|              |      | OBS:  | 2    | 2   | 2   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |
|              |      | DPHI: | 53   | 55  | 56  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |
|              |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |
| 82 8 8 15    | AZ:  | 0     | 4    | 8   | 12  | 16  | 24  | 33  | 34  | 41  | 50  | 53  | 59  | 62  | 65  | 69  | 73  | 76  | 80  | 84  | 88  | 92  | 96  |     |    |  |
| R = 15.0 KM; | OBS: | 7     | 2    | 0   | 0   | 2   | 19  | 90  | 121 | 46  | 3   | 2   | 3   | 7   | 0   | 5   | 5   | 4   | 2   | 10  | 20  | 10  | 4   |     |    |  |
| JDGMT:       | 3    | DPHI: | -36  | -32 | -28 | -24 | -20 | -12 | -3  | -2  | 5   | 14  | 17  | 23  | 26  | 29  | 33  | 37  | 40  | 44  | 48  | 52  | 56  | 60  |    |  |
|              |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |
| 82 8 8 15    | AZ:  | 359   | 4    | 10  | 12  | 17  | 20  | 25  | 28  | 31  | 34  | 37  | 41  | 45  | 52  | 57  | 59  | 65  | 69  | 70  | 78  | 81  | 84  | 88  |    |  |
| R = 20.0 KM; | OBS: | 1     | 4    | 5   | 1   | 0   | 10  | 20  | 42  | 58  | 87  | 80  | 19  | 8   | 5   | 0   | 3   | 3   | 0   | 0   | 0   | 3   | 0   | 5   |    |  |
| JDGMT:       | 3    | DPHI: | -37  | -32 | -26 | -24 | -19 | -16 | -12 | -8  | -5  | -2  | 1   | 5   | 9   | 16  | 21  | 23  | 29  | 33  | 34  | 42  | 44  | 48  | 52 |  |
|              |      | AZ:   | 92   | 96  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |
|              |      | OBS:  | 0    | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |
|              |      | DPHI: | 56   | 60  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |
|              |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |
| 82 8 8 16    | AZ:  | 23    | 54   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |
| R = 0.5 KM;  | OBS: | 4     | 7    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |
| JDGMT:       | 0    | DPHI: | -13  | 19  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |
|              |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |
| 82 8 8 16    | AZ:  | 245   | 86   | 94  | 213 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |
| R = 1.0 KM;  | OBS: | 0     | 12   | 0   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |
| JDGMT:       | 0    | DPHI: | -150 | 50  | 58  | 177 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |
|              |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |
| 82 8 8 16    | AZ:  | 33    | 38   | 46  | 54  | 62  | 70  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |
| R = 2.0 KM;  | OBS: | 58    | 18   | 9   | 21  | 22  | 16  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |
| JDGMT:       | 2    | DPHI: | -2   | 3   | 11  | 19  | 26  | 35  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |
|              |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |
| 82 8 8 16    | AZ:  | 357   | 5    | 14  | 23  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 78  |     |     |     |     |     |     |     |     |     |     |     |    |  |
| R = 3.0 KM;  | OBS: | 15    | 7    | 0   | 18  | 5   | 1   | 4   | 0   | 10  | 9   | 2   | 3   | 3   |     |     |     |     |     |     |     |     |     |     |    |  |

```

JDGMT:  2  DPHI: -39 -30 -21 -13  23  24  24  24  24  24  24  24  43
      82 8 8 16 AZ: 353  2  7  10  14  18  22  26  30  32  36  39  39  40  44  48  52  56  56  56  60  64  68
R = 5.0 KM; OBS:  1  2  10  2  0  3  9  90  79  111  124  117  105  104  116  29  12  4  5  8  4  0  0
JDGMT:  3  DPHI: -43 -33 -28 -26 -21 -17 -14 -9 -5 -3  1  4  4  5  9  13  17  21  21  21  25  29  33
      AZ:  72  76  80  84  88  93  97
      OBS:  6  5  3  3  0  11  2
      DPHI: 37  41  45  49  52  57  61
      82 8 8 16 AZ: 353 355 357  0  5  6  9  10  12  14  16  17  20  22  24  26  28  29  33  34  36  38  40
R = 7.0 KM; OBS:  3  0  3  2  3  2  0  0  2  5  0  70  0  8  9  50  55  90  152  152  168  139  107
JDGMT:  3  DPHI: -42 -40 -38 -35 -31 -29 -27 -25 -23 -21 -20 -18 -16 -13 -12 -9 -7 -6 -3 -1  1  3  4
      AZ:  44  46  48  49  52  54  56  58  62  64  66  70  72  74  76  78  80  83  84  85  92
      OBS: 100  31  20  15  0  3  0  2  2  4  0  0  2  3  0  4  0  5  0  2  2
      DPHI:  9  10  13  14  17  19  21  23  26  29  31  35  37  39  41  43  45  47  49  50  57
      82 8 8 16 AZ: 352 356 358 360  4  6  9  10  12  14  19  20  22  24  26  27  31  33  34  36  39  41  43
R = 10.0 KM; OBS: 11  2 200  1  0  0  4  0  0  0  0  5  6  5  66  53  93  115  109  165  137  92  74
JDGMT:  2  DPHI: -43 -40 -37 -35 -31 -30 -26 -25 -23 -21 -17 -15 -13 -11 -9 -8 -5 -3 -1  1  4  6  7
      AZ:  45  47  49  51  53  55  57  58  59  60  63  63  66  68  71  73  74  77  79  80  84  84  86
      OBS:  41  39  22  6  7  0  0  0  0  0  4  2  0  0  0  10  0  0  3  5  2  0  0
      DPHI: 10  11  13  16  18  19  21  22  23  25  27  28  31  33  35  37  39  42  44  45  48  49  50
      AZ:  89  91  92
      OBS:  0  3  0
      DPHI: 53  55  57
      82 8 8 16 AZ:  0  4  8  12  16  24  33  34  41  50  53  59  62  65  69  73  76  80  84  88  92  96
R = 15.0 KM; OBS:  0  0  0  0  0  3  77  92  52  5  0  6  0  4  0  0  16  0  3  2  0  7
JDGMT:  2  DPHI: -35 -31 -27 -23 -20 -11 -2 -1  6  15  17  24  27  30  33  38  41  44  49  53  57  61
      82 8 8 16 AZ: 359  4  10  12  17  20  25  28  31  34  37  41  45  52  57  59  65  69  70  78  81  84  88
R = 20.0 KM; OBS:  3  3  12  0  0  2  8  55  24  75  97  33  10  7  2  0  0  4  0  0  0  3  0
JDGMT:  3  DPHI: -36 -31 -26 -23 -18 -15 -11 -7 -5 -2  1  6  10  17  22  24  30  34  34  43  45  49  53
      AZ:  92  96
      OBS:  0  0
      DPHI: 57  61
      82 8 8 17 AZ:  54
R = 0.5 KM; OBS:  0
JDGMT:  0  DPHI:  5
      82 8 8 17 AZ: 245  86  94 213
R = 1.0 KM; OBS:  0  3  4  0
JDGMT:  0  DPHI: -163 37  45 164
      82 8 8 17 AZ:  33  38  46  54  62  70
R = 2.0 KM; OBS:  4  0  3  9  0  0

```



```

JDGMT: 1  DPHI: -15 -10 -3 5 13 21

82 8 8 17 AZ: 357 5 14 23 59 59 59 59 59 59 59 59 59 78
R = 3.0 KM; OBS: 0 0 0 4 9 6 59 5 7 8 5 17 5
JDGMT: 3  DPHI: -52 -44 -35 -26 10 10 10 10 10 10 10 10 10 30

82 8 8 17 AZ: 353 2 7 10 18 22 26 30 32 36 39 39 40 44 48 56 56 56 60 64 68 72 76
R = 5.0 KM; OBS: 74 5 7 0 0 2 17 0 0 15 6 26 7 23 14 11 12 13 14 0 3 2 14
JDGMT: 2  DPHI: -56 -47 -42 -39 -31 -27 -22 -19 -17 -13 -10 -10 -9 -5 -1 8 8 8 12 16 20 24 28

      AZ: 80 84 88 93 97
      OBS: 11 3 2 32 30
      DPHI: 32 35 39 44 48

82 8 8 17 AZ: 353 355 357 0 5 6 9 10 12 14 16 17 20 22 24 26 28 29 33 34 36 38 40
R = 7.0 KM; OBS: 22 0 14 4 6 0 3 0 0 0 3 3 0 0 0 2 9 9 7 33 34 21 14
JDGMT: 3  DPHI: -56 -54 -51 -48 -44 -43 -40 -39 -37 -35 -33 -31 -29 -27 -25 -22 -20 -20 -16 -14 -13 -11 -9

      AZ: 44 46 48 49 52 54 56 58 62 64 66 70 72 74 76 78 80 83 84 85 92
      OBS: 0 57 88 66 44 54 60 36 6 14 0 3 3 0 0 2 14 0 8 9
      DPHI: -4 -3 -1 0 3 5 7 9 13 15 17 22 24 25 27 29 31 34 36 36 43

82 8 8 17 AZ: 352 356 358 360 4 6 9 10 12 14 19 20 22 24 26 27 31 33 34 36 39 41 43
R = 10.0 KM; OBS: 0 0 0 0 0 0 12 2 2 0 0 0 13 0 5 9 0 7 12 45 69 48 59
JDGMT: 3  DPHI: -57 -53 -50 -49 -44 -43 -40 -39 -36 -35 -30 -29 -27 -25 -22 -21 -18 -16 -15 -13 -9 -7 -6

      AZ: 45 47 49 51 53 55 57 58 59 60 63 63 66 68 71 73 74 77 79 80 84 84 86
      OBS: 57 31 15 45 38 24 45 34 23 24 16 6 0 3 0 2 0 12 0 0 0 1 0
      DPHI: -4 -2 0 2 4 6 8 9 10 11 14 14 18 19 22 24 26 28 30 32 35 36 37

      AZ: 89 91 92
      OBS: 5 0 14
      DPHI: 40 42 43

82 8 8 17 AZ: 0 4 8 12 16 24 33 34 41 50 53 59 62 65 69 73 76 80 84 88 92 96
R = 15.0 KM; OBS: 3 0 0 0 0 8 4 8 56 16 16 21 7 9 9 4 0 5 0 8 23 41
JDGMT: 3  DPHI: -49 -45 -41 -36 -33 -25 -16 -15 -8 1 4 11 13 16 20 24 27 31 36 39 43 47

82 8 8 17 AZ: 359 4 10 12 17 20 25 28 31 34 37 41 45 52 57 59 65 69 70 78 81 84 88
R = 20.0 KM; OBS: 0 4 0 0 0 0 26 7 28 18 20 24 14 14 2 0 0 6 0 4 3 11 10
JDGMT: 2  DPHI: -49 -45 -39 -36 -32 -28 -24 -20 -18 -15 -12 -8 -4 3 9 10 16 21 21 30 32 36 39

      AZ: 92 96
      OBS: 1 4
      DPHI: 43 48

82 8 8 18 AZ: 23 54
R = 0.5 KM; OBS: 0 10
JDGMT: 0  DPHI: -40 -9

82 8 8 18 AZ: 86 94 213 245
R = 1.0 KM; OBS: 7 0 15 0

```

```

JDGMT: 0  DPHI: 23 31 150 183

82 8 8 18 AZ: 33 38 46 54 62 70
R = 2.0 KM; OBS: 0 0 6 0 18 0
JDGMT: 0  DPHI: -29 -24 -17 -9 -1 8

82 8 8 18 AZ: 357 5 14 23 59 59 59 59 59 59 59 59 59 78
R = 3.0 KM; OBS: 4 9 0 9 3 20 2 3 3 0 2 0 2
JDGMT: 3  DPHI: -66 -58 -48 -40 -4 -4 -4 -4 -4 -4 -4 -4 16

82 8 8 18 AZ: 353 2 7 10 14 18 22 26 30 32 36 39 39 40 44 48 52 56 56 56 60 64 68
R = 5.0 KM; OBS: 0 0 2 1 10 0 5 5 0 1 0 0 5 0 2 0 28 6 0 0 4 0 0
JDGMT: 3  DPHI: -70 -60 -56 -53 -49 -45 -41 -36 -33 -31 -27 -24 -24 -22 -19 -15 -11 -6 -6 -6 -2 2 6

      AZ: 72 76 80 84 88 93 97
      OBS: 10 0 4 2 2 2 0
      DPHI: 10 14 18 21 25 30 34

82 8 8 18 AZ: 353 355 357 0 5 6 9 10 12 14 16 17 20 22 24 26 28 29 33 34 36 38 40
R = 7.0 KM; OBS: 2 3 0 6 2 2 0 0 0 0 0 4 0 5 5 2 0 2 1 3 4 4 0
JDGMT: 2  DPHI: -70 -67 -65 -62 -58 -56 -54 -52 -50 -48 -47 -45 -43 -41 -39 -36 -34 -34 -30 -28 -27 -25 -23

      AZ: 44 46 48 49 52 54 56 58 62 64 70 72 74 76 78 80 83 84 85 92
      OBS: 8 2 4 0 12 0 3 6 2 8 0 22 0 12 0 4 3 6 3 0
      DPHI: -18 -17 -15 -13 -11 -8 -6 -5 -1 1 8 10 11 13 15 18 20 22 22 30

82 8 8 18 AZ: 352 356 358 360 4 6 9 10 12 14 19 20 22 24 26 27 31 33 34 36 39 41 43
R = 10.0 KM; OBS: 11 5 0 0 0 0 0 0 3 0 5 4 0 4 0 0 5 4 0 0 5 0 2
JDGMT: 2  DPHI: -71 -67 -64 -63 -58 -57 -54 -53 -50 -48 -44 -43 -41 -38 -36 -35 -32 -30 -29 -27 -23 -21 -20

      AZ: 45 47 49 51 53 55 57 58 59 60 63 66 68 71 73 74 77 79 80 84 84 86 89
      OBS: 0 0 11 0 0 0 0 13 2 5 3 4 0 4 11 0 16 0 0 6 0 0 21
      DPHI: -18 -16 -14 -12 -10 -8 -6 -5 -4 -2 0 4 6 8 10 12 14 16 18 21 22 23 26

      AZ: 91 92
      OBS: 11 8
      DPHI: 28 29

82 8 8 18 AZ: 0 4 8 16 24 34 41 50 53 59 62 65 69 73 76 80 84 88 92 96
R = 15.0 KM; OBS: 4 3 0 2 0 2 2 0 2 3 2 0 17 0 0 0 4 12 33 32
JDGMT: 2  DPHI: -62 -59 -55 -47 -39 -29 -21 -13 -10 -3 0 2 6 11 13 17 22 25 29 33

82 8 8 18 AZ: 359 4 10 12 17 20 25 28 31 34 37 41 45 52 57 59 65 69 70 78 81 84 88
R = 20.0 KM; OBS: 0 3 9 16 0 0 0 12 4 3 4 0 4 9 10 2 14 0 8 5 13 8 18
JDGMT: 2  DPHI: -63 -59 -53 -50 -46 -42 -38 -34 -32 -29 -26 -22 -17 -11 -5 -4 2 7 7 16 18 22 26

      AZ: 92 96
      OBS: 24 49
      DPHI: 29 34

82 8 8 19 AZ: 23 54
R = 0.5 KM; OBS: 4 5

```

```

JDGMT: 0  DPHI: -30  1

 82 8 8 19 AZ: 245 86 94 213
R = 1.0 KM; OBS: 4 7 4 0
JDGMT: 1  DPHI: -168 33 41 160

 82 8 8 19 AZ: 33 38 46 54 62 70
R = 2.0 KM; OBS: 13 18 2 1 3 3
JDGMT: 3  DPHI: -19 -15 -7 1 9 17

 82 8 8 19 AZ: 357 5 14 23 59 59 59 59 59 59 59 59 59 78
R = 3.0 KM; OBS: 2 4 8 1 3 4 7 0 12 3 3 0 2
JDGMT: 3  DPHI: -56 -48 -39 -30 6 6 6 6 6 6 6 6 6 26

 82 8 8 19 AZ: 353 2 7 10 14 22 26 30 32 36 39 39 40 44 48 52 56 56 60 64 68 72 76
R = 5.0 KM; OBS: 16 8 5 3 0 3 0 0 0 3 0 0 6 4 7 0 13 10 12 0 0 6 0
JDGMT: 3  DPHI: -60 -51 -46 -43 -39 -31 -26 -23 -21 -17 -14 -14 -13 -9 -5 -1 3 3 7 11 15 19 23

      AZ: 80 84 88 93 97
      OBS: 22 1 10 16 2
      DPHI: 27 31 35 40 44

 82 8 8 19 AZ: 355 357 0 5 6 9 10 12 14 16 17 20 22 24 26 28 29 33 34 36 38 40 44
R = 7.0 KM; OBS: 0 2 0 8 0 4 0 0 0 3 2 15 0 13 8 3 2 5 5 7 0 0 7
JDGMT: 3  DPHI: -58 -56 -53 -48 -47 -44 -43 -41 -39 -37 -35 -33 -31 -29 -27 -25 -24 -20 -19 -17 -15 -13 -9

      AZ: 46 48 49 52 54 56 58 62 66 70 72 74 76 78 80 84 85 92
      OBS: 5 9 7 16 16 14 22 12 0 6 3 3 0 7 0 3 3 7
      DPHI: -7 -5 -4 -1 1 3 5 9 13 17 19 21 23 25 27 31 32 39

 82 8 8 19 AZ: 352 356 358 360 4 6 9 10 12 14 19 20 22 24 26 27 31 33 34 36 39 41 43
R = 10.0 KM; OBS: 0 0 4 0 0 23 0 7 10 0 14 3 19 3 2 7 2 5 0 4 28 3 11
JDGMT: 3  DPHI: -61 -57 -55 -53 -49 -47 -44 -43 -41 -39 -34 -33 -31 -29 -26 -26 -22 -20 -19 -17 -14 -11 -10

      AZ: 45 47 49 51 53 55 57 58 59 60 63 63 66 68 71 73 74 77 79 80 84 86 89
      OBS: 6 19 9 47 48 26 18 26 4 21 0 5 0 2 7 20 0 5 4 5 18 0 4
      DPHI: -8 -6 -4 -2 0 2 4 5 6 7 10 10 13 15 18 20 21 24 26 28 32 33 36

      AZ: 91 92
      OBS: 3 0
      DPHI: 38 39

 82 8 8 19 AZ: 0 4 8 12 16 24 33 34 41 50 53 59 62 65 69 73 76 80 84 88 92 96
R = 15.0 KM; OBS: 4 0 0 1 0 2 0 0 2 40 13 21 6 0 13 5 7 9 6 15 0 5
JDGMT: 3  DPHI: -53 -49 -45 -41 -37 -29 -20 -19 -12 -3 0 7 9 12 16 20 23 27 31 35 39 43

 82 8 8 19 AZ: 359 4 10 12 17 20 25 28 31 34 37 41 45 52 57 59 65 69 70 78 81 84 88
R = 20.0 KM; OBS: 0 8 0 3 0 13 0 0 0 8 8 0 6 22 56 27 21 10 7 23 18 33 39
JDGMT: 3  DPHI: -53 -49 -43 -40 -36 -32 -28 -25 -22 -19 -16 -12 -8 -1 4 6 12 16 17 25 28 31 35

      AZ: 92 96
      OBS: 7 5

```

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DPHI: 39 43

82 8 10 4 AZ: 154 182
R = 0.5 KM; OBS: 0 0
JDGMT: 0 DPHI: -56 -28

82 8 10 4 AZ: 46 66
R = 2.0 KM; OBS: 8 0
JDGMT: 0 DPHI: -164 -144

82 8 10 4 AZ: 131 136 146 151 155 159 163 170 175 182 186 190 194 197 201 206 229
R = 10.0 KM; OBS: 0 0 8 0 0 0 0 0 0 18 0 0 0 19 3 5 6
JDGMT: 3 DPHI: -79 -74 -64 -59 -55 -51 -47 -39 -35 -28 -24 -20 -16 -13 -9 -4 19

82 8 10 4 AZ: 127 133 136 140 149 151 156 159 160 162 166 169 171 172 175 176 179 179 179 180 184 186 188
R = 20.0 KM; OBS: 0 0 27 0 1 0 4 0 0 0 2 3 0 1 0 2 0 0 0 0 29 0 0
JDGMT: 2 DPHI: -83 -76 -74 -69 -61 -59 -53 -51 -50 -48 -43 -41 -39 -38 -35 -33 -31 -31 -31 -30 -26 -24 -22

AZ: 190 192 195 197 198 200 200 200 202 204 206 208 210 212 214 217 218 220 222 224 227 228 230
OBS: 4 0 0 0 0 0 3 24 0 0 11 0 0 0 0 2 0 0 0 0 5 0 18
DPHI: -19 -18 -14 -13 -11 -9 -9 -9 -8 -5 -4 -2 1 2 4 7 8 10 12 15 17 19 20

AZ: 233 246
OBS: 57 337
DPHI: 23 36

82 8 10 4 AZ: 151 154 156 160 162 164 166 168 170 175 180 182 184 187 188 190 196 198 203 204 206 209 210
R = 30.0 KM; OBS: 6 0 3 0 2 12 0 0 0 5 3 0 10 24 0 25 0 0 0 0 0 0 0
JDGMT: 3 DPHI: -59 -55 -54 -49 -47 -45 -44 -42 -39 -35 -30 -28 -26 -23 -22 -19 -14 -11 -7 -6 -4 -1 0

AZ: 212 214 216 219 221 222 225 226 228 230 233 233 238 242
OBS: 0 0 0 0 8 0 10 5 3 0 4 0 6 0
DPHI: 2 5 6 9 11 12 15 16 18 21 23 24 28 32

82 8 10 4 AZ: 141 144 149 152 154 157 159 160 162 164 166 170 172 175 175 179 183 184 187 188 191 198 216
R = 40.0 KM; OBS: 0 2 10 0 30 3 6 14 0 0 5 8 0 7 5 7 0 0 0 0 9 5 6
JDGMT: 2 DPHI: -69 -65 -61 -57 -56 -53 -50 -50 -48 -46 -43 -40 -38 -35 -34 -31 -27 -26 -23 -21 -18 -11 6

AZ: 219 220 222
OBS: 0 6 0
DPHI: 9 10 13

82 8 10 4 AZ: 149 154 159 160 167 187 194 196 207 211 215 218 242 246 250 255
R = 50.0 KM; OBS: 0 0 6 11 9 5 0 0 0 5 0 0 5 2 2 5
JDGMT: 2 DPHI: -61 -56 -51 -49 -43 -22 -15 -14 -3 1 5 8 32 36 40 46

82 8 10 5 AZ: 154 182
R = 0.5 KM; OBS: 0 2
JDGMT: 0 DPHI: -40 -12

82 8 10 5 AZ: 46 66
R = 2.0 KM; OBS: 5 2

```

JDGMT: 0 DPHI: -148 -128

82 8 10 5 AZ: 131 136 146 151 155 159 163 170 175 182 186 190 194 197 201 206 229  
R = 10.0 KM; OBS: 7 3 3 0 0 0 18 0 14 0 0 0 1 0 0 16 9  
JDGMT: 3 DPHI: -63 -58 -48 -43 -39 -35 -31 -23 -19 -12 -8 -4 0 3 7 12 35

82 8 10 5 AZ: 127 132 133 136 140 145 149 151 156 159 160 162 166 169 171 172 175 176 179 179 179 180 184  
R = 20.0 KM; OBS: 1 0 0 0 0 0 0 5 0 0 2 3 7 6 0 0 0 0 0 2 14 1 0  
JDGMT: 2 DPHI: -67 -61 -60 -58 -53 -49 -45 -43 -37 -35 -34 -32 -27 -25 -23 -22 -19 -17 -15 -15 -15 -14 -10

AZ: 186 188 190 192 195 197 198 200 200 200 202 204 206 208 210 212 214 217 218 220 222 224 227  
OBS: 0 4 0 0 0 0 0 10 0 8 0 0 1 0 0 1 0 7 0 9 0 9 0  
DPHI: -8 -6 -3 -2 2 3 5 7 7 7 8 11 12 14 17 18 20 23 24 26 28 31 33

AZ: 228 230 233 236 246  
OBS: 4 5 54 22 92  
DPHI: 35 36 39 43 52

82 8 10 5 AZ: 151 154 156 160 162 164 166 168 170 172 175 180 182 184 187 188 190 192 193 196 198 200 203  
R = 30.0 KM; OBS: 0 0 7 0 0 4 0 0 0 0 2 15 3 0 4 0 5 3 6 0 0 0 5  
JDGMT: 2 DPHI: -43 -40 -38 -33 -31 -29 -28 -26 -23 -22 -19 -14 -12 -10 -7 -6 -3 -1 -1 2 4 7 9

AZ: 204 209 210 212 214 216 219 221 222 225 226 228 230 233 233 238 242  
OBS: 3 0 3 0 0 0 0 6 0 2 6 2 4 0 0 0 0  
DPHI: 10 15 16 18 21 22 25 27 28 31 32 34 37 39 40 44 48

82 8 10 5 AZ: 132 136 141 144 149 152 154 157 159 160 162 164 166 168 170 172 175 175 179 183 184 187 188  
R = 40.0 KM; OBS: 13 0 0 0 0 2 40 0 32 20 2 3 4 1 5 8 4 4 4 0 6 0 0  
JDGMT: 2 DPHI: -62 -58 -53 -49 -45 -41 -40 -37 -34 -34 -32 -30 -27 -26 -24 -22 -19 -18 -15 -11 -10 -7 -6

AZ: 191 198 214 216 219 220 222  
OBS: 10 4 0 0 0 7 0  
DPHI: -2 5 20 22 25 26 29

82 8 10 5 AZ: 143 149 154 159 160 167 187 194 196 207 211 215 218 222 226 242 246 250 255  
R = 50.0 KM; OBS: 12 0 29 25 5 6 0 2 0 0 0 0 26 31 3 0 0 8 0  
JDGMT: 3 DPHI: -51 -45 -40 -35 -33 -27 -7 1 2 13 17 21 24 28 32 48 52 56 62

82 8 10 6 AZ: 154 182  
R = 0.5 KM; OBS: 5 4  
JDGMT: 0 DPHI: -36 -8

82 8 10 6 AZ: 46 66  
R = 2.0 KM; OBS: 5 8  
JDGMT: 0 DPHI: -144 -124

82 8 10 6 AZ: 114 117 123 124 131 136 146 151 155 159 163 170 175 182 186 190 194 197 201 206 214 218 222  
R = 10.0 KM; OBS: 5 11 13 8 4 2 0 0 0 0 0 0 3 3 0 0 3 0 6 9 12 8  
JDGMT: 2 DPHI: -76 -73 -67 -66 -59 -54 -44 -39 -35 -31 -27 -20 -15 -8 -4 0 4 7 11 16 24 28 33

AZ: 229  
OBS: 9

DPHI: 39

82 8 10 6 AZ: 127 132 133 136 140 145 149 151 156 159 160 162 166 169 171 172 176 179 179 179 180 184 186  
R = 20.0 KM; OBS: 4 2 0 0 0 0 0 4 4 0 0 0 3 0 0 0 0 0 0 2 18 12 0  
JDGMT: 2 DPHI: -63 -58 -56 -54 -50 -45 -41 -39 -34 -31 -30 -28 -24 -21 -19 -18 -14 -11 -11 -11 -10 -6 -4

AZ: 188 190 192 195 197 198 200 200 200 202 204 206 208 210 212 214 217 218 220 222 224 227 228  
OBS: 0 2 7 0 0 4 0 0 0 0 19 10 8 6 0 0 0 3 0 5 0 0  
DPHI: -2 0 2 5 7 8 10 10 10 12 14 16 18 20 22 24 27 28 30 32 34 37 38

AZ: 230 233 236  
OBS: 15 31 12  
DPHI: 40 43 46

82 8 10 6 AZ: 151 152 154 156 160 162 164 166 168 170 172 175 180 182 184 187 188 190 192 193 196 198 200  
R = 30.0 KM; OBS: 0 4 0 4 0 0 0 0 0 0 4 0 5 3 0 9 0 10 0 2 0 0 0  
JDGMT: 2 DPHI: -39 -38 -36 -34 -30 -28 -26 -24 -22 -20 -18 -15 -10 -8 -6 -3 -2 1 2 3 6 8 10

AZ: 203 204 206 209 210 212 214 216 219 221 222 225 226 228 230 233 233 238 242  
OBS: 3 5 0 1 2 0 4 6 8 2 1 10 22 0 0 0 10 0 0  
DPHI: 13 14 16 19 20 22 24 26 29 31 32 35 36 38 41 43 44 48 52

82 8 10 6 AZ: 132 136 141 144 149 152 154 157 159 160 162 164 166 168 170 172 175 175 179 183 184 187 188  
R = 40.0 KM; OBS: 4 4 0 0 4 6 9 0 4 8 5 12 4 0 4 2 0 3 4 12 3 0 11  
JDGMT: 2 DPHI: -58 -54 -49 -46 -41 -38 -36 -33 -31 -30 -28 -26 -24 -22 -20 -18 -15 -15 -11 -7 -6 -3 -2

AZ: 191 198 204 207 208 214 216 219 220 222  
OBS: 5 3 39 5 0 0 0 0 0 0  
DPHI: 1 9 14 17 18 24 26 29 30 32

82 8 10 6 AZ: 143 149 154 159 160 167 187 194 196 207 211 215 218 222 226 230 233 242 246 250 255  
R = 50.0 KM; OBS: 2 0 0 19 4 4 3 4 3 0 4 0 17 0 0 0 0 5 2 12 3  
JDGMT: 2 DPHI: -47 -41 -36 -31 -30 -23 -3 4 6 17 21 25 28 32 36 40 43 52 56 60 65

82 8 10 7 AZ: 154 182  
R = 0.5 KM; OBS: 20 5  
JDGMT: 0 DPHI: -48 -20

82 8 10 7 AZ: 46 66  
R = 2.0 KM; OBS: 16 0  
JDGMT: 0 DPHI: -156 -136

82 8 10 7 AZ: 114 117 123 124 131 136 146 151 159 163 170 175 182 186 190 194 197 201 206 214 218 222 229  
R = 10.0 KM; OBS: 1 0 2 13 0 18 9 3 0 4 2 11 0 0 11 0 13 13 18 21 14 9 12  
JDGMT: 2 DPHI: -87 -84 -79 -77 -70 -65 -56 -51 -43 -38 -31 -27 -20 -15 -11 -8 -4 -1 5 13 16 21 27

82 8 10 7 AZ: 127 132 133 136 140 145 149 151 156 159 160 162 166 169 171 172 176 179 179 179 180 184 186  
R = 20.0 KM; OBS: 0 7 0 2 4 0 0 7 2 0 0 0 7 3 0 0 0 0 0 0 0 17 0  
JDGMT: 2 DPHI: -75 -69 -68 -65 -61 -56 -53 -50 -45 -43 -42 -39 -35 -33 -30 -30 -25 -23 -23 -23 -21 -18 -15

AZ: 188 190 192 195 197 198 200 200 200 202 204 206 208 210 212 214 217 218 220 222 224 227 228  
OBS: 0 1 17 0 0 4 16 2 0 2 1 0 1 0 0 8 2 2 0 0 0 0 3

|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|              | DPHI: | -14  | -11  | -10 | -6  | -5  | -3  | -1  | -1  | -1  | 1   | 3   | 5   | 7   | 9   | 10  | 13  | 15  | 17  | 19  | 20  | 23  | 26  | 27  |
|              | AZ:   | 230  | 233  | 236 | 246 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 64   | 25   | 75  | 241 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 29   | 31   | 35  | 44  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 10 7    | AZ:   | 151  | 152  | 154 | 156 | 160 | 162 | 164 | 168 | 170 | 172 | 175 | 176 | 178 | 180 | 182 | 184 | 187 | 188 | 190 | 192 | 193 | 196 | 198 |
| R = 30.0 KM; | OBS:  | 2    | 0    | 0   | 0   | 4   | 0   | 0   | 0   | 0   | 0   | 6   | 4   | 0   | 3   | 0   | 0   | 7   | 0   | 4   | 0   | 0   | 0   | 0   |
| JDGMT: 2     | DPHI: | -51  | -49  | -47 | -46 | -41 | -39 | -37 | -34 | -31 | -30 | -27 | -25 | -23 | -22 | -19 | -17 | -15 | -14 | -11 | -9  | -8  | -6  | -3  |
|              | AZ:   | 200  | 203  | 204 | 206 | 209 | 210 | 212 | 214 | 216 | 219 | 221 | 222 | 225 | 226 | 228 | 233 | 233 | 238 | 242 |     |     |     |     |
|              | OBS:  | 0    | 6    | 0   | 0   | 1   | 0   | 0   | 2   | 3   | 0   | 3   | 0   | 5   | 4   | 2   | 0   | 7   | 15  | 3   |     |     |     |     |
|              | DPHI: | -1   | 1    | 3   | 4   | 7   | 8   | 11  | 13  | 15  | 17  | 19  | 20  | 23  | 24  | 26  | 31  | 32  | 37  | 41  |     |     |     |     |
| 82 8 10 7    | AZ:   | 132  | 136  | 141 | 144 | 149 | 152 | 154 | 157 | 159 | 160 | 162 | 164 | 166 | 168 | 170 | 172 | 175 | 175 | 179 | 183 | 184 | 187 | 188 |
| R = 40.0 KM; | OBS:  | 11   | 5    | 3   | 0   | 0   | 0   | 0   | 0   | 71  | 38  | 4   | 11  | 5   | 10  | 0   | 12  | 7   | 0   | 6   | 5   | 0   | 0   | 13  |
| JDGMT: 2     | DPHI: | -70  | -66  | -61 | -57 | -53 | -49 | -47 | -45 | -42 | -42 | -40 | -37 | -35 | -33 | -31 | -29 | -27 | -26 | -23 | -19 | -18 | -15 | -13 |
|              | AZ:   | 191  | 198  | 204 | 207 | 208 | 214 | 216 | 219 | 220 | 222 |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 7    | 6    | 6   | 7   | 6   | 0   | 0   | 5   | 0   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | -10  | -3   | 2   | 6   | 7   | 12  | 14  | 17  | 19  | 21  |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 10 7    | AZ:   | 143  | 149  | 154 | 159 | 160 | 167 | 187 | 194 | 196 | 207 | 211 | 215 | 218 | 222 | 226 | 230 | 233 | 242 | 246 | 250 | 255 |     |     |
| R = 50.0 KM; | OBS:  | 21   | 3    | 0   | 0   | 3   | 6   | 5   | 4   | 0   | 0   | 3   | 0   | 0   | 28  | 12  | 3   | 0   | 0   | 0   | 0   | 5   |     |     |
| JDGMT: 3     | DPHI: | -59  | -53  | -48 | -43 | -41 | -35 | -14 | -7  | -6  | 6   | 10  | 13  | 16  | 20  | 24  | 28  | 32  | 41  | 44  | 49  | 54  |     |     |
| 82 8 10 8    | AZ:   | 154  | 182  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 0.5 KM;  | OBS:  | 27   | 9    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     | DPHI: | -59  | -31  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 10 8    | AZ:   | 46   | 66   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 2.0 KM;  | OBS:  | 6    | 19   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     | DPHI: | -167 | -147 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 10 8    | AZ:   | 114  | 117  | 123 | 124 | 131 | 136 | 146 | 151 | 155 | 159 | 163 | 170 | 175 | 182 | 186 | 190 | 194 | 197 | 201 | 206 | 214 | 218 | 222 |
| R = 10.0 KM; | OBS:  | 13   | 7    | 5   | 0   | 13  | 12  | 9   | 17  | 9   | 16  | 13  | 8   | 7   | 6   | 7   | 9   | 10  | 18  | 22  | 12  | 43  | 14  | 10  |
| JDGMT: 2     | DPHI: | -98  | -95  | -90 | -88 | -81 | -76 | -66 | -62 | -58 | -54 | -49 | -42 | -38 | -31 | -26 | -22 | -19 | -15 | -12 | -6  | 2   | 5   | 10  |
|              | AZ:   | 229  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 9    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 16   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 10 8    | AZ:   | 127  | 132  | 133 | 136 | 140 | 145 | 149 | 151 | 156 | 159 | 160 | 162 | 166 | 169 | 171 | 172 | 176 | 179 | 179 | 179 | 180 | 184 | 186 |
| R = 20.0 KM; | OBS:  | 0    | 6    | 0   | 0   | 0   | 5   | 4   | 0   | 0   | 0   | 0   | 0   | 3   | 12  | 0   | 2   | 0   | 0   | 0   | 10  | 0   | 7   | 0   |
| JDGMT: 2     | DPHI: | -86  | -80  | -79 | -76 | -72 | -67 | -64 | -61 | -56 | -54 | -53 | -50 | -46 | -44 | -41 | -41 | -36 | -34 | -34 | -34 | -32 | -29 | -26 |
|              | AZ:   | 188  | 190  | 192 | 195 | 197 | 198 | 200 | 200 | 200 | 202 | 204 | 206 | 208 | 210 | 212 | 214 | 217 | 218 | 220 | 222 | 224 | 227 | 228 |
|              | OBS:  | 3    | 2    | 0   | 0   | 3   | 0   | 0   | 0   | 9   | 0   | 0   | 0   | 0   | 5   | 3   | 0   | 22  | 0   | 6   | 6   | 88  | 105 | 120 |
|              | DPHI: | -25  | -22  | -21 | -17 | -16 | -14 | -12 | -12 | -12 | -10 | -8  | -6  | -4  | -2  | -1  | 2   | 4   | 6   | 8   | 10  | 12  | 15  | 16  |
|              | AZ:   | 230  | 233  | 236 | 246 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 280  | 234  | 88  | 304 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |

```

DPHI:  18  21  24  33

82  8 10  8  AZ: 141 142 146 148 151 152 154 156 160 162 164 166 168 172 175 176 178 180 182 184 187 188 190
R = 30.0 KM; OBS:  0   7   0  12   2   0   0   0   3   2   2   0   0   0  17   4  17   6   4   8   6   0   71
JDGMT:  3  DPHI: -72 -70 -66 -64 -62 -60 -58 -57 -52 -50 -48 -47 -45 -41 -38 -36 -34 -33 -30 -28 -25 -25 -22

        AZ: 192 193 196 198 200 203 204 206 209 210 212 214 216 219 221 222 225 226 228 230 233 236 238
        OBS:  1   3  10   0   3   0   2   0   1   0   0   0   3   0   8   0   2  26   4   3   0   0  40
        DPHI: -20 -19 -17 -14 -12 -10  -8  -7  -4  -3   0   2   4   6   8   9  12  13  15  18  21  23  26

        AZ: 242
        OBS:  21
        DPHI:  30

82  8 10  8  AZ: 132 136 141 144 149 152 154 157 159 160 162 164 166 168 170 172 175 175 179 183 184 187 188
R = 40.0 KM; OBS:  0   3   0  11   4   0   8   3   5   0   0   3   3   0   3   3   0   3   4   4   0   0   0
JDGMT:  3  DPHI: -81 -77 -72 -68 -64 -60 -58 -56 -53 -53 -51 -48 -46 -44 -42 -40 -38 -37 -34 -30 -29 -26 -24

        AZ: 191 198 204 207 208 211 212 214 216 219 220 222
        OBS:  13   4   7   0   4   4   0   0   0   0  11   0
        DPHI: -21 -14  -9  -5  -4  -2   0   1   3   6   8  10

82  8 10  8  AZ: 143 149 152 154 159 160 167 187 194 196 207 211 215 218 222 226 230 233 242 246 250 255
R = 50.0 KM; OBS:  7  10   0   5   0  11   9   5   0   0   0   5   0   0   0   0   0   4   5   6   0   3
JDGMT:  3  DPHI: -70 -64 -60 -59 -54 -52 -46 -25 -18 -17  -5  -1   2   5   9  13  17  21  30  33  38  43

82  8 10  9  AZ: 154 182
R =  0.5 KM; OBS:  20   4
JDGMT:  0  DPHI: -49 -21

82  8 10  9  AZ:  46  66
R =  2.0 KM; OBS:   5  15
JDGMT:  0  DPHI: -157 -137

82  8 10  9  AZ: 114 117 123 124 131 136 146 151 159 163 170 175 182 186 190 194 197 201 206 214 218 222 229
R = 10.0 KM; OBS:  5  12   4  16   8  10   0  14  17   4  11   6  15   0   8  10  12   8   0  15  10  11  20
JDGMT:  2  DPHI: -88 -85 -80 -78 -71 -66 -57 -52 -44 -39 -32 -28 -21 -16 -12  -9  -5  -2   4  12  15  20  26

82  8 10  9  AZ: 127 132 133 136 140 145 149 151 156 159 160 162 166 169 171 172 176 179 179 179 180 184 186
R = 20.0 KM; OBS:  6   2   0   0   0   2   0   2  15   2   0   0   2   6   0   0   0  28   0   2   0   1   0
JDGMT:  2  DPHI: -76 -70 -69 -66 -62 -57 -54 -51 -46 -44 -43 -40 -36 -34 -31 -31 -26 -24 -24 -24 -22 -19 -16

        AZ: 188 190 192 195 197 198 200 200 200 202 204 206 208 210 212 214 217 218 220 222 224 227 228
        OBS:  0  22   0   5   0   2   8   9   3   0   2   1   0   8  18   9  28  23  19  15  35  35  11
        DPHI: -15 -12 -11  -7  -6  -4  -2  -2  -2   0   2   4   6   8   9  12  14  16  18  20  22  25  26

        AZ: 230 233 236 246
        OBS:  104 261  31  57
        DPHI:  28  31  34  43

82  8 10  9  AZ: 138 141 142 146 148 151 152 154 156 160 162 164 166 168 170 172 175 176 178 180 182 184 187
R = 30.0 KM; OBS:  2   0  21  32   8   0   5   0  17   0   5   3   3  10   0   0   0  10   2   6   0   0   5

```



|        |      |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------|------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| JDGMT: | 2    | DPHI: | -64  | -62  | -60 | -56 | -54 | -52 | -50 | -48 | -47 | -42 | -40 | -38 | -37 | -35 | -32 | -31 | -28 | -26 | -24 | -23 | -20 | -18 | -15 |     |     |
|        |      | AZ:   | 188  | 190  | 192 | 193 | 196 | 198 | 200 | 203 | 204 | 206 | 209 | 210 | 212 | 214 | 216 | 219 | 221 | 222 | 225 | 226 | 228 | 230 | 233 |     |     |
|        |      | OBS:  | 0    | 8    | 0   | 2   | 0   | 2   | 0   | 3   | 0   | 0   | 0   | 0   | 1   | 4   | 10  | 0   | 3   | 0   | 8   | 6   | 17  | 4   | 9   |     |     |
|        |      | DPHI: | -15  | -12  | -10 | -9  | -7  | -4  | -2  | 0   | 2   | 3   | 6   | 7   | 10  | 12  | 14  | 16  | 18  | 19  | 22  | 23  | 25  | 28  | 31  |     |     |
|        |      | AZ:   | 233  | 236  | 238 | 242 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 0    | 10   | 14  | 22  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | 31   | 33   | 36  | 40  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 10    | 9    | AZ:  | 132 | 136 | 141 | 144 | 149 | 152 | 154 | 157 | 159 | 160 | 162 | 164 | 166 | 168 | 170 | 172 | 175 | 175 | 179 | 183 | 184 | 187 | 188 |
| R =    | 40.0 | KM;   | OBS: | 0    | 0   | 0   | 3   | 0   | 0   | 8   | 5   | 15  | 15  | 0   | 4   | 3   | 3   | 2   | 11  | 5   | 4   | 4   | 2   | 3   | 0   | 0   |     |
| JDGMT: | 2    | DPHI: | -71  | -67  | -62 | -58 | -54 | -50 | -48 | -46 | -43 | -43 | -41 | -38 | -36 | -34 | -32 | -30 | -28 | -27 | -24 | -20 | -19 | -16 | -14 |     |     |
|        |      | AZ:   | 191  | 198  | 204 | 207 | 208 | 211 | 212 | 214 | 216 | 219 | 220 | 222 |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 2    | 4    | 35  | 3   | 2   | 0   | 0   | 0   | 0   | 0   | 12  | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | -11  | -4   | 1   | 5   | 6   | 8   | 10  | 11  | 13  | 16  | 18  | 20  |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 10    | 9    | AZ:  | 143 | 149 | 152 | 154 | 160 | 167 | 187 | 194 | 196 | 207 | 211 | 215 | 218 | 222 | 226 | 230 | 233 | 242 | 246 | 250 | 255 |     |     |
| R =    | 50.0 | KM;   | OBS: | 4    | 0   | 3   | 2   | 0   | 4   | 0   | 0   | 0   | 0   | 0   | 7   | 0   | 2   | 5   | 3   | 13  | 0   | 0   | 2   | 9   | 5   |     |     |
| JDGMT: | 3    | DPHI: | -60  | -54  | -50 | -49 | -42 | -36 | -15 | -8  | -7  | 5   | 9   | 12  | 15  | 19  | 23  | 27  | 31  | 40  | 43  | 48  | 53  |     |     |     |     |
| 82     | 8    | 10    | 10   | AZ:  | 154 | 182 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R =    | 0.5  | KM;   | OBS: | 6    | 3   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: | 0    | DPHI: | -43  | -15  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 10    | 10   | AZ:  | 46  | 66  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R =    | 2.0  | KM;   | OBS: | 22   | 15  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: | 0    | DPHI: | -151 | -131 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 10    | 10   | AZ:  | 114 | 117 | 123 | 124 | 131 | 136 | 146 | 151 | 155 | 159 | 163 | 170 | 175 | 182 | 186 | 190 | 194 | 197 | 201 | 206 | 214 | 218 | 222 |
| R =    | 10.0 | KM;   | OBS: | 2    | 2   | 11  | 4   | 5   | 0   | 11  | 0   | 9   | 11  | 13  | 4   | 13  | 12  | 8   | 7   | 5   | 8   | 9   | 14  | 11  | 0   | 6   |     |
| JDGMT: | 2    | DPHI: | -82  | -79  | -74 | -72 | -66 | -61 | -51 | -46 | -42 | -38 | -34 | -26 | -22 | -15 | -11 | -7  | -3  | 0   | 4   | 9   | 17  | 21  | 26  |     |     |
|        |      | AZ:   | 229  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 4    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | 32   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 10    | 10   | AZ:  | 127 | 132 | 133 | 136 | 140 | 145 | 149 | 151 | 156 | 159 | 160 | 162 | 166 | 169 | 171 | 172 | 176 | 179 | 179 | 179 | 180 | 184 | 188 |
| R =    | 20.0 | KM;   | OBS: | 1    | 5   | 0   | 3   | 0   | 0   | 0   | 0   | 9   | 0   | 5   | 2   | 2   | 3   | 0   | 32  | 0   | 3   | 0   | 0   | 0   | 13  | 0   |     |
| JDGMT: | 2    | DPHI: | -70  | -64  | -63 | -61 | -56 | -52 | -48 | -46 | -40 | -38 | -37 | -35 | -30 | -28 | -26 | -25 | -20 | -18 | -18 | -18 | -18 | -17 | -13 | -9  |     |
|        |      | AZ:   | 190  | 192  | 195 | 197 | 198 | 200 | 200 | 200 | 202 | 204 | 206 | 210 | 212 | 214 | 217 | 218 | 220 | 222 | 224 | 227 | 228 | 230 | 233 |     |     |
|        |      | OBS:  | 4    | 6    | 0   | 0   | 13  | 3   | 8   | 10  | 0   | 0   | 11  | 7   | 12  | 7   | 14  | 10  | 29  | 28  | 39  | 35  | 38  | 49  | 103 |     |     |
|        |      | DPHI: | -6   | -5   | -1  | 0   | 2   | 4   | 4   | 4   | 5   | 8   | 9   | 13  | 15  | 17  | 20  | 21  | 23  | 25  | 28  | 30  | 32  | 33  | 36  |     |     |
|        |      | AZ:   | 236  | 246  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 83   | 4    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | 40   | 49   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 10    | 10   | AZ:  | 138 | 141 | 142 | 146 | 148 | 151 | 152 | 154 | 156 | 160 | 162 | 164 | 166 | 168 | 170 | 172 | 175 | 176 | 178 | 180 | 182 | 184 | 187 |
| R =    | 30.0 | KM;   | OBS: | 7    | 3   | 7   | 2   | 21  | 2   | 2   | 2   | 0   | 0   | 0   | 3   | 0   | 0   | 0   | 2   | 0   | 19  | 8   | 0   | 3   | 3   | 0   | 5   |

|        |      |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------|------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| JDGMT: | 3    | DPHI: | -59  | -56  | -54 | -51 | -49 | -46 | -44 | -43 | -41 | -36 | -35 | -32 | -31 | -29 | -26 | -25 | -22 | -20 | -19 | -17 | -15 | -13 | -10 |     |     |
|        |      | AZ:   | 188  | 190  | 192 | 193 | 196 | 198 | 200 | 203 | 204 | 206 | 209 | 210 | 212 | 214 | 216 | 219 | 221 | 222 | 225 | 226 | 228 | 230 | 233 |     |     |
|        |      | OBS:  | 0    | 12   | 0   | 0   | 0   | 0   | 25  | 5   | 11  | 0   | 0   | 0   | 3   | 0   | 0   | 0   | 5   | 13  | 14  | 16  | 5   | 10  | 0   |     |     |
|        |      | DPHI: | -9   | -6   | -5  | -4  | -1  | 1   | 4   | 6   | 7   | 9   | 12  | 13  | 15  | 18  | 19  | 22  | 24  | 25  | 28  | 29  | 31  | 34  | 36  |     |     |
|        |      | AZ:   | 233  | 236  | 238 | 242 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 11   | 5    | 7   | 4   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | 37   | 39   | 41  | 45  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 10    | 10   | AZ:  | 132 | 136 | 141 | 144 | 149 | 152 | 154 | 157 | 159 | 160 | 162 | 164 | 166 | 168 | 170 | 172 | 175 | 175 | 179 | 183 | 184 | 187 | 188 |
| R =    | 40.0 | KM;   | OBS: | 3    | 6   | 10  | 0   | 0   | 0   | 24  | 0   | 8   | 11  | 4   | 3   | 5   | 1   | 9   | 1   | 2   | 0   | 4   | 5   | 10  | 0   | 4   |     |
| JDGMT: | 2    | DPHI: | -65  | -61  | -56 | -52 | -48 | -44 | -43 | -40 | -37 | -37 | -35 | -33 | -30 | -29 | -27 | -25 | -22 | -21 | -18 | -14 | -13 | -10 | -9  |     |     |
|        |      | AZ:   | 191  | 198  | 204 | 207 | 208 | 211 | 212 | 214 | 216 | 219 | 220 | 222 | 225 | 226 | 228 | 230 |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 10   | 3    | 8   | 6   | 4   | 0   | 2   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 6   | 2   |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | -5   | 2    | 7   | 11  | 11  | 14  | 15  | 17  | 19  | 22  | 23  | 26  | 28  | 30  | 32  | 33  |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 10    | 10   | AZ:  | 143 | 149 | 152 | 154 | 159 | 160 | 167 | 187 | 194 | 196 | 207 | 211 | 215 | 218 | 222 | 226 | 230 | 233 | 242 | 246 | 250 | 255 |     |
| R =    | 50.0 | KM;   | OBS: | 4    | 0   | 0   | 0   | 9   | 0   | 13  | 11  | 2   | 0   | 2   | 6   | 0   | 16  | 3   | 9   | 7   | 14  | 2   | 1   | 0   | 0   |     |     |
| JDGMT: | 3    | DPHI: | -54  | -48  | -45 | -43 | -38 | -36 | -30 | -10 | -3  | -1  | 10  | 14  | 18  | 21  | 25  | 29  | 33  | 36  | 45  | 49  | 53  | 59  |     |     |     |
| 82     | 8    | 10    | 11   | AZ:  | 154 | 182 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R =    | 0.5  | KM;   | OBS: | 3    | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: | 0    | DPHI: | -35  | -7   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 10    | 11   | AZ:  | 46  | 66  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R =    | 2.0  | KM;   | OBS: | 4    | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: | 0    | DPHI: | -143 | -123 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 10    | 11   | AZ:  | 114 | 117 | 123 | 124 | 131 | 136 | 146 | 151 | 155 | 159 | 163 | 170 | 175 | 182 | 186 | 190 | 194 | 197 | 201 | 206 | 214 | 218 | 222 |
| R =    | 10.0 | KM;   | OBS: | 13   | 0   | 5   | 21  | 10  | 6   | 7   | 6   | 0   | 18  | 17  | 5   | 3   | 11  | 21  | 0   | 4   | 11  | 0   | 16  | 15  | 6   | 8   |     |
| JDGMT: | 2    | DPHI: | -75  | -72  | -66 | -65 | -58 | -53 | -43 | -38 | -34 | -30 | -26 | -19 | -14 | -7  | -3  | 1   | 5   | 8   | 12  | 17  | 25  | 29  | 34  |     |     |
|        |      | AZ:   | 229  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 6    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | 40   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 10    | 11   | AZ:  | 127 | 132 | 133 | 136 | 140 | 145 | 149 | 151 | 156 | 159 | 160 | 162 | 166 | 169 | 171 | 172 | 176 | 179 | 179 | 179 | 180 | 184 | 186 |
| R =    | 20.0 | KM;   | OBS: | 0    | 4   | 0   | 11  | 0   | 0   | 0   | 0   | 24  | 0   | 0   | 0   | 0   | 5   | 0   | 0   | 3   | 0   | 0   | 0   | 0   | 0   | 0   |     |
| JDGMT: | 2    | DPHI: | -62  | -57  | -55 | -53 | -49 | -44 | -40 | -38 | -33 | -30 | -29 | -27 | -23 | -20 | -18 | -17 | -13 | -10 | -10 | -10 | -10 | -9  | -5  | -3  |     |
|        |      | AZ:   | 188  | 190  | 192 | 195 | 197 | 198 | 200 | 200 | 200 | 202 | 204 | 206 | 208 | 210 | 212 | 214 | 217 | 218 | 220 | 222 | 224 | 227 | 228 |     |     |
|        |      | OBS:  | 0    | 6    | 13  | 0   | 0   | 0   | 3   | 6   | 6   | 4   | 0   | 0   | 2   | 19  | 5   | 0   | 17  | 10  | 18  | 14  | 20  | 27  | 20  |     |     |
|        |      | DPHI: | -1   | 1    | 3   | 6   | 8   | 9   | 11  | 11  | 11  | 13  | 15  | 17  | 19  | 21  | 23  | 25  | 28  | 29  | 31  | 33  | 35  | 38  | 39  |     |     |
|        |      | AZ:   | 230  | 233  | 236 | 246 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 22   | 24   | 23  | 13  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | 41   | 44   | 47  | 57  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 10    | 11   | AZ:  | 138 | 141 | 142 | 146 | 148 | 151 | 152 | 154 | 156 | 160 | 162 | 164 | 166 | 168 | 170 | 172 | 175 | 176 | 178 | 180 | 182 | 184 | 187 |
| R =    | 30.0 | KM;   | OBS: | 0    | 0   | 0   | 18  | 15  | 0   | 0   | 0   | 0   | 0   | 0   | 5   | 0   | 4   | 0   | 0   | 0   | 3   | 17  | 0   | 6   | 10  | 2   | 17  |

|        |      |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------|------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| JDGMT: | 2    | DPHI: | -51  | -48  | -47 | -43 | -41 | -38 | -37 | -35 | -33 | -29 | -27 | -25 | -23 | -21 | -19 | -17 | -14 | -13 | -11 | -9  | -7  | -5  | -2  |     |     |
|        |      | AZ:   | 188  | 190  | 192 | 193 | 196 | 198 | 200 | 203 | 204 | 206 | 209 | 210 | 212 | 214 | 216 | 219 | 221 | 222 | 225 | 226 | 228 | 230 | 233 |     |     |
|        |      | OBS:  | 0    | 0    | 0   | 4   | 3   | 0   | 13  | 2   | 0   | 0   | 2   | 0   | 0   | 0   | 3   | 0   | 8   | 0   | 7   | 16  | 3   | 8   | 5   |     |     |
|        |      | DPHI: | -1   | 2    | 3   | 4   | 7   | 9   | 11  | 14  | 15  | 17  | 20  | 21  | 23  | 25  | 27  | 30  | 32  | 33  | 36  | 37  | 39  | 42  | 45  |     |     |
|        |      | AZ:   | 236  | 238  | 242 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 7    | 0    | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | 47   | 49   | 53  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 10    | 11   | AZ:  | 132 | 136 | 141 | 144 | 149 | 152 | 154 | 157 | 159 | 160 | 162 | 164 | 166 | 168 | 170 | 172 | 175 | 175 | 179 | 183 | 184 | 187 | 188 |
| R =    | 40.0 | KM;   | OBS: | 7    | 0   | 0   | 0   | 8   | 0   | 6   | 1   | 27  | 38  | 14  | 10  | 1   | 6   | 4   | 0   | 0   | 0   | 8   | 6   | 11  | 0   | 9   |     |
| JDGMT: | 2    | DPHI: | -57  | -53  | -48 | -45 | -40 | -37 | -35 | -32 | -30 | -29 | -27 | -25 | -23 | -21 | -19 | -17 | -14 | -14 | -10 | -6  | -5  | -2  | -1  |     |     |
|        |      | AZ:   | 191  | 198  | 204 | 207 | 208 | 211 | 212 | 214 | 216 | 219 | 220 | 222 | 225 | 226 | 228 | 230 |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 8    | 5    | 22  | 0   | 3   | 0   | 31  | 0   | 0   | 0   | 0   | 3   | 1   | 0   | 2   | 7   |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | 2    | 9    | 15  | 18  | 19  | 22  | 23  | 25  | 27  | 30  | 31  | 33  | 36  | 37  | 39  | 41  |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 10    | 11   | AZ:  | 143 | 149 | 152 | 154 | 159 | 160 | 167 | 187 | 194 | 196 | 207 | 211 | 215 | 218 | 222 | 226 | 230 | 233 | 242 | 246 | 250 | 255 |     |
| R =    | 50.0 | KM;   | OBS: | 3    | 0   | 0   | 4   | 43  | 6   | 5   | 23  | 4   | 0   | 0   | 26  | 0   | 0   | 0   | 0   | 6   | 0   | 4   | 0   | 0   | 2   |     |     |
| JDGMT: | 2    | DPHI: | -46  | -40  | -37 | -35 | -30 | -29 | -22 | -2  | 5   | 7   | 18  | 22  | 26  | 29  | 33  | 37  | 41  | 44  | 53  | 57  | 61  | 66  |     |     |     |
| 82     | 8    | 10    | 12   | AZ:  | 154 | 182 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R =    | 0.5  | KM;   | OBS: | 0    | 2   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: | 0    | DPHI: | -33  | -5   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 10    | 12   | AZ:  | 46  | 66  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R =    | 2.0  | KM;   | OBS: | 4    | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: | 0    | DPHI: | -141 | -121 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 10    | 12   | AZ:  | 114 | 117 | 123 | 124 | 131 | 136 | 146 | 151 | 155 | 159 | 163 | 170 | 175 | 182 | 186 | 190 | 194 | 197 | 201 | 206 | 214 | 218 | 222 |
| R =    | 10.0 | KM;   | OBS: | 0    | 0   | 9   | 4   | 0   | 0   | 11  | 0   | 0   | 0   | 0   | 11  | 0   | 0   | 12  | 1   | 0   | 3   | 11  | 4   | 11  | 6   | 4   | 7   |
| JDGMT: | 2    | DPHI: | -73  | -70  | -65 | -63 | -56 | -51 | -41 | -37 | -32 | -29 | -24 | -17 | -12 | -5  | -1  | 3   | 7   | 10  | 14  | 19  | 27  | 31  | 35  |     |     |
|        |      | AZ:   | 229  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 14   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | 42   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 10    | 12   | AZ:  | 127 | 132 | 133 | 136 | 140 | 145 | 149 | 151 | 156 | 159 | 160 | 162 | 166 | 169 | 171 | 172 | 176 | 179 | 179 | 179 | 180 | 184 | 186 |
| R =    | 20.0 | KM;   | OBS: | 4    | 2   | 0   | 0   | 0   | 3   | 0   | 2   | 0   | 0   | 0   | 0   | 5   | 6   | 0   | 0   | 0   | 0   | 0   | 4   | 0   | 2   | 4   |     |
| JDGMT: | 2    | DPHI: | -60  | -55  | -54 | -51 | -47 | -42 | -38 | -36 | -31 | -28 | -27 | -25 | -21 | -18 | -16 | -15 | -11 | -8  | -8  | -8  | -7  | -3  | -1  |     |     |
|        |      | AZ:   | 188  | 190  | 192 | 195 | 197 | 198 | 200 | 200 | 200 | 202 | 204 | 206 | 208 | 210 | 212 | 214 | 217 | 218 | 220 | 222 | 224 | 227 | 228 |     |     |
|        |      | OBS:  | 0    | 7    | 0   | 0   | 0   | 2   | 5   | 3   | 3   | 4   | 5   | 0   | 0   | 2   | 0   | 0   | 0   | 5   | 10  | 9   | 15  | 8   | 15  |     |     |
|        |      | DPHI: | 1    | 3    | 5   | 8   | 9   | 11  | 13  | 13  | 13  | 15  | 17  | 19  | 21  | 23  | 25  | 27  | 29  | 31  | 33  | 35  | 37  | 40  | 41  |     |     |
|        |      | AZ:   | 230  | 233  | 236 | 246 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 7    | 14   | 16  | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | 43   | 46   | 49  | 59  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 10    | 12   | AZ:  | 138 | 141 | 142 | 146 | 148 | 151 | 152 | 154 | 156 | 160 | 162 | 164 | 166 | 168 | 170 | 172 | 175 | 176 | 178 | 180 | 182 | 184 | 187 |
| R =    | 30.0 | KM;   | OBS: | 2    | 23  | 21  | 0   | 7   | 0   | 7   | 1   | 18  | 0   | 4   | 3   | 0   | 0   | 0   | 0   | 4   | 10  | 10  | 4   | 3   | 3   | 4   |     |

```

JDGMT:  2  DPHI:  -49  -47  -45  -41  -39  -36  -35  -33  -31  -27  -25  -23  -21  -20  -17  -15  -12  -11  -9  -7  -5  -3  0
      AZ:  188  190  192  196  198  200  203  204  206  209  210  212  214  216  219  221  222  225  226  228  230  233  233
      OBS:   4   0   0   0   0   0   0   3   0   3   0   0   0   0   0   3   0   2   3   3   0   0   8
      DPHI:   1   3   5   9  11  13  16  17  19  21  23  25  27  29  32  34  35  37  39  41  43  46  46

      AZ:  236  238  242
      OBS:   3   0   0
      DPHI:  49  51  55

82  8 10 12  AZ:  132  136  141  144  149  152  154  157  159  160  162  164  166  168  170  172  175  175  179  183  184  187  188
R = 40.0 KM; OBS:  13   6   0   0   8   0  11   5   5   6   4  12   5  12  11   0   0  11   5   6   0   0  12
JDGMT:  3  DPHI:  -55  -51  -47  -43  -39  -35  -33  -30  -28  -27  -25  -23  -21  -19  -17  -15  -12  -12  -8  -4  -3  -1   1

      AZ:  191  198  204  207  208  211  212  214  216  219  220  222  225  226  228  230
      OBS:   5   4  15   3   3   0   0   0   0   0   5   1   0   6   3   0
      DPHI:   4  11  17  20  21  24  25  27  29  32  33  35  38  39  41  43

82  8 10 12  AZ:  143  149  152  154  159  160  167  187  194  196  207  211  215  218  222  226  230  233  242  246  250  255
R = 50.0 KM; OBS:   3   0   3   3   0   3   5   0   9   0   0   4   0   2  15  13   4   4   5   5   0   4
JDGMT:  3  DPHI:  -44  -38  -35  -34  -28  -27  -20   0   7   9  20  24  28  31  35  39  43  46  55  59  63  68

82  8 13  4  AZ:  182  205
R =  0.5 KM; OBS:   0   0
JDGMT:  0  DPHI:  -32  -9

82  8 13  4  AZ:   54  14
R =  1.0 KM; OBS:   0   0
JDGMT:  0  DPHI: -160  160

82  8 13  4  AZ:
R =  7.0 KM; OBS:  NO VALUES GREATER THAN OR EQUAL TO ZERO
JDGMT:  0  DPHI:

82  8 13  4  AZ:  140  145  149  152  156  160  164  169  173  176  182  186  188  193  197  203  207  212  216  218  222  229  233
R = 10.0 KM; OBS:  20   0   5  10   1   0   8  10   3   0   0   2   0   0   0   0  19   0   0   0   0   1
JDGMT:  2  DPHI:  -74  -70  -65  -62  -58  -54  -50  -46  -41  -39  -32  -28  -26  -22  -17  -11  -7  -2   2   4   8  14  19

      AZ:  235
      OBS:   0
      DPHI:  21

82  8 13  4  AZ:  145  149  151  152  156  159  160  162  166  169  171  172  175  176  179  180  182  184  186  188  190  192  195
R = 20.0 KM; OBS:   0   1   3  33   0   0   0   7   5   0   2   0   2   0   0   0   2   6   5   0   0   0   4
JDGMT:  2  DPHI:  -69  -65  -63  -62  -58  -56  -55  -52  -48  -46  -43  -42  -40  -38  -36  -34  -32  -31  -28  -26  -24  -22  -19

      AZ:  197  198  200  202  204  206  208  210  212  214  217  218  220  222  224  224  224  227  228  230  233  234  236
      OBS:   2  10   0   1   7   3   1   2   0  16   6   0  15  40  57  53  75  92 117 171  38  12  15
      DPHI:  -18  -16  -14  -12  -10  -8  -6  -4  -2   0   2   4   6   8  10  10  10  13  14  16  19  20  22

      AZ:  239  242

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OBS: 7 9
DPHI: 24 27

82 8 13 4 AZ: 142 144 146 148 151 162 164 166 168 172 175 176 178 180 182 184 188 190 192 193 196 198 200
R = 30.0 KM; OBS: 1 0 0 0 0 0 0 0 21 1 6 7 6 0 7 1 0 10 0 0 0 0 1
JDGMT: 2 DPHI: -72 -70 -68 -66 -64 -52 -50 -48 -47 -42 -40 -38 -36 -34 -32 -30 -26 -24 -22 -21 -18 -16 -14

AZ: 203 204 206 209 210 212 214 216 219 221 222 225 226 228 230 233 233 238 241 242
OBS: 0 0 0 4 0 8 0 6 10 10 48 0 35 27 63 21 19 2 0 3
DPHI: -12 -10 -9 -6 -4 -2 0 2 4 6 8 10 11 14 16 19 19 24 27 28

82 8 13 4 AZ: 142 144 146 149 151 152 159 164 166 168 170 172 175 175 179 183 184 187 188 190 191 195 196
R = 40.0 KM; OBS: 3 5 0 0 0 0 0 4 0 2 5 3 4 0 4 0 2 0 0 11 2 0 15
JDGMT: 3 DPHI: -72 -70 -68 -66 -64 -62 -55 -50 -48 -46 -44 -42 -39 -39 -36 -31 -30 -28 -26 -24 -23 -19 -18

AZ: 198 201 202 204 207 208 212 214 216 219 220 222 225 226 228 230 233 235 238 240 246
OBS: 1 0 0 0 7 0 0 12 0 1 16 9 34 3 13 20 11 0 0 1 3
DPHI: -16 -14 -13 -11 -7 -6 -2 0 1 4 6 8 10 12 14 16 19 21 24 26 32

82 8 13 4 AZ: 143 149 152 154 159 160 167 172 173 187 192 194 196 202 207 211 215 218 222 226 230 233
R = 50.0 KM; OBS: 0 5 17 0 4 0 4 18 7 0 0 0 0 0 0 0 4 8 12 18 7
JDGMT: 3 DPHI: -71 -65 -62 -61 -56 -54 -47 -42 -42 -27 -23 -20 -18 -12 -7 -3 1 4 7 12 16 19

82 8 13 5 AZ: 182 205
R = 0.5 KM; OBS: 12 0
JDGMT: 0 DPHI: -36 -13

82 8 13 5 AZ: 54 14
R = 1.0 KM; OBS: 2 0
JDGMT: 0 DPHI: -164 156

82 8 13 5 AZ: 233
R = 7.0 KM; OBS: 5
JDGMT: 0 DPHI: 14

82 8 13 5 AZ: 140 145 149 152 156 160 164 169 173 176 182 184 186 188 193 197 203 207 212 216 218 222 229
R = 10.0 KM; OBS: 0 0 0 2 0 0 0 0 7 0 0 0 10 0 0 18 0 9 2 0 0 5
JDGMT: 3 DPHI: -78 -74 -69 -66 -62 -58 -54 -50 -45 -43 -36 -34 -32 -30 -26 -21 -15 -11 -6 -2 0 4 10

AZ: 233 235
OBS: 0 14
DPHI: 15 17

82 8 13 5 AZ: 145 149 151 152 156 159 160 162 166 169 171 172 175 176 179 180 182 184 186 188 190 195 197
R = 20.0 KM; OBS: 0 0 0 0 0 2 2 0 0 0 0 0 2 0 10 9 1 0 0 0 3 0 5
JDGMT: 2 DPHI: -73 -69 -67 -66 -62 -60 -58 -56 -52 -50 -47 -46 -44 -42 -40 -38 -36 -35 -32 -30 -28 -23 -22

AZ: 198 200 202 204 206 208 210 212 214 217 218 220 222 224 224 224 227 228 230 233 234 236 239
OBS: 3 0 0 4 0 0 0 6 9 2 4 16 37 58 69 73 125 88 173 73 14 0 21
DPHI: -20 -18 -16 -14 -12 -10 -8 -6 -4 -2 0 2 4 6 6 9 10 12 15 16 18 20

AZ: 242

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      OBS:    7
      DPHI:   23

82  8 13  5  AZ: 142 144 146 148 151 152 154 156 162 164 166 168 172 175 176 178 180 182 184 187 188 190 192
R = 30.0 KM; OBS:  0  0  0  9  2  0  3  2  6  0  0  7  0  0  0  2  2  2  1  2  0  2  2
JDGMT:  2  DPHI: -76 -74 -72 -70 -68 -66 -64 -62 -56 -54 -52 -51 -46 -44 -42 -40 -38 -36 -34 -31 -30 -28 -26

      AZ: 193 196 198 200 203 204 206 209 210 212 214 216 219 221 222 225 226 228 230 233 233 238 241
      OBS:  9  7  6  6  5  0  5  0 12 12  0  5  0 12 22 14 16 30 33 30  0  3  3
      DPHI: -25 -22 -20 -18 -15 -14 -12 -10  -8  -6  -4  -2  0  2  4  6  7 10 12 15 15 20 23

      AZ: 242
      OBS:  0
      DPHI:  24

82  8 13  5  AZ: 142 144 146 149 151 152 157 159 164 166 168 170 172 175 175 179 183 184 187 188 190 191 195
R = 40.0 KM; OBS:  0  0  4  2  5  0  3  6  7  1  0  0  0  0  4  6  1  0  0  0  0  0  6
JDGMT:  3  DPHI: -76 -74 -72 -70 -68 -66 -61 -59 -54 -52 -50 -48 -46 -43 -43 -39 -35 -34 -32 -30 -28 -27 -23

      AZ: 196 198 201 202 204 207 208 211 212 214 216 219 220 222 225 226 228 230 233 235 238 240 244
      OBS:  0  2  2  0  7  0  6  0  0 23  0 10 23 30 14  5 10 12  6 16  2  0 19
      DPHI: -22 -20 -18 -17 -15 -11 -10  -7  -6  -4  -3  0  2  4  7  8 10 12 15 17 20 22 26

      AZ: 246 250 252
      OBS:  8  0  0
      DPHI: 28 31 34

82  8 13  5  AZ: 143 149 152 154 159 160 167 172 173 187 192 194 196 202 207 211 215 218 222 226 230 233 246
R = 50.0 KM; OBS:  2  5 14  0  0  0  4  0  0  0 10  0  5  0  0  0  8  0 14  0  0  0
JDGMT:  3  DPHI: -75 -69 -66 -65 -60 -58 -51 -46 -46 -31 -27 -24 -22 -16 -11  -7  -3  0  4  8 12 15 28

82  8 13  6  AZ: 182 205
R = 0.5 KM; OBS:  0  0
JDGMT:  0  DPHI: -36 -13

82  8 13  6  AZ:  54 14
R = 1.0 KM; OBS:  0  1
JDGMT:  0  DPHI: -164 156

82  8 13  6  AZ: 233
R = 7.0 KM; OBS:  0
JDGMT:  0  DPHI: 15

82  8 13  6  AZ: 140 145 149 152 156 160 164 169 173 176 182 184 186 188 193 197 203 207 212 216 218 222 229
R = 10.0 KM; OBS:  0  0  0  0  0  0  3  5  6 18  0 11  0  0  0  0 11 14 17  0  3  0
JDGMT:  3  DPHI: -78 -73 -69 -66 -62 -58 -54 -49 -45 -42 -36 -34 -32 -30 -25 -21 -15 -11  -5  -2  0  5 11

      AZ: 233 235
      OBS: 14  2
      DPHI: 15 18

82  8 13  6  AZ: 145 146 149 151 151 152 156 159 160 162 164 166 169 171 172 175 176 179 180 182 184 186 188

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R = 20.0 KM; OBS:   0   9   3   0   0   3   5   0   9   5   0   0   3   0   0   8   6   0   2   0   0   3   0
JDGMT:  2  DPHI: -73 -71 -69 -67 -67 -66 -62 -59 -58 -56 -54 -52 -49 -47 -46 -43 -42 -39 -38 -36 -34 -32 -30

      AZ: 190 192 195 197 198 200 202 204 206 208 210 212 214 217 218 220 222 224 224 224 227 228 230
      OBS:  0   0   0   0   4   2   0   0   0   3   0   3   5  15   8  21  35  68  66   0 103  64 139
      DPHI: -27 -26 -23 -21 -20 -18 -16 -13 -12 -10  -8  -6  -4  -1   0   2   4   6   6   6   9  10  12

      AZ: 233 234 236 239 242
      OBS: 112  3   0   0   9
      DPHI:  15  16  18  21  24

82  8 13  6  AZ: 142 144 146 148 151 152 154 156 160 162 164 166 168 170 172 175 176 178 180 182 184 187 188
R = 30.0 KM; OBS:  0   0   0   3   0   0   0   5   0   0   0   2   3   5   0   0   0   2   0   2   0   1   0   0
JDGMT:  2  DPHI: -76 -73 -72 -70 -67 -66 -64 -62 -58 -56 -54 -52 -50 -48 -46 -43 -42 -40 -38 -36 -34 -31 -30

      AZ: 190 192 193 196 198 200 203 204 206 209 210 212 214 216 219 221 222 225 226 228 230 233 233
      OBS:  0   3   0   0   3   0   0   0   2   3   3   6   4  11  10  10   0  21  12  26  11  27  30
      DPHI: -27 -26 -25 -22 -20 -18 -15 -14 -12  -9  -8  -6  -4  -2   1   3   4   7   8  10  13  15  16

      AZ: 238 241 242
      OBS:  6  11  20
      DPHI:  20  23  24

82  8 13  6  AZ: 142 144 146 149 151 152 157 159 164 166 168 170 172 175 175 179 183 184 187 188 190 191 195
R = 40.0 KM; OBS:  0   0   1   0   0   8   1   6  10  6   0   4   0   0   0   0   1   0   0   0   2   0   3
JDGMT:  3  DPHI: -76 -74 -72 -69 -67 -65 -61 -59 -54 -52 -50 -48 -46 -43 -43 -39 -35 -34 -31 -30 -28 -27 -23

      AZ: 196 198 201 202 204 207 208 211 212 214 216 219 220 222 225 226 228 230 233 235 238 244 246
      OBS:  5   0   0   0   2   2   0   8   7   8   2  15  18  29  20   7   7   9   9   7   0   0  19
      DPHI: -22 -19 -17 -16 -14 -11 -10  -7  -6  -4  -2   1   2   4   7   9  11  12  15  17  20  26  28

      AZ: 250 252
      OBS:  5   0
      DPHI:  32  34

82  8 13  6  AZ: 143 149 152 154 159 160 167 172 173 187 192 194 196 202 207 211 215 218 222 226 230 233 238
R = 50.0 KM; OBS:  1   4   5  13  13   0   0   0   0   0   0   0   0   0   7   0   9  12   8  12  13   4   8
JDGMT:  2  DPHI: -75 -69 -66 -64 -59 -57 -51 -46 -45 -31 -26 -24 -22 -16 -11  -7  -3   0   4   8  12  15  20

      AZ: 242 246 250
      OBS:  6   0  11
      DPHI:  24  28  32

82  8 13  7  AZ: 182 205
R = 0.5 KM; OBS:  0   0
JDGMT:  0  DPHI: -36 -13

82  8 13  7  AZ:  54  14
R = 1.0 KM; OBS:  7   3
JDGMT:  0  DPHI: -164 157

82  8 13  7  AZ: 233

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R = 7.0 KM; OBS: 0
JDGMT: 0 DPHI: 15

82 8 13 7 AZ: 140 145 149 152 156 160 164 169 173 176 182 184 186 188 193 197 203 207 212 216 218 222 229
R = 10.0 KM; OBS: 3 1 0 2 1 0 13 3 5 0 29 10 13 0 0 0 8 0 0 0 17 0 0
JDGMT: 3 DPHI: -78 -73 -68 -66 -61 -57 -54 -49 -44 -42 -36 -33 -31 -29 -25 -20 -15 -10 -5 -2 0 5 11

AZ: 233 235 240 251 254 256 260
OBS: 0 11 16 5 7 0 7
DPHI: 15 18 22 33 36 38 42

82 8 13 7 AZ: 140 145 146 149 151 151 152 156 159 160 162 164 166 169 171 172 175 176 179 180 182 184 186
R = 20.0 KM; OBS: 6 0 6 0 0 1 6 0 0 6 0 0 6 2 0 0 4 0 0 0 0 2 0
JDGMT: 2 DPHI: -77 -72 -71 -69 -67 -67 -66 -61 -59 -58 -56 -54 -51 -49 -46 -46 -43 -41 -39 -38 -35 -34 -32

AZ: 188 190 192 195 197 198 200 202 204 206 208 210 212 214 217 218 220 222 224 224 224 227 228
OBS: 0 0 0 7 3 0 0 0 13 0 0 1 2 0 8 5 26 52 92 78 83 102 82
DPHI: -30 -27 -26 -22 -21 -19 -17 -15 -13 -12 -9 -7 -6 -4 -1 1 3 4 7 7 7 9 11

AZ: 230 233 234 236 239 242
OBS: 132 115 0 5 5 3
DPHI: 12 15 17 19 21 24

82 8 13 7 AZ: 142 144 146 151 152 154 156 160 162 164 166 168 170 172 175 176 178 180 182 184 187 188 190
R = 30.0 KM; OBS: 0 0 0 3 8 3 0 0 14 0 0 18 0 0 5 1 6 0 3 5 1 0 0
JDGMT: 2 DPHI: -75 -73 -71 -67 -65 -63 -62 -57 -55 -53 -52 -50 -47 -46 -43 -41 -40 -38 -35 -33 -31 -30 -27

AZ: 192 193 196 198 200 203 204 206 209 210 212 214 216 219 221 222 225 226 228 230 233 233 238
OBS: 5 1 2 0 0 1 0 0 0 0 13 0 15 12 3 7 22 48 23 24 46 36 5
DPHI: -25 -24 -22 -19 -17 -15 -13 -12 -9 -8 -5 -3 -2 1 3 4 7 8 10 13 15 16 21

AZ: 241 242
OBS: 23 0
DPHI: 23 24

82 8 13 7 AZ: 142 144 146 149 151 152 157 159 164 166 168 170 172 175 175 179 183 184 187 188 190 191 195
R = 40.0 KM; OBS: 6 5 1 3 6 0 0 0 4 0 6 0 1 6 0 0 0 0 2 6 10 2 2
JDGMT: 2 DPHI: -76 -73 -71 -69 -67 -65 -61 -58 -54 -51 -49 -47 -45 -43 -42 -39 -35 -34 -31 -29 -28 -26 -23

AZ: 196 198 201 202 204 207 211 212 214 216 219 220 222 225 226 228 230 233 235 238 240 244 246
OBS: 8 1 0 0 7 0 7 4 14 0 14 18 15 10 7 25 24 44 11 0 4 6 0
DPHI: -22 -19 -17 -16 -14 -10 -7 -6 -4 -2 1 3 5 7 9 11 12 15 18 20 23 26 28

AZ: 250 252
OBS: 0 0
DPHI: 32 34

82 8 13 7 AZ: 143 149 152 154 160 167 172 173 187 192 194 196 202 207 215 218 222 226 230 233 238 242 246
R = 50.0 KM; OBS: 0 0 6 0 2 4 3 2 0 0 6 0 0 4 7 22 5 0 0 0 7 0 18
JDGMT: 3 DPHI: -75 -69 -65 -64 -57 -51 -45 -45 -30 -26 -23 -22 -16 -11 -3 0 4 8 12 16 20 24 28

AZ: 250

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|        |       |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------|-------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|        | OBS:  | 19    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        | DPHI: | 32    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8     | 13    | 8    | AZ: | 182 | 205 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R =    | 0.5   | KM;   | OBS: | 12  | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: | 0     | DPHI: | -38  | -15 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8     | 13    | 8    | AZ: | 54  | 14  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R =    | 1.0   | KM;   | OBS: | 1   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: | 0     | DPHI: | -166 | 155 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8     | 13    | 8    | AZ: | 233 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R =    | 7.0   | KM;   | OBS: | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: | 0     | DPHI: | 13   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8     | 13    | 8    | AZ: | 140 | 145 | 149 | 152 | 156 | 160 | 164 | 169 | 173 | 176 | 182 | 184 | 186 | 188 | 193 | 197 | 203 | 207 | 212 | 216 | 218 | 222 | 229 |
| R =    | 10.0  | KM;   | OBS: | 8   | 0   | 3   | 11  | 0   | 0   | 0   | 0   | 0   | 4   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 11  | 6   | 0   | 0   | 0   |     |
| JDGMT: | 3     | DPHI: | -80  | -75 | -70 | -68 | -63 | -59 | -56 | -51 | -46 | -44 | -38 | -35 | -34 | -31 | -27 | -22 | -17 | -12 | -7  | -4  | -2  | 3   | 9   |     |     |
|        | AZ:   | 233   | 235  | 240 | 251 | 254 | 256 | 260 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        | OBS:  | 0     | 3    | 19  | 6   | 0   | 1   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        | DPHI: | 13    | 16   | 20  | 31  | 34  | 36  | 40  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8     | 13    | 8    | AZ: | 140 | 145 | 146 | 149 | 151 | 151 | 152 | 156 | 159 | 160 | 162 | 164 | 166 | 169 | 171 | 172 | 175 | 176 | 179 | 180 | 182 | 184 | 186 |
| R =    | 20.0  | KM;   | OBS: | 0   | 3   | 0   | 0   | 1   | 12  | 0   | 1   | 0   | 0   | 4   | 0   | 0   | 2   | 1   | 0   | 0   | 8   | 0   | 8   | 0   | 11  | 7   |     |
| JDGMT: | 2     | DPHI: | -79  | -74 | -73 | -71 | -69 | -69 | -68 | -63 | -61 | -60 | -58 | -56 | -53 | -51 | -48 | -48 | -45 | -43 | -41 | -40 | -37 | -36 | -34 |     |     |
|        | AZ:   | 188   | 190  | 192 | 195 | 197 | 198 | 200 | 202 | 204 | 206 | 208 | 210 | 212 | 214 | 217 | 218 | 220 | 222 | 224 | 224 | 224 | 224 | 227 | 228 |     |     |
|        | OBS:  | 0     | 0    | 0   | 0   | 10  | 2   | 0   | 0   | 9   | 0   | 0   | 4   | 3   | 3   | 14  | 0   | 57  | 61  | 94  | 80  | 89  | 108 | 99  |     |     |     |
|        | DPHI: | -32   | -29  | -28 | -24 | -23 | -21 | -19 | -18 | -15 | -14 | -12 | -9  | -8  | -6  | -3  | -1  | 1   | 2   | 5   | 5   | 5   | 7   | 9   |     |     |     |
|        | AZ:   | 230   | 233  | 234 | 236 | 239 | 242 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        | OBS:  | 133   | 152  | 18  | 2   | 1   | 8   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        | DPHI: | 10    | 13   | 15  | 17  | 19  | 22  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8     | 13    | 8    | AZ: | 142 | 144 | 146 | 148 | 151 | 152 | 154 | 156 | 160 | 162 | 164 | 166 | 168 | 170 | 172 | 175 | 176 | 178 | 180 | 182 | 184 | 187 | 188 |
| R =    | 30.0  | KM;   | OBS: | 0   | 0   | 0   | 0   | 0   | 0   | 5   | 3   | 10  | 3   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 3   | 7   | 0   | 3   | 0   |     |     |
| JDGMT: | 2     | DPHI: | -77  | -75 | -74 | -72 | -69 | -67 | -65 | -64 | -59 | -57 | -55 | -54 | -52 | -49 | -48 | -45 | -43 | -42 | -40 | -38 | -35 | -33 | -32 |     |     |
|        | AZ:   | 190   | 192  | 193 | 196 | 198 | 200 | 203 | 204 | 206 | 209 | 210 | 212 | 214 | 216 | 219 | 221 | 222 | 225 | 226 | 228 | 230 | 233 | 233 |     |     |     |
|        | OBS:  | 4     | 16   | 0   | 6   | 14  | 3   | 9   | 0   | 10  | 4   | 9   | 0   | 0   | 10  | 19  | 4   | 14  | 9   | 27  | 24  | 69  | 46  | 39  |     |     |     |
|        | DPHI: | -29   | -27  | -27 | -24 | -21 | -19 | -17 | -15 | -14 | -11 | -10 | -8  | -5  | -4  | -1  | 1   | 2   | 5   | 6   | 8   | 11  | 13  | 14  |     |     |     |
|        | AZ:   | 238   | 241  | 242 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        | OBS:  | 12    | 5    | 3   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        | DPHI: | 18    | 21   | 22  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8     | 13    | 8    | AZ: | 142 | 144 | 146 | 149 | 151 | 152 | 157 | 159 | 164 | 166 | 168 | 170 | 172 | 175 | 175 | 179 | 183 | 184 | 187 | 188 | 190 | 191 | 195 |
| R =    | 40.0  | KM;   | OBS: | 5   | 0   | 0   | 0   | 3   | 0   | 3   | 6   | 0   | 2   | 6   | 4   | 0   | 0   | 0   | 6   | 0   | 0   | 0   | 0   | 14  | 6   | 0   |     |
| JDGMT: | 3     | DPHI: | -78  | -75 | -73 | -71 | -69 | -67 | -63 | -60 | -56 | -53 | -52 | -49 | -48 | -45 | -44 | -41 | -37 | -36 | -33 | -31 | -30 | -28 | -25 |     |     |
|        | AZ:   | 196   | 198  | 201 | 202 | 204 | 207 | 208 | 211 | 212 | 214 | 216 | 219 | 220 | 222 | 225 | 226 | 228 | 230 | 233 | 235 | 238 | 240 | 244 |     |     |     |

|        |       |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------|-------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|        | OBS:  | 0     | 0    | 0   | 2   | 0   | 0   | 2   | 0   | 5   | 8   | 19  | 12  | 20  | 16  | 51  | 10  | 9   | 26  | 9   | 6   | 0   | 5   | 0   |     |     |     |
|        | DPHI: | -24   | -21  | -19 | -18 | -16 | -12 | -12 | -9  | -8  | -6  | -4  | -1  | 1   | 3   | 5   | 7   | 9   | 10  | 13  | 15  | 18  | 21  | 24  |     |     |     |
|        | AZ:   | 246   | 250  | 252 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        | OBS:  | 8     | 7    | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        | DPHI: | 26    | 30   | 32  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8     | 13    | 8    | AZ: | 143 | 149 | 152 | 154 | 159 | 160 | 167 | 172 | 173 | 187 | 192 | 194 | 196 | 202 | 211 | 215 | 218 | 222 | 226 | 230 | 233 | 238 | 242 |
| R =    | 50.0  | KM;   | OBS: | 0   | 4   | 0   | 2   | 1   | 9   | 4   | 8   | 1   | 12  | 4   | 0   | 0   | 14  | 0   | 9   | 18  | 26  | 19  | 4   | 0   | 0   | 8   |     |
| JDGMT: | 2     | DPHI: | -77  | -71 | -68 | -66 | -61 | -59 | -53 | -48 | -47 | -32 | -28 | -25 | -24 | -18 | -9  | -5  | -2  | 2   | 6   | 10  | 14  | 18  | 22  |     |     |
|        | AZ:   | 246   | 250  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        | OBS:  | 23    | 50   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        | DPHI: | 26    | 30   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8     | 13    | 9    | AZ: | 182 | 205 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R =    | 0.5   | KM;   | OBS: | 2   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: | 0     | DPHI: | -39  | -16 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8     | 13    | 9    | AZ: | 54  | 14  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R =    | 1.0   | KM;   | OBS: | 0   | 1   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: | 0     | DPHI: | -167 | 153 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8     | 13    | 9    | AZ: | 233 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R =    | 7.0   | KM;   | OBS: | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: | 0     | DPHI: | 12   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8     | 13    | 9    | AZ: | 140 | 145 | 149 | 152 | 156 | 160 | 164 | 169 | 173 | 176 | 182 | 184 | 186 | 188 | 193 | 197 | 203 | 207 | 212 | 216 | 218 | 222 | 229 |
| R =    | 10.0  | KM;   | OBS: | 0   | 0   | 19  | 0   | 0   | 0   | 0   | 19  | 2   | 6   | 0   | 8   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 5   | 0   | 4   | 0   |     |
| JDGMT: | 2     | DPHI: | -81  | -76 | -72 | -69 | -65 | -61 | -57 | -52 | -48 | -45 | -39 | -37 | -35 | -33 | -28 | -24 | -18 | -14 | -9  | -5  | -3  | 1   | 8   |     |     |
|        | AZ:   | 233   | 235  | 240 | 251 | 254 | 256 | 260 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        | OBS:  | 2     | 14   | 4   | 3   | 4   | 4   | 3   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        | DPHI: | 12    | 14   | 19  | 30  | 33  | 35  | 39  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8     | 13    | 9    | AZ: | 140 | 145 | 146 | 149 | 151 | 151 | 152 | 156 | 159 | 160 | 162 | 164 | 166 | 169 | 171 | 172 | 175 | 176 | 179 | 180 | 182 | 184 | 186 |
| R =    | 20.0  | KM;   | OBS: | 0   | 1   | 3   | 0   | 0   | 0   | 3   | 5   | 0   | 3   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 3   | 4   | 0   | 0   | 3   |     |
| JDGMT: | 2     | DPHI: | -81  | -76 | -75 | -72 | -70 | -70 | -69 | -65 | -62 | -61 | -59 | -57 | -55 | -52 | -50 | -49 | -46 | -45 | -42 | -41 | -39 | -37 | -35 |     |     |
|        | AZ:   | 188   | 190  | 192 | 195 | 197 | 198 | 200 | 202 | 204 | 206 | 208 | 210 | 212 | 214 | 217 | 218 | 220 | 222 | 224 | 224 | 224 | 224 | 227 | 228 |     |     |
|        | OBS:  | 0     | 0    | 5   | 0   | 0   | 7   | 2   | 0   | 4   | 5   | 3   | 0   | 3   | 16  | 38  | 60  | 63  | 98  | 113 | 106 | 114 | 195 | 112 |     |     |     |
|        | DPHI: | -33   | -31  | -29 | -26 | -24 | -23 | -21 | -19 | -17 | -15 | -13 | -11 | -9  | -7  | -4  | -3  | -1  | 1   | 3   | 3   | 3   | 6   | 7   |     |     |     |
|        | AZ:   | 230   | 233  | 234 | 236 | 239 | 242 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        | OBS:  | 205   | 344  | 22  | 7   | 22  | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        | DPHI: | 9     | 12   | 13  | 15  | 18  | 21  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8     | 13    | 9    | AZ: | 142 | 144 | 146 | 148 | 151 | 152 | 154 | 156 | 160 | 162 | 164 | 166 | 168 | 170 | 172 | 175 | 176 | 178 | 180 | 182 | 184 | 187 | 188 |
| R =    | 30.0  | KM;   | OBS: | 0   | 0   | 0   | 2   | 0   | 0   | 0   | 16  | 0   | 0   | 0   | 4   | 8   | 7   | 0   | 2   | 0   | 4   | 0   | 0   | 0   | 0   | 0   |     |
| JDGMT: | 2     | DPHI: | -79  | -77 | -75 | -73 | -70 | -69 | -67 | -65 | -61 | -59 | -57 | -55 | -53 | -51 | -49 | -46 | -45 | -43 | -41 | -39 | -37 | -34 | -33 |     |     |
|        | AZ:   | 190   | 192  | 193 | 196 | 198 | 200 | 203 | 204 | 206 | 209 | 210 | 212 | 214 | 216 | 219 | 221 | 222 | 225 | 226 | 228 | 230 | 233 | 233 |     |     |     |

|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|              | OBS:  | 0    | 1   | 0   | 0   | 2   | 0   | 1   | 0   | 2   | 6   | 8   | 7   | 3   | 8   | 7   | 6   | 0   | 12  | 7   | 31  | 45  | 40  | 38  |
|              | DPHI: | -31  | -29 | -28 | -25 | -23 | -21 | -18 | -17 | -15 | -12 | -11 | -9  | -7  | -5  | -2  | 0   | 1   | 4   | 5   | 7   | 9   | 12  | 13  |
|              | AZ:   | 238  | 241 | 242 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 16   | 15  | 11  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 17   | 20  | 21  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 13 9    | AZ:   | 142  | 144 | 146 | 149 | 151 | 152 | 157 | 159 | 164 | 166 | 168 | 170 | 172 | 175 | 175 | 179 | 183 | 184 | 187 | 188 | 190 | 191 | 195 |
| R = 40.0 KM; | OBS:  | 8    | 0   | 0   | 9   | 8   | 0   | 0   | 0   | 0   | 3   | 0   | 15  | 11  | 0   | 0   | 0   | 0   | 6   | 0   | 10  | 2   | 0   | 0   |
| JDGMT: 2     | DPHI: | -79  | -77 | -75 | -72 | -70 | -69 | -64 | -62 | -57 | -55 | -53 | -51 | -49 | -46 | -46 | -42 | -38 | -37 | -34 | -33 | -31 | -30 | -26 |
|              | AZ:   | 196  | 198 | 201 | 202 | 204 | 207 | 208 | 211 | 212 | 214 | 216 | 219 | 220 | 222 | 225 | 226 | 228 | 230 | 233 | 235 | 238 | 240 | 244 |
|              | OBS:  | 4    | 10  | 0   | 3   | 7   | 5   | 0   | 15  | 4   | 7   | 11  | 12  | 19  | 0   | 0   | 18  | 25  | 15  | 52  | 3   | 11  | 3   | 6   |
|              | DPHI: | -25  | -23 | -20 | -19 | -17 | -14 | -13 | -10 | -9  | -7  | -5  | -2  | -1  | 1   | 4   | 5   | 7   | 9   | 12  | 14  | 17  | 19  | 23  |
|              | AZ:   | 246  | 250 | 252 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 3    | 0   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 25   | 29  | 31  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 13 9    | AZ:   | 143  | 149 | 152 | 154 | 159 | 160 | 167 | 172 | 173 | 187 | 192 | 194 | 196 | 202 | 207 | 211 | 215 | 218 | 222 | 226 | 230 | 233 | 238 |
| R = 50.0 KM; | OBS:  | 0    | 8   | 3   | 16  | 0   | 0   | 0   | 0   | 0   | 8   | 0   | 0   | 4   | 0   | 0   | 7   | 13  | 19  | 15  | 7   | 9   | 0   | 0   |
| JDGMT: 3     | DPHI: | -78  | -72 | -69 | -67 | -62 | -61 | -54 | -49 | -48 | -34 | -29 | -27 | -25 | -19 | -14 | -10 | -6  | -3  | 1   | 5   | 9   | 12  | 17  |
|              | AZ:   | 242  | 246 | 250 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 4    | 1   | 7   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 21   | 25  | 29  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 13 10   | AZ:   | 182  | 205 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 0.5 KM;  | OBS:  | 11   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     | DPHI: | -42  | -19 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 13 10   | AZ:   | 54   | 14  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 1.0 KM;  | OBS:  | 13   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     | DPHI: | -170 | 151 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 13 10   | AZ:   | 233  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 7.0 KM;  | OBS:  | 5    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     | DPHI: | 9    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 13 10   | AZ:   | 140  | 145 | 149 | 152 | 156 | 160 | 164 | 169 | 173 | 176 | 182 | 184 | 186 | 188 | 193 | 197 | 203 | 207 | 212 | 216 | 218 | 222 | 229 |
| R = 10.0 KM; | OBS:  | 0    | 0   | 0   | 0   | 0   | 9   | 0   | 3   | 6   | 0   | 0   | 0   | 0   | 7   | 0   | 0   | 6   | 0   | 3   | 9   | 0   | 8   | 2   |
| JDGMT: 3     | DPHI: | -84  | -79 | -74 | -72 | -67 | -63 | -60 | -55 | -50 | -48 | -42 | -39 | -38 | -35 | -31 | -26 | -21 | -16 | -11 | -8  | -6  | -1  | 5   |
|              | AZ:   | 233  | 235 | 240 | 251 | 254 | 256 | 260 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 46   | 0   | 41  | 4   | 0   | 0   | 3   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 9    | 12  | 16  | 27  | 30  | 32  | 36  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 13 10   | AZ:   | 140  | 145 | 146 | 149 | 151 | 151 | 152 | 156 | 159 | 160 | 162 | 164 | 166 | 169 | 171 | 172 | 175 | 176 | 179 | 180 | 182 | 184 | 186 |
| R = 20.0 KM; | OBS:  | 11   | 0   | 0   | 3   | 2   | 1   | 10  | 6   | 0   | 0   | 5   | 0   | 0   | 0   | 2   | 0   | 6   | 0   | 0   | 8   | 0   | 0   | 0   |
| JDGMT: 2     | DPHI: | -83  | -78 | -77 | -75 | -73 | -73 | -72 | -67 | -65 | -64 | -62 | -60 | -57 | -55 | -53 | -52 | -49 | -47 | -45 | -44 | -41 | -40 | -38 |
|              | AZ:   | 188  | 190 | 192 | 195 | 197 | 198 | 200 | 202 | 204 | 206 | 208 | 210 | 212 | 214 | 217 | 218 | 220 | 222 | 224 | 224 | 224 | 227 | 228 |

|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|              | OBS:  | 0    | 0   | 9   | 4   | 8   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 4   | 0   | 4   | 45  | 66  | 52  | 75  | 76  | 37  | 24  |
|              | DPHI: | -36  | -33 | -32 | -28 | -27 | -25 | -23 | -22 | -19 | -18 | -16 | -13 | -12 | -10 | -7  | -5  | -4  | -2  | 1   | 1   | 1   | 3   | 5   |
|              | AZ:   | 230  | 233 | 234 | 236 | 239 | 239 | 239 | 242 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 32   | 456 | 444 | 6   | 1   | 5   | 6   | 8   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 6    | 9   | 11  | 13  | 15  | 15  | 15  | 18  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 13 10   | AZ:   | 142  | 144 | 146 | 148 | 151 | 152 | 154 | 156 | 160 | 162 | 164 | 166 | 168 | 170 | 172 | 175 | 176 | 178 | 180 | 182 | 184 | 187 | 188 |
| R = 30.0 KM; | OBS:  | 0    | 0   | 0   | 2   | 0   | 0   | 9   | 4   | 0   | 4   | 0   | 0   | 4   | 4   | 13  | 0   | 0   | 0   | 0   | 3   | 0   | 2   | 0   |
| JDGMT: 3     | DPHI: | -81  | -79 | -78 | -76 | -73 | -71 | -69 | -68 | -63 | -61 | -59 | -58 | -56 | -53 | -52 | -49 | -47 | -46 | -44 | -42 | -40 | -37 | -36 |
|              | AZ:   | 190  | 192 | 193 | 196 | 198 | 200 | 203 | 204 | 206 | 209 | 210 | 212 | 214 | 216 | 219 | 221 | 222 | 225 | 226 | 228 | 230 | 233 | 233 |
|              | OBS:  | 0    | 0   | 0   | 5   | 0   | 0   | 0   | 2   | 0   | 0   | 0   | 6   | 0   | 0   | 24  | 0   | 40  | 22  | 33  | 53  | 50  | 32  | 17  |
|              | DPHI: | -33  | -31 | -31 | -28 | -25 | -23 | -21 | -20 | -18 | -15 | -14 | -12 | -9  | -8  | -5  | -3  | -2  | 1   | 2   | 4   | 7   | 9   | 10  |
|              | AZ:   | 238  | 241 | 242 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 24   | 16  | 12  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 14   | 17  | 18  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 13 10   | AZ:   | 142  | 144 | 146 | 149 | 151 | 152 | 157 | 159 | 164 | 166 | 168 | 170 | 172 | 175 | 175 | 183 | 184 | 187 | 188 | 190 | 191 | 195 | 196 |
| R = 40.0 KM; | OBS:  | 3    | 2   | 9   | 0   | 1   | 0   | 0   | 0   | 12  | 1   | 7   | 0   | 0   | 3   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 9   |
| JDGMT: 3     | DPHI: | -82  | -79 | -77 | -75 | -73 | -71 | -67 | -64 | -60 | -57 | -56 | -53 | -52 | -49 | -48 | -41 | -40 | -37 | -35 | -34 | -32 | -29 | -28 |
|              | AZ:   | 198  | 201 | 202 | 204 | 207 | 208 | 211 | 212 | 214 | 216 | 219 | 220 | 222 | 225 | 226 | 228 | 230 | 233 | 235 | 238 | 240 | 244 | 246 |
|              | OBS:  | 1    | 0   | 13  | 4   | 0   | 1   | 4   | 0   | 17  | 19  | 16  | 5   | 24  | 17  | 33  | 13  | 27  | 24  | 10  | 0   | 0   | 0   | 21  |
|              | DPHI: | -25  | -23 | -22 | -20 | -16 | -16 | -13 | -12 | -10 | -8  | -5  | -4  | -1  | 1   | 3   | 5   | 6   | 9   | 11  | 14  | 17  | 20  | 22  |
|              | AZ:   | 250  | 252 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 4    | 10  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 26   | 28  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 13 10   | AZ:   | 143  | 149 | 152 | 154 | 159 | 160 | 167 | 172 | 173 | 187 | 192 | 194 | 196 | 202 | 211 | 215 | 218 | 222 | 226 | 230 | 233 | 238 | 242 |
| R = 50.0 KM; | OBS:  | 3    | 0   | 7   | 0   | 0   | 1   | 5   | 0   | 0   | 0   | 6   | 0   | 5   | 0   | 0   | 4   | 7   | 23  | 23  | 31  | 11  | 7   | 15  |
| JDGMT: 3     | DPHI: | -81  | -75 | -72 | -70 | -65 | -63 | -57 | -52 | -51 | -36 | -32 | -29 | -28 | -22 | -13 | -9  | -6  | -2  | 2   | 6   | 10  | 14  | 18  |
|              | AZ:   | 246  | 250 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 30   | 31  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 22   | 26  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 13 11   | AZ:   | 182  | 205 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 0.5 KM;  | OBS:  | 5    | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     | DPHI: | -44  | -21 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 13 11   | AZ:   | 54   | 14  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 1.0 KM;  | OBS:  | 14   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     | DPHI: | -172 | 148 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 13 11   | AZ:   | 233  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 7.0 KM;  | OBS:  | 24   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     | DPHI: | 7    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 13 11   | AZ:   | 140  | 145 | 149 | 152 | 156 | 160 | 164 | 169 | 173 | 176 | 182 | 184 | 186 | 188 | 193 | 197 | 203 | 207 | 212 | 216 | 218 | 222 | 229 |

|              |      |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| R = 10.0 KM; | OBS: | 0     | 1   | 5   | 8   | 5   | 0   | 2   | 0   | 2   | 3   | 14  | 0   | 21  | 0   | 0   | 0   | 9   | 16  | 14  | 10  | 14  | 36  |     |     |
| JDGMT:       | 3    | DPHI: | -86 | -81 | -76 | -74 | -70 | -66 | -62 | -57 | -53 | -50 | -44 | -42 | -40 | -38 | -33 | -29 | -23 | -18 | -13 | -10 | -8  | -3  | 3   |
|              |      | AZ:   | 233 | 235 | 240 | 251 | 254 | 256 | 260 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |      | OBS:  | 28  | 96  | 35  | 28  | 9   | 4   | 15  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |      | DPHI: | 7   | 10  | 14  | 25  | 28  | 30  | 34  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 13 11   | AZ:  | 140   | 145 | 146 | 149 | 151 | 151 | 152 | 156 | 159 | 160 | 162 | 164 | 166 | 169 | 171 | 172 | 175 | 176 | 179 | 180 | 182 | 184 | 186 |     |
| R = 20.0 KM; | OBS: | 0     | 0   | 7   | 0   | 0   | 0   | 0   | 6   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 4   | 6   | 6   | 1   | 3   | 0   | 5   | 3   |     |
| JDGMT:       | 2    | DPHI: | -85 | -81 | -79 | -77 | -75 | -75 | -74 | -69 | -67 | -66 | -64 | -62 | -60 | -57 | -55 | -54 | -51 | -50 | -47 | -46 | -44 | -42 | -40 |
|              |      | AZ:   | 188 | 190 | 192 | 195 | 197 | 198 | 200 | 202 | 204 | 206 | 208 | 210 | 212 | 214 | 217 | 218 | 220 | 222 | 224 | 224 | 224 | 227 | 228 |
|              |      | OBS:  | 0   | 0   | 0   | 2   | 0   | 2   | 0   | 0   | 5   | 0   | 0   | 1   | 3   | 2   | 3   | 14  | 11  | 48  | 22  | 10  | 18  | 15  | 10  |
|              |      | DPHI: | -38 | -35 | -34 | -31 | -29 | -27 | -26 | -24 | -21 | -20 | -18 | -16 | -14 | -12 | -9  | -8  | -6  | -4  | -1  | -1  | -1  | 1   | 3   |
|              |      | AZ:   | 230 | 233 | 234 | 236 | 239 | 239 | 239 | 242 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |      | OBS:  | 28  | 83  | 49  | 44  | 59  | 62  | 66  | 49  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |      | DPHI: | 4   | 7   | 9   | 10  | 13  | 13  | 13  | 16  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 13 11   | AZ:  | 142   | 144 | 146 | 148 | 151 | 152 | 154 | 156 | 160 | 162 | 164 | 166 | 168 | 170 | 172 | 175 | 176 | 178 | 180 | 182 | 184 | 187 | 188 |     |
| R = 30.0 KM; | OBS: | 0     | 0   | 0   | 4   | 1   | 4   | 2   | 4   | 0   | 0   | 0   | 0   | 0   | 0   | 4   | 1   | 0   | 0   | 0   | 4   | 0   | 4   | 0   | 4   |
| JDGMT:       | 2    | DPHI: | -84 | -81 | -80 | -78 | -75 | -73 | -72 | -70 | -65 | -64 | -62 | -60 | -58 | -55 | -54 | -51 | -50 | -48 | -46 | -44 | -42 | -39 | -38 |
|              |      | AZ:   | 190 | 192 | 193 | 196 | 198 | 200 | 203 | 204 | 206 | 209 | 210 | 212 | 214 | 216 | 219 | 221 | 222 | 225 | 226 | 228 | 230 | 233 | 233 |
|              |      | OBS:  | 4   | 3   | 6   | 0   | 3   | 6   | 0   | 0   | 3   | 3   | 0   | 10  | 0   | 9   | 6   | 15  | 27  | 23  | 35  | 89  | 42  | 27  |     |
|              |      | DPHI: | -35 | -34 | -33 | -30 | -28 | -26 | -23 | -22 | -20 | -17 | -16 | -14 | -12 | -10 | -7  | -5  | -4  | -1  | 0   | 2   | 5   | 7   | 8   |
|              |      | AZ:   | 238 | 241 | 242 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |      | OBS:  | 17  | 42  | 15  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |      | DPHI: | 12  | 15  | 16  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 13 11   | AZ:  | 142   | 144 | 146 | 149 | 151 | 152 | 157 | 159 | 164 | 166 | 168 | 170 | 172 | 175 | 175 | 179 | 183 | 184 | 187 | 188 | 190 | 191 | 195 |     |
| R = 40.0 KM; | OBS: | 4     | 0   | 2   | 2   | 0   | 0   | 3   | 2   | 0   | 0   | 0   | 2   | 0   | 9   | 6   | 0   | 1   | 3   | 0   | 3   | 13  | 1   | 0   |     |
| JDGMT:       | 2    | DPHI: | -84 | -82 | -80 | -77 | -75 | -73 | -69 | -67 | -62 | -60 | -58 | -56 | -54 | -51 | -51 | -47 | -43 | -42 | -39 | -38 | -36 | -34 | -31 |
|              |      | AZ:   | 196 | 198 | 201 | 202 | 204 | 207 | 208 | 211 | 212 | 214 | 216 | 219 | 220 | 222 | 225 | 226 | 228 | 230 | 233 | 235 | 238 | 240 | 244 |
|              |      | OBS:  | 0   | 0   | 0   | 0   | 0   | 7   | 0   | 0   | 2   | 9   | 0   | 0   | 0   | 34  | 14  | 35  | 22  | 31  | 34  | 20  | 16  | 20  | 43  |
|              |      | DPHI: | -30 | -27 | -25 | -24 | -22 | -18 | -18 | -15 | -14 | -12 | -10 | -7  | -6  | -4  | -1  | 1   | 3   | 4   | 7   | 9   | 12  | 15  | 18  |
|              |      | AZ:   | 246 | 250 | 252 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |      | OBS:  | 13  | 14  | 26  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |      | DPHI: | 20  | 24  | 26  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 13 11   | AZ:  | 143   | 149 | 152 | 154 | 159 | 160 | 167 | 172 | 173 | 187 | 192 | 194 | 196 | 202 | 207 | 211 | 215 | 218 | 222 | 226 | 230 | 233 | 238 |     |
| R = 50.0 KM; | OBS: | 2     | 0   | 0   | 2   | 7   | 7   | 0   | 0   | 2   | 0   | 0   | 3   | 1   | 0   | 4   | 0   | 0   | 4   | 17  | 21  | 28  | 27  | 27  |     |
| JDGMT:       | 2    | DPHI: | -83 | -77 | -74 | -72 | -67 | -65 | -59 | -54 | -53 | -39 | -34 | -32 | -30 | -24 | -19 | -15 | -11 | -8  | -4  | 0   | 4   | 7   | 12  |
|              |      | AZ:   | 242 | 246 | 250 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |      | OBS:  | 37  | 56  | 52  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |      | DPHI: | 16  | 20  | 24  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 13 12   | AZ:  | 205   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |

R = 0.5 KM; OBS: 0  
JDGMT: 0 DPHI: -22

82 8 13 12 AZ: 54 14  
R = 1.0 KM; OBS: 7 0  
JDGMT: 0 DPHI: -173 147

82 8 13 12 AZ: 233  
R = 7.0 KM; OBS: 24  
JDGMT: 0 DPHI: 6

82 8 13 12 AZ: 140 145 149 152 156 160 164 169 173 182 184 186 188 197 203 207 212 216 218 222 229 233 235  
R = 10.0 KM; OBS: 13 0 4 2 1 0 0 6 7 0 5 3 5 7 10 7 41 72 68 133 71 20 17  
JDGMT: 3 DPHI: -87 -82 -77 -75 -71 -67 -63 -58 -54 -45 -43 -41 -39 -30 -24 -19 -14 -11 -9 -4 2 6 9

AZ: 240 251 254 256 260  
OBS: 13 0 5 0 0  
DPHI: 13 24 27 29 33

82 8 13 12 AZ: 145 146 149 151 152 156 159 160 162 164 166 169 171 172 175 176 180 182 184 186 188 190 192  
R = 20.0 KM; OBS: 1 0 0 0 3 6 0 1 4 0 4 0 0 0 0 1 9 0 0 0 2 7 0  
JDGMT: 2 DPHI: -82 -80 -78 -76 -75 -70 -68 -67 -65 -63 -60 -58 -56 -55 -52 -50 -47 -45 -43 -41 -39 -36 -35

AZ: 195 197 198 200 202 204 206 208 210 212 214 217 218 220 222 224 224 224 224 227 228 230 233 234  
OBS: 0 3 5 0 0 2 0 1 0 5 0 1 12 8 18 16 22 27 85 53 73 138 151  
DPHI: -31 -30 -28 -27 -25 -22 -21 -19 -17 -15 -13 -10 -9 -7 -5 -2 -2 -2 0 2 3 6 8

AZ: 236 239 239 239 242  
OBS: 162 138 138 141 169  
DPHI: 10 12 12 12 15

82 8 13 12 AZ: 142 144 146 148 151 152 154 156 160 162 164 166 168 170 172 176 178 180 182 184 187 188 190  
R = 30.0 KM; OBS: 0 0 0 0 3 0 0 5 0 0 10 0 9 3 1 0 1 0 5 0 6 2 0  
JDGMT: 2 DPHI: -85 -82 -81 -79 -76 -74 -73 -71 -66 -65 -63 -61 -59 -56 -55 -50 -49 -47 -45 -43 -40 -39 -36

AZ: 192 193 196 198 200 203 204 206 209 210 212 214 216 219 221 222 225 226 228 230 233 233 238  
OBS: 11 3 7 2 1 6 0 6 3 18 3 2 0 5 0 4 19 9 9 74 74 41 15  
DPHI: -35 -34 -31 -29 -27 -24 -23 -21 -18 -17 -15 -13 -11 -8 -6 -5 -2 -1 1 4 6 7 11

AZ: 241 242  
OBS: 35 49  
DPHI: 14 15

82 8 13 12 AZ: 142 144 146 149 151 152 157 159 164 166 168 170 172 175 175 179 183 184 187 188 190 191 195  
R = 40.0 KM; OBS: 15 0 0 8 6 12 0 7 5 11 0 11 0 0 0 0 0 3 4 6 17 0  
JDGMT: 2 DPHI: -85 -82 -81 -78 -76 -74 -70 -68 -63 -60 -59 -57 -55 -52 -51 -48 -44 -43 -40 -39 -37 -35 -32

AZ: 196 198 201 202 204 207 208 211 212 214 216 219 220 222 225 226 228 230 233 235 238 240 244  
OBS: 3 12 0 1 9 0 0 6 0 0 1 6 20 17 30 22 36 26 39 17 29 12 24  
DPHI: -31 -28 -26 -25 -23 -19 -19 -16 -15 -13 -11 -8 -7 -5 -2 0 2 3 6 8 11 14 17

AZ: 246 250 252

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      OBS: 21 42 111
      DPHI: 19 23 25

82 8 13 12 AZ: 143 149 152 154 159 160 167 172 173 187 192 194 196 202 207 211 215 218 222 226 230 233 238
R = 50.0 KM; OBS: 0 6 7 0 8 7 0 0 0 5 3 0 0 0 5 0 0 0 21 17 39 26 29
JDGMT: 2 DPHI: -84 -78 -75 -73 -68 -66 -60 -55 -54 -40 -35 -33 -31 -25 -20 -16 -12 -9 -5 -1 3 6 11

      AZ: 242 246 250
      OBS: 36 68 77
      DPHI: 15 19 23

82 8 14 10 AZ: 187 195 204 205 211 220 227 235 243 252 260 268 277 284 291 304 310 318 326 335 342 350 1
R = 0.5 KM; OBS: 0 2 0 0 6 0 0 0 0 0 9 0 3 3 29 3 0 13 12 0 0 3 0
JDGMT: 3 DPHI: -94 -86 -78 -77 -70 -62 -55 -47 -39 -29 -21 -14 -5 2 10 22 29 36 44 53 61 68 79

      AZ: 8 86
      OBS: 3 0
      DPHI: 86 164

82 8 14 10 AZ: 109 189 197 205 213 222 228 236 245 261 268 277 285 315 323 332 342 350 358 6 54
R = 1.0 KM; OBS: 0 0 0 3 1 0 21 4 4 0 0 0 8 5 5 0 0 3 7 0 0
JDGMT: 3 DPHI: -173 -93 -85 -77 -69 -60 -53 -46 -37 -21 -14 -5 3 33 42 51 60 68 76 85 132

82 8 14 10 AZ: 207 209 213 217 221 228 233 238 241 246 249 252 257 262 264 275 280 285 289 305 309 313 317
R = 2.0 KM; OBS: 0 0 8 0 0 16 3 3 0 0 0 0 58 0 0 1 5 0 3 8 0 12
JDGMT: 3 DPHI: -75 -73 -69 -65 -61 -53 -49 -44 -41 -36 -33 -29 -25 -20 -17 -6 -1 4 7 23 27 31 36

      AZ: 322 325 330 333 338 343 346 349 354 358 3 6
      OBS: 0 0 16 5 0 0 3 0 26 2 0 0
      DPHI: 40 44 48 51 56 61 64 68 72 76 81 84

82 8 14 10 AZ: 230 230 230 238 278 286 295 309 318 324 335 341 351 357
R = 3.0 KM; OBS: 45 0 0 0 5 0 2 0 6 0 0 0 0 0
JDGMT: 1 DPHI: -51 -51 -51 -43 -4 4 13 27 36 42 53 59 69 75

82 8 14 10 AZ: 210 214 218 230 251 254 259 271 274 274 274 279 283 287 292 294 299 303 306 310 314 318 322
R = 5.0 KM; OBS: 4 16 0 16 0 3 0 2 0 25 13 0 0 0 0 3 0 5 9 5 0 0 1
JDGMT: 3 DPHI: -72 -68 -64 -52 -31 -28 -23 -11 -8 -8 -8 -3 1 5 10 12 17 21 24 28 32 36 40

      AZ: 326 329 334 339 342 345 351 0 2 7 10 14 18
      OBS: 8 0 2 0 0 9 0 0 0 1 10 4 0
      DPHI: 44 47 52 57 60 64 69 78 80 85 88 92 96

82 8 14 10 AZ: 219 227 230 233 236 242 248 254 260 270 273 279 285 291 296 302 308 314 321 326 331 340 345
R = 7.0 KM; OBS: 0 5 0 0 0 6 0 3 4 11 0 0 7 0 19 5 3 0 7 8 0 8 9
JDGMT: 3 DPHI: -63 -55 -52 -49 -46 -40 -34 -28 -22 -12 -9 -3 3 9 14 20 26 32 39 44 50 58 63

      AZ: 348 353 355 2 9 17
      OBS: 0 0 4 0 0 0
      DPHI: 66 71 73 80 87 96

82 8 14 10 AZ: 212 214 218 221

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R = 10.0 KM; OBS: 0 0 4 0  
 JDGMT: 0 DPHI: -69 -68 -64 -61

82 8 14 10 AZ: 225 230 233 242 248 254 261 266 272 278 284 290 302 309 314 320 326 332 338 344  
 R = 15.0 KM; OBS: 2 3 5 9 26 0 16 2 0 6 8 0 2 0 0 8 5 4 1 4  
 JDGMT: 3 DPHI: -57 -52 -49 -40 -34 -28 -21 -16 -10 -4 2 9 20 27 32 38 44 50 57 63

82 8 14 11 AZ: 187 195 204 205 211 220 227 235 243 252 260 268 277 284 291 304 310 318 326 335 342 350 1  
 R = 0.5 KM; OBS: 18 3 0 0 0 0 1 16 4 0 1 9 33 1 0 17 31 0 0 3 10 4 0  
 JDGMT: 3 DPHI: -93 -85 -77 -76 -69 -61 -54 -46 -38 -28 -20 -12 -4 3 11 24 30 37 45 54 62 69 80

AZ: 8 86  
 OBS: 3 3  
 DPHI: 87 165

82 8 14 11 AZ: 189 197 205 213 222 228 236 245 261 268 277 285 315 323 332 342 350 358 6 54 109  
 R = 1.0 KM; OBS: 8 9 0 27 1 2 11 0 0 7 0 19 7 0 3 35 0 8 0 6  
 JDGMT: 2 DPHI: -91 -84 -76 -68 -59 -52 -44 -35 -20 -12 -4 4 34 43 52 61 69 77 86 133 188

82 8 14 11 AZ: 207 209 213 217 221 228 233 238 241 246 249 252 257 262 264 273 275 280 285 289 305 309 313  
 R = 2.0 KM; OBS: 12 29 0 8 2 4 9 0 0 3 0 5 12 8 0 0 0 11 3 0 3 4  
 JDGMT: 2 DPHI: -74 -71 -67 -64 -60 -52 -48 -43 -40 -35 -32 -28 -24 -19 -16 -8 -5 0 5 8 25 28 32

AZ: 317 322 325 330 333 338 343 346 349 354 358 3 6  
 OBS: 14 1 0 0 0 8 3 16 4 0 0 1 3  
 DPHI: 37 41 45 49 52 57 62 65 69 73 77 82 85

82 8 14 11 AZ: 230 230 230 238 262 271 278 286 295 309 318 324 335 341 351 357  
 R = 3.0 KM; OBS: 8 0 32 39 19 0 23 0 0 0 0 10 1 11 2  
 JDGMT: 3 DPHI: -50 -50 -50 -42 -19 -10 -3 5 14 28 37 43 54 60 70 76

82 8 14 11 AZ: 210 214 218 221 230 251 254 259 271 274 274 274 279 283 287 292 294 299 303 306 310 314 318  
 R = 5.0 KM; OBS: 39 2 13 3 0 1 0 7 8 0 7 12 0 10 0 3 9 0 6 2 9 4 13  
 JDGMT: 2 DPHI: -71 -67 -63 -59 -51 -30 -27 -22 -10 -7 -7 -7 -2 2 6 11 13 18 22 25 29 33 37

AZ: 322 326 329 334 339 342 345 351 0 2 7 10 14 18  
 OBS: 0 7 0 9 0 0 0 0 0 0 0 3 0 0  
 DPHI: 41 45 48 53 58 61 65 70 79 81 86 89 93 97

82 8 14 11 AZ: 219 227 230 233 236 242 248 254 260 267 270 273 279 285 291 296 302 314 321 326 331 340 345  
 R = 7.0 KM; OBS: 0 0 15 4 6 9 2 0 0 10 0 11 5 0 2 25 18 0 3 2 61 14 2  
 JDGMT: 3 DPHI: -62 -54 -51 -48 -45 -39 -33 -27 -21 -14 -11 -8 -2 4 10 15 21 33 40 45 51 59 64

AZ: 348 353 355 2 9 17  
 OBS: 17 1 0 0 0 3  
 DPHI: 68 72 74 81 88 97

82 8 14 11 AZ: 212 214 218 221  
 R = 10.0 KM; OBS: 0 6 29 0  
 JDGMT: 0 DPHI: -68 -67 -63 -60

82 8 14 11 AZ: 225 230 233 242 248 254 261 266 272 278 284 290 298 302 309 314 320 326 332 338 344



R = 15.0 KM; OBS: 0 0 0 15 4 0 0 1 7 18 0 9 11 0 4 0 17 15 32 1 10  
 JDGMT: 2 DPHI: -56 -51 -48 -39 -33 -27 -20 -15 -9 -3 3 10 18 21 28 33 39 45 51 58 64

82 8 14 12 AZ: 187 195 204 205 211 220 227 235 243 252 260 268 277 284 291 304 310 318 326 335 342 350 1  
 R = 0.5 KM; OBS: 41 23 6 0 14 11 29 25 21 17 16 12 0 42 8 20 6 0 1 14 0 0 8  
 JDGMT: 3 DPHI: -81 -73 -65 -64 -57 -49 -42 -34 -26 -17 -9 -1 8 15 23 35 42 49 57 66 74 81 92

AZ: 8 86  
 OBS: 0 16  
 DPHI: 99 177

82 8 14 12 AZ: 109 189 197 205 213 222 228 236 245 261 268 277 285 315 323 332 342 350 358 6 54  
 R = 1.0 KM; OBS: 4 0 4 10 25 17 9 42 30 22 30 2 4 9 4 9 18 0 2 1 0  
 JDGMT: 3 DPHI: -160 -80 -72 -64 -56 -47 -41 -33 -24 -8 -1 8 16 46 55 64 73 81 89 98 145

82 8 14 12 AZ: 207 209 213 217 221 228 233 238 241 246 249 252 257 262 264 273 275 280 285 289 305 309 313  
 R = 2.0 KM; OBS: 0 4 28 8 14 25 56 35 23 65 53 70 21 9 12 2 0 0 7 4 7 10 3  
 JDGMT: 3 DPHI: -62 -60 -56 -52 -48 -40 -36 -31 -28 -23 -20 -16 -12 -7 -4 4 7 12 17 20 36 40 44

AZ: 317 322 325 330 333 338 343 346 349 354 358 3 6  
 OBS: 3 0 12 6 16 0 2 0 2 0 8 5  
 DPHI: 49 53 57 61 64 69 74 77 81 85 89 94 97

82 8 14 12 AZ: 230 230 230 238 262 271 278 286 295 309 318 324 335 341 351 357  
 R = 3.0 KM; OBS: 24 22 44 34 20 8 7 3 0 1 0 3 11 0 3 10  
 JDGMT: 2 DPHI: -38 -38 -38 -30 -7 2 9 17 26 40 49 55 66 72 82 88

82 8 14 12 AZ: 210 214 218 221 230 251 254 259 271 274 274 274 279 283 287 292 294 299 303 306 310 314 318  
 R = 5.0 KM; OBS: 8 8 8 7 26 14 8 47 13 8 9 7 5 3 23 0 3 0 3 0 9 0 4  
 JDGMT: 3 DPHI: -59 -55 -51 -48 -39 -18 -15 -10 2 5 5 5 10 14 18 23 25 30 34 37 41 45 49

AZ: 322 326 329 334 339 342 345 351 0 2 7 10 14 18  
 OBS: 0 3 7 0 0 0 3 3 1 0 0 14 0 3  
 DPHI: 53 57 60 65 70 73 77 82 91 93 98 101 105 109

82 8 14 12 AZ: 219 227 230 233 236 242 248 254 260 267 270 273 279 285 291 296 302 308 314 321 326 331 340  
 R = 7.0 KM; OBS: 46 54 50 37 31 38 75 39 41 22 45 12 5 3 148 0 0 5 0 13 5 6 9  
 JDGMT: 3 DPHI: -50 -42 -39 -36 -33 -27 -21 -15 -9 -2 1 4 10 16 22 27 33 39 45 52 57 63 71

AZ: 345 348 353 355 2 9 17  
 OBS: 11 1 0 0 0 0 0  
 DPHI: 76 79 84 86 93 100 109

82 8 14 12 AZ: 212 214 218 221  
 R = 10.0 KM; OBS: 3 4 14 47  
 JDGMT: 1 DPHI: -56 -55 -51 -48

82 8 14 12 AZ: 225 230 233 242 248 254 261 266 272 278 284 290 298 302 309 314 320 326 332 338 344  
 R = 15.0 KM; OBS: 15 22 6 0 13 11 16 29 30 59 53 41 72 63 79 16 85 84 62 31 21  
 JDGMT: 2 DPHI: -44 -39 -36 -27 -21 -15 -8 -3 3 9 15 21 30 33 40 45 51 57 63 70 76

82 8 14 13 AZ: 187 195 204 205 211 220 227 235 243 252 260 268 277 284 291 304 310 318 326 335 342 350 1

R = 0.5 KM; OBS: 116 126 131 102 127 96 117 161 112 100 98 99 101 90 97 110 106 1 116 157 242 255 267  
 JDGMT: 2 DPHI: -118 -110 -101 -100 -94 -86 -79 -71 -63 -53 -45 -37 -29 -22 -14 -1 5 13 20 29 37 45 55

AZ: 8 86  
 OBS: 277 187  
 DPHI: 62 141

82 8 14 13 AZ: 189 197 205 213 222 228 236 245 261 268 277 285 315 323 332 342 350 358 6 54 109  
 R = 1.0 KM; OBS: 48 0 69 43 76 76 81 131 107 86 3 88 93 146 171 197 208 223 131 207 0  
 JDGMT: 2 DPHI: -116 -109 -101 -93 -83 -77 -69 -60 -45 -37 -29 -21 10 18 27 37 44 52 61 109 164

82 8 14 13 AZ: 207 209 213 217 221 228 233 238 241 246 249 252 257 262 264 273 275 280 285 289 305 309 313  
 R = 2.0 KM; OBS: 3 23 85 83 90 24 41 96 31 63 96 67 70 77 54 36 35 63 39 66 67 70 80  
 JDGMT: 2 DPHI: -98 -96 -92 -89 -84 -77 -72 -68 -65 -59 -56 -53 -48 -44 -41 -32 -30 -25 -20 -16 0 3 7

AZ: 317 322 325 330 333 338 343 346 349 354 358 3 6  
 OBS: 86 89 94 121 136 137 187 178 171 195 205 232 213  
 DPHI: 12 16 20 24 28 32 37 41 44 48 53 57 60

82 8 14 13 AZ: 230 230 230 238 262 271 278 295 309 318 324 335 341 351 357  
 R = 3.0 KM; OBS: 14 12 6 24 39 41 0 87 136 133 130 107 132 17 77  
 JDGMT: 3 DPHI: -75 -75 -75 -67 -43 -35 -27 -11 4 12 19 29 35 46 51

82 8 14 13 AZ: 210 214 218 221 230 251 254 259 271 274 274 274 279 283 287 292 294 299 303 306 310 314 318  
 R = 5.0 KM; OBS: 14 37 10 35 8 39 36 51 79 49 54 72 64 83 134 131 141 141 188 191 160 183 160  
 JDGMT: 2 DPHI: -96 -92 -87 -84 -76 -54 -51 -47 -35 -31 -31 -31 -27 -23 -19 -14 -12 -7 -3 1 4 9 13

AZ: 322 326 329 334 339 342 345 351 0 2 7 10 14 18  
 OBS: 132 102 129 153 144 181 198 134 61 61 19 20 37 18  
 DPHI: 17 21 23 28 33 37 40 45 55 57 62 64 69 72

82 8 14 13 AZ: 219 227 230 233 236 242 248 254 260 267 270 273 279 285 291 296 302 308 314 321 326 331 340  
 R = 7.0 KM; OBS: 6 54 15 140 7 24 60 32 46 42 51 53 89 113 63 116 207 153 136 151 124 124 143  
 JDGMT: 3 DPHI: -87 -79 -75 -73 -69 -63 -58 -52 -46 -39 -36 -33 -27 -21 -15 -10 -4 2 9 15 21 26 34

AZ: 345 348 353 355 2 9 17  
 OBS: 51 101 55 31 67 49 47  
 DPHI: 39 43 48 50 57 63 72

82 8 14 13 AZ: 212 214 218 221  
 R = 10.0 KM; OBS: 29 10 29 35  
 JDGMT: 1 DPHI: -93 -91 -88 -84

82 8 14 13 AZ: 225 230 233 242 248 254 261 266 272 278 284 290 298 302 309 314 320 326 332 338  
 R = 15.0 KM; OBS: 8 8 22 45 25 21 35 43 65 78 125 146 167 124 88 67 42 43 40 44  
 JDGMT: 3 DPHI: -80 -76 -73 -63 -57 -51 -45 -39 -34 -27 -22 -15 -7 -3 3 9 15 20 27 33

82 8 14 14 AZ: 187 195 204 205 211 220 227 235 243 252 260 268 277 284 291 304 310 318 326 335 342 1 8  
 R = 0.5 KM; OBS: 163 166 159 317 208 210 228 238 254 0 269 322 274 277 288 321 350 372 341 353 401 374 362  
 JDGMT: 2 DPHI: -119 -110 -102 -101 -94 -86 -79 -71 -63 -54 -46 -38 -29 -22 -14 -2 5 12 20 29 37 55 62

AZ: 86

OBS: 341  
DPHI: 140

82 8 14 14 AZ: 189 197 205 213 222 228 236 245 261 268 277 285 315 323 332 342 350 358 6 54 109  
R = 1.0 KM; OBS: 78 12 90 55 123 135 195 188 252 280 0 291 239 217 213 253 280 328 346 341 164  
JDGMT: 2 DPHI: -117 -109 -101 -93 -84 -78 -70 -61 -45 -38 -29 -21 9 18 27 36 44 52 61 108 163

82 8 14 14 AZ: 207 209 213 217 221 228 233 238 241 246 249 252 257 262 264 273 275 280 285 289 305 309 313  
R = 2.0 KM; OBS: 40 43 50 24 25 18 41 29 19 14 55 64 88 129 133 104 88 103 127 148 77 138 144  
JDGMT: 2 DPHI: -99 -97 -93 -89 -85 -78 -73 -68 -65 -60 -57 -53 -49 -44 -41 -33 -30 -26 -20 -17 -1 3 7

AZ: 317 322 325 330 333 338 343 346 349 354 358 3 6  
OBS: 191 149 158 162 153 156 169 10 169 171 172 174 264  
DPHI: 12 16 20 24 27 32 37 40 43 48 52 57 60

82 8 14 14 AZ: 230 230 230 238 262 271 278 286 295 309 318 324 335 341 351 357  
R = 3.0 KM; OBS: 18 0 35 23 75 105 39 59 72 80 9 100 133 115 127 106  
JDGMT: 2 DPHI: -75 -75 -75 -67 -44 -35 -28 -20 -11 3 12 18 29 35 45 51

82 8 14 14 AZ: 210 214 218 221 230 251 254 259 271 274 274 274 279 283 287 292 294 299 303 306 310 314 318  
R = 5.0 KM; OBS: 14 8 8 21 10 26 21 74 32 34 45 0 53 81 67 97 92 96 112 111 115 101 116  
JDGMT: 2 DPHI: -96 -92 -88 -85 -76 -55 -52 -47 -35 -32 -32 -32 -27 -23 -19 -14 -12 -7 -3 0 4 8 12

AZ: 322 326 329 334 339 342 345 351 0 2 7 10 14 18  
OBS: 99 115 137 106 6 109 139 118 106 58 69 57 52 41  
DPHI: 16 20 23 28 33 36 40 45 54 56 61 64 68 72

82 8 14 14 AZ: 219 227 230 233 236 242 248 254 260 267 270 273 279 285 291 296 302 308 314 321 326 331 340  
R = 7.0 KM; OBS: 6 3 9 44 20 24 0 20 21 35 30 34 38 74 52 113 123 122 133 117 244 153 117  
JDGMT: 3 DPHI: -87 -79 -76 -73 -70 -64 -58 -52 -46 -39 -36 -33 -27 -21 -15 -10 -4 2 8 15 20 26 34

AZ: 345 348 353 355 2 9 17  
OBS: 52 99 83 64 24 69 41  
DPHI: 39 42 47 49 56 63 72

82 8 14 14 AZ: 212 214 218 221  
R = 10.0 KM; OBS: 19 0 11 23  
JDGMT: 1 DPHI: -93 -92 -88 -85

82 8 14 14 AZ: 225 230 233 242 248 254 261 266 272 278 284 290 298 302 309 314 320 326 332 338 344  
R = 15.0 KM; OBS: 7 24 20 18 27 14 33 21 80 59 69 104 131 137 78 92 50 38 26 18 41  
JDGMT: 3 DPHI: -81 -76 -73 -64 -58 -52 -45 -40 -34 -28 -22 -16 -8 -4 3 8 14 20 26 33 39

82 8 14 15 AZ: 187 195 204 205 211 220 227 235 243 252 260 268 277 284 291 304 310 318 326 335 342 350 1  
R = 0.5 KM; OBS: 74 70 82 78 66 71 101 73 74 78 78 71 24 69 66 68 75 64 80 66 63 69 66  
JDGMT: 3 DPHI: -114 -106 -97 -96 -90 -81 -74 -66 -58 -49 -41 -33 -24 -17 -10 3 9 17 25 34 41 49 60

AZ: 8 86  
OBS: 69 85  
DPHI: 67 145

82 8 14 15 AZ: 189 197 205 213 222 228 236 245 261 268 277 285 315 323 332 342 350 358 6 54 109

|              |       |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| R = 1.0 KM;  | OBS:  | 73    | 80   | 81   | 85  | 99  | 91  | 113 | 98  | 90  | 31  | 0   | 87  | 63  | 63  | 68  | 65  | 43  | 76  | 74  | 78  | 267 |     |     |     |     |     |
| JDGMT:       | 2     | DPHI: | -112 | -104 | -96 | -88 | -79 | -73 | -65 | -56 | -40 | -33 | -24 | -16 | 14  | 22  | 31  | 41  | 49  | 57  | 65  | 113 | 168 |     |     |     |     |
|              |       |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82           | 8     | 14    | 15   | AZ:  | 207 | 209 | 213 | 217 | 221 | 228 | 233 | 238 | 241 | 246 | 249 | 252 | 257 | 262 | 264 | 273 | 275 | 280 | 285 | 289 | 305 | 309 | 313 |
| R = 2.0 KM;  | OBS:  | 78    | 91   | 62   | 70  | 64  | 65  | 55  | 87  | 45  | 82  | 70  | 60  | 55  | 57  | 53  | 58  | 51  | 53  | 47  | 58  | 59  | 54  | 55  |     |     |     |
| JDGMT:       | 2     | DPHI: | -94  | -92  | -88 | -84 | -80 | -73 | -68 | -63 | -60 | -55 | -52 | -49 | -44 | -39 | -37 | -28 | -26 | -21 | -16 | -12 | 4   | 8   | 12  |     |     |
|              |       |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 317   | 322  | 325  | 330 | 333 | 338 | 343 | 346 | 349 | 354 | 358 | 3   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 62    | 50   | 64   | 71  | 71  | 66  | 66  | 77  | 73  | 84  | 91  | 84  | 94  |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 16    | 21   | 24   | 29  | 32  | 37  | 42  | 45  | 48  | 53  | 57  | 62  | 65  |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |       |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82           | 8     | 14    | 15   | AZ:  | 230 | 230 | 230 | 238 | 262 | 271 | 278 | 286 | 295 | 309 | 318 | 324 | 335 | 341 | 351 | 357 |     |     |     |     |     |     |     |
| R = 3.0 KM;  | OBS:  | 70    | 83   | 49   | 59  | 63  | 57  | 49  | 58  | 57  | 76  | 70  | 73  | 86  | 96  | 96  | 80  |     |     |     |     |     |     |     |     |     |     |
| JDGMT:       | 2     | DPHI: | -71  | -71  | -71 | -63 | -39 | -30 | -23 | -15 | -6  | 8   | 17  | 23  | 34  | 40  | 50  | 56  |     |     |     |     |     |     |     |     |     |
|              |       |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82           | 8     | 14    | 15   | AZ:  | 210 | 214 | 218 | 221 | 230 | 251 | 254 | 259 | 271 | 274 | 274 | 274 | 279 | 283 | 287 | 292 | 294 | 299 | 303 | 306 | 310 | 314 | 318 |
| R = 5.0 KM;  | OBS:  | 17    | 6    | 16   | 22  | 27  | 20  | 35  | 44  | 43  | 34  | 38  | 32  | 53  | 45  | 46  | 50  | 16  | 12  | 80  | 80  | 101 | 95  | 104 |     |     |     |
| JDGMT:       | 3     | DPHI: | -91  | -87  | -83 | -80 | -71 | -50 | -47 | -42 | -30 | -27 | -27 | -27 | -22 | -18 | -14 | -9  | -7  | -2  | 2   | 5   | 9   | 13  | 17  |     |     |
|              |       |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 322   | 326  | 329  | 334 | 339 | 342 | 345 | 351 | 0   | 2   | 7   | 10  | 14  | 18  |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 95    | 118  | 99   | 99  | 98  | 101 | 90  | 92  | 91  | 90  | 96  | 110 | 95  | 83  |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 21    | 25   | 28   | 33  | 38  | 41  | 44  | 50  | 59  | 61  | 66  | 69  | 73  | 77  |     |     |     |     |     |     |     |     |     |     |     |     |
|              |       |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82           | 8     | 14    | 15   | AZ:  | 219 | 227 | 230 | 233 | 236 | 242 | 248 | 254 | 260 | 267 | 270 | 279 | 285 | 291 | 296 | 302 | 308 | 314 | 321 | 326 | 331 | 340 | 345 |
| R = 7.0 KM;  | OBS:  | 2     | 17   | 2    | 21  | 2   | 17  | 16  | 44  | 19  | 37  | 89  | 37  | 40  | 59  | 84  | 87  | 95  | 83  | 88  | 88  | 105 | 44  |     |     |     |     |
| JDGMT:       | 3     | DPHI: | -82  | -74  | -71 | -68 | -65 | -59 | -53 | -47 | -41 | -34 | -31 | -22 | -16 | -10 | -5  | 1   | 7   | 13  | 20  | 25  | 30  | 39  | 44  |     |     |
|              |       |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 348   | 353  | 355  | 2   | 9   | 17  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 32    | 94   | 71   | 69  | 63  | 63  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 47    | 52   | 54   | 61  | 68  | 76  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |       |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82           | 8     | 14    | 15   | AZ:  | 212 | 214 | 218 | 221 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 10.0 KM; | OBS:  | 0     | 35   | 27   | 27  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT:       | 1     | DPHI: | -89  | -87  | -83 | -80 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |       |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82           | 8     | 14    | 15   | AZ:  | 225 | 230 | 233 | 242 | 248 | 254 | 261 | 266 | 272 | 278 | 284 | 290 | 298 | 302 | 309 | 314 | 320 | 326 | 332 | 338 | 344 |     |     |
| R = 15.0 KM; | OBS:  | 4     | 16   | 30   | 3   | 9   | 11  | 14  | 19  | 22  | 43  | 54  | 86  | 70  | 97  | 58  | 96  | 76  | 56  | 17  | 28  | 41  |     |     |     |     |     |
| JDGMT:       | 3     | DPHI: | -76  | -71  | -68 | -59 | -53 | -47 | -40 | -35 | -29 | -23 | -17 | -11 | -3  | 1   | 8   | 13  | 19  | 25  | 31  | 37  | 43  |     |     |     |     |
|              |       |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82           | 8     | 14    | 16   | AZ:  | 187 | 195 | 204 | 205 | 211 | 220 | 227 | 235 | 243 | 252 | 260 | 268 | 277 | 284 | 291 | 304 | 310 | 318 | 326 | 335 | 342 | 350 | 1   |
| R = 0.5 KM;  | OBS:  | 167   | 149  | 147  | 208 | 151 | 142 | 142 | 151 | 161 | 103 | 139 | 184 | 153 | 171 | 181 | 3   | 212 | 201 | 177 | 179 | 199 | 202 | 211 |     |     |     |
| JDGMT:       | 2     | DPHI: | -107 | -99  | -90 | -89 | -83 | -75 | -67 | -59 | -51 | -42 | -34 | -26 | -17 | -11 | -3  | 10  | 16  | 24  | 32  | 40  | 48  | 56  | 66  |     |     |
|              |       |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 8     | 86   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 225   | 235  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 74    | 152  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |       |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82           | 8     | 14    | 16   | AZ:  | 189 | 197 | 205 | 213 | 222 | 228 | 236 | 245 | 261 | 268 | 277 | 285 | 315 | 323 | 332 | 342 | 350 | 358 | 6   | 54  | 109 |     |     |
| R = 1.0 KM;  | OBS:  | 212   | 225  | 183  | 175 | 144 | 132 | 123 | 155 | 102 | 96  | 288 | 72  | 115 | 119 | 136 | 150 | 164 | 169 | 162 | 174 | 327 |     |     |     |     |     |
| JDGMT:       | 2     | DPHI: | -105 | -98  | -89 | -82 | -72 | -66 | -58 | -49 | -34 | -26 | -17 | -10 | 21  | 29  | 38  | 48  | 55  | 64  | 72  | 120 | 175 |     |     |     |     |
|              |       |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82           | 8     | 14    | 16   | AZ:  | 207 | 209 | 213 | 217 | 221 | 228 | 233 | 238 | 241 | 246 | 249 | 252 | 257 | 262 | 264 | 273 | 275 | 280 | 285 | 289 | 305 | 309 | 313 |

|              |       |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|--------------|-------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| R = 2.0 KM;  | OBS:  | 169   | 160  | 136 | 126 | 106 | 99  | 106 | 138 | 62  | 47  | 52  | 84  | 69  | 76  | 62  | 66  | 68  | 79  | 76  | 59  | 62  | 66  | 72  |    |
| JDGMT:       | 2     | DPHI: | -87  | -85 | -81 | -77 | -73 | -66 | -61 | -57 | -53 | -48 | -45 | -42 | -37 | -33 | -30 | -21 | -19 | -14 | -9  | -5  | 11  | 15  | 18 |
|              | AZ:   | 317   | 322  | 325 | 330 | 333 | 338 | 343 | 346 | 349 | 354 | 358 | 3   | 6   |     |     |     |     |     |     |     |     |     |     |    |
|              | OBS:  | 70    | 70   | 80  | 83  | 81  | 89  | 85  | 103 | 86  | 86  | 83  | 88  | 88  |     |     |     |     |     |     |     |     |     |     |    |
|              | DPHI: | 23    | 27   | 31  | 35  | 39  | 43  | 48  | 52  | 55  | 60  | 64  | 68  | 71  |     |     |     |     |     |     |     |     |     |     |    |
| 82 8 14 16   | AZ:   | 230   | 230  | 230 | 238 | 262 | 271 | 278 | 286 | 295 | 309 | 318 | 324 | 335 | 341 | 351 | 357 |     |     |     |     |     |     |     |    |
| R = 3.0 KM;  | OBS:  | 68    | 71   | 93  | 9   | 47  | 50  | 59  | 53  | 65  | 87  | 84  | 83  | 264 | 96  | 80  | 81  |     |     |     |     |     |     |     |    |
| JDGMT:       | 2     | DPHI: | -64  | -64 | -64 | -56 | -32 | -24 | -16 | -9  | 0   | 15  | 24  | 30  | 40  | 46  | 57  | 62  |     |     |     |     |     |     |    |
| 82 8 14 16   | AZ:   | 210   | 214  | 218 | 221 | 230 | 251 | 254 | 259 | 271 | 274 | 274 | 274 | 279 | 283 | 287 | 292 | 294 | 299 | 303 | 306 | 310 | 314 | 318 |    |
| R = 5.0 KM;  | OBS:  | 27    | 29   | 29  | 31  | 37  | 37  | 50  | 44  | 43  | 43  | 49  | 67  | 44  | 50  | 69  | 71  | 44  | 76  | 82  | 82  | 84  | 82  | 90  |    |
| JDGMT:       | 3     | DPHI: | -84  | -81 | -76 | -73 | -64 | -43 | -40 | -36 | -24 | -20 | -20 | -20 | -16 | -12 | -8  | -2  | 0   | 4   | 8   | 12  | 15  | 20  | 24 |
|              | AZ:   | 322   | 326  | 329 | 334 | 339 | 342 | 345 | 351 | 0   | 2   | 7   | 10  | 14  | 18  |     |     |     |     |     |     |     |     |     |    |
|              | OBS:  | 86    | 79   | 84  | 72  | 64  | 70  | 66  | 70  | 82  | 44  | 85  | 74  | 72  | 57  |     |     |     |     |     |     |     |     |     |    |
|              | DPHI: | 28    | 32   | 34  | 40  | 45  | 48  | 51  | 57  | 66  | 68  | 73  | 75  | 80  | 84  |     |     |     |     |     |     |     |     |     |    |
| 82 8 14 16   | AZ:   | 219   | 227  | 230 | 233 | 236 | 242 | 248 | 254 | 260 | 267 | 270 | 273 | 279 | 285 | 291 | 296 | 302 | 308 | 314 | 321 | 326 | 331 | 340 |    |
| R = 7.0 KM;  | OBS:  | 17    | 15   | 51  | 39  | 57  | 37  | 4   | 30  | 34  | 45  | 35  | 35  | 38  | 27  | 66  | 71  | 83  | 107 | 18  | 77  | 102 | 82  | 99  |    |
| JDGMT:       | 3     | DPHI: | -76  | -68 | -64 | -62 | -58 | -52 | -47 | -40 | -35 | -28 | -24 | -22 | -16 | -10 | -4  | 1   | 8   | 13  | 20  | 27  | 32  | 37  | 45 |
|              | AZ:   | 345   | 348  | 353 | 355 | 2   | 9   | 17  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|              | OBS:  | 65    | 70   | 74  | 0   | 44  | 62  | 45  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|              | DPHI: | 50    | 54   | 59  | 61  | 68  | 74  | 83  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 82 8 14 16   | AZ:   | 212   | 214  | 218 | 221 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| R = 10.0 KM; | OBS:  | 16    | 15   | 20  | 31  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| JDGMT:       | 1     | DPHI: | -82  | -80 | -77 | -73 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 82 8 14 16   | AZ:   | 225   | 230  | 233 | 242 | 248 | 254 | 261 | 266 | 272 | 278 | 284 | 290 | 298 | 302 | 309 | 314 | 320 | 326 | 332 | 338 | 344 |     |     |    |
| R = 15.0 KM; | OBS:  | 32    | 28   | 23  | 20  | 18  | 13  | 25  | 30  | 29  | 54  | 64  | 60  | 81  | 100 | 93  | 79  | 64  | 51  | 71  | 49  | 21  |     |     |    |
| JDGMT:       | 3     | DPHI: | -69  | -65 | -62 | -52 | -46 | -40 | -34 | -28 | -23 | -16 | -10 | -4  | 4   | 8   | 14  | 20  | 26  | 31  | 38  | 44  | 50  |     |    |
| 82 8 14 17   | AZ:   | 187   | 195  | 204 | 205 | 211 | 220 | 227 | 235 | 243 | 252 | 260 | 268 | 277 | 284 | 291 | 304 | 310 | 318 | 326 | 335 | 342 | 350 | 1   |    |
| R = 0.5 KM;  | OBS:  | 267   | 280  | 300 | 284 | 342 | 309 | 316 | 343 | 351 | 339 | 363 | 338 | 340 | 396 | 394 | 334 | 333 | 336 | 332 | 339 | 304 | 280 | 255 |    |
| JDGMT:       | 3     | DPHI: | -82  | -74 | -65 | -64 | -58 | -50 | -43 | -35 | -27 | -17 | -9  | -1  | 7   | 14  | 22  | 35  | 41  | 49  | 56  | 65  | 73  | 80  | 91 |
|              | AZ:   | 8     | 86   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|              | OBS:  | 243   | 240  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|              | DPHI: | 98    | 177  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 82 8 14 17   | AZ:   | 109   | 189  | 197 | 205 | 213 | 222 | 228 | 236 | 245 | 261 | 268 | 277 | 285 | 315 | 323 | 332 | 342 | 350 | 358 | 6   | 54  |     |     |    |
| R = 1.0 KM;  | OBS:  | 173   | 326  | 365 | 336 | 384 | 335 | 339 | 334 | 308 | 277 | 263 | 120 | 267 | 71  | 177 | 253 | 301 | 244 | 197 | 176 | 122 |     |     |    |
| JDGMT:       | 2     | DPHI: | -160 | -80 | -73 | -65 | -57 | -47 | -41 | -33 | -24 | -9  | -1  | 7   | 15  | 46  | 54  | 63  | 73  | 80  | 88  | 97  | 144 |     |    |
| 82 8 14 17   | AZ:   | 207   | 209  | 213 | 217 | 221 | 228 | 233 | 238 | 241 | 246 | 249 | 252 | 257 | 262 | 264 | 273 | 275 | 280 | 285 | 289 | 305 | 309 | 313 |    |
| R = 2.0 KM;  | OBS:  | 393   | 356  | 386 | 404 | 356 | 311 | 287 | 366 | 241 | 232 | 212 | 195 | 256 | 237 | 243 | 202 | 184 | 205 | 192 | 223 | 74  | 159 | 94  |    |
| JDGMT:       | 2     | DPHI: | -62  | -60 | -56 | -53 | -48 | -41 | -36 | -32 | -29 | -23 | -20 | -17 | -12 | -8  | -5  | 4   | 6   | 11  | 16  | 20  | 36  | 39  | 43 |
|              | AZ:   | 317   | 322  | 325 | 330 | 333 | 338 | 343 | 346 | 349 | 354 | 358 | 3   | 6   |     |     |     |     |     |     |     |     |     |     |    |

|        |      |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------|------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|        |      | OBS:  | 140  | 108 | 0   | 80  | 78  | 83  | 87  | 88  | 84  | 80  | 97  | 74  | 72  |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | 48   | 52  | 56  | 60  | 64  | 68  | 73  | 77  | 80  | 84  | 89  | 93  | 96  |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 14    | 17   | AZ: | 230 | 230 | 230 | 238 | 262 | 271 | 278 | 286 | 295 | 309 | 318 | 324 | 335 | 341 | 351 | 357 |     |     |     |     |     |     |     |
| R =    | 3.0  | KM;   | OBS: | 328 | 365 | 334 | 233 | 193 | 181 | 116 | 97  | 59  | 74  | 65  | 61  | 66  | 63  | 33  | 78  |     |     |     |     |     |     |     |     |
| JDGMT: | 2    | DPHI: | -39  | -39 | -39 | -31 | -7  | 1   | 9   | 16  | 25  | 40  | 48  | 55  | 65  | 71  | 82  | 87  |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 14    | 17   | AZ: | 210 | 214 | 218 | 221 | 230 | 251 | 254 | 259 | 271 | 274 | 274 | 274 | 279 | 283 | 287 | 292 | 294 | 299 | 303 | 306 | 310 | 314 | 318 |
| R =    | 5.0  | KM;   | OBS: | 284 | 193 | 212 | 191 | 151 | 107 | 133 | 147 | 88  | 75  | 67  | 76  | 48  | 75  | 79  | 74  | 66  | 68  | 64  | 22  | 71  | 37  | 69  |     |
| JDGMT: | 2    | DPHI: | -60  | -56 | -51 | -48 | -40 | -18 | -15 | -11 | 1   | 5   | 5   | 5   | 9   | 13  | 17  | 22  | 24  | 29  | 33  | 37  | 40  | 45  | 49  |     |     |
|        |      | AZ:   | 322  | 326 | 329 | 334 | 339 | 342 | 345 | 351 | 0   | 2   | 7   | 10  | 14  | 18  |     |     |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 59   | 58  | 66  | 71  | 61  | 52  | 58  | 45  | 41  | 34  | 50  | 30  | 0   | 23  |     |     |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | 53   | 57  | 59  | 64  | 69  | 73  | 76  | 81  | 91  | 93  | 98  | 100 | 105 | 108 |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 14    | 17   | AZ: | 219 | 227 | 230 | 233 | 236 | 242 | 248 | 254 | 260 | 267 | 270 | 273 | 279 | 285 | 291 | 296 | 302 | 308 | 314 | 321 | 326 | 331 | 340 |
| R =    | 7.0  | KM;   | OBS: | 35  | 7   | 39  | 53  | 53  | 48  | 53  | 88  | 51  | 57  | 55  | 48  | 58  | 66  | 39  | 68  | 61  | 60  | 67  | 52  | 43  | 42  | 52  |     |
| JDGMT: | 3    | DPHI: | -51  | -43 | -39 | -37 | -33 | -27 | -22 | -16 | -10 | -3  | 0   | 3   | 9   | 15  | 21  | 26  | 32  | 38  | 45  | 51  | 57  | 62  | 62  | 70  |     |
|        |      | AZ:   | 348  | 353 | 355 | 2   | 9   | 17  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 56   | 50  | 59  | 24  | 23  | 22  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | 79   | 84  | 86  | 93  | 99  | 108 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 14    | 17   | AZ: | 212 | 214 | 218 | 221 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R =    | 10.0 | KM;   | OBS: | 32  | 16  | 26  | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: | 1    | DPHI: | -57  | -55 | -52 | -48 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 14    | 17   | AZ: | 225 | 230 | 233 | 242 | 248 | 254 | 261 | 266 | 272 | 278 | 284 | 290 | 298 | 302 | 309 | 314 | 320 | 326 | 332 | 338 | 344 |     |     |
| R =    | 15.0 | KM;   | OBS: | 19  | 15  | 27  | 15  | 27  | 15  | 47  | 33  | 36  | 62  | 50  | 92  | 70  | 80  | 76  | 47  | 49  | 23  | 31  | 36  | 47  |     |     |     |
| JDGMT: | 3    | DPHI: | -44  | -40 | -37 | -27 | -21 | -15 | -9  | -3  | 2   | 9   | 14  | 21  | 29  | 33  | 39  | 45  | 51  | 56  | 63  | 69  | 75  |     |     |     |     |
| 82     | 8    | 14    | 18   | AZ: | 86  | 187 | 195 | 204 | 205 | 211 | 220 | 227 | 235 | 243 | 252 | 260 | 268 | 277 | 284 | 291 | 304 | 310 | 318 | 326 | 335 | 342 | 350 |
| R =    | 0.5  | KM;   | OBS: | 0   | 46  | 47  | 60  | 46  | 50  | 42  | 43  | 49  | 47  | 43  | 39  | 47  | 56  | 50  | 48  | 50  | 62  | 62  | 58  | 50  | 40  | 47  |     |
| JDGMT: | 2    | DPHI: | -181 | -80 | -72 | -63 | -62 | -55 | -47 | -40 | -32 | -24 | -15 | -7  | 1   | 10  | 17  | 25  | 37  | 44  | 51  | 59  | 68  | 76  | 83  |     |     |
|        |      | AZ:   | 1    | 8   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 42   | 63  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | 94   | 101 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 14    | 18   | AZ: | 109 | 189 | 197 | 205 | 213 | 222 | 228 | 236 | 245 | 261 | 268 | 277 | 285 | 315 | 323 | 332 | 342 | 350 | 358 | 6   | 54  |     |     |
| R =    | 1.0  | KM;   | OBS: | 65  | 46  | 120 | 53  | 77  | 57  | 45  | 49  | 58  | 43  | 39  | 62  | 51  | 38  | 42  | 32  | 48  | 49  | 107 | 38  | 23  |     |     |     |
| JDGMT: | 2    | DPHI: | -158 | -78 | -70 | -62 | -54 | -45 | -39 | -31 | -22 | -6  | 1   | 10  | 18  | 48  | 57  | 66  | 75  | 83  | 91  | 99  | 147 |     |     |     |     |
| 82     | 8    | 14    | 18   | AZ: | 207 | 209 | 213 | 217 | 221 | 228 | 233 | 238 | 241 | 246 | 249 | 252 | 257 | 262 | 264 | 273 | 275 | 280 | 285 | 289 | 305 | 309 | 313 |
| R =    | 2.0  | KM;   | OBS: | 184 | 131 | 81  | 70  | 102 | 47  | 56  | 71  | 64  | 63  | 52  | 65  | 60  | 48  | 0   | 71  | 54  | 61  | 52  | 69  | 45  | 36  | 45  |     |
| JDGMT: | 2    | DPHI: | -60  | -58 | -54 | -50 | -46 | -39 | -34 | -29 | -26 | -21 | -18 | -15 | -10 | -5  | -2  | 6   | 9   | 13  | 18  | 22  | 38  | 42  | 46  |     |     |
|        |      | AZ:   | 317  | 322 | 325 | 330 | 333 | 338 | 343 | 346 | 349 | 354 | 358 | 3   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | OBS:  | 37   | 40  | 39  | 36  | 46  | 40  | 30  | 29  | 26  | 29  | 20  | 41  | 20  |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | 50   | 55  | 59  | 63  | 66  | 71  | 76  | 79  | 82  | 87  | 91  | 96  | 99  |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 8    | 14    | 18   | AZ: | 230 | 230 | 230 | 238 | 262 | 271 | 278 | 286 | 295 | 309 | 318 | 324 | 335 | 341 | 351 | 357 |     |     |     |     |     |     |     |

R = 3.0 KM; OBS: 25 59 68 68 60 61 49 40 41 73 36 33 51 37 30 24  
 JDGMT: 3 DPHI: -36 -36 -36 -28 -5 4 11 19 28 42 51 57 68 74 84 90

82 8 14 18 AZ: 210 214 218 221 230 251 254 259 271 274 274 274 279 283 287 292 294 299 303 306 310 314 318  
 R = 5.0 KM; OBS: 281 233 219 231 190 65 38 58 50 49 32 47 65 70 58 55 32 33 33 67 34 30 40  
 JDGMT: 2 DPHI: -57 -53 -49 -46 -37 -16 -13 -8 4 7 7 7 12 16 20 25 27 32 36 39 43 47 51

AZ: 322 326 329 334 339 342 345 351 0 2 7 10 14 18  
 OBS: 27 29 33 26 53 24 31 31 20 24 19 36 24 14  
 DPHI: 55 59 62 67 72 75 79 84 93 95 100 103 107 111

82 8 14 18 AZ: 219 227 230 233 236 242 248 254 267 270 273 279 285 291 296 302 308 314 321 326 331 340 345  
 R = 7.0 KM; OBS: 217 110 150 165 178 92 74 66 32 66 53 13 50 58 47 34 32 39 24 55 30 31 22  
 JDGMT: 2 DPHI: -48 -40 -37 -34 -31 -25 -19 -13 0 3 6 12 18 24 29 35 41 47 54 59 65 73 78

AZ: 348 353 355 2 9 17  
 OBS: 26 17 27 21 5 14  
 DPHI: 81 86 88 95 102 111

82 8 14 18 AZ: 212 214 218 221  
 R = 10.0 KM; OBS: 84 71 130 124  
 JDGMT: 1 DPHI: -54 -53 -49 -46

82 8 14 18 AZ: 225 230 233 242 248 254 261 266 272 278 284 290 298 302 309 314 320 326 332 338 344  
 R = 15.0 KM; OBS: 11 28 18 15 34 22 56 33 98 78 63 61 33 41 129 21 58 24 32 31 45  
 JDGMT: 3 DPHI: -42 -37 -34 -25 -19 -13 -6 -1 5 11 17 23 31 35 42 47 53 59 65 71 78

82 8 15 11 AZ: 125 134 141 150 157 165 173 182 187 195 204 205 211 220 227 235 243 252 260 268 277 284 291  
 R = 0.5 KM; OBS: 5 5 0 5 0 0 23 10 3 21 19 0 0 38 10 0 4 7 3 5 0 2 0  
 JDGMT: 3 DPHI: -157 -148 -141 -132 -125 -117 -109 -100 -94 -86 -78 -77 -70 -62 -55 -47 -39 -29 -21 -13 -5 2 10

AZ: 304 310 318 326 335 342 350 1 8 16 23 23 30 42 47 54 62 71 78 87 94 101 110  
 OBS: 4 0 5 1 5 5 13 0 3 0 0 6 3 8 14 9 0 6 0 3 13 1 0  
 DPHI: 22 29 36 44 53 61 68 79 86 95 101 101 109 120 125 133 140 149 156 165 172 179 188

AZ: 113 118  
 OBS: 0 2  
 DPHI: 191 196

82 8 15 11 AZ: 187 207 209  
 R = 1.0 KM; OBS: 9 0 0  
 JDGMT: 0 DPHI: -95 -75 -72

82 8 15 11 AZ: 130 138 142 153 161 170 178 217 225 228 233 246 249 257 264 268 273 275 280 285 289 305 309  
 R = 2.0 KM; OBS: 10 6 3 5 4 0 0 4 0 4 0 10 0 3 4 1 28 5 11 4 0 3 0  
 JDGMT: 3 DPHI: -152 -144 -140 -128 -120 -112 -104 -65 -56 -53 -49 -36 -33 -25 -17 -14 -9 -6 -1 4 7 23 27

AZ: 313 322 325 330 338 346 354 3 33 42 58 66 70 94 97 106 114 122  
 OBS: 3 0 0 6 33 17 2 4 12 0 5 5 1 6 0 2 3 0  
 DPHI: 31 40 44 48 56 64 72 81 112 120 136 144 148 172 175 184 192 200

82 8 15 11 AZ: 241 356 356 10 59 59 59 59 59 59 59 59

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R = 3.0 KM; OBS:   5   6   0  29   6   5   0   5  63   5  12   0
JDGMT:  3  DPHI: -41  74  74  88 137 137 137 137 137 137 137 137

  82  8 15 11  AZ: 126 135 141 151 158 166 170 182 190 199 206 214 221 230 251 254 259 271 274 279 283 287 292
R = 5.0 KM; OBS:   5 197 10   4   0  20   4   0   0   5  21   0   4   0   0  12  32   6   8  10   0  16   5
JDGMT:  2  DPHI: -156 -147 -141 -131 -124 -115 -112 -100 -92 -83 -75 -68 -60 -52 -31 -28 -23 -11 -8 -3  1  5  10

      AZ: 294 299 303 303 303 306 310 318 326 334 342 351  0   7  22  30  38  46  54  62  70  78  86
      OBS:  0  12  10  10  10   5   3  13   5  11   3   3   6   0  29  2  36   0  10  28  1  3  1  4
      DPHI:  12  17  21  21  21  24  28  36  44  52  60  69  78  85 100 108 116 124 133 141 148 157 164

      AZ:  95 103 110 118
      OBS:  0  0   8   3
      DPHI: 173 181 188 196

  82  8 15 11  AZ: 233 244 270  66
R = 7.0 KM; OBS:   9   4   5   2
JDGMT:  1  DPHI: -49 -38 -12 145

  82  8 15 11  AZ: 123 131 140 146 155 163 170 178 186 194 201 212 218 229 233 251 260 267 273 281 290 298 306
R = 10.0 KM; OBS:  0   2   0   1   4   6   2   7   6   2   4   7   0   0  20   7   9  18   9   5   7  23   0
JDGMT:  3  DPHI: -159 -151 -142 -136 -127 -119 -111 -104 -96 -88 -81 -69 -64 -53 -49 -31 -22 -15 -8  0  9  16  24

      AZ: 314 322 331 339 346 354  2  10  19  26  34  43  51  59  74  84  91  97 106 114
      OBS:  0   0  15   4  28  15  0   0   4   1   0   5   0   4   0   7  11  0  0  2
      DPHI:  32  41  49  57  65  72  81  88  97 105 112 121 129 137 153 162 169 176 184 193

  82  8 15 12  AZ: 195 204 205 211 220 227 235 243 252 260 268 277 284 291 304 310 318 326 335 342 350  1  8
R = 0.5 KM; OBS:   2   2   1  12  14   0   0   5   2   6   4   5   4  11  3   6  12  10  3  4  1  4  0
JDGMT:  3  DPHI: -174 -165 -164 -158 -150 -143 -135 -127 -117 -109 -101 -93 -86 -78 -65 -59 -51 -44 -35 -27 -20 -9 -2

      AZ:  16  23  23  30  42  47  54  62  71  78  87  94 101 110 113 118 125 134 141 150 157 165 173
      OBS:  17  23   4   3   0   1   0   0   5   3   5  18  4  11  2   3  13  4  2  0  3  5  16
      DPHI:   7  13  13  21  32  37  45  52  62  69  78  84  91 100 104 108 115 124 132 140 148 155 163

      AZ: 180 182 187
      OBS:  9   0   5
      DPHI: 170 172 178

  82  8 15 12  AZ: 191 207 209 187
R = 1.0 KM; OBS:   0   0  12   0
JDGMT:  0  DPHI: -179 -163 -160 177

  82  8 15 12  AZ: 217 225 228 233 246 249 257 262 264 268 273 275 280 285 289 305 309 313 322 325 330 338 346
R = 2.0 KM; OBS:   0   5  10   3   1   0   0   0   2   6   5  22  15  3   5   5   5  3  0  5  9  14  10
JDGMT:  2  DPHI: -153 -144 -141 -137 -124 -120 -112 -108 -105 -101 -96 -94 -89 -84 -80 -64 -61 -57 -48 -44 -40 -32 -24

      AZ: 354  3  42  49  58  66  70  94  97 106 114 122 130 138 142 153 161 170 178
      OBS:   3  10  0   0   8   3  11  3  3  0  3  4  15  4  3  3  18  4  5
      DPHI: -16  -7  32  39  49  56  61  85  87  96 104 112 121 129 132 144 152 160 169

  82  8 15 12  AZ: 241 356 356 10  59  59  59  59  59  59  59  59

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R = 3.0 KM; OBS: 5 3 0 33 3 0 117 12 2 19 4 5
JDGMT: -3 DPHI: -129 -13 -13 0 49 50 50 50 50 50 50 50

82 8 15 12 AZ: 190 199 206 214 221 230 251 254 259 271 274 279 283 287 292 294 299 303 303 303 306 310 318
R = 5.0 KM; OBS: 3 25 17 5 3 11 12 0 8 3 11 5 4 2 0 15 0 3 11 0 4 3 15
JDGMT: 3 DPHI: -180 -171 -163 -156 -148 -140 -119 -116 -111 -99 -95 -91 -87 -83 -78 -76 -71 -67 -67 -67 -63 -60 -51

AZ: 326 334 342 351 0 7 30 38 46 54 62 70 78 86 95 103 110 118 126 135 141 151 158
OBS: 0 4 0 5 4 4 83 11 4 7 0 0 0 0 28 5 0 9 14 4 1 5 2
DPHI: -44 -36 -27 -19 -9 -2 20 29 36 45 53 61 69 76 85 93 100 108 117 126 132 141 148

AZ: 166 170 182
OBS: 31 0 2
DPHI: 157 161 173

82 8 15 12 AZ: 233 244 270 66
R = 7.0 KM; OBS: 5 5 5 3
JDGMT: 1 DPHI: -137 -126 -100 57

82 8 15 12 AZ: 194 201 212 218 229 233 251 260 267 273 281 290 298 306 314 322 331 339 346 354 2 10 19
R = 10.0 KM; OBS: 15 13 4 9 0 26 4 0 0 4 6 3 11 0 0 31 25 15 38 3 7 7 2
JDGMT: 3 DPHI: -176 -169 -157 -152 -141 -137 -119 -109 -103 -96 -88 -79 -71 -63 -55 -47 -39 -30 -23 -16 -7 0 9

AZ: 26 34 43 51 59 74 84 91 97 106 114 123 131 140 146 155 163 170 178 186
OBS: 26 46 7 1 14 3 13 4 0 0 0 5 0 0 25 7 0 17 9
DPHI: 17 24 33 41 49 65 74 81 88 96 105 113 121 130 136 145 154 161 169 177

82 8 15 13 AZ: 211 220 227 243 252 260 268 277 284 291 304 310 318 326 335 342 350 1 8 16 23 23 30
R = 0.5 KM; OBS: 0 4 7 0 0 5 3 4 3 1 0 2 9 16 5 32 0 15 3 7 1 1 10
JDGMT: 3 DPHI: -177 -169 -162 -146 -136 -128 -120 -112 -105 -97 -84 -78 -70 -63 -54 -46 -39 -28 -21 -12 -6 -6 2

AZ: 42 47 54 62 71 78 87 94 101 110 113 118 125 134 141 150 157 165 173 180 182 187 195
OBS: 2 0 6 0 0 4 6 2 12 6 5 1 9 3 6 10 0 19 6 7 0 4 11
DPHI: 13 18 26 33 42 50 58 65 72 81 84 89 96 105 113 121 128 136 144 151 153 159 167

AZ: 204 205
OBS: 0 15
DPHI: 175 176

82 8 15 13 AZ: 207 209 187 191
R = 1.0 KM; OBS: 12 1 20 34
JDGMT: 1 DPHI: -182 -179 158 162

82 8 15 13 AZ: 217 225 233 246 249 257 262 264 268 273 275 280 285 289 305 309 313 322 325 330 338 346 354
R = 2.0 KM; OBS: 0 4 0 0 0 3 0 5 0 4 13 7 0 5 4 0 4 2 3 4 18 5 0
JDGMT: 3 DPHI: -172 -163 -156 -143 -140 -131 -127 -124 -121 -116 -113 -108 -103 -100 -83 -80 -76 -67 -63 -59 -51 -43 -35

AZ: 3 33 42 49 58 66 70 94 97 106 114 122 130 138 142 153 161 170 178
OBS: 6 104 61 51 26 18 0 0 2 10 6 4 6 0 6 2 11 6 4
DPHI: -26 5 13 20 29 37 42 66 68 77 85 93 101 110 113 125 133 141 150

82 8 15 13 AZ: 241 356 356 10 59 59 59 59 59 59 59 59

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R = 3.0 KM; OBS: 2 0 0 41 7 5 6 0 0 0 5 6  
 JDGMT: -2 DPHI: -148 -32 -32 -19 30 30 30 30 30 30 30 30

82 8 15 13 AZ: 214 221 230 251 254 259 271 274 279 283 287 292 294 299 303 303 303 306 310 318 326 334 342  
 R = 5.0 KM; OBS: 5 4 6 1 20 44 5 3 5 5 0 6 0 17 0 54 11 3 0 7 15 4 0  
 JDGMT: 3 DPHI: -175 -167 -159 -138 -135 -130 -118 -115 -110 -106 -102 -97 -95 -90 -86 -86 -86 -83 -79 -71 -63 -55 -47

AZ: 351 0 7 22 30 38 46 54 62 70 78 86 95 103 110 118 126 135 141 151 158 166 170  
 OBS: 0 4 4 75 261 139 47 8 0 5 22 0 3 5 12 2 24 7 4 3 5 6 21  
 DPHI: -38 -29 -22 -7 1 9 17 26 34 42 50 57 66 74 81 89 98 107 113 122 129 138 142

AZ: 182 190 199 206  
 OBS: 3 7 5 13  
 DPHI: 153 161 170 178

82 8 15 13 AZ: 233 244 270 66  
 R = 7.0 KM; OBS: 10 6 0 0  
 JDGMT: 0 DPHI: -156 -145 -119 38

82 8 15 13 AZ: 212 218 229 233 251 260 267 273 281 290 298 306 314 322 331 339 346 354 2 10 19 26 34  
 R = 10.0 KM; OBS: 8 26 21 9 10 9 3 7 6 0 5 5 0 7 5 21 5 0 0 0 4 109 224  
 JDGMT: 3 DPHI: -176 -171 -160 -156 -138 -129 -122 -115 -107 -98 -91 -82 -75 -66 -58 -50 -42 -35 -26 -19 -10 -2 5

AZ: 43 51 59 74 84 91 97 106 114 123 131 140 146 155 163 170 178 186 194 201  
 OBS: 74 2 3 0 3 0 0 0 0 2 5 0 9 6 22 0 1 0 2  
 DPHI: 14 22 30 46 55 62 69 77 86 94 102 111 117 126 134 142 150 157 165 172

82 8 15 14 AZ: 195 204 205 211 220 227 235 252 260 268 277 284 291 304 310 318 326 335 342 350 1 8 16  
 R = 0.5 KM; OBS: 24 22 12 260 13 11 0 9 4 6 1 5 0 7 33 15 0 4 11 19 37 4 14  
 JDGMT: 2 DPHI: -162 -153 -152 -146 -138 -131 -123 -105 -97 -89 -81 -74 -66 -53 -47 -39 -32 -23 -15 -8 3 10 19

AZ: 23 23 30 42 47 54 62 71 78 87 94 101 110 113 118 125 134 141 150 157 165 173 180  
 OBS: 15 7 4 0 14 0 3 4 0 4 0 0 13 8 1 24 23 4 6 7 19 28 9  
 DPHI: 25 25 33 44 49 57 64 74 81 90 97 103 112 116 121 127 136 144 152 160 167 175 182

AZ: 182 187  
 OBS: 0 6  
 DPHI: 184 190

82 8 15 14 AZ: 207 209 187 191  
 R = 1.0 KM; OBS: 5 0 1 7  
 JDGMT: 1 DPHI: -151 -148 189 193

82 8 15 14 AZ: 217 225 228 233 246 249 257 262 264 268 273 275 280 285 289 305 309 313 322 325 330 338 346  
 R = 2.0 KM; OBS: 6 3 6 1 0 29 4 5 31 6 15 13 8 35 0 4 5 4 0 36 7 5 15  
 JDGMT: 3 DPHI: -141 -132 -129 -124 -112 -108 -100 -96 -93 -89 -84 -82 -77 -72 -68 -52 -49 -45 -36 -32 -28 -20 -11

AZ: 354 3 33 42 49 58 66 70 94 97 106 114 122 130 138 142 153 161 170 178  
 OBS: 7 0 125 85 10 21 4 19 11 5 25 8 0 16 34 4 10 22 5 8  
 DPHI: -4 5 36 44 52 61 68 73 97 99 108 116 124 133 141 144 156 164 172 181

82 8 15 14 AZ: 241 356 356 10 59 59 59 59 59 59 59 59

R = 3.0 KM; OBS: 5 14 20 16 6 4 11 19 6 5 13 0  
 JDGMT: 2 DPHI: -117 -1 -1 12 61 62 62 62 62 62 62 62

82 8 15 14 AZ: 199 206 214 221 230 251 254 259 271 274 279 283 287 292 294 299 303 303 303 306 310 318 326  
 R = 5.0 KM; OBS: 14 5 4 6 11 22 4 17 7 12 33 21 35 6 13 6 9 29 59 7 0 11 6  
 JDGMT: 3 DPHI: -159 -151 -144 -136 -128 -106 -104 -99 -87 -83 -79 -75 -71 -66 -64 -59 -55 -55 -55 -51 -48 -39 -31

AZ: 334 342 351 0 7 22 30 38 46 54 62 70 78 86 95 103 110 118 126 135 141 151 158  
 OBS: 5 2 0 39 28 111 295 180 1 5 17 4 1 0 0 0 6 5 0 3 6 5 1  
 DPHI: -24 -15 -7 3 10 24 32 41 48 57 65 73 81 89 97 105 113 120 129 138 144 153 161

AZ: 166 170 182 190  
 OBS: 0 4 14 4  
 DPHI: 169 173 185 192

82 8 15 14 AZ: 233 244 270 66  
 R = 7.0 KM; OBS: 0 9 36 5  
 JDGMT: 1 DPHI: -125 -113 -88 69

82 8 15 14 AZ: 201 212 218 229 233 251 260 267 273 281 290 298 306 314 322 331 339 346 354 2 10 19 26  
 R = 10.0 KM; OBS: 3 4 16 0 0 7 8 5 6 6 31 14 20 12 7 18 5 2 0 0 0 14 216  
 JDGMT: 3 DPHI: -157 -145 -140 -129 -124 -107 -97 -91 -84 -76 -67 -59 -51 -43 -35 -27 -18 -11 -4 5 12 21 29

AZ: 34 43 51 59 74 84 91 97 106 114 123 131 140 146 155 163 170 178 186 194  
 OBS: 167 27 0 14 2 23 5 0 0 11 6 5 0 4 4 7 9 0 3 0  
 DPHI: 36 45 53 61 77 86 93 100 108 117 125 133 142 148 157 166 173 181 189 196

82 8 15 15 AZ: 204 205 211 220 227 243 252 260 268 277 284 291 304 310 318 326 335 342 350 1 8 16 23  
 R = 0.5 KM; OBS: 1 1 0 0 6 0 0 6 0 3 5 13 0 3 6 1 4 8 2 3 3 10 0  
 JDGMT: 3 DPHI: -164 -163 -156 -148 -141 -125 -116 -108 -100 -91 -84 -76 -64 -57 -50 -42 -33 -25 -18 -7 0 9 15

AZ: 23 30 42 47 54 62 71 78 87 94 101 110 113 118 125 134 141 150 157 165 173 180 182  
 OBS: 2 4 0 0 28 0 2 1 3 12 8 5 5 0 6 2 3 17 3 0 14 9 4  
 DPHI: 15 22 34 39 46 54 63 70 79 86 93 102 105 110 117 126 133 142 149 157 165 172 174

AZ: 187  
 OBS: 0  
 DPHI: 179

82 8 15 15 AZ: 207 209 187 191  
 R = 1.0 KM; OBS: 0 13 10 5  
 JDGMT: 1 DPHI: -161 -159 179 183

82 8 15 15 AZ: 217 225 228 233 246 249 257 262 264 268 273 275 280 285 289 305 309 313 322 325 330 338 346  
 R = 2.0 KM; OBS: 5 4 8 0 5 0 3 25 59 5 5 2 4 6 7 7 3 4 1 7 10 0 11  
 JDGMT: 3 DPHI: -151 -143 -140 -135 -122 -119 -111 -106 -103 -100 -95 -92 -88 -82 -79 -63 -59 -55 -46 -42 -38 -30 -22

AZ: 354 3 33 42 49 58 66 70 94 97 106 114 122 130 138 142 153 161 170 178  
 OBS: 3 1 126 33 10 0 5 1 3 4 11 0 0 11 7 5 0 0 0 3  
 DPHI: -14 -5 26 34 41 50 58 62 86 89 98 106 114 122 130 134 146 154 162 170

82 8 15 15 AZ: 241 356 356 10 59 59 59 59 59 59 59

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R = 3.0 KM; OBS:    0    0    2  53   4   2  22  13   5   3   8
JDGMT:  2  DPHI: -127 -12  -12   2   51  51  51  51  51  51  51

82  8 15 15  AZ:  199 206 214 221 230 251 254 259 271 274 279 283 287 292 294 299 303 303 303 306 310 318 326
R = 5.0 KM; OBS:   32   5   0   0  23  13  11  11   7   19   6  17   1   5   3  13   5  34  60  7   2   0  21
JDGMT:  3  DPHI: -169 -162 -154 -147 -138 -117 -114 -109 -97 -94 -89 -85 -81 -76 -74 -69 -65 -65 -65 -62 -58 -50 -42

      AZ:  334 342 351   0   7  22  30  38  46  54  62  70  78  86  95 103 110 118 126 135 141 151 158
      OBS:   5  17   6   0  41 172 293 141 17   7   0   0   2  15   7   0   3   0   3   0   0   0   0
      DPHI: -34 -26 -17  -8  -1  14  22  30  38  47  54  62  70  78  87  95 102 110 118 127 133 143 150

      AZ:  166 170 182 190
      OBS:   0   0   3   3
      DPHI: 158 162 174 182

82  8 15 15  AZ:  233 244 270 66
R = 7.0 KM; OBS:   0   4   3   0
JDGMT:  0  DPHI: -135 -124 -98 58

82  8 15 15  AZ:  201 212 218 229 233 251 260 267 273 281 290 298 306 314 322 331 339 346 354 2  10  19  26
R = 10.0 KM; OBS:  10   8   3   0   6   6   8   3   8   9   0   9   3   4   2  12   0   0  16   6  19  79 181
JDGMT:  3  DPHI: -167 -155 -150 -139 -135 -117 -108 -101 -94 -86 -78 -70 -62 -54 -45 -37 -29 -22 -14  -6   2  11  19

      AZ:   34  43  51  59  74  84  91  97 106 114 123 131 140 146 155 163 170 178 186 194
      OBS:  102  4   0   5   6   4   8   0   3  10  4   0  18   0   0   3   0   3   0   0
      DPHI:  26  35  43  51  66  76  83  89  98 107 115 123 132 138 147 155 162 170 178 186

82  8 15 16  AZ:  204 205 211 220 227 243 252 260 268 277 284 291 304 310 318 326 335 342 350 1  8  16  23
R = 0.5 KM; OBS:   0  10   7  29   1  43   1   2   0   0   0   1   0   7  13  15   3  33  11  5   0  23  6
JDGMT:  2  DPHI: -182 -181 -174 -166 -159 -143 -133 -126 -118 -109 -102 -94 -82 -75 -68 -60 -51 -43 -36 -25 -18  -9  -3

      AZ:   23  30  42  47  54  62  71  78  87  94 101 110 113 118 125 134 141 150 157 165 173 180 182
      OBS:   1  21   0  11   0   1   4   0   3   2   3  11   4   5  10   5   4   3   0   3  99  46  12
      DPHI:  -3   5  16  21  29  36  45  52  61  68  75  84  87  92  99 108 115 124 131 139 147 154 156

      AZ:  195
      OBS:  10
      DPHI: 170

82  8 15 16  AZ:  207 209 187 191
R = 1.0 KM; OBS:   5   0   0   0
JDGMT:  0  DPHI: -179 -177 161 165

82  8 15 16  AZ:  217 225 228 233 246 249 257 262 264 268 273 275 280 285 289 305 309 313 322 325 330 338 346
R = 2.0 KM; OBS:   0   0   3   0  11   0   0   9   3   2   7   0   0  25   0   0   1   0   0   3  12   7   4
JDGMT:  3  DPHI: -169 -161 -157 -153 -140 -137 -129 -124 -121 -118 -113 -110 -105 -100 -97 -81 -77 -73 -64 -60 -56 -48 -40

      AZ:  354   3  33  42  49  58  66  70  94  97 106 114 122 130 138 142 153 161 170 178
      OBS:   0   1  88  34  11   0   0   9   0   0  11   6   3   7   3   0  18   3   0   0
      DPHI: -32 -23   8  16  23  32  40  44  68  71  80  88  96 104 112 116 128 136 144 152

82  8 15 16  AZ:  241 356 356 10  59  59  59  59  59  59  59  59

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R = 3.0 KM; OBS: 0 16 0 35 3 3 4 2 0 0 4 6
JDGMT: 2 DPHI: -145 -30 -30 -16 33 33 33 33 33 33 33 33

82 8 15 16 AZ: 206 214 221 230 251 254 259 271 274 279 283 287 292 294 299 303 303 303 310 318 326 334 342
R = 5.0 KM; OBS: 24 0 0 12 2 0 3 1 0 8 9 0 5 0 0 4 38 29 13 8 10 4 45
JDGMT: 3 DPHI: -180 -172 -165 -156 -135 -132 -127 -115 -112 -107 -103 -99 -94 -92 -87 -83 -83 -83 -76 -68 -60 -52 -44

AZ: 351 0 7 22 30 38 46 54 62 78 86 95 110 118 126 135 141 151 158 166 170 182 190
OBS: 67 19 9 251 209 50 32 2 1 0 0 2 55 7 2 0 1 0 3 0 49 5 0
DPHI: -35 -26 -19 -4 4 12 20 29 36 53 60 69 84 92 100 109 115 125 132 140 144 156 164

AZ: 199
OBS: 0
DPHI: 173

82 8 15 16 AZ: 233 244 270 66
R = 7.0 KM; OBS: 6 3 0 0
JDGMT: 0 DPHI: -153 -142 -116 41

82 8 15 16 AZ: 201 212 218 229 233 251 260 267 273 281 290 298 306 314 322 331 339 346 354 2 10 19 26
R = 10.0 KM; OBS: 2 0 3 2 3 4 0 0 0 6 2 6 0 0 0 6 10 0 4 0 44 156 132
JDGMT: 3 DPHI: -185 -173 -168 -157 -153 -135 -126 -119 -112 -104 -96 -88 -80 -72 -63 -55 -47 -40 -32 -24 -16 -7 1

AZ: 34 43 51 59 74 84 91 97 106 114 123 131 140 146 155 163 170 178 186 194
OBS: 25 0 0 28 0 11 4 0 2 2 0 2 0 1 3 10 0 4 4 0
DPHI: 8 17 25 33 49 58 65 71 80 89 97 105 114 120 129 137 144 152 160 168

82 8 15 17 AZ: 204 205 211 220 227 235 252 260 268 277 284 291 304 310 318 326 335 342 350 1 8 16 23
R = 0.5 KM; OBS: 0 0 5 2 0 5 0 0 0 0 0 17 1 0 13 4 2 27 1 0 0 2 2
JDGMT: 2 DPHI: -179 -178 -172 -164 -156 -148 -131 -123 -115 -106 -100 -92 -79 -73 -65 -57 -49 -41 -33 -22 -15 -7 -1

AZ: 23 30 42 47 54 62 71 78 87 94 101 110 113 118 125 134 141 150 157 165 173 180 182
OBS: 0 1 1 0 3 0 19 0 0 0 3 7 8 0 0 3 0 0 3 28 3 5 0
DPHI: 0 7 19 24 31 39 48 55 64 71 78 87 90 95 102 111 118 126 134 142 150 156 159

AZ: 187
OBS: 0
DPHI: 164

82 8 15 17 AZ: 191 207 209 187
R = 1.0 KM; OBS: 0 3 0 29
JDGMT: 0 DPHI: -192 -176 -174 164

82 8 15 17 AZ: 217 225 228 233 246 249 257 262 264 268 273 275 280 285 289 305 309 313 322 325 330 338 346
R = 2.0 KM; OBS: 0 0 0 0 0 0 0 2 5 6 0 3 21 0 0 0 2 0 0 8 3 8 0
JDGMT: 3 DPHI: -166 -158 -155 -150 -137 -134 -126 -122 -119 -115 -110 -108 -103 -98 -94 -78 -74 -70 -61 -58 -54 -45 -37

AZ: 354 3 33 42 49 58 66 70 94 97 106 122 130 138 142 153 161 170 178
OBS: 0 6 31 0 0 7 5 0 6 0 0 3 0 0 0 4 16 0 0
DPHI: -29 -21 10 19 26 35 43 47 71 74 83 99 107 115 119 130 138 147 155

82 8 15 17 AZ: 241 356 356 10 59 59 59 59 59 59 59 59

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R = 3.0 KM; OBS: 0 6 0 44 0 0 0 0 14 0 5 3
JDGMT: 3 DPHI: -142 -27 -27 -14 36 36 36 36 36 36 36 36

82 8 15 17 AZ: 199 206 214 221 230 251 254 259 271 274 279 283 287 292 294 299 303 303 303 310 318 326 334
R = 5.0 KM; OBS: 0 0 4 2 0 0 0 0 5 2 10 14 4 6 1 0 0 0 7 1 0 11 0
JDGMT: 3 DPHI: -185 -177 -169 -162 -153 -132 -129 -124 -112 -109 -104 -100 -97 -91 -89 -84 -81 -81 -81 -73 -65 -57 -49

AZ: 342 351 0 7 22 30 38 46 62 70 78 86 95 103 110 118 126 135 141 151 158 166 170
OBS: 0 6 4 32 80 77 4 15 1 3 2 6 0 1 9 0 11 14 0 0 0 10 13
DPHI: -41 -32 -23 -16 -1 7 15 23 39 47 55 63 72 80 87 95 103 112 118 127 135 143 147

AZ: 182 190
OBS: 0 2
DPHI: 159 167

82 8 15 17 AZ: 233 244 270 66
R = 7.0 KM; OBS: 1 0 0 0
JDGMT: 0 DPHI: -151 -139 -113 43

82 8 15 17 AZ: 194 201 212 218 229 233 251 260 267 273 281 290 298 306 314 322 331 339 346 354 2 10 19
R = 10.0 KM; OBS: 11 0 0 10 17 11 3 11 0 1 2 0 21 10 0 13 15 3 2 0 20 79 147
JDGMT: 3 DPHI: -189 -182 -171 -165 -154 -150 -132 -123 -116 -110 -102 -93 -85 -77 -69 -61 -53 -44 -37 -30 -21 -13 -5

AZ: 26 34 43 51 59 74 84 91 97 106 114 123 131 140 146 155 163 170 178 186
OBS: 56 17 0 0 14 2 0 0 0 0 0 0 21 10 0 1 5 1 18 0 30
DPHI: 3 11 19 28 36 51 61 68 74 83 91 99 108 117 123 132 140 147 155 163

82 8 15 18 AZ: 204 205 211 220 227 235 243 252 260 268 277 284 291 304 310 318 326 335 342 350 1 8 16
R = 0.5 KM; OBS: 0 0 4 4 0 0 24 16 3 0 13 0 2 1 2 8 3 1 0 0 2 0 8
JDGMT: 2 DPHI: -169 -168 -162 -154 -147 -139 -131 -121 -113 -105 -97 -90 -82 -69 -63 -55 -48 -39 -31 -24 -13 -6 3

AZ: 23 23 30 42 47 54 62 71 78 87 94 101 110 113 118 125 134 141 150 157 165 173 180
OBS: 0 0 0 0 0 6 2 0 0 0 0 0 3 4 0 5 5 0 25 0 0 5 0
DPHI: 9 9 17 28 33 41 48 58 65 74 81 87 96 100 105 111 120 128 136 144 151 159 166

AZ: 182 195
OBS: 3 1
DPHI: 168 182

82 8 15 18 AZ: 207 209 187 191
R = 1.0 KM; OBS: 0 0 1 22
JDGMT: 0 DPHI: -167 -164 173 177

82 8 15 18 AZ: 217 225 228 233 246 249 257 262 264 268 273 275 280 285 289 305 309 313 322 325 330 338 346
R = 2.0 KM; OBS: 0 0 6 2 0 1 0 5 65 0 13 12 3 3 6 2 2 0 1 2 0 2 13
JDGMT: 2 DPHI: -157 -148 -145 -140 -128 -124 -116 -112 -109 -105 -100 -98 -93 -88 -84 -68 -65 -61 -52 -48 -44 -36 -28

AZ: 354 3 33 42 49 58 66 70 94 97 106 114 122 130 138 142 153 161 170 178
OBS: 0 1 21 13 5 2 6 2 3 0 23 0 0 2 0 0 0 3 0 0
DPHI: -20 -11 20 28 35 45 52 57 81 83 92 100 108 117 125 128 140 148 156 165

82 8 15 18 AZ: 241 356 356 10 59 59 59 59 59 59 59 59

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R = 3.0 KM; OBS: 0 14 2 1 0 2 8 10 51 0 0 0
JDGMT: -2 DPHI: -133 -17 -17 -4 45 46 46 46 46 46 46 46

82 8 15 18 AZ: 199 206 214 221 251 254 259 271 274 279 283 287 294 299 303 303 303 306 310 318 326 334 342
R = 5.0 KM; OBS: 2 13 4 0 11 0 12 0 0 0 6 0 0 1 0 9 0 2 10 0 4 1 1
JDGMT: 3 DPHI: -175 -167 -160 -152 -122 -120 -115 -103 -99 -95 -91 -87 -80 -75 -71 -71 -71 -67 -64 -55 -47 -40 -31

AZ: 351 0 7 22 30 38 46 54 62 70 78 86 95 103 110 118 126 135 141 151 158 166 170
OBS: 3 10 5 213 74 38 50 9 0 0 5 0 0 82 3 0 0 0 0 0 1 2 3
DPHI: -23 -13 -6 8 16 25 32 41 49 57 65 73 81 89 97 104 113 122 128 137 145 153 157

AZ: 182 190
OBS: 0 0
DPHI: 169 176

82 8 15 18 AZ: 233 244 270 66
R = 7.0 KM; OBS: 5 0 4 0
JDGMT: 0 DPHI: -141 -130 -104 53

82 8 15 18 AZ: 201 212 218 229 233 251 260 267 273 281 290 298 306 314 322 331 339 346 354 2 10 19 26
R = 10.0 KM; OBS: 0 0 8 0 1 0 8 1 0 3 16 7 0 17 0 29 0 8 0 5 22 105 91
JDGMT: 3 DPHI: -173 -161 -156 -145 -140 -123 -113 -107 -100 -92 -83 -75 -67 -59 -51 -43 -34 -27 -20 -11 -4 5 13

AZ: 34 43 51 59 74 84 91 97 106 114 123 131 140 146 155 163 170 178 186 194
OBS: 0 5 0 4 0 0 3 0 2 0 0 0 0 3 9 0 5 0 0 0 0
DPHI: 20 29 37 45 61 70 77 84 92 101 109 117 126 132 141 150 157 165 173 180

82 8 15 19 AZ: 195 204 205 211 220 227 235 243 252 260 268 277 284 291 304 310 318 326 335 342 350 1 8
R = 0.5 KM; OBS: 8 0 2 3 9 4 2 1 1 0 1 4 2 3 0 8 3 0 0 5 0 9 4
JDGMT: 3 DPHI: -168 -159 -158 -152 -144 -136 -128 -120 -111 -103 -95 -86 -80 -72 -59 -53 -45 -37 -29 -21 -13 -2 5

AZ: 16 23 23 30 42 47 54 62 71 78 87 94 101 110 113 118 125 134 141 150 157 165 173
OBS: 0 0 0 0 0 0 26 0 13 0 0 5 7 0 0 14 0 1 2 3 0 5 15
DPHI: 13 19 19 27 38 44 51 59 68 75 84 91 98 106 110 115 122 131 138 146 154 161 169

AZ: 180 182 187
OBS: 0 4 0
DPHI: 176 179 184

82 8 15 19 AZ: 191 207 209 187
R = 1.0 KM; OBS: 2 4 11 0
JDGMT: 1 DPHI: -172 -156 -154 183

82 8 15 19 AZ: 217 225 228 233 246 249 257 262 264 268 273 275 280 285 289 305 309 313 322 325 330 338 346
R = 2.0 KM; OBS: 0 0 2 0 4 0 0 1 2 0 12 10 20 35 11 0 0 0 3 5 30 0 0
JDGMT: 3 DPHI: -146 -138 -135 -130 -117 -114 -106 -102 -99 -95 -90 -88 -83 -78 -74 -58 -54 -50 -42 -38 -34 -26 -17

AZ: 354 3 33 42 49 58 66 70 94 97 106 122 130 138 142 153 161 170 178
OBS: 0 4 3 4 3 0 2 8 0 0 2 0 2 8 0 0 0 5 2
DPHI: -9 -1 30 38 46 55 63 67 91 93 102 118 127 135 139 150 158 167 175

82 8 15 19 AZ: 241 356 10 59 59 59 59 59 59 59 59

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R = 3.0 KM; OBS: 0 0 0 3 5 0 2 4 14 6 15
JDGMT: 2 DPHI: -122 -7 6 55 56 56 56 56 56 56 56

82 8 15 19 AZ: 199 206 214 221 230 251 254 259 271 274 279 283 287 292 294 299 303 303 303 306 310 318 326
R = 5.0 KM; OBS: 19 3 5 0 2 1 10 3 9 0 7 4 1 0 0 0 3 8 1 2 0 6 22
JDGMT: 3 DPHI: -165 -157 -149 -142 -133 -112 -109 -105 -93 -89 -84 -81 -77 -71 -69 -65 -61 -61 -61 -57 -53 -45 -37

AZ: 334 342 351 0 7 22 30 38 46 62 70 78 86 95 103 110 118 126 135 141 151 158 166
OBS: 0 1 8 12 4 0 17 4 18 0 2 0 0 1 0 0 8 1 0 4 0 2 0
DPHI: -29 -21 -12 -3 4 18 27 35 43 59 67 75 83 91 99 107 115 123 132 138 147 155 163

AZ: 170 182 190
OBS: 18 6 0
DPHI: 167 179 187

82 8 15 19 AZ: 233 244 270 66
R = 7.0 KM; OBS: 3 0 4 6
JDGMT: 1 DPHI: -131 -119 -93 63

82 8 15 19 AZ: 201 212 218 229 233 260 267 273 281 290 298 306 314 322 331 339 346 354 2 10 19 26 34
R = 10.0 KM; OBS: 0 0 2 0 3 6 0 0 0 0 3 23 0 4 3 3 0 12 0 0 19 36 44
JDGMT: 3 DPHI: -162 -151 -145 -135 -130 -103 -97 -90 -82 -73 -65 -57 -49 -41 -33 -24 -17 -10 -1 7 15 23 31

AZ: 43 51 59 74 84 91 97 106 114 123 131 140 146 155 163 170 178 186
OBS: 21 18 0 0 3 0 0 0 0 0 0 0 1 4 5 0 11 0
DPHI: 39 48 56 71 80 87 94 103 111 119 127 137 143 151 160 167 175 183

82 8 16 11 AZ: 1 54
R = 0.5 KM; OBS: 11 0
JDGMT: 0 DPHI: -34 18

82 8 16 11 AZ: 245 213
R = 1.0 KM; OBS: 10 0
JDGMT: 0 DPHI: -150 177

82 8 16 11 AZ: 351 357 5 14 23 30 42 46 54 59 59 59 59 59 59 59 59 61 70 78 87
R = 3.0 KM; OBS: 0 0 3 0 8 0 0 0 0 0 7 26 0 0 7 0 0 0 0 7 0
JDGMT: 3 DPHI: -45 -39 -31 -21 -13 -6 7 11 19 23 23 23 23 23 23 23 24 25 35 43 51

82 8 16 11 AZ: 351 353 0 2 7 10 14 18 22 26 30 32 34 36 38 39 39 40 42 44 45 48 50
R = 5.0 KM; OBS: 0 0 2 0 8 3 0 2 0 0 2 2 2 0 0 0 0 0 0 4 4 0 2
JDGMT: 2 DPHI: -45 -43 -35 -33 -28 -26 -22 -18 -14 -9 -6 -4 -1 1 3 3 3 5 7 8 10 12 14

AZ: 52 54 56 56 56 58 60 62 64 66 68 70 72 74 78 82 86
OBS: 0 0 1 0 0 2 0 0 0 4 0 0 0 4 0 0 0
DPHI: 16 19 21 21 21 23 25 27 29 31 33 35 37 39 43 47 50

82 8 16 11 AZ: 355 357 358 0 2 5 6 9 10 12 14 16 17 20 22 24 26 28 29 33 34 36 38
R = 7.0 KM; OBS: 10 3 0 0 0 4 1 0 4 7 5 0 0 0 0 6 0 2 6 0 10 0 2
JDGMT: 2 DPHI: -40 -38 -37 -35 -33 -31 -29 -27 -25 -23 -21 -20 -18 -16 -14 -12 -9 -7 -7 -3 -1 0 2

AZ: 40 46 48 49 52 54 56 58 62 64 66 70 72 74 76 78 80 83

```



|              |       |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
|--------------|-------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|
|              | OBS:  | 0     | 2    | 0   | 1   | 0   | 1   | 2   | 0   | 0   | 2   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 12  |     |     |     |     |     |    |    |    |
|              | DPHI: | 4     | 10   | 12  | 14  | 17  | 19  | 21  | 23  | 26  | 29  | 31  | 35  | 37  | 39  | 40  | 43  | 45  | 47  |     |     |     |     |     |    |    |    |
| 82           | 8     | 16    | 11   | AZ: | 356 | 358 | 360 | 2   | 4   | 6   | 9   | 10  | 12  | 14  | 16  | 19  | 20  | 22  | 24  | 26  | 27  | 31  | 33  | 34  | 36 | 39 | 41 |
| R = 10.0 KM; | OBS:  | 21    | 3    | 0   | 22  | 0   | 5   | 10  | 0   | 0   | 11  | 0   | 0   | 0   | 0   | 0   | 0   | 2   | 38  | 0   | 0   | 0   | 0   | 0   | 0  | 11 |    |
| JDGMT:       | 3     | DPHI: | -40  | -37 | -36 | -33 | -31 | -30 | -27 | -26 | -23 | -21 | -19 | -17 | -16 | -14 | -11 | -9  | -8  | -5  | -3  | -2  | 1   | 4   | 5  |    |    |
|              | AZ:   | 41    | 43   | 44  | 45  | 46  | 47  | 48  | 49  | 50  | 51  | 55  | 58  | 59  | 63  | 63  | 63  | 68  | 71  | 73  | 74  | 77  | 79  | 80  |    |    |    |
|              | OBS:  | 0     | 0    | 2   | 0   | 0   | 0   | 1   | 8   | 3   | 1   | 3   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 4   | 0   | 3   | 0   | 3   |    |    |    |
|              | DPHI: | 6     | 7    | 8   | 10  | 10  | 11  | 12  | 13  | 15  | 15  | 19  | 22  | 23  | 27  | 27  | 28  | 33  | 35  | 37  | 39  | 41  | 43  | 45  |    |    |    |
| 82           | 8     | 16    | 11   | AZ: | 351 | 354 | 358 | 359 | 2   | 7   | 10  | 15  | 19  | 23  | 26  | 30  | 34  | 36  | 42  | 47  | 50  | 54  | 58  | 62  | 66 | 70 | 75 |
| R = 15.0 KM; | OBS:  | 0     | 4    | 0   | 0   | 0   | 0   | 3   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 20  | 3   | 0   | 4   | 2   | 0   | 0   | 0   | 9  |    |    |
| JDGMT:       | 3     | DPHI: | -45  | -41 | -37 | -37 | -33 | -29 | -26 | -21 | -17 | -13 | -10 | -6  | -2  | 0   | 6   | 11  | 15  | 19  | 23  | 27  | 30  | 34  | 40 |    |    |
|              | AZ:   | 78    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
|              | OBS:  | 4     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
|              | DPHI: | 43    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| 82           | 8     | 16    | 11   | AZ: | 355 | 2   | 10  | 12  | 15  | 18  | 20  | 23  | 26  | 31  | 35  | 47  | 50  | 52  | 57  | 59  | 62  | 66  | 69  | 78  | 83 |    |    |
| R = 20.0 KM; | OBS:  | 0     | 0    | 0   | 0   | 10  | 5   | 0   | 0   | 3   | 0   | 0   | 14  | 0   | 0   | 19  | 0   | 76  | 5   | 4   | 0   | 2   |     |     |    |    |    |
| JDGMT:       | 3     | DPHI: | -40  | -34 | -26 | -23 | -20 | -17 | -15 | -13 | -9  | -5  | -1  | 11  | 14  | 16  | 22  | 24  | 27  | 31  | 34  | 43  | 47  |     |    |    |    |
| 82           | 8     | 16    | 12   | AZ: | 1   | 54  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| R = 0.5 KM;  | OBS:  | 16    | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| JDGMT:       | 0     | DPHI: | -48  | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| 82           | 8     | 16    | 12   | AZ: | 245 | 213 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| R = 1.0 KM;  | OBS:  | 0     | 5    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| JDGMT:       | 0     | DPHI: | -163 | 164 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| 82           | 8     | 16    | 12   | AZ: | 351 | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 61  | 70  | 78  | 87  |    |    |    |
| R = 3.0 KM;  | OBS:  | 0     | 0    | 4   | 1   | 0   | 0   | 2   | 0   | 11  | 0   | 42  | 49  | 41  | 37  | 13  | 0   | 37  | 0   | 0   | 8   | 6   |     |     |    |    |    |
| JDGMT:       | 3     | DPHI: | -58  | -52 | -44 | -35 | -26 | -19 | -6  | -2  | 5   | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 12  | 22  | 30  | 38  |    |    |    |
| 82           | 8     | 16    | 12   | AZ: | 351 | 353 | 0   | 2   | 7   | 10  | 14  | 18  | 22  | 26  | 30  | 32  | 34  | 36  | 38  | 39  | 39  | 40  | 42  | 44  | 45 | 48 | 50 |
| R = 5.0 KM;  | OBS:  | 0     | 5    | 1   | 3   | 7   | 0   | 0   | 0   | 19  | 0   | 7   | 0   | 0   | 0   | 5   | 12  | 0   | 10  | 12  | 0   | 23  | 26  | 0   |    |    |    |
| JDGMT:       | 3     | DPHI: | -58  | -56 | -49 | -47 | -42 | -39 | -35 | -31 | -27 | -22 | -19 | -17 | -14 | -13 | -11 | -10 | -10 | -9  | -7  | -5  | -4  | -1  | 1  |    |    |
|              | AZ:   | 52    | 54   | 56  | 56  | 56  | 58  | 60  | 62  | 64  | 66  | 68  | 70  | 72  | 74  | 78  | 82  | 86  |     |     |     |     |     |     |    |    |    |
|              | OBS:  | 16    | 26   | 128 | 35  | 36  | 30  | 34  | 14  | 11  | 0   | 2   | 5   | 3   | 3   | 0   | 0   | 0   |     |     |     |     |     |     |    |    |    |
|              | DPHI: | 3     | 6    | 8   | 8   | 8   | 10  | 12  | 14  | 16  | 18  | 20  | 21  | 24  | 26  | 30  | 33  | 37  |     |     |     |     |     |     |    |    |    |
| 82           | 8     | 16    | 12   | AZ: | 355 | 357 | 358 | 0   | 2   | 5   | 6   | 9   | 10  | 12  | 14  | 16  | 17  | 20  | 22  | 24  | 26  | 28  | 29  | 33  | 34 | 36 | 40 |
| R = 7.0 KM;  | OBS:  | 7     | 5    | 5   | 0   | 6   | 0   | 0   | 0   | 0   | 1   | 4   | 2   | 0   | 0   | 0   | 5   | 0   | 0   | 3   | 0   | 4   | 0   | 0   | 31 |    |    |
| JDGMT:       | 3     | DPHI: | -54  | -51 | -50 | -48 | -47 | -44 | -43 | -40 | -39 | -37 | -35 | -33 | -31 | -29 | -27 | -25 | -22 | -20 | -20 | -16 | -14 | -13 | -9 |    |    |
|              | AZ:   | 46    | 48   | 49  | 52  | 54  | 56  | 58  | 62  | 64  | 66  | 70  | 72  | 74  | 76  | 78  | 80  | 83  |     |     |     |     |     |     |    |    |    |
|              | OBS:  | 0     | 38   | 43  | 53  | 46  | 10  | 7   | 0   | 11  | 0   | 4   | 5   | 4   | 5   | 0   | 2   | 10  |     |     |     |     |     |     |    |    |    |
|              | DPHI: | -3    | -1   | 0   | 3   | 5   | 7   | 9   | 13  | 15  | 17  | 22  | 24  | 25  | 27  | 29  | 31  | 34  |     |     |     |     |     |     |    |    |    |
| 82           | 8     | 16    | 12   | AZ: | 356 | 358 | 360 | 2   | 4   | 6   | 9   | 10  | 12  | 14  | 16  | 19  | 20  | 22  | 24  | 26  | 27  | 31  | 33  | 34  | 36 | 39 | 41 |

|                   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|-------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|
| R = 10.0 KM; OBS: | 0    | 0   | 0   | 0   | 0   | 3   | 2   | 0   | 0   | 0   | 9   | 0   | 8   | 4   | 6   | 0   | 7   | 10  | 13  | 0   | 0   | 31 | 45 |
| JDGMT: 3 DPHI:    | -53  | -50 | -49 | -46 | -44 | -43 | -40 | -39 | -36 | -35 | -32 | -30 | -29 | -27 | -24 | -22 | -21 | -18 | -16 | -15 | -13 | -9 | -8 |
| AZ:               | 41   | 43  | 44  | 45  | 46  | 47  | 48  | 49  | 50  | 51  | 53  | 55  | 58  | 59  | 63  | 63  | 63  | 66  | 68  | 71  | 73  | 74 | 77 |
| OBS:              | 59   | 19  | 38  | 35  | 30  | 26  | 25  | 35  | 0   | 27  | 18  | 7   | 9   | 5   | 0   | 11  | 0   | 2   | 12  | 36  | 3   | 4  | 15 |
| DPHI:             | -7   | -6  | -5  | -4  | -3  | -2  | -1  | 0   | 1   | 2   | 4   | 6   | 9   | 10  | 14  | 14  | 15  | 18  | 20  | 22  | 24  | 26 | 28 |
| AZ:               | 79   | 80  | 84  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| OBS:              | 1    | 2   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| DPHI:             | 30   | 32  | 35  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 82 8 16 12 AZ:    | 351  | 354 | 358 | 359 | 2   | 7   | 15  | 19  | 23  | 26  | 30  | 34  | 36  | 42  | 47  | 50  | 54  | 58  | 62  | 66  | 70  | 75 | 78 |
| R = 15.0 KM; OBS: | 0    | 1   | 0   | 4   | 0   | 5   | 2   | 0   | 0   | 7   | 0   | 10  | 14  | 55  | 44  | 6   | 0   | 0   | 0   | 0   | 4   | 8  | 0  |
| JDGMT: 3 DPHI:    | -58  | -55 | -51 | -50 | -47 | -42 | -34 | -30 | -26 | -23 | -19 | -15 | -13 | -7  | -2  | 1   | 6   | 10  | 13  | 17  | 21  | 26 | 30 |
| 82 8 16 12 AZ:    | 355  | 2   | 10  | 12  | 15  | 18  | 20  | 23  | 26  | 31  | 35  | 42  | 47  | 50  | 52  | 57  | 59  | 62  | 66  | 69  | 78  | 83 |    |
| R = 20.0 KM; OBS: | 3    | 0   | 8   | 3   | 6   | 0   | 7   | 3   | 0   | 6   | 0   | 49  | 14  | 21  | 0   | 3   | 0   | 1   | 0   | 0   | 5   | 0  |    |
| JDGMT: 3 DPHI:    | -53  | -47 | -39 | -36 | -33 | -30 | -28 | -26 | -22 | -18 | -14 | -6  | -2  | 1   | 3   | 9   | 10  | 13  | 17  | 21  | 30  | 34 |    |
| 82 8 16 13 AZ:    | 1    | 54  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| R = 0.5 KM; OBS:  | 21   | 17  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| JDGMT: 0 DPHI:    | -38  | 15  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 82 8 16 13 AZ:    | 245  | 213 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| R = 1.0 KM; OBS:  | 1    | 10  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| JDGMT: 0 DPHI:    | -154 | 173 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 82 8 16 13 AZ:    | 351  | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 61  | 70  | 78  | 87  |    |    |
| R = 3.0 KM; OBS:  | 3    | 10  | 4   | 0   | 0   | 11  | 8   | 0   | 3   | 0   | 0   | 13  | 3   | 5   | 0   | 0   | 6   | 0   | 0   | 8   | 7   |    |    |
| JDGMT: 3 DPHI:    | -48  | -43 | -34 | -25 | -17 | -10 | 3   | 7   | 15  | 19  | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 21  | 31  | 39  | 48  |    |    |
| 82 8 16 13 AZ:    | 351  | 353 | 0   | 2   | 7   | 10  | 14  | 18  | 22  | 26  | 30  | 32  | 34  | 36  | 38  | 39  | 39  | 40  | 42  | 44  | 45  | 48 | 50 |
| R = 5.0 KM; OBS:  | 1    | 0   | 5   | 0   | 4   | 4   | 2   | 0   | 0   | 9   | 17  | 14  | 11  | 9   | 9   | 6   | 11  | 19  | 8   | 14  | 7   | 2  | 0  |
| JDGMT: 3 DPHI:    | -48  | -47 | -39 | -37 | -32 | -30 | -25 | -21 | -18 | -13 | -9  | -7  | -5  | -3  | -1  | 0   | 0   | 1   | 3   | 5   | 6   | 9  | 11 |
| AZ:               | 52   | 54  | 56  | 56  | 56  | 58  | 60  | 62  | 64  | 66  | 68  | 70  | 72  | 74  | 78  | 82  | 86  |     |     |     |     |    |    |
| OBS:              | 10   | 0   | 7   | 6   | 11  | 8   | 6   | 0   | 6   | 11  | 6   | 5   | 7   | 4   | 0   | 0   | 0   |     |     |     |     |    |    |
| DPHI:             | 13   | 15  | 17  | 17  | 17  | 19  | 21  | 23  | 25  | 27  | 29  | 31  | 33  | 35  | 39  | 43  | 47  |     |     |     |     |    |    |
| 82 8 16 13 AZ:    | 355  | 357 | 358 | 0   | 2   | 5   | 6   | 9   | 10  | 12  | 14  | 16  | 17  | 20  | 22  | 24  | 26  | 28  | 29  | 33  | 34  | 36 | 38 |
| R = 7.0 KM; OBS:  | 4    | 1   | 0   | 0   | 3   | 2   | 0   | 0   | 0   | 0   | 8   | 5   | 0   | 0   | 2   | 13  | 6   | 0   | 0   | 8   | 17  | 11 | 14 |
| JDGMT: 3 DPHI:    | -44  | -42 | -41 | -39 | -37 | -35 | -33 | -31 | -29 | -27 | -25 | -23 | -22 | -20 | -17 | -16 | -13 | -11 | -10 | -7  | -5  | -3 | -1 |
| AZ:               | 40   | 46  | 48  | 49  | 52  | 54  | 56  | 58  | 62  | 64  | 66  | 70  | 72  | 74  | 76  | 78  | 80  | 83  |     |     |     |    |    |
| OBS:              | 30   | 1   | 5   | 0   | 7   | 12  | 0   | 3   | 1   | 0   | 9   | 3   | 2   | 0   | 3   | 0   | 2   | 4   |     |     |     |    |    |
| DPHI:             | 0    | 6   | 9   | 10  | 13  | 15  | 17  | 19  | 22  | 25  | 27  | 31  | 33  | 35  | 37  | 39  | 41  | 43  |     |     |     |    |    |
| 82 8 16 13 AZ:    | 356  | 358 | 360 | 2   | 4   | 6   | 9   | 10  | 12  | 14  | 16  | 19  | 20  | 22  | 24  | 26  | 27  | 31  | 33  | 34  | 36  | 39 | 41 |
| R = 10.0 KM; OBS: | 0    | 19  | 0   | 14  | 0   | 2   | 0   | 0   | 0   | 3   | 4   | 0   | 4   | 0   | 3   | 10  | 22  | 9   | 13  | 23  | 29  | 31 | 20 |
| JDGMT: 3 DPHI:    | -44  | -41 | -39 | -37 | -35 | -34 | -30 | -29 | -27 | -25 | -23 | -21 | -19 | -17 | -15 | -13 | -12 | -9  | -7  | -5  | -3  | 0  | 2  |
| AZ:               | 41   | 43  | 44  | 45  | 46  | 47  | 48  | 49  | 50  | 51  | 55  | 58  | 59  | 63  | 63  | 63  | 66  | 68  | 71  | 73  | 74  | 77 | 79 |

|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |    |    |
|--------------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|----|----|
|              | OBS:  | 29   | 13  | 20  | 11  | 5   | 8   | 0   | 9   | 4   | 2   | 0   | 6   | 4   | 4   | 0   | 0   | 5   | 3   | 5   | 2  | 2   | 0  | 6  |
|              | DPHI: | 2    | 3   | 5   | 6   | 7   | 7   | 8   | 9   | 11  | 12  | 15  | 18  | 20  | 23  | 24  | 24  | 27  | 29  | 31  | 33 | 35  | 38 | 40 |
|              | AZ:   | 80   | 84  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |    |    |
|              | OBS:  | 0    | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |    |    |
|              | DPHI: | 41   | 44  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |    |    |
| 82 8 16 13   | AZ:   | 351  | 354 | 358 | 359 | 2   | 7   | 10  | 15  | 19  | 23  | 26  | 30  | 34  | 36  | 42  | 47  | 50  | 54  | 62  | 66 | 70  | 75 | 78 |
| R = 15.0 KM; | OBS:  | 0    | 0   | 0   | 0   | 0   | 0   | 3   | 4   | 0   | 5   | 5   | 18  | 58  | 26  | 19  | 7   | 0   | 1   | 0   | 1  | 0   | 0  | 0  |
| JDGMT: 3     | DPHI: | -49  | -45 | -41 | -40 | -37 | -33 | -29 | -25 | -20 | -16 | -14 | -10 | -5  | -3  | 2   | 8   | 11  | 15  | 23  | 27 | 31  | 36 | 39 |
| 82 8 16 13   | AZ:   | 355  | 2   | 10  | 12  | 15  | 18  | 20  | 23  | 26  | 31  | 35  | 42  | 47  | 50  | 52  | 57  | 59  | 62  | 66  | 69 | 78  | 83 |    |
| R = 20.0 KM; | OBS:  | 2    | 0   | 4   | 17  | 2   | 3   | 3   | 5   | 0   | 27  | 86  | 27  | 8   | 0   | 6   | 9   | 0   | 8   | 1   | 0  | 1   | 0  |    |
| JDGMT: 3     | DPHI: | -44  | -38 | -29 | -27 | -24 | -21 | -19 | -17 | -13 | -9  | -5  | 3   | 8   | 11  | 13  | 18  | 20  | 23  | 27  | 30 | 39  | 43 |    |
| 82 8 16 14   | AZ:   | 1    | 54  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |    |    |
| R = 0.5 KM;  | OBS:  | 8    | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |    |    |
| JDGMT: 0     | DPHI: | -40  | 12  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |    |    |
| 82 8 16 14   | AZ:   | 245  | 213 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |    |    |
| R = 1.0 KM;  | OBS:  | 2    | 10  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |    |    |
| JDGMT: 0     | DPHI: | -156 | 171 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |    |    |
| 82 8 16 14   | AZ:   | 351  | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 61  | 70  | 78 | 87  |    |    |
| R = 3.0 KM;  | OBS:  | 7    | 9   | 8   | 0   | 9   | 0   | 14  | 0   | 0   | 25  | 22  | 30  | 22  | 8   | 18  | 27  | 7   | 6   | 9   | 5  |     |    |    |
| JDGMT: 3     | DPHI: | -50  | -45 | -37 | -27 | -19 | -12 | 1   | 5   | 13  | 17  | 18  | 18  | 18  | 18  | 18  | 18  | 18  | 19  | 29  | 37 | 45  |    |    |
| 82 8 16 14   | AZ:   | 351  | 353 | 0   | 2   | 7   | 10  | 14  | 18  | 22  | 26  | 30  | 32  | 34  | 36  | 38  | 39  | 39  | 40  | 42  | 44 | 45  | 48 | 50 |
| R = 5.0 KM;  | OBS:  | 16   | 7   | 0   | 8   | 14  | 8   | 4   | 1   | 6   | 6   | 0   | 0   | 12  | 20  | 38  | 20  | 67  | 62  | 59  | 60 | 73  | 38 | 50 |
| JDGMT: 2     | DPHI: | -51  | -49 | -41 | -39 | -34 | -32 | -28 | -24 | -20 | -15 | -12 | -9  | -7  | -5  | -3  | -2  | -2  | -1  | 1   | 2  | 4   | 6  | 8  |
|              | AZ:   | 52   | 54  | 56  | 56  | 56  | 58  | 60  | 62  | 64  | 66  | 68  | 70  | 72  | 74  | 78  | 82  | 86  |     |     |    |     |    |    |
|              | OBS:  | 27   | 28  | 32  | 5   | 20  | 20  | 26  | 0   | 6   | 0   | 16  | 6   | 0   | 0   | 98  | 1   | 0   |     |     |    |     |    |    |
|              | DPHI: | 10   | 13  | 15  | 15  | 15  | 17  | 19  | 21  | 23  | 25  | 27  | 29  | 31  | 33  | 37  | 41  | 44  |     |     |    |     |    |    |
| 82 8 16 14   | AZ:   | 355  | 357 | 358 | 0   | 2   | 5   | 6   | 9   | 10  | 12  | 14  | 16  | 17  | 20  | 22  | 24  | 26  | 28  | 29  | 33 | 34  | 36 | 38 |
| R = 7.0 KM;  | OBS:  | 19   | 1   | 7   | 5   | 35  | 10  | 4   | 8   | 0   | 11  | 4   | 18  | 0   | 0   | 10  | 5   | 9   | 0   | 17  | 86 | 59  | 57 | 50 |
| JDGMT: 3     | DPHI: | -46  | -44 | -43 | -41 | -39 | -37 | -35 | -33 | -31 | -29 | -27 | -26 | -24 | -22 | -20 | -18 | -15 | -13 | -12 | -9 | -7  | -6 | -4 |
|              | AZ:   | 40   | 46  | 48  | 49  | 52  | 54  | 56  | 58  | 62  | 64  | 66  | 70  | 72  | 74  | 76  | 78  | 80  | 83  |     |    |     |    |    |
|              | OBS:  | 74   | 30  | 24  | 20  | 4   | 17  | 6   | 14  | 0   | 8   | 2   | 13  | 2   | 1   | 0   | 3   | 0   | 1   |     |    |     |    |    |
|              | DPHI: | -2   | 4   | 6   | 8   | 11  | 13  | 15  | 17  | 20  | 23  | 25  | 29  | 31  | 33  | 34  | 37  | 39  | 41  |     |    |     |    |    |
| 82 8 16 14   | AZ:   | 356  | 358 | 360 | 2   | 4   | 6   | 9   | 10  | 12  | 14  | 16  | 19  | 20  | 22  | 24  | 26  | 27  | 31  | 33  | 34 | 36  | 39 | 41 |
| R = 10.0 KM; | OBS:  | 6    | 0   | 0   | 5   | 5   | 7   | 7   | 3   | 8   | 4   | 5   | 3   | 0   | 6   | 5   | 4   | 41  | 27  | 33  | 14 | 128 | 90 | 91 |
| JDGMT: 3     | DPHI: | -46  | -43 | -42 | -39 | -37 | -36 | -33 | -32 | -29 | -27 | -25 | -23 | -21 | -20 | -17 | -15 | -14 | -11 | -9  | -8 | -5  | -2 | 0  |
|              | AZ:   | 41   | 43  | 44  | 45  | 46  | 47  | 48  | 49  | 50  | 51  | 53  | 55  | 58  | 59  | 63  | 63  | 63  | 66  | 68  | 71 | 73  | 74 | 77 |
|              | OBS:  | 85   | 72  | 53  | 48  | 36  | 28  | 20  | 12  | 9   | 9   | 4   | 8   | 0   | 0   | 4   | 4   | 0   | 4   | 24  | 7  | 3   | 16 | 4  |
|              | DPHI: | 0    | 1   | 3   | 4   | 4   | 5   | 6   | 7   | 9   | 9   | 11  | 13  | 16  | 17  | 21  | 22  | 22  | 25  | 27  | 29 | 31  | 33 | 35 |
|              | AZ:   | 80   | 84  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |    |    |

|                   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
|-------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|--|
| OBS:              | 4    | 2   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
| DPHI:             | 39   | 42  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
| 82 8 16 14 AZ:    | 351  | 354 | 358 | 359 | 2   | 7   | 10  | 15  | 19  | 23  | 26  | 30  | 34  | 36  | 42  | 47  | 50  | 54  | 58  | 62  | 66  | 70 | 75 |  |
| R = 15.0 KM; OBS: | 0    | 2   | 0   | 4   | 3   | 3   | 0   | 0   | 0   | 0   | 14  | 61  | 55  | 30  | 10  | 0   | 6   | 1   | 0   | 0   | 0   | 1  |    |  |
| JDGMT: 3 DPHI:    | -51  | -47 | -43 | -42 | -39 | -35 | -32 | -27 | -23 | -18 | -16 | -12 | -8  | -6  | 0   | 5   | 9   | 13  | 17  | 21  | 25  | 28 | 34 |  |
| AZ:               | 78   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
| OBS:              | 2    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
| DPHI:             | 37   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
| 82 8 16 14 AZ:    | 355  | 2   | 10  | 12  | 15  | 18  | 20  | 23  | 26  | 31  | 35  | 42  | 47  | 50  | 52  | 57  | 59  | 62  | 66  | 69  | 78  | 83 |    |  |
| R = 20.0 KM; OBS: | 0    | 0   | 0   | 10  | 0   | 5   | 0   | 0   | 47  | 28  | 9   | 0   | 0   | 4   | 5   | 0   | 4   | 0   | 3   | 0   | 0   |    |    |  |
| JDGMT: 3 DPHI:    | -46  | -40 | -32 | -29 | -26 | -23 | -21 | -19 | -15 | -11 | -7  | 1   | 5   | 8   | 10  | 16  | 18  | 21  | 25  | 28  | 37  | 41 |    |  |
| 82 8 16 15 AZ:    | 1    | 54  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
| R = 0.5 KM; OBS:  | 0    | 9   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
| JDGMT: 0 DPHI:    | -44  | 8   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
| 82 8 16 15 AZ:    | 245  | 213 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
| R = 1.0 KM; OBS:  | 21   | 14  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
| JDGMT: 0 DPHI:    | -160 | 167 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |
| 82 8 16 15 AZ:    | 351  | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 61  | 70  | 78  | 87  |    |    |  |
| R = 3.0 KM; OBS:  | 0    | 13  | 13  | 0   | 8   | 13  | 0   | 0   | 14  | 0   | 33  | 39  | 33  | 27  | 32  | 28  | 9   | 0   | 8   | 3   | 5   |    |    |  |
| JDGMT: 3 DPHI:    | -54  | -49 | -41 | -31 | -23 | -16 | -3  | 1   | 9   | 13  | 14  | 14  | 14  | 14  | 14  | 14  | 14  | 15  | 25  | 33  | 41  |    |    |  |
| 82 8 16 15 AZ:    | 351  | 353 | 0   | 2   | 7   | 10  | 14  | 18  | 22  | 26  | 30  | 32  | 34  | 36  | 38  | 39  | 39  | 40  | 42  | 44  | 45  | 48 | 50 |  |
| R = 5.0 KM; OBS:  | 18   | 13  | 12  | 0   | 19  | 0   | 11  | 0   | 5   | 9   | 5   | 0   | 21  | 1   | 18  | 30  | 7   | 23  | 38  | 62  | 41  | 37 | 41 |  |
| JDGMT: 3 DPHI:    | -55  | -53 | -45 | -43 | -38 | -36 | -31 | -28 | -24 | -19 | -16 | -13 | -11 | -9  | -7  | -6  | -6  | -5  | -3  | -2  | 0   | 3  | 4  |  |
| AZ:               | 52   | 54  | 56  | 56  | 56  | 58  | 60  | 62  | 64  | 66  | 68  | 70  | 72  | 74  | 78  | 82  | 86  |     |     |     |     |    |    |  |
| OBS:              | 45   | 37  | 33  | 50  | 33  | 33  | 45  | 0   | 18  | 11  | 6   | 9   | 0   | 0   | 1   | 0   | 0   |     |     |     |     |    |    |  |
| DPHI:             | 7    | 9   | 11  | 11  | 11  | 13  | 15  | 17  | 19  | 21  | 23  | 25  | 27  | 29  | 33  | 37  | 41  |     |     |     |     |    |    |  |
| 82 8 16 15 AZ:    | 355  | 357 | 358 | 0   | 2   | 5   | 6   | 9   | 10  | 12  | 14  | 16  | 17  | 20  | 22  | 24  | 26  | 28  | 29  | 33  | 34  | 36 | 38 |  |
| R = 7.0 KM; OBS:  | 5    | 0   | 5   | 0   | 8   | 7   | 0   | 9   | 9   | 0   | 0   | 11  | 16  | 0   | 7   | 24  | 10  | 0   | 17  | 12  | 11  | 0  | 27 |  |
| JDGMT: 3 DPHI:    | -50  | -48 | -47 | -45 | -43 | -41 | -39 | -37 | -35 | -33 | -31 | -30 | -28 | -26 | -24 | -22 | -19 | -17 | -16 | -13 | -11 | -9 | -8 |  |
| AZ:               | 40   | 46  | 48  | 49  | 52  | 54  | 56  | 58  | 62  | 64  | 66  | 70  | 72  | 74  | 76  | 78  | 80  | 83  |     |     |     |    |    |  |
| OBS:              | 6    | 49  | 70  | 70  | 69  | 61  | 61  | 43  | 15  | 8   | 20  | 10  | 4   | 0   | 5   | 4   | 4   | 10  |     |     |     |    |    |  |
| DPHI:             | -6   | 0   | 3   | 4   | 7   | 9   | 11  | 13  | 16  | 19  | 21  | 25  | 27  | 29  | 31  | 33  | 35  | 37  |     |     |     |    |    |  |
| 82 8 16 15 AZ:    | 356  | 358 | 360 | 2   | 4   | 6   | 9   | 10  | 12  | 14  | 16  | 19  | 20  | 22  | 24  | 26  | 27  | 31  | 33  | 34  | 36  | 39 | 41 |  |
| R = 10.0 KM; OBS: | 1    | 0   | 1   | 0   | 0   | 7   | 0   | 3   | 0   | 0   | 14  | 8   | 12  | 7   | 7   | 10  | 6   | 10  | 11  | 13  | 46  | 59 | 81 |  |
| JDGMT: 3 DPHI:    | -50  | -47 | -45 | -43 | -41 | -40 | -36 | -36 | -33 | -31 | -29 | -27 | -25 | -23 | -21 | -19 | -18 | -15 | -13 | -12 | -9  | -6 | -4 |  |
| AZ:               | 41   | 43  | 44  | 45  | 46  | 47  | 48  | 49  | 50  | 51  | 53  | 55  | 58  | 59  | 63  | 63  | 66  | 68  | 71  | 73  | 74  | 77 | 79 |  |
| OBS:              | 184  | 99  | 109 | 91  | 78  | 71  | 51  | 66  | 54  | 45  | 43  | 44  | 94  | 61  | 25  | 0   | 16  | 11  | 13  | 7   | 7   | 8  | 0  |  |
| DPHI:             | -4   | -3  | -1  | 0   | 1   | 1   | 2   | 3   | 5   | 6   | 8   | 9   | 12  | 13  | 18  | 18  | 21  | 23  | 25  | 27  | 29  | 31 | 34 |  |
| AZ:               | 80   | 84  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |  |

|  |        |      |     |       |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|--|--------|------|-----|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
|  |        |      |     |       | OBS:  | 0   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|  |        |      |     |       | DPHI: | 35  | 38  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|  | 82     | 8    | 16  | 15    | AZ:   | 351 | 354 | 358 | 359 | 2   | 7   | 10  | 15  | 19  | 23  | 26  | 30  | 34  | 36  | 42  | 47  | 50  | 54  | 58  | 62  | 66  | 70  | 75 |
|  | R =    | 15.0 | KM; | OBS:  | 0     | 1   | 0   | 1   | 0   | 3   | 4   | 2   | 15  | 0   | 8   | 0   | 29  | 14  | 64  | 91  | 96  | 17  | 35  | 19  | 6   | 8   | 0   |    |
|  | JDGMT: | 3    |     | DPHI: | -55   | -51 | -47 | -46 | -43 | -39 | -36 | -31 | -26 | -22 | -20 | -16 | -11 | -9  | -4  | 1   | 5   | 9   | 13  | 17  | 21  | 25  | 30  |    |
|  |        |      |     |       | AZ:   | 78  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|  |        |      |     |       | OBS:  | 3   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|  |        |      |     |       | DPHI: | 33  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|  | 82     | 8    | 16  | 15    | AZ:   | 355 | 2   | 10  | 12  | 15  | 18  | 20  | 23  | 26  | 31  | 35  | 42  | 47  | 50  | 52  | 57  | 59  | 62  | 66  | 69  | 78  | 83  |    |
|  | R =    | 20.0 | KM; | OBS:  | 0     | 21  | 9   | 8   | 9   | 7   | 10  | 4   | 0   | 0   | 91  | 75  | 55  | 26  | 30  | 35  | 11  | 9   | 2   | 0   | 3   | 0   |     |    |
|  | JDGMT: | 3    |     | DPHI: | -50   | -44 | -36 | -33 | -30 | -27 | -25 | -23 | -19 | -15 | -11 | -3  | 1   | 4   | 7   | 12  | 14  | 17  | 21  | 24  | 33  | 37  |     |    |
|  | 82     | 8    | 16  | 16    | AZ:   | 1   | 54  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|  | R =    | 0.5  | KM; | OBS:  | 9     | 2   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|  | JDGMT: | 0    |     | DPHI: | -55   | -3  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|  | 82     | 8    | 16  | 16    | AZ:   | 245 | 213 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|  | R =    | 1.0  | KM; | OBS:  | 0     | 16  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|  | JDGMT: | 0    |     | DPHI: | -171  | 156 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|  | 82     | 8    | 16  | 16    | AZ:   | 351 | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 61  | 78  | 87  |     |     |     |    |
|  | R =    | 3.0  | KM; | OBS:  | 0     | 0   | 5   | 0   | 12  | 0   | 10  | 0   | 3   | 0   | 171 | 16  | 23  | 13  | 0   | 0   | 13  | 20  | 46  | 27  |     |     |     |    |
|  | JDGMT: | -3   |     | DPHI: | -65   | -60 | -51 | -42 | -34 | -27 | -14 | -10 | -2  | 2   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 4   | 22  | 31  |     |     |     |    |
|  | 82     | 8    | 16  | 16    | AZ:   | 351 | 353 | 0   | 2   | 7   | 10  | 14  | 18  | 22  | 26  | 30  | 32  | 34  | 36  | 38  | 39  | 39  | 40  | 42  | 44  | 45  | 48  | 50 |
|  | R =    | 5.0  | KM; | OBS:  | 7     | 0   | 1   | 3   | 4   | 4   | 4   | 4   | 0   | 0   | 4   | 8   | 0   | 2   | 0   | 9   | 18  | 15  | 23  | 12  | 19  | 1   | 15  | 0  |
|  | JDGMT: | 2    |     | DPHI: | -65   | -64 | -56 | -54 | -49 | -47 | -42 | -38 | -35 | -30 | -26 | -24 | -22 | -20 | -18 | -17 | -17 | -16 | -14 | -12 | -11 | -8  | -6  |    |
|  |        |      |     |       | AZ:   | 52  | 54  | 56  | 56  | 56  | 58  | 60  | 62  | 64  | 66  | 68  | 70  | 72  | 74  | 78  | 82  | 86  |     |     |     |     |     |    |
|  |        |      |     |       | OBS:  | 0   | 0   | 15  | 18  | 14  | 15  | 20  | 22  | 23  | 31  | 23  | 22  | 25  | 19  | 11  | 19  | 20  |     |     |     |     |     |    |
|  |        |      |     |       | DPHI: | -4  | -2  | 0   | 0   | 0   | 2   | 4   | 6   | 8   | 10  | 12  | 14  | 16  | 18  | 22  | 26  | 30  |     |     |     |     |     |    |
|  | 82     | 8    | 16  | 16    | AZ:   | 355 | 357 | 358 | 0   | 2   | 5   | 6   | 9   | 10  | 12  | 14  | 16  | 17  | 20  | 22  | 24  | 26  | 28  | 29  | 33  | 34  | 36  | 38 |
|  | R =    | 7.0  | KM; | OBS:  | 0     | 3   | 6   | 0   | 4   | 0   | 1   | 1   | 3   | 0   | 0   | 0   | 0   | 0   | 0   | 4   | 3   | 0   | 1   | 0   | 14  | 0   | 11  |    |
|  | JDGMT: | -3   |     | DPHI: | -61   | -59 | -58 | -56 | -54 | -52 | -50 | -48 | -46 | -44 | -42 | -41 | -39 | -37 | -34 | -33 | -30 | -28 | -27 | -24 | -22 | -20 | -18 |    |
|  |        |      |     |       | AZ:   | 40  | 46  | 48  | 49  | 52  | 54  | 56  | 58  | 62  | 64  | 66  | 70  | 72  | 74  | 76  | 78  | 80  | 83  |     |     |     |     |    |
|  |        |      |     |       | OBS:  | 13  | 106 | 0   | 1   | 26  | 19  | 0   | 18  | 33  | 27  | 26  | 13  | 2   | 9   | 16  | 11  | 12  | 12  |     |     |     |     |    |
|  |        |      |     |       | DPHI: | -17 | -11 | -8  | -7  | -4  | -2  | 0   | 2   | 5   | 8   | 10  | 14  | 16  | 18  | 20  | 22  | 24  | 26  |     |     |     |     |    |
|  | 82     | 8    | 16  | 16    | AZ:   | 356 | 358 | 360 | 2   | 4   | 6   | 9   | 10  | 12  | 14  | 16  | 19  | 20  | 22  | 24  | 26  | 27  | 31  | 33  | 34  | 36  | 39  | 41 |
|  | R =    | 10.0 | KM; | OBS:  | 0     | 5   | 0   | 9   | 2   | 0   | 0   | 0   | 0   | 2   | 4   | 1   | 3   | 3   | 6   | 0   | 9   | 0   | 4   | 0   | 1   | 17  | 5   |    |
|  | JDGMT: | 3    |     | DPHI: | -61   | -58 | -56 | -54 | -52 | -51 | -47 | -46 | -44 | -42 | -40 | -38 | -36 | -34 | -32 | -30 | -29 | -26 | -24 | -22 | -20 | -17 | -15 |    |
|  |        |      |     |       | AZ:   | 41  | 43  | 44  | 45  | 46  | 47  | 48  | 49  | 50  | 51  | 53  | 55  | 58  | 59  | 63  | 63  | 63  | 66  | 68  | 71  | 73  | 74  | 77 |
|  |        |      |     |       | OBS:  | 15  | 1   | 13  | 9   | 11  | 0   | 18  | 15  | 20  | 13  | 20  | 23  | 38  | 41  | 28  | 16  | 26  | 22  | 20  | 23  | 10  | 15  | 0  |
|  |        |      |     |       | DPHI: | -15 | -14 | -12 | -11 | -10 | -10 | -9  | -8  | -6  | -5  | -3  | -2  | 1   | 3   | 6   | 7   | 7   | 10  | 12  | 14  | 16  | 18  | 21 |
|  |        |      |     |       | AZ:   | 79  | 80  | 84  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |

|              |       |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|              | OBS:  | 13    | 11   | 19  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 23    | 24   | 27  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |       |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 16 16   | AZ:   | 351   | 354  | 358 | 359 | 2   | 7   | 10  | 15  | 19  | 23  | 26  | 30  | 34  | 36  | 42  | 47  | 50  | 58  | 62  | 66  | 70  | 75  | 78  |     |
| R = 15.0 KM; | OBS:  | 6     | 2    | 0   | 0   | 3   | 2   | 0   | 4   | 3   | 0   | 4   | 0   | 3   | 8   | 11  | 18  | 33  | 68  | 62  | 48  | 24  | 8   | 0   |     |
| JDGMT:       | 3     | DPHI: | -66  | -62 | -58 | -57 | -54 | -50 | -46 | -42 | -37 | -33 | -31 | -27 | -22 | -20 | -15 | -9  | -6  | 2   | 6   | 10  | 14  | 19  | 22  |
|              |       |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 16 16   | AZ:   | 355   | 2    | 10  | 12  | 15  | 18  | 20  | 23  | 26  | 31  | 35  | 42  | 47  | 50  | 52  | 57  | 59  | 62  | 66  | 69  | 78  | 83  |     |     |
| R = 20.0 KM; | OBS:  | 0     | 0    | 3   | 2   | 3   | 0   | 27  | 4   | 1   | 26  | 0   | 24  | 49  | 0   | 79  | 119 | 0   | 60  | 49  | 27  | 1   | 4   |     |     |
| JDGMT:       | 3     | DPHI: | -61  | -55 | -47 | -44 | -41 | -38 | -36 | -34 | -30 | -26 | -22 | -14 | -9  | -6  | -4  | 1   | 3   | 6   | 10  | 13  | 22  | 26  |     |
|              |       |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 16 17   | AZ:   | 1     | 54   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 0.5 KM;  | OBS:  | 20    | 10   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT:       | 0     | DPHI: | -55  | -2  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |       |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 16 17   | AZ:   | 245   | 213  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 1.0 KM;  | OBS:  | 0     | 10   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT:       | 0     | DPHI: | -170 | 157 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |       |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 16 17   | AZ:   | 351   | 357  | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 61  | 70  | 78  | 87  |     |     |     |
| R = 3.0 KM;  | OBS:  | 4     | 0    | 4   | 3   | 0   | 9   | 12  | 0   | 0   | 30  | 30  | 36  | 26  | 35  | 21  | 27  | 1   | 0   | 16  | 13  |     |     |     |     |
| JDGMT:       | 3     | DPHI: | -65  | -59 | -51 | -42 | -33 | -26 | -13 | -9  | -2  | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 5   | 15  | 23  | 31  |     |     |     |
|              |       |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 16 17   | AZ:   | 351   | 353  | 0   | 2   | 7   | 10  | 14  | 18  | 22  | 26  | 30  | 32  | 34  | 36  | 38  | 39  | 39  | 40  | 42  | 44  | 45  | 48  | 50  |     |
| R = 5.0 KM;  | OBS:  | 0     | 0    | 0   | 0   | 0   | 10  | 4   | 0   | 0   | 4   | 1   | 0   | 0   | 18  | 24  | 32  | 39  | 33  | 38  | 39  | 31  | 24  | 32  |     |
| JDGMT:       | -3    | DPHI: | -65  | -63 | -56 | -54 | -49 | -46 | -42 | -38 | -34 | -29 | -26 | -24 | -21 | -20 | -18 | -17 | -17 | -16 | -14 | -12 | -11 | -8  | -6  |
|              |       |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 52    | 54   | 56  | 56  | 56  | 58  | 60  | 62  | 64  | 66  | 68  | 70  | 72  | 74  | 78  | 82  | 86  |     |     |     |     |     |     |     |
|              | OBS:  | 24    | 37   | 34  | 36  | 44  | 34  | 24  | 17  | 11  | 11  | 22  | 27  | 14  | 11  | 16  | 32  | 25  | 11  |     |     |     |     |     |     |
|              | DPHI: | -4    | -1   | 1   | 1   | 1   | 3   | 5   | 7   | 9   | 11  | 13  | 14  | 17  | 19  | 23  | 26  | 30  |     |     |     |     |     |     |     |
|              |       |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 16 17   | AZ:   | 355   | 357  | 358 | 0   | 2   | 5   | 6   | 9   | 10  | 12  | 14  | 16  | 17  | 20  | 22  | 24  | 26  | 28  | 29  | 33  | 34  | 36  | 38  |     |
| R = 7.0 KM;  | OBS:  | 0     | 4    | 3   | 0   | 9   | 3   | 4   | 0   | 0   | 8   | 0   | 7   | 0   | 0   | 0   | 4   | 0   | 0   | 5   | 0   | 3   | 0   | 7   |     |
| JDGMT:       | 3     | DPHI: | -61  | -58 | -57 | -55 | -54 | -51 | -50 | -47 | -46 | -44 | -42 | -40 | -38 | -36 | -34 | -32 | -29 | -27 | -27 | -23 | -21 | -20 | -18 |
|              |       |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 40    | 46   | 48  | 49  | 52  | 54  | 56  | 58  | 62  | 64  | 66  | 70  | 72  | 74  | 76  | 78  | 80  | 83  |     |     |     |     |     |     |
|              | OBS:  | 8     | 38   | 50  | 82  | 58  | 43  | 32  | 35  | 26  | 10  | 20  | 0   | 17  | 17  | 21  | 22  | 22  | 32  |     |     |     |     |     |     |
|              | DPHI: | -16   | -10  | -8  | -7  | -4  | -2  | 0   | 2   | 6   | 8   | 10  | 15  | 17  | 18  | 20  | 22  | 25  | 27  |     |     |     |     |     |     |
|              |       |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 16 17   | AZ:   | 356   | 358  | 360 | 2   | 4   | 6   | 9   | 10  | 12  | 14  | 16  | 19  | 20  | 22  | 24  | 26  | 27  | 31  | 33  | 34  | 36  | 39  | 41  |     |
| R = 10.0 KM; | OBS:  | 1     | 0    | 0   | 6   | 2   | 1   | 7   | 2   | 0   | 6   | 18  | 0   | 9   | 0   | 4   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 5   |     |
| JDGMT:       | 3     | DPHI: | -60  | -57 | -56 | -53 | -51 | -50 | -47 | -46 | -43 | -42 | -39 | -37 | -36 | -34 | -31 | -29 | -28 | -25 | -23 | -22 | -20 | -16 | -15 |
|              |       |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 41    | 43   | 44  | 45  | 46  | 47  | 48  | 49  | 50  | 51  | 53  | 55  | 58  | 59  | 63  | 63  | 63  | 66  | 68  | 71  | 73  | 74  | 77  |     |
|              | OBS:  | 15    | 0    | 11  | 17  | 15  | 13  | 12  | 18  | 17  | 30  | 10  | 23  | 47  | 36  | 22  | 25  | 22  | 16  | 32  | 35  | 22  | 31  | 21  |     |
|              | DPHI: | -14   | -13  | -12 | -11 | -10 | -9  | -8  | -7  | -6  | -5  | -3  | -1  | 2   | 3   | 7   | 7   | 8   | 11  | 13  | 15  | 17  | 19  | 21  |     |
|              |       |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 79    | 80   | 84  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 30    | 23   | 11  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 23    | 25   | 28  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |       |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 16 17   | AZ:   | 354   | 358  | 359 | 2   | 7   | 10  | 15  | 19  | 23  | 26  | 30  | 34  | 36  | 42  | 47  | 50  | 54  | 58  | 62  | 66  | 70  | 75  | 78  |     |

|                   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|-------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| R = 15.0 KM; OBS: | 0    | 0   | 0   | 0   | 0   | 2   | 0   | 10  | 0   | 15  | 7   | 0   | 4   | 0   | 12  | 22  | 21  | 36  | 24  | 30  | 7   | 12  | 14  |  |
| JDGMT: 3 DPHI:    | -62  | -58 | -57 | -54 | -49 | -46 | -41 | -37 | -33 | -30 | -26 | -22 | -20 | -14 | -9  | -6  | -1  | 3   | 6   | 10  | 14  | 19  | 23  |  |
|                   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 8 16 17 AZ:    | 355  | 2   | 10  | 12  | 15  | 18  | 20  | 23  | 26  | 31  | 35  | 42  | 47  | 50  | 52  | 57  | 59  | 62  | 66  | 69  | 78  | 83  |     |  |
| R = 20.0 KM; OBS: | 0    | 1   | 9   | 0   | 0   | 2   | 39  | 9   | 0   | 0   | 6   | 12  | 15  | 27  | 17  | 35  | 42  | 47  | 46  | 29  | 4   | 0   |     |  |
| JDGMT: 2 DPHI:    | -60  | -54 | -46 | -43 | -40 | -37 | -35 | -33 | -29 | -25 | -21 | -13 | -9  | -6  | -4  | 2   | 3   | 6   | 10  | 14  | 23  | 27  |     |  |
|                   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 8 16 18 AZ:    | 1    | 54  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| R = 0.5 KM; OBS:  | 0    | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| JDGMT: 0 DPHI:    | -53  | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|                   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 8 16 18 AZ:    | 245  | 213 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| R = 1.0 KM; OBS:  | 17   | 14  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| JDGMT: 0 DPHI:    | -169 | 159 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|                   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 8 16 18 AZ:    | 351  | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 61  | 70  | 78  | 87  |     |     |  |
| R = 3.0 KM; OBS:  | 0    | 0   | 0   | 0   | 12  | 0   | 0   | 0   | 0   | 20  | 18  | 6   | 5   | 0   | 1   | 10  | 0   | 16  | 38  | 21  |     |     |     |  |
| JDGMT: 2 DPHI:    | -63  | -57 | -49 | -40 | -31 | -24 | -12 | -8  | 0   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 7   | 16  | 24  | 33  |     |     |  |
|                   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 8 16 18 AZ:    | 351  | 353 | 0   | 2   | 7   | 10  | 14  | 18  | 22  | 26  | 30  | 32  | 34  | 36  | 38  | 39  | 39  | 40  | 42  | 44  | 45  | 48  | 50  |  |
| R = 5.0 KM; OBS:  | 8    | 0   | 0   | 0   | 2   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 19  | 12  | 0   | 0   | 16  | 15  | 27  | 26  | 0   | 0   |     |  |
| JDGMT: 3 DPHI:    | -63  | -61 | -54 | -52 | -47 | -44 | -40 | -36 | -32 | -28 | -24 | -22 | -20 | -18 | -16 | -15 | -15 | -14 | -12 | -10 | -9  | -6  | -4  |  |
|                   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| AZ:               | 52   | 54  | 56  | 56  | 56  | 58  | 60  | 62  | 64  | 66  | 68  | 70  | 72  | 74  | 78  | 82  | 86  |     |     |     |     |     |     |  |
| OBS:              | 19   | 5   | 14  | 0   | 11  | 11  | 13  | 0   | 15  | 0   | 9   | 17  | 0   | 0   | 5   | 0   | 17  |     |     |     |     |     |     |  |
| DPHI:             | -2   | 0   | 2   | 2   | 2   | 4   | 6   | 8   | 10  | 12  | 14  | 16  | 18  | 20  | 24  | 28  | 32  |     |     |     |     |     |     |  |
|                   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 8 16 18 AZ:    | 355  | 357 | 358 | 0   | 2   | 5   | 6   | 9   | 10  | 12  | 14  | 16  | 17  | 20  | 22  | 24  | 26  | 28  | 29  | 33  | 34  | 36  | 38  |  |
| R = 7.0 KM; OBS:  | 4    | 0   | 0   | 0   | 8   | 2   | 0   | 0   | 0   | 1   | 0   | 4   | 0   | 0   | 2   | 9   | 0   | 0   | 11  | 4   | 11  | 1   | 0   |  |
| JDGMT: 2 DPHI:    | -59  | -57 | -56 | -54 | -52 | -49 | -48 | -45 | -44 | -42 | -40 | -38 | -37 | -34 | -32 | -30 | -28 | -26 | -25 | -21 | -20 | -18 | -16 |  |
|                   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| AZ:               | 40   | 46  | 48  | 49  | 52  | 54  | 56  | 58  | 62  | 64  | 66  | 70  | 72  | 74  | 76  | 78  | 80  | 83  |     |     |     |     |     |  |
| OBS:              | 14   | 62  | 41  | 35  | 43  | 39  | 18  | 16  | 14  | 2   | 0   | 76  | 18  | 5   | 16  | 16  | 20  | 18  |     |     |     |     |     |  |
| DPHI:             | -14  | -8  | -6  | -5  | -2  | 0   | 2   | 4   | 8   | 10  | 12  | 16  | 18  | 20  | 22  | 24  | 26  | 29  |     |     |     |     |     |  |
|                   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 8 16 18 AZ:    | 356  | 358 | 360 | 2   | 4   | 6   | 9   | 10  | 12  | 14  | 16  | 19  | 20  | 22  | 24  | 26  | 27  | 31  | 33  | 34  | 36  | 39  | 41  |  |
| R = 10.0 KM; OBS: | 0    | 0   | 0   | 3   | 0   | 1   | 0   | 0   | 0   | 0   | 12  | 18  | 8   | 0   | 0   | 0   | 3   | 5   | 0   | 0   | 17  | 19  | 34  |  |
| JDGMT: 3 DPHI:    | -58  | -56 | -54 | -52 | -50 | -48 | -45 | -44 | -42 | -40 | -38 | -35 | -34 | -32 | -30 | -28 | -27 | -23 | -21 | -20 | -18 | -15 | -13 |  |
|                   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| AZ:               | 41   | 43  | 44  | 45  | 46  | 47  | 48  | 49  | 50  | 51  | 53  | 55  | 58  | 59  | 63  | 63  | 63  | 66  | 68  | 71  | 73  | 74  | 77  |  |
| OBS:              | 28   | 28  | 60  | 42  | 53  | 55  | 74  | 63  | 53  | 51  | 51  | 39  | 25  | 20  | 11  | 11  | 13  | 14  | 15  | 22  | 12  | 16  | 39  |  |
| DPHI:             | -12  | -11 | -10 | -9  | -8  | -7  | -6  | -5  | -4  | -3  | -1  | 1   | 4   | 5   | 9   | 9   | 9   | 12  | 14  | 17  | 19  | 20  | 23  |  |
|                   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| AZ:               | 79   | 80  | 84  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| OBS:              | 14   | 2   | 17  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| DPHI:             | 25   | 27  | 30  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|                   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 8 16 18 AZ:    | 351  | 354 | 358 | 359 | 2   | 7   | 10  | 15  | 19  | 23  | 26  | 30  | 34  | 36  | 42  | 47  | 50  | 54  | 58  | 62  | 66  | 70  | 75  |  |
| R = 15.0 KM; OBS: | 0    | 1   | 0   | 0   | 0   | 4   | 0   | 0   | 2   | 0   | 8   | 0   | 4   | 10  | 1   | 89  | 56  | 39  | 15  | 13  | 2   | 10  | 23  |  |
| JDGMT: 3 DPHI:    | -63  | -60 | -56 | -55 | -52 | -47 | -44 | -39 | -35 | -31 | -28 | -24 | -20 | -18 | -12 | -7  | -4  | 1   | 4   | 8   | 12  | 16  | 21  |  |
|                   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| AZ:               | 78   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |

|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|              | OBS:  | 19   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 24   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 16 18   | AZ:   | 355  | 2   | 10  | 12  | 15  | 18  | 20  | 23  | 26  | 31  | 35  | 42  | 47  | 50  | 52  | 57  | 59  | 62  | 66  | 69  | 78  | 83  |     |
| R = 20.0 KM; | OBS:  | 1    | 0   | 11  | 7   | 0   | 4   | 21  | 0   | 0   | 0   | 0   | 115 | 4   | 28  | 27  | 30  | 17  | 18  | 20  | 19  | 17  | 132 |     |
| JDGMT: 2     | DPHI: | -59  | -52 | -44 | -41 | -39 | -36 | -33 | -31 | -28 | -23 | -19 | -11 | -7  | -4  | -2  | 3   | 5   | 8   | 12  | 15  | 24  | 29  |     |
| 82 8 16 19   | AZ:   | 1    | 54  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 0.5 KM;  | OBS:  | 1    | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     | DPHI: | -52  | 1   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 16 19   | AZ:   | 245  | 213 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 1.0 KM;  | OBS:  | 0    | 3   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     | DPHI: | -168 | 160 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 16 19   | AZ:   | 351  | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 61  | 70  | 78  | 87  |     |     |
| R = 3.0 KM;  | OBS:  | 0    | 0   | 0   | 0   | 5   | 0   | 0   | 0   | 2   | 0   | 11  | 5   | 2   | 6   | 3   | 0   | 4   | 0   | 6   | 11  | 8   |     |     |
| JDGMT: 2     | DPHI: | -62  | -56 | -48 | -39 | -30 | -24 | -11 | -7  | 1   | 6   | 6   | 6   | 6   | 6   | 6   | 6   | 6   | 8   | 17  | 25  | 34  |     |     |
| 82 8 16 19   | AZ:   | 351  | 353 | 0   | 2   | 7   | 10  | 14  | 18  | 22  | 30  | 32  | 34  | 36  | 38  | 39  | 40  | 42  | 44  | 45  | 48  | 50  | 52  | 54  |
| R = 5.0 KM;  | OBS:  | 0    | 0   | 1   | 0   | 6   | 1   | 1   | 0   | 0   | 0   | 0   | 0   | 3   | 0   | 0   | 12  | 0   | 19  | 11  | 7   | 0   | 0   | 0   |
| JDGMT: 2     | DPHI: | -62  | -60 | -53 | -51 | -46 | -43 | -39 | -35 | -31 | -23 | -21 | -19 | -17 | -15 | -14 | -13 | -11 | -9  | -8  | -5  | -3  | -1  | 1   |
|              | AZ:   | 56   | 56  | 56  | 58  | 60  | 62  | 64  | 66  | 68  | 70  | 72  | 74  | 78  | 82  | 86  |     |     |     |     |     |     |     |     |
|              | OBS:  | 9    | 5   | 6   | 0   | 15  | 9   | 9   | 8   | 9   | 12  | 13  | 11  | 22  | 30  | 0   |     |     |     |     |     |     |     |     |
|              | DPHI: | 3    | 3   | 3   | 5   | 7   | 9   | 11  | 13  | 15  | 17  | 19  | 21  | 25  | 29  | 33  |     |     |     |     |     |     |     |     |
| 82 8 16 19   | AZ:   | 355  | 358 | 0   | 2   | 5   | 6   | 9   | 10  | 12  | 14  | 16  | 17  | 20  | 22  | 24  | 26  | 28  | 29  | 33  | 34  | 36  | 38  | 40  |
| R = 7.0 KM;  | OBS:  | 0    | 0   | 0   | 3   | 3   | 0   | 0   | 0   | 2   | 0   | 0   | 0   | 0   | 7   | 3   | 0   | 0   | 0   | 29  | 40  | 7   | 0   |     |
| JDGMT: 3     | DPHI: | -58  | -55 | -53 | -51 | -49 | -47 | -45 | -43 | -41 | -39 | -37 | -36 | -33 | -31 | -30 | -27 | -25 | -24 | -20 | -19 | -17 | -15 | -13 |
|              | AZ:   | 46   | 48  | 49  | 52  | 54  | 56  | 58  | 62  | 64  | 66  | 70  | 72  | 74  | 76  | 78  | 80  | 83  |     |     |     |     |     |     |
|              | OBS:  | 0    | 3   | 0   | 0   | 9   | 17  | 13  | 21  | 19  | 9   | 4   | 15  | 13  | 17  | 2   | 18  | 0   |     |     |     |     |     |     |
|              | DPHI: | -7   | -5  | -4  | -1  | 1   | 3   | 5   | 9   | 11  | 13  | 17  | 19  | 21  | 23  | 25  | 27  | 30  |     |     |     |     |     |     |
| 82 8 16 19   | AZ:   | 356  | 358 | 360 | 2   | 4   | 6   | 9   | 10  | 12  | 14  | 16  | 19  | 20  | 22  | 24  | 26  | 27  | 31  | 33  | 34  | 36  | 39  | 41  |
| R = 10.0 KM; | OBS:  | 0    | 0   | 0   | 2   | 0   | 1   | 0   | 0   | 0   | 2   | 6   | 0   | 2   | 0   | 0   | 46  | 15  | 0   | 0   | 0   | 17  | 20  |     |
| JDGMT: 2     | DPHI: | -58  | -55 | -53 | -51 | -49 | -48 | -44 | -43 | -41 | -39 | -37 | -35 | -33 | -31 | -29 | -27 | -26 | -22 | -20 | -19 | -17 | -14 | -12 |
|              | AZ:   | 43   | 44  | 45  | 46  | 47  | 48  | 49  | 50  | 51  | 53  | 55  | 58  | 59  | 63  | 63  | 63  | 66  | 71  | 73  | 74  | 77  | 79  | 80  |
|              | OBS:  | 4    | 6   | 11  | 19  | 5   | 31  | 36  | 34  | 26  | 25  | 18  | 14  | 23  | 18  | 11  | 24  | 17  | 18  | 21  | 17  | 12  | 23  | 18  |
|              | DPHI: | -11  | -9  | -8  | -7  | -6  | -5  | -4  | -3  | -2  | 0   | 1   | 4   | 6   | 10  | 10  | 10  | 13  | 18  | 20  | 21  | 24  | 26  | 27  |
|              | AZ:   | 84   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 1    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 31   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 16 19   | AZ:   | 351  | 354 | 358 | 359 | 2   | 7   | 10  | 15  | 19  | 23  | 26  | 30  | 34  | 36  | 42  | 47  | 50  | 54  | 58  | 62  | 66  | 70  | 75  |
| R = 15.0 KM; | OBS:  | 0    | 1   | 0   | 0   | 0   | 0   | 2   | 3   | 0   | 0   | 4   | 0   | 9   | 8   | 28  | 63  | 46  | 1   | 22  | 10  | 12  | 12  | 6   |
| JDGMT: 3     | DPHI: | -62  | -59 | -55 | -54 | -51 | -46 | -43 | -38 | -34 | -30 | -27 | -23 | -19 | -17 | -11 | -6  | -3  | 1   | 5   | 9   | 13  | 17  | 22  |
|              | AZ:   | 78   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |



OBS: 10  
DPHI: 25

82 8 16 19 AZ: 355 2 10 12 15 18 20 23 26 31 42 47 50 52 57 59 62 66 69 78 83  
R = 20.0 KM; OBS: 3 0 5 2 2 0 83 5 0 0 91 0 29 32 26 27 25 15 28 22 3  
JDGMT: 3 DPHI: -58 -52 -43 -41 -38 -35 -33 -31 -27 -22 -11 -6 -3 -1 4 6 9 13 16 25 30

82 8 18 11 AZ: 141 150 154 157 165 173 180 187 195 204 205 211 220 227 235 243 252 260 268 277 284 291 304  
R = 0.5 KM; OBS: 0 2 1 2 3 2 0 0 0 0 0 0 1 0 4 3 6 0 0 0 0 2 2  
JDGMT: 2 DPHI: -89 -80 -76 -73 -65 -57 -50 -43 -35 -26 -25 -19 -10 -3 5 13 22 30 38 47 53 61 74

82 8 18 11 AZ: 60 126 135 157 165 172 181 189 205 213 222 228 236 245 253 261 268 277 285 315 38  
R = 1.0 KM; OBS: 1 3 2 0 2 0 8 0 9 3 0 3 5 0 0 0 2 0 0 0 0  
JDGMT: 3 DPHI: -170 -104 -95 -73 -65 -58 -49 -41 -25 -17 -8 -2 6 15 23 30 38 47 55 85 168

82 8 18 11 AZ: 138 142 149 158 166 174 183 191 207 213 221 228 238 243 245 246 250 252 255 262 268 275 285  
R = 2.0 KM; OBS: 8 0 6 2 0 0 0 0 0 1 6 0 10 23 28 16 12 0 7 0 0 0  
JDGMT: 3 DPHI: -92 -88 -81 -72 -64 -56 -47 -39 -23 -17 -9 -2 8 13 15 16 19 22 25 32 38 45 55

AZ: 289 305 309 317  
OBS: 2 11 5 0  
DPHI: 59 75 79 87

82 8 18 11 AZ: 139 150 158 166 174 182 230 243 245 247 248 250 250 262 271 278 286 295 309 318  
R = 3.0 KM; OBS: 0 0 0 0 0 0 16 42 41 3 0 0 1 0 0 0 0 0 0 8  
JDGMT: 3 DPHI: -91 -80 -72 -64 -56 -48 0 13 15 17 18 20 20 32 41 48 56 65 79 88

82 8 18 11 AZ: 141 151 158 166 170 174 178 182 186 190 193 199 202 206 210 210 210 214 218 221 230 246 246  
R = 5.0 KM; OBS: 7 4 0 3 0 4 0 8 0 4 2 0 0 0 5 3 3 0 13 11 20 2 0  
JDGMT: 3 DPHI: -89 -79 -72 -64 -60 -56 -52 -48 -44 -40 -37 -31 -28 -24 -20 -20 -20 -16 -12 -9 0 16 16

AZ: 247 247 248 248 248 249 249 249 249 251 254 259 271 279 283 294 303  
OBS: 0 1 0 0 2 0 0 0 0 5 1 1 0 0 0 0 4  
DPHI: 17 17 17 18 18 19 19 19 19 21 24 29 41 49 53 64 73

82 8 18 11 AZ: 147 155 162 170 174 178 182 186 189 191 194 199 202 204 208 211 219 227 227 228 229 230 231  
R = 7.0 KM; OBS: 0 0 0 3 0 12 0 6 0 3 0 3 1 0 0 4 3 0 11 0 22 19 16  
JDGMT: 3 DPHI: -83 -75 -68 -60 -56 -52 -48 -44 -41 -39 -36 -31 -28 -26 -22 -19 -11 -3 -3 -2 -1 0 1

AZ: 232 233 233 234 235 236 237 238 239 240 241 241 241 242 243 244 245 245 245 245 246 247 248  
OBS: 7 10 0 22 11 6 22 7 0 19 18 8 5 3 0 13 9 0 12 3 0 0 3  
DPHI: 2 3 3 4 5 6 7 8 9 10 11 11 11 12 13 14 15 15 15 15 16 17 18

AZ: 249 250 251 252 260 268 270 277 285 292 300  
OBS: 3 12 0 0 9 0 0 0 0 0 0  
DPHI: 19 20 21 22 30 38 40 47 55 62 70

82 8 18 11 AZ: 150 158 167 174 182 190 199 205 212 226 230 238 247 254 262 270 278 286 294  
R = 15.0 KM; OBS: 0 0 8 0 0 0 0 6 3 6 7 0 5 0 0 0 4 0 0  
JDGMT: 2 DPHI: -80 -72 -63 -56 -48 -40 -31 -25 -18 -4 0 8 16 24 32 40 48 56 64

82 8 18 12 AZ: 141 150 154 157 165 173 180 187 195 204 205 211 220 235 243 252 260 268 277 284 291 304

|                   |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------------------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| R = 0.5 KM; OBS:  | 0    | 2    | 0    | 0   | 0   | 0   | 1   | 0   | 2   | 3   | 0   | 0   | 0   | 1   | 0   | 3   | 0   | 4   | 0   | 3   | 1   | 2   |     |
| JDGMT: 3 DPHI:    | -93  | -84  | -80  | -77 | -69 | -61 | -54 | -46 | -38 | -30 | -29 | -22 | -14 | 1   | 9   | 19  | 27  | 34  | 43  | 50  | 58  | 70  |     |
|                   |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 18 12 AZ:    | 60   | 126  | 135  | 142 | 157 | 165 | 172 | 181 | 189 | 197 | 205 | 213 | 222 | 228 | 236 | 245 | 253 | 261 | 268 | 277 | 285 | 315 | 38  |
| R = 1.0 KM; OBS:  | 3    | 3    | 15   | 0   | 0   | 3   | 2   | 3   | 0   | 0   | 2   | 9   | 0   | 7   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   |
| JDGMT: 3 DPHI:    | -174 | -108 | -99  | -92 | -77 | -69 | -61 | -52 | -45 | -37 | -29 | -21 | -12 | -5  | 2   | 11  | 19  | 27  | 34  | 43  | 51  | 81  | 165 |
|                   |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 18 12 AZ:    | 138  | 142  | 149  | 158 | 166 | 174 | 183 | 191 | 207 | 213 | 221 | 228 | 238 | 243 | 245 | 246 | 250 | 252 | 255 | 262 | 268 | 275 | 285 |
| R = 2.0 KM; OBS:  | 0    | 0    | 0    | 2   | 0   | 0   | 3   | 4   | 0   | 0   | 11  | 26  | 1   | 4   | 18  | 0   | 9   | 4   | 0   | 0   | 0   | 0   | 2   |
| JDGMT: 3 DPHI:    | -96  | -92  | -85  | -76 | -68 | -60 | -51 | -43 | -27 | -21 | -13 | -5  | 4   | 9   | 11  | 12  | 16  | 19  | 21  | 28  | 34  | 42  | 52  |
|                   |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| AZ:               | 289  | 305  | 309  | 317 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| OBS:              | 1    | 0    | 0    | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| DPHI:             | 55   | 71   | 75   | 84  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                   |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 18 12 AZ:    | 139  | 150  | 158  | 166 | 174 | 182 | 243 | 245 | 247 | 248 | 250 | 250 | 262 | 271 | 278 | 286 | 295 | 309 | 318 |     |     |     |     |
| R = 3.0 KM; OBS:  | 0    | 0    | 10   | 0   | 0   | 12  | 12  | 42  | 5   | 0   | 9   | 6   | 4   | 0   | 0   | 0   | 0   | 1   | 0   |     |     |     |     |
| JDGMT: 3 DPHI:    | -95  | -84  | -76  | -68 | -60 | -52 | 9   | 11  | 13  | 14  | 16  | 16  | 28  | 37  | 44  | 52  | 61  | 75  | 84  |     |     |     |     |
|                   |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 18 12 AZ:    | 141  | 151  | 158  | 166 | 170 | 174 | 178 | 182 | 186 | 190 | 193 | 199 | 202 | 206 | 210 | 210 | 210 | 214 | 218 | 221 | 230 | 246 | 246 |
| R = 5.0 KM; OBS:  | 0    | 1    | 0    | 2   | 0   | 2   | 1   | 0   | 6   | 0   | 3   | 0   | 4   | 4   | 8   | 7   | 1   | 17  | 9   | 51  | 92  | 54  | 39  |
| JDGMT: 3 DPHI:    | -93  | -83  | -76  | -68 | -64 | -60 | -55 | -52 | -48 | -44 | -40 | -35 | -32 | -28 | -24 | -24 | -24 | -20 | -16 | -13 | -4  | 12  | 12  |
|                   |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| AZ:               | 247  | 247  | 248  | 248 | 248 | 249 | 249 | 249 | 249 | 251 | 254 | 259 | 271 | 279 | 283 | 294 | 303 |     |     |     |     |     |     |
| OBS:              | 6    | 4    | 20   | 0   | 1   | 8   | 14  | 4   | 12  | 8   | 1   | 6   | 0   | 0   | 1   | 0   |     |     |     |     |     |     |     |
| DPHI:             | 13   | 13   | 14   | 14  | 14  | 15  | 15  | 15  | 16  | 17  | 20  | 25  | 37  | 45  | 49  | 60  | 69  |     |     |     |     |     |     |
|                   |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 18 12 AZ:    | 147  | 155  | 162  | 170 | 174 | 178 | 182 | 186 | 189 | 191 | 194 | 199 | 202 | 204 | 208 | 211 | 217 | 219 | 227 | 227 | 228 | 229 | 230 |
| R = 7.0 KM; OBS:  | 0    | 5    | 0    | 1   | 0   | 6   | 9   | 0   | 3   | 2   | 0   | 0   | 3   | 6   | 22  | 16  | 32  | 41  | 154 | 111 | 137 | 180 | 193 |
| JDGMT: 3 DPHI:    | -87  | -79  | -72  | -64 | -60 | -56 | -52 | -48 | -45 | -43 | -39 | -35 | -32 | -29 | -26 | -23 | -17 | -15 | -7  | -7  | -6  | -5  | -4  |
|                   |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| AZ:               | 231  | 232  | 233  | 233 | 234 | 235 | 236 | 237 | 238 | 239 | 240 | 241 | 241 | 241 | 242 | 243 | 244 | 245 | 245 | 245 | 245 | 246 | 247 |
| OBS:              | 210  | 105  | 143  | 108 | 129 | 123 | 112 | 98  | 87  | 95  | 72  | 1   | 51  | 65  | 114 | 66  | 52  | 35  | 73  | 50  | 56  | 98  | 65  |
| DPHI:             | -3   | -2   | -1   | -1  | 0   | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 7   | 7   | 8   | 9   | 10  | 11  | 11  | 11  | 11  | 13  | 13  |
|                   |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| AZ:               | 248  | 249  | 250  | 251 | 252 | 260 | 268 | 270 | 277 | 285 | 292 | 300 |     |     |     |     |     |     |     |     |     |     |     |
| OBS:              | 102  | 76   | 16   | 7   | 4   | 4   | 0   | 0   | 0   | 0   | 0   | 0   |     |     |     |     |     |     |     |     |     |     |     |
| DPHI:             | 14   | 15   | 16   | 17  | 18  | 26  | 35  | 36  | 43  | 51  | 58  | 66  |     |     |     |     |     |     |     |     |     |     |     |
|                   |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 18 12 AZ:    | 150  | 158  | 167  | 174 | 182 | 190 | 199 | 205 | 212 | 226 | 230 | 238 | 247 | 254 | 262 | 270 | 278 | 286 | 294 |     |     |     |     |
| R = 15.0 KM; OBS: | 0    | 0    | 3    | 2   | 0   | 0   | 0   | 0   | 9   | 21  | 74  | 69  | 46  | 0   | 0   | 0   | 3   | 7   | 0   |     |     |     |     |
| JDGMT: 3 DPHI:    | -83  | -75  | -67  | -60 | -51 | -44 | -35 | -29 | -22 | -7  | -4  | 4   | 13  | 20  | 29  | 36  | 44  | 52  | 60  |     |     |     |     |
|                   |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 18 13 AZ:    | 141  | 150  | 154  | 157 | 165 | 173 | 180 | 187 | 195 | 204 | 205 | 211 | 220 | 227 | 235 | 243 | 252 | 260 | 268 | 277 | 284 | 291 | 304 |
| R = 0.5 KM; OBS:  | 1    | 1    | 0    | 5   | 5   | 6   | 0   | 0   | 9   | 13  | 0   | 23  | 18  | 22  | 27  | 22  | 29  | 32  | 12  | 18  | 0   | 8   | 1   |
| JDGMT: 3 DPHI:    | -102 | -93  | -89  | -86 | -78 | -70 | -63 | -56 | -47 | -39 | -38 | -31 | -23 | -16 | -8  | 0   | 9   | 17  | 25  | 34  | 41  | 49  | 61  |
|                   |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 18 13 AZ:    | 126  | 135  | 142  | 157 | 165 | 172 | 189 | 197 | 205 | 213 | 222 | 228 | 236 | 245 | 253 | 261 | 268 | 277 | 285 | 315 | 38  | 60  |     |
| R = 1.0 KM; OBS:  | 1    | 4    | 0    | 7   | 3   | 9   | 6   | 0   | 13  | 12  | 19  | 0   | 20  | 58  | 54  | 57  | 14  | 12  | 0   | 3   | 3   | 0   |     |
| JDGMT: 3 DPHI:    | -117 | -108 | -101 | -86 | -78 | -70 | -54 | -46 | -38 | -30 | -21 | -15 | -7  | 2   | 10  | 18  | 25  | 34  | 42  | 72  | 155 | 177 |     |
|                   |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 18 13 AZ:    | 138  | 142  | 149  | 158 | 166 | 174 | 183 | 191 | 207 | 213 | 221 | 228 | 238 | 243 | 245 | 246 | 250 | 252 | 255 | 262 | 268 | 275 | 285 |

|              |       |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|-------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| R = 2.0 KM;  | OBS:  | 1     | 0    | 0    | 5    | 0   | 0   | 0   | 7   | 9   | 5   | 44  | 70  | 119 | 192 | 263 | 141 | 124 | 23  | 57  | 6   | 0   | 0   | 0   |     |
| JDGMT:       | 3     | DPHI: | -105 | -101 | -94  | -85 | -77 | -69 | -60 | -52 | -36 | -30 | -22 | -14 | -5  | 0   | 2   | 3   | 7   | 10  | 12  | 19  | 25  | 33  | 43  |
|              | AZ:   | 289   | 305  | 309  | 317  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 0     | 4    | 0    | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 46    | 62   | 66   | 75   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 18 13   | AZ:   | 139   | 150  | 158  | 166  | 174 | 182 | 230 | 243 | 245 | 247 | 248 | 250 | 250 | 262 | 271 | 278 | 286 | 295 | 309 | 318 |     |     |     |     |
| R = 3.0 KM;  | OBS:  | 0     | 0    | 3    | 0    | 0   | 3   | 80  | 262 | 356 | 176 | 136 | 109 | 92  | 0   | 11  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| JDGMT:       | 3     | DPHI: | -104 | -93  | -85  | -77 | -69 | -61 | -12 | 0   | 2   | 4   | 5   | 7   | 7   | 19  | 28  | 35  | 43  | 52  | 66  | 75  |     |     |     |
| 82 8 18 13   | AZ:   | 141   | 151  | 158  | 166  | 170 | 174 | 178 | 182 | 186 | 190 | 199 | 202 | 206 | 210 | 210 | 210 | 214 | 218 | 221 | 230 | 246 | 246 | 247 |     |
| R = 5.0 KM;  | OBS:  | 2     | 2    | 0    | 0    | 0   | 3   | 3   | 0   | 0   | 0   | 0   | 4   | 2   | 5   | 1   | 0   | 0   | 17  | 56  | 323 | 294 | 285 |     |     |
| JDGMT:       | 3     | DPHI: | -102 | -92  | -85  | -77 | -73 | -69 | -64 | -61 | -57 | -53 | -44 | -41 | -37 | -33 | -33 | -33 | -29 | -25 | -22 | -13 | 3   | 3   | 4   |
|              | AZ:   | 247   | 248  | 248  | 248  | 249 | 249 | 249 | 249 | 254 | 259 | 271 | 279 | 283 | 294 | 303 |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 182   | 210  | 110  | 114  | 144 | 128 | 97  | 89  | 64  | 45  | 2   | 0   | 0   | 1   | 2   |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 4     | 5    | 5    | 5    | 6   | 6   | 6   | 7   | 11  | 16  | 28  | 36  | 40  | 51  | 60  |     |     |     |     |     |     |     |     |     |
| 82 8 18 13   | AZ:   | 147   | 155  | 162  | 170  | 174 | 178 | 182 | 186 | 189 | 191 | 194 | 199 | 202 | 204 | 208 | 211 | 214 | 217 | 219 | 227 | 227 | 228 | 229 |     |
| R = 7.0 KM;  | OBS:  | 0     | 1    | 0    | 1    | 0   | 0   | 2   | 0   | 0   | 0   | 3   | 3   | 0   | 4   | 3   | 1   | 7   | 8   | 35  | 27  | 9   | 95  |     |     |
| JDGMT:       | 3     | DPHI: | -96  | -88  | -81  | -73 | -69 | -65 | -61 | -57 | -54 | -52 | -48 | -44 | -41 | -38 | -35 | -32 | -29 | -26 | -24 | -16 | -16 | -15 | -14 |
|              | AZ:   | 230   | 231  | 232  | 233  | 233 | 234 | 235 | 236 | 237 | 238 | 239 | 240 | 241 | 241 | 242 | 243 | 244 | 245 | 245 | 245 | 245 | 245 | 246 |     |
|              | OBS:  | 111   | 119  | 128  | 135  | 146 | 149 | 155 | 145 | 169 | 168 | 161 | 245 | 244 | 185 | 232 | 186 | 196 | 322 | 356 | 326 | 322 | 321 | 302 |     |
|              | DPHI: | -13   | -12  | -11  | -10  | -10 | -9  | -8  | -7  | -6  | -5  | -4  | -3  | -2  | -2  | -2  | -1  | 0   | 1   | 2   | 2   | 2   | 2   | 4   |     |
|              | AZ:   | 247   | 248  | 249  | 250  | 251 | 252 | 260 | 268 | 270 | 277 | 285 | 292 | 300 |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 290   | 301  | 257  | 199  | 142 | 165 | 5   | 0   | 0   | 0   | 0   | 0   | 0   |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 4     | 5    | 6    | 7    | 8   | 9   | 17  | 25  | 27  | 34  | 42  | 49  | 57  |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 18 13   | AZ:   | 150   | 158  | 167  | 174  | 182 | 190 | 199 | 205 | 212 | 226 | 230 | 238 | 247 | 254 | 262 | 270 | 278 | 286 | 294 |     |     |     |     |     |
| R = 15.0 KM; | OBS:  | 3     | 0    | 11   | 1    | 0   | 0   | 0   | 0   | 6   | 10  | 7   | 141 | 189 | 17  | 0   | 0   | 2   | 0   | 0   |     |     |     |     |     |
| JDGMT:       | 3     | DPHI: | -92  | -85  | -76  | -69 | -60 | -53 | -44 | -38 | -31 | -16 | -13 | -5  | 4   | 11  | 20  | 27  | 35  | 43  | 51  |     |     |     |     |
| 82 8 18 14   | AZ:   | 141   | 150  | 154  | 157  | 165 | 173 | 180 | 187 | 195 | 204 | 205 | 211 | 220 | 227 | 235 | 243 | 252 | 260 | 268 | 277 | 284 | 291 | 304 |     |
| R = 0.5 KM;  | OBS:  | 2     | 0    | 0    | 0    | 0   | 3   | 0   | 0   | 3   | 0   | 1   | 31  | 2   | 8   | 1   | 0   | 22  | 11  | 0   | 0   | 8   | 0   | 2   |     |
| JDGMT:       | 3     | DPHI: | -106 | -97  | -93  | -90 | -82 | -74 | -67 | -59 | -51 | -43 | -42 | -35 | -27 | -20 | -12 | -4  | 6   | 14  | 22  | 30  | 37  | 45  | 58  |
| 82 8 18 14   | AZ:   | 126   | 135  | 142  | 157  | 165 | 172 | 181 | 189 | 197 | 205 | 213 | 222 | 228 | 236 | 245 | 253 | 261 | 268 | 277 | 285 | 315 | 38  | 60  |     |
| R = 1.0 KM;  | OBS:  | 1     | 2    | 0    | 0    | 2   | 0   | 9   | 0   | 0   | 1   | 16  | 52  | 72  | 59  | 68  | 84  | 67  | 49  | 70  | 42  | 0   | 9   | 2   |     |
| JDGMT:       | 3     | DPHI: | -121 | -112 | -105 | -89 | -82 | -74 | -65 | -57 | -50 | -42 | -34 | -25 | -18 | -11 | -1  | 6   | 14  | 22  | 30  | 38  | 68  | 152 | 173 |
| 82 8 18 14   | AZ:   | 138   | 142  | 149  | 158  | 166 | 174 | 183 | 191 | 207 | 213 | 221 | 228 | 238 | 243 | 245 | 246 | 250 | 252 | 255 | 262 | 268 | 275 | 285 |     |
| R = 2.0 KM;  | OBS:  | 0     | 0    | 4    | 3    | 0   | 0   | 0   | 0   | 0   | 2   | 34  | 34  | 84  | 120 | 156 | 184 | 253 | 210 | 205 | 245 | 67  | 15  | 0   |     |
| JDGMT:       | 3     | DPHI: | -109 | -105 | -98  | -89 | -81 | -73 | -64 | -56 | -40 | -33 | -26 | -18 | -9  | -4  | -2  | -1  | 3   | 6   | 8   | 15  | 21  | 29  | 39  |
|              | AZ:   | 289   | 305  | 309  | 317  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 2     | 0    | 4    | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 42    | 59   | 62   | 71   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 18 14   | AZ:   | 139   | 150  | 158  | 166  | 174 | 182 | 230 | 243 | 245 | 247 | 248 | 250 | 250 | 262 | 271 | 278 | 286 | 295 | 309 | 318 |     |     |     |     |

|              |       |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|-------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| R = 3.0 KM;  | OBS:  | 17    | 0    | 0    | 0    | 0   | 0   | 40  | 130 | 133 | 234 | 231 | 13  | 255 | 83  | 11  | 5   | 3   | 0   | 0   | 0   |     |     |     |     |
| JDGMT:       | 3     | DPHI: | -108 | -97  | -89  | -81 | -73 | -65 | -16 | -4  | -2  | 0   | 1   | 3   | 3   | 15  | 24  | 31  | 39  | 48  | 62  | 71  |     |     |     |
|              |       |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 18 14   | AZ:   | 141   | 151  | 158  | 166  | 170 | 174 | 178 | 182 | 186 | 190 | 193 | 199 | 202 | 206 | 210 | 210 | 210 | 214 | 218 | 221 | 230 | 246 | 246 |     |
| R = 5.0 KM;  | OBS:  | 0     | 2    | 0    | 0    | 0   | 1   | 0   | 8   | 0   | 8   | 1   | 0   | 0   | 0   | 4   | 2   | 3   | 0   | 0   | 2   | 10  | 239 | 298 |     |
| JDGMT:       | 3     | DPHI: | -106 | -96  | -89  | -80 | -77 | -73 | -68 | -65 | -61 | -57 | -53 | -48 | -45 | -40 | -37 | -37 | -37 | -33 | -29 | -25 | -17 | -1  | -1  |
|              |       |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 247   | 247  | 248  | 248  | 248 | 249 | 249 | 249 | 249 | 251 | 254 | 259 | 271 | 279 | 283 | 294 | 303 |     |     |     |     |     |     |     |
|              | OBS:  | 289   | 306  | 266  | 255  | 265 | 296 | 289 | 337 | 249 | 273 | 226 | 146 | 0   | 0   | 3   | 1   | 2   |     |     |     |     |     |     |     |
|              | DPHI: | 0     | 0    | 1    | 1    | 1   | 2   | 2   | 3   | 3   | 4   | 7   | 12  | 24  | 32  | 36  | 47  | 56  |     |     |     |     |     |     |     |
|              |       |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 18 14   | AZ:   | 147   | 155  | 162  | 170  | 174 | 178 | 182 | 186 | 189 | 191 | 194 | 199 | 202 | 204 | 208 | 211 | 214 | 217 | 219 | 227 | 227 | 228 | 229 |     |
| R = 7.0 KM;  | OBS:  | 0     | 0    | 0    | 3    | 3   | 0   | 0   | 0   | 0   | 0   | 0   | 5   | 2   | 0   | 0   | 6   | 3   | 0   | 3   | 15  | 4   | 0   | 21  |     |
| JDGMT:       | 2     | DPHI: | -100 | -92  | -84  | -76 | -73 | -69 | -65 | -61 | -58 | -56 | -52 | -48 | -45 | -42 | -39 | -36 | -33 | -30 | -28 | -20 | -20 | -19 | -18 |
|              |       |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 230   | 231  | 232  | 233  | 233 | 234 | 235 | 236 | 237 | 238 | 239 | 240 | 241 | 241 | 241 | 242 | 243 | 244 | 245 | 245 | 245 | 245 | 246 |     |
|              | OBS:  | 37    | 65   | 71   | 67   | 73  | 80  | 90  | 83  | 90  | 39  | 46  | 155 | 170 | 159 | 169 | 145 | 206 | 280 | 251 | 274 | 206 | 234 | 274 |     |
|              | DPHI: | -17   | -16  | -15  | -14  | -14 | -13 | -12 | -11 | -10 | -9  | -8  | -7  | -6  | -6  | -6  | -5  | -4  | -3  | -2  | -2  | -2  | -2  | 0   |     |
|              |       |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 247   | 248  | 249  | 250  | 251 | 252 | 260 | 268 | 270 | 277 | 285 | 292 | 300 |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 262   | 354  | 402  | 406  | 393 | 254 | 46  | 0   | 0   | 0   | 0   | 0   | 0   |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 1     | 1    | 2    | 3    | 4   | 5   | 13  | 22  | 23  | 30  | 38  | 45  | 53  |     |     |     |     |     |     |     |     |     |     |     |
|              |       |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 18 14   | AZ:   | 150   | 158  | 167  | 174  | 182 | 190 | 199 | 205 | 212 | 226 | 230 | 238 | 247 | 254 | 262 | 270 | 278 | 286 | 294 |     |     |     |     |     |
| R = 15.0 KM; | OBS:  | 0     | 0    | 3    | 0    | 0   | 0   | 0   | 5   | 9   | 6   | 0   | 31  | 198 | 105 | 8   | 0   | 7   | 0   | 0   |     |     |     |     |     |
| JDGMT:       | 3     | DPHI: | -96  | -88  | -80  | -73 | -64 | -57 | -48 | -42 | -35 | -20 | -17 | -9  | 0   | 7   | 16  | 23  | 31  | 39  | 47  |     |     |     |     |
|              |       |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 18 15   | AZ:   | 141   | 150  | 154  | 157  | 165 | 173 | 180 | 187 | 195 | 204 | 205 | 211 | 220 | 227 | 235 | 243 | 252 | 260 | 268 | 277 | 284 | 291 | 304 |     |
| R = 0.5 KM;  | OBS:  | 0     | 2    | 1    | 1    | 0   | 0   | 1   | 0   | 3   | 3   | 0   | 0   | 0   | 0   | 8   | 5   | 12  | 31  | 22  | 1   | 8   | 0   | 3   |     |
| JDGMT:       | 3     | DPHI: | -97  | -88  | -84  | -81 | -73 | -65 | -58 | -51 | -42 | -34 | -33 | -26 | -18 | -11 | -3  | 5   | 14  | 22  | 30  | 39  | 46  | 54  | 66  |
|              |       |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 18 15   | AZ:   | 60    | 126  | 135  | 142  | 157 | 165 | 172 | 181 | 189 | 197 | 205 | 213 | 222 | 228 | 236 | 245 | 253 | 261 | 268 | 277 | 285 | 315 | 38  |     |
| R = 1.0 KM;  | OBS:  | 1     | 2    | 10   | 0    | 0   | 0   | 0   | 18  | 13  | 30  | 25  | 60  | 15  | 2   | 11  | 1   | 36  | 59  | 5   | 0   | 0   | 0   | 17  |     |
| JDGMT:       | 3     | DPHI: | -178 | -112 | -103 | -96 | -81 | -73 | -65 | -56 | -49 | -41 | -33 | -25 | -16 | -10 | -2  | 7   | 15  | 23  | 30  | 39  | 47  | 77  | 160 |
|              |       |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 18 15   | AZ:   | 138   | 142  | 149  | 158  | 166 | 174 | 183 | 191 | 207 | 213 | 221 | 228 | 238 | 243 | 245 | 246 | 250 | 252 | 255 | 262 | 268 | 275 | 285 |     |
| R = 2.0 KM;  | OBS:  | 1     | 0    | 1    | 3    | 0   | 0   | 5   | 19  | 27  | 44  | 136 | 213 | 95  | 113 | 118 | 111 | 108 | 53  | 26  | 0   | 6   | 4   | 4   |     |
| JDGMT:       | 3     | DPHI: | -100 | -96  | -89  | -80 | -72 | -64 | -55 | -47 | -31 | -25 | -17 | -10 | 0   | 5   | 7   | 8   | 12  | 15  | 17  | 24  | 30  | 38  | 48  |
|              |       |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 289   | 305  | 309  | 317  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 1     | 3    | 12   | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 51    | 67   | 71   | 79   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |       |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 18 15   | AZ:   | 139   | 150  | 158  | 166  | 174 | 182 | 230 | 243 | 245 | 247 | 248 | 250 | 250 | 262 | 271 | 278 | 286 | 295 | 309 | 318 |     |     |     |     |
| R = 3.0 KM;  | OBS:  | 3     | 0    | 7    | 0    | 0   | 6   | 204 | 119 | 121 | 120 | 41  | 7   | 66  | 0   | 7   | 0   | 0   | 17  | 0   | 0   |     |     |     |     |
| JDGMT:       | 3     | DPHI: | -99  | -88  | -80  | -72 | -64 | -56 | -7  | 5   | 7   | 9   | 10  | 12  | 12  | 24  | 33  | 40  | 48  | 57  | 71  | 80  |     |     |     |
|              |       |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 18 15   | AZ:   | 141   | 151  | 158  | 166  | 170 | 174 | 178 | 182 | 186 | 190 | 193 | 199 | 202 | 206 | 210 | 210 | 210 | 214 | 218 | 221 | 230 | 246 | 246 |     |
| R = 5.0 KM;  | OBS:  | 0     | 1    | 0    | 0    | 0   | 1   | 1   | 0   | 0   | 0   | 4   | 0   | 0   | 0   | 5   | 6   | 5   | 0   | 23  | 34  | 54  | 112 | 96  |     |
| JDGMT:       | 3     | DPHI: | -97  | -87  | -80  | -72 | -68 | -64 | -59 | -56 | -52 | -48 | -45 | -39 | -36 | -32 | -28 | -28 | -28 | -24 | -20 | -17 | -8  | 8   | 8   |
|              |       |       |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 247   | 247  | 248  | 248  | 248 | 249 | 249 | 249 | 249 | 254 | 259 | 271 | 279 | 283 | 294 | 303 |     |     |     |     |     |     |     |     |

|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |
|--------------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|--|
|              | OBS:  | 91   | 52  | 77  | 59  | 54  | 27  | 35  | 46  | 59  | 30  | 16  | 0   | 0   | 0   | 3   | 0   |     |     |     |     |     |     |     |  |  |  |
|              | DPHI: | 9    | 9   | 10  | 10  | 10  | 11  | 11  | 11  | 12  | 16  | 21  | 33  | 41  | 45  | 56  | 65  |     |     |     |     |     |     |     |  |  |  |
| 82 8 18 15   | AZ:   | 147  | 155 | 162 | 170 | 174 | 178 | 182 | 186 | 189 | 191 | 194 | 199 | 202 | 204 | 208 | 211 | 214 | 217 | 219 | 227 | 227 | 228 | 229 |  |  |  |
| R = 7.0 KM;  | OBS:  | 0    | 0   | 0   | 1   | 0   | 5   | 0   | 4   | 6   | 1   | 0   | 0   | 4   | 0   | 4   | 31  | 17  | 31  | 47  | 60  | 98  | 132 | 158 |  |  |  |
| JDGMT: 3     | DPHI: | -91  | -83 | -76 | -68 | -64 | -60 | -56 | -52 | -49 | -47 | -43 | -39 | -36 | -33 | -30 | -27 | -24 | -21 | -19 | -11 | -11 | -10 | -9  |  |  |  |
|              | AZ:   | 230  | 231 | 232 | 233 | 233 | 234 | 235 | 236 | 237 | 238 | 239 | 240 | 241 | 241 | 241 | 242 | 243 | 244 | 245 | 245 | 245 | 245 | 246 |  |  |  |
|              | OBS:  | 152  | 162 | 188 | 190 | 181 | 178 | 194 | 192 | 208 | 199 | 6   | 172 | 152 | 149 | 165 | 148 | 106 | 117 | 98  | 79  | 173 | 80  | 73  |  |  |  |
|              | DPHI: | -8   | -7  | -6  | -5  | -5  | -4  | -3  | -2  | -1  | 0   | 1   | 2   | 3   | 3   | 3   | 4   | 5   | 6   | 7   | 7   | 7   | 7   | 8   |  |  |  |
|              | AZ:   | 247  | 248 | 249 | 250 | 251 | 252 | 260 | 268 | 270 | 277 | 285 | 292 | 300 |     |     |     |     |     |     |     |     |     |     |  |  |  |
|              | OBS:  | 42   | 93  | 66  | 23  | 14  | 0   | 5   | 0   | 0   | 0   | 0   | 0   | 0   |     |     |     |     |     |     |     |     |     |     |  |  |  |
|              | DPHI: | 9    | 10  | 11  | 12  | 13  | 14  | 22  | 30  | 32  | 39  | 47  | 54  | 62  |     |     |     |     |     |     |     |     |     |     |  |  |  |
| 82 8 18 15   | AZ:   | 150  | 158 | 167 | 174 | 182 | 190 | 199 | 205 | 212 | 226 | 230 | 238 | 247 | 254 | 262 | 270 | 278 | 286 | 294 |     |     |     |     |  |  |  |
| R = 15.0 KM; | OBS:  | 6    | 2   | 0   | 0   | 0   | 2   | 0   | 0   | 2   | 25  | 55  | 112 | 97  | 10  | 0   | 1   | 4   | 3   | 0   |     |     |     |     |  |  |  |
| JDGMT: 3     | DPHI: | -87  | -80 | -71 | -64 | -55 | -48 | -39 | -33 | -26 | -11 | -8  | 0   | 9   | 16  | 25  | 32  | 40  | 48  | 56  |     |     |     |     |  |  |  |
| 82 8 18 16   | AZ:   | 141  | 150 | 154 | 157 | 165 | 173 | 180 | 187 | 195 | 204 | 205 | 211 | 220 | 227 | 235 | 243 | 252 | 260 | 268 | 277 | 284 | 291 | 304 |  |  |  |
| R = 0.5 KM;  | OBS:  | 2    | 3   | 0   | 0   | 9   | 0   | 0   | 0   | 2   | 0   | 0   | 3   | 0   | 1   | 0   | 2   | 0   | 2   | 0   | 0   | 0   | 0   | 0   |  |  |  |
| JDGMT: 3     | DPHI: | -82  | -74 | -69 | -66 | -58 | -50 | -44 | -36 | -28 | -19 | -18 | -12 | -3  | 4   | 12  | 20  | 29  | 37  | 45  | 54  | 60  | 68  | 81  |  |  |  |
| 82 8 18 16   | AZ:   | 60   | 126 | 135 | 142 | 157 | 165 | 172 | 181 | 189 | 197 | 205 | 213 | 222 | 228 | 236 | 245 | 253 | 268 | 277 | 285 | 315 | 38  |     |  |  |  |
| R = 1.0 KM;  | OBS:  | 5    | 3   | 1   | 0   | 0   | 0   | 1   | 4   | 3   | 10  | 17  | 5   | 0   | 4   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 6   |     |  |  |  |
| JDGMT: 3     | DPHI: | -163 | -97 | -89 | -82 | -66 | -59 | -51 | -42 | -34 | -26 | -18 | -10 | -1  | 5   | 13  | 22  | 30  | 45  | 54  | 62  | 92  | 175 |     |  |  |  |
| 82 8 18 16   | AZ:   | 138  | 142 | 149 | 158 | 166 | 174 | 183 | 191 | 207 | 213 | 221 | 228 | 238 | 243 | 245 | 246 | 250 | 252 | 255 | 262 | 268 | 275 | 285 |  |  |  |
| R = 2.0 KM;  | OBS:  | 0    | 0   | 0   | 10  | 0   | 0   | 0   | 13  | 16  | 1   | 36  | 47  | 25  | 7   | 10  | 12  | 0   | 1   | 2   | 0   | 0   | 0   | 0   |  |  |  |
| JDGMT: 3     | DPHI: | -85  | -81 | -74 | -65 | -57 | -49 | -40 | -32 | -16 | -10 | -2  | 5   | 15  | 20  | 22  | 23  | 26  | 29  | 32  | 38  | 45  | 52  | 62  |  |  |  |
|              | AZ:   | 289  | 305 | 309 | 317 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |
|              | OBS:  | 1    | 0   | 0   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |
|              | DPHI: | 66   | 82  | 86  | 94  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |
| 82 8 18 16   | AZ:   | 139  | 150 | 158 | 166 | 174 | 182 | 230 | 243 | 245 | 247 | 248 | 250 | 250 | 262 | 271 | 278 | 286 | 295 | 309 | 318 |     |     |     |  |  |  |
| R = 3.0 KM;  | OBS:  | 0    | 0   | 6   | 0   | 0   | 2   | 38  | 5   | 15  | 0   | 4   | 9   | 5   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |  |  |  |
| JDGMT: 3     | DPHI: | -84  | -73 | -65 | -57 | -49 | -41 | 7   | 20  | 22  | 24  | 24  | 26  | 27  | 39  | 48  | 55  | 63  | 72  | 86  | 95  |     |     |     |  |  |  |
| 82 8 18 16   | AZ:   | 141  | 151 | 158 | 166 | 170 | 174 | 178 | 182 | 186 | 190 | 193 | 199 | 202 | 206 | 210 | 210 | 210 | 214 | 218 | 221 | 230 | 246 | 246 |  |  |  |
| R = 5.0 KM;  | OBS:  | 0    | 2   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 10  | 1   | 8   | 29  | 43  | 80  | 80  | 52  | 105 | 214 | 232 | 100 | 16  | 19  |  |  |  |
| JDGMT: 3     | DPHI: | -82  | -72 | -65 | -57 | -53 | -49 | -45 | -41 | -37 | -33 | -30 | -25 | -21 | -17 | -13 | -13 | -13 | -9  | -5  | -2  | 7   | 22  | 23  |  |  |  |
|              | AZ:   | 247  | 247 | 248 | 248 | 248 | 249 | 249 | 249 | 249 | 251 | 254 | 259 | 271 | 279 | 283 | 294 | 303 |     |     |     |     |     |     |  |  |  |
|              | OBS:  | 15   | 7   | 5   | 7   | 0   | 6   | 3   | 0   | 0   | 0   | 2   | 0   | 0   | 0   | 0   | 1   | 16  |     |     |     |     |     |     |  |  |  |
|              | DPHI: | 23   | 24  | 24  | 25  | 25  | 26  | 26  | 26  | 26  | 28  | 31  | 36  | 48  | 56  | 60  | 71  | 79  |     |     |     |     |     |     |  |  |  |
| 82 8 18 16   | AZ:   | 147  | 155 | 162 | 170 | 174 | 178 | 182 | 186 | 189 | 191 | 194 | 199 | 202 | 204 | 208 | 211 | 214 | 217 | 219 | 227 | 227 | 228 | 229 |  |  |  |
| R = 7.0 KM;  | OBS:  | 0    | 0   | 0   | 1   | 0   | 0   | 3   | 0   | 0   | 8   | 8   | 5   | 20  | 29  | 21  | 46  | 123 | 126 | 124 | 142 | 142 | 105 | 89  |  |  |  |
| JDGMT: 3     | DPHI: | -76  | -68 | -61 | -53 | -49 | -45 | -41 | -37 | -35 | -32 | -29 | -24 | -21 | -19 | -15 | -12 | -9  | -7  | -4  | 4   | 4   | 5   | 6   |  |  |  |
|              | AZ:   | 230  | 231 | 232 | 233 | 233 | 234 | 235 | 236 | 237 | 238 | 239 | 240 | 241 | 241 | 241 | 242 | 243 | 244 | 245 | 245 | 245 | 245 | 246 |  |  |  |

|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|              | OBS:  | 83   | 0   | 73  | 61  | 56  | 41  | 36  | 28  | 33  | 21  | 25  | 24  | 9   | 22  | 29  | 31  | 23  | 31  | 14  | 9   | 10  | 10  | 6   |
|              | DPHI: | 7    | 8   | 9   | 10  | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 18  | 18  | 19  | 20  | 21  | 22  | 22  | 22  | 22  | 23  |
|              | AZ:   | 247  | 248 | 249 | 250 | 251 | 252 | 260 | 268 | 270 | 277 | 285 | 292 | 300 |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 0    | 2   | 3   | 4   | 4   | 0   | 2   | 0   | 0   | 0   | 0   | 0   | 0   |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 24   | 25  | 26  | 27  | 28  | 29  | 37  | 45  | 47  | 54  | 62  | 69  | 77  |     |     |     |     |     |     |     |     |     |     |
| 82 8 18 16   | AZ:   | 150  | 158 | 167 | 174 | 182 | 190 | 199 | 205 | 212 | 226 | 230 | 238 | 247 | 254 | 262 | 270 | 278 | 286 | 294 |     |     |     |     |
| R = 15.0 KM; | OBS:  | 0    | 0   | 3   | 0   | 3   | 3   | 167 | 10  | 7   | 84  | 122 | 64  | 5   | 0   | 0   | 0   | 2   | 0   | 0   |     |     |     |     |
| JDGMT: 3     | DPHI: | -73  | -65 | -56 | -49 | -41 | -33 | -24 | -18 | -11 | 3   | 7   | 15  | 23  | 31  | 39  | 47  | 55  | 63  | 71  |     |     |     |     |
| 82 8 18 17   | AZ:   | 141  | 150 | 154 | 157 | 165 | 173 | 180 | 187 | 195 | 204 | 205 | 211 | 220 | 227 | 235 | 243 | 252 | 260 | 268 | 277 | 284 | 291 | 304 |
| R = 0.5 KM;  | OBS:  | 0    | 2   | 0   | 2   | 3   | 0   | 9   | 0   | 0   | 2   | 5   | 2   | 0   | 1   | 0   | 8   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| JDGMT: 3     | DPHI: | -73  | -65 | -61 | -58 | -50 | -42 | -35 | -27 | -19 | -11 | -10 | -3  | 5   | 12  | 20  | 28  | 38  | 46  | 54  | 62  | 69  | 77  | 90  |
| 82 8 18 17   | AZ:   | 60   | 126 | 135 | 142 | 157 | 165 | 172 | 181 | 189 | 197 | 205 | 213 | 222 | 228 | 236 | 245 | 253 | 261 | 268 | 277 | 285 | 315 | 38  |
| R = 1.0 KM;  | OBS:  | 2    | 8   | 3   | 0   | 0   | 0   | 3   | 0   | 65  | 17  | 48  | 2   | 2   | 0   | 0   | 0   | 2   | 2   | 0   | 4   | 0   | 0   | 0   |
| JDGMT: 3     | DPHI: | -155 | -89 | -80 | -73 | -57 | -50 | -42 | -33 | -25 | -18 | -10 | -2  | 7   | 14  | 22  | 31  | 38  | 46  | 54  | 62  | 70  | 100 | 184 |
| 82 8 18 17   | AZ:   | 138  | 142 | 149 | 158 | 166 | 174 | 183 | 191 | 207 | 213 | 221 | 228 | 238 | 243 | 245 | 246 | 250 | 252 | 255 | 262 | 268 | 275 | 285 |
| R = 2.0 KM;  | OBS:  | 0    | 0   | 0   | 3   | 0   | 10  | 0   | 45  | 319 | 97  | 54  | 6   | 2   | 0   | 0   | 1   | 1   | 0   | 0   | 3   | 0   | 0   | 0   |
| JDGMT: -3    | DPHI: | -76  | -73 | -66 | -56 | -49 | -40 | -32 | -24 | -8  | -1  | 6   | 14  | 23  | 28  | 31  | 31  | 35  | 38  | 40  | 47  | 54  | 61  | 71  |
|              | AZ:   | 289  | 305 | 309 | 317 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 2    | 0   | 6   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 75   | 91  | 94  | 103 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 18 17   | AZ:   | 139  | 150 | 158 | 166 | 174 | 182 | 230 | 243 | 245 | 247 | 248 | 250 | 250 | 262 | 271 | 278 | 286 | 295 | 309 | 318 |     |     |     |
| R = 3.0 KM;  | OBS:  | 0    | 0   | 0   | 0   | 3   | 16  | 5   | 0   | 4   | 3   | 0   | 0   | 1   | 0   | 1   | 3   | 0   | 0   | 0   | 0   |     |     |     |
| JDGMT: 2     | DPHI: | -76  | -65 | -57 | -48 | -41 | -32 | 16  | 28  | 30  | 33  | 33  | 35  | 36  | 48  | 56  | 64  | 71  | 80  | 95  | 103 |     |     |     |
| 82 8 18 17   | AZ:   | 141  | 151 | 158 | 166 | 170 | 174 | 178 | 182 | 186 | 190 | 193 | 199 | 202 | 206 | 210 | 210 | 210 | 214 | 218 | 221 | 230 | 246 | 246 |
| R = 5.0 KM;  | OBS:  | 0    | 2   | 4   | 0   | 7   | 2   | 0   | 0   | 0   | 1   | 9   | 8   | 16  | 14  | 16  | 16  | 19  | 10  | 19  | 14  | 0   | 0   | 0   |
| JDGMT: 3     | DPHI: | -73  | -64 | -57 | -48 | -44 | -41 | -36 | -32 | -29 | -25 | -21 | -16 | -13 | -8  | -5  | -5  | -5  | -1  | 4   | 7   | 15  | 31  | 31  |
|              | AZ:   | 247  | 247 | 248 | 248 | 248 | 249 | 249 | 249 | 249 | 251 | 254 | 259 | 271 | 279 | 283 | 294 | 303 |     |     |     |     |     |     |
|              | OBS:  | 0    | 0   | 0   | 0   | 2   | 2   | 0   | 0   | 0   | 2   | 0   | 0   | 0   | 0   | 0   | 2   |     |     |     |     |     |     |     |
|              | DPHI: | 32   | 32  | 33  | 33  | 34  | 34  | 34  | 35  | 35  | 36  | 39  | 44  | 56  | 64  | 68  | 79  | 88  |     |     |     |     |     |     |
| 82 8 18 17   | AZ:   | 147  | 155 | 162 | 170 | 174 | 178 | 182 | 186 | 189 | 191 | 194 | 199 | 202 | 204 | 208 | 211 | 214 | 217 | 219 | 227 | 227 | 228 | 229 |
| R = 7.0 KM;  | OBS:  | 0    | 6   | 0   | 1   | 3   | 3   | 8   | 2   | 0   | 1   | 8   | 21  | 34  | 28  | 44  | 32  | 3   | 63  | 82  | 126 | 69  | 9   | 7   |
| JDGMT: 3     | DPHI: | -68  | -60 | -52 | -44 | -40 | -37 | -33 | -28 | -26 | -24 | -20 | -16 | -13 | -10 | -7  | -4  | 0   | 2   | 4   | 12  | 12  | 13  | 14  |
|              | AZ:   | 230  | 231 | 232 | 233 | 233 | 234 | 235 | 236 | 237 | 238 | 239 | 240 | 241 | 241 | 241 | 242 | 243 | 244 | 245 | 245 | 245 | 245 | 246 |
|              | OBS:  | 0    | 6   | 3   | 0   | 0   | 0   | 8   | 15  | 3   | 0   | 0   | 0   | 28  | 0   | 0   | 0   | 0   | 7   | 4   | 5   | 0   | 2   | 0   |
|              | DPHI: | 15   | 16  | 17  | 18  | 19  | 20  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 26  | 26  | 27  | 28  | 29  | 30  | 30  | 31  | 31  | 32  |
|              | AZ:   | 247  | 248 | 249 | 250 | 251 | 252 | 260 | 268 | 270 | 277 | 285 | 292 | 300 |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 0    | 0   | 0   | 6   | 0   | 0   | 4   | 0   | 0   | 0   | 0   | 4   | 0   |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 33   | 33  | 34  | 35  | 37  | 37  | 45  | 54  | 55  | 62  | 70  | 77  | 85  |     |     |     |     |     |     |     |     |     |     |
| 82 8 18 17   | AZ:   | 150  | 158 | 167 | 174 | 182 | 190 | 199 | 205 | 212 | 226 | 230 | 238 | 247 | 254 | 262 | 270 | 278 | 286 | 294 |     |     |     |     |

|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------------------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| R = 15.0 KM; OBS: | 0    | 3    | 1   | 0   | 0   | 0   | 0   | 17  | 66  | 140 | 112 | 6   | 0   | 0   | 0   | 0   | 2   | 0   | 0   |     |     |     |     |
| JDGMT: 3 DPHI:    | -64  | -56  | -48 | -41 | -32 | -25 | -16 | -10 | -3  | 12  | 15  | 23  | 32  | 40  | 48  | 55  | 63  | 71  | 79  |     |     |     |     |
|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 18 18 AZ:    | 141  | 150  | 154 | 157 | 165 | 173 | 180 | 187 | 195 | 204 | 205 | 211 | 220 | 227 | 235 | 243 | 252 | 260 | 268 | 277 | 284 | 291 | 304 |
| R = 0.5 KM; OBS:  | 3    | 1    | 0   | 0   | 0   | 2   | 0   | 0   | 2   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 2   | 0   | 0   | 3   | 0   | 0   | 3   |
| JDGMT: 2 DPHI:    | -70  | -61  | -57 | -54 | -46 | -38 | -31 | -24 | -16 | -7  | -6  | 0   | 9   | 16  | 24  | 32  | 41  | 49  | 57  | 66  | 73  | 80  | 93  |
|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 18 18 AZ:    | 38   | 60   | 126 | 135 | 142 | 157 | 165 | 172 | 181 | 189 | 197 | 205 | 213 | 222 | 228 | 236 | 245 | 253 | 261 | 268 | 277 | 315 |     |
| R = 1.0 KM; OBS:  | 0    | 0    | 0   | 9   | 0   | 0   | 12  | 2   | 8   | 0   | 0   | 0   | 15  | 0   | 0   | 5   | 0   | 0   | 0   | 0   | 7   | 0   |     |
| JDGMT: 3 DPHI:    | -173 | -151 | -85 | -76 | -69 | -54 | -46 | -39 | -29 | -22 | -14 | -6  | 2   | 11  | 17  | 25  | 34  | 42  | 50  | 57  | 66  | 104 |     |
|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 18 18 AZ:    | 138  | 142  | 149 | 158 | 166 | 174 | 183 | 191 | 207 | 213 | 221 | 228 | 238 | 243 | 245 | 246 | 250 | 252 | 255 | 262 | 268 | 275 | 285 |
| R = 2.0 KM; OBS:  | 0    | 0    | 1   | 3   | 0   | 0   | 0   | 3   | 7   | 2   | 0   | 0   | 0   | 0   | 2   | 1   | 2   | 0   | 0   | 0   | 0   | 0   | 4   |
| JDGMT: 3 DPHI:    | -73  | -69  | -62 | -53 | -45 | -37 | -28 | -20 | -4  | 2   | 10  | 17  | 27  | 32  | 34  | 35  | 39  | 41  | 44  | 51  | 57  | 64  | 74  |
|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| AZ:               | 289  | 305  | 309 | 317 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| OBS:              | 1    | 0    | 0   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| DPHI:             | 78   | 94   | 98  | 106 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 18 18 AZ:    | 139  | 150  | 158 | 166 | 174 | 182 | 230 | 243 | 245 | 247 | 248 | 250 | 250 | 262 | 271 | 278 | 286 | 295 | 309 | 318 |     |     |     |
| R = 3.0 KM; OBS:  | 3    | 0    | 0   | 0   | 9   | 11  | 0   | 0   | 8   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |     |
| JDGMT: 3 DPHI:    | -72  | -61  | -53 | -45 | -37 | -29 | 20  | 32  | 34  | 36  | 37  | 39  | 39  | 51  | 60  | 67  | 75  | 84  | 98  | 107 |     |     |     |
|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 18 18 AZ:    | 141  | 151  | 158 | 166 | 170 | 174 | 178 | 182 | 186 | 190 | 193 | 199 | 202 | 206 | 210 | 210 | 210 | 214 | 218 | 221 | 230 | 246 | 246 |
| R = 5.0 KM; OBS:  | 3    | 1    | 0   | 0   | 1   | 1   | 6   | 14  | 17  | 35  | 19  | 12  | 6   | 1   | 5   | 4   | 1   | 0   | 0   | 0   | 0   | 0   | 0   |
| JDGMT: 3 DPHI:    | -70  | -60  | -53 | -45 | -41 | -37 | -32 | -29 | -25 | -21 | -18 | -12 | -9  | -5  | -1  | -1  | -1  | 3   | 7   | 10  | 19  | 35  | 35  |
|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| AZ:               | 247  | 247  | 248 | 248 | 248 | 249 | 249 | 249 | 249 | 251 | 254 | 259 | 271 | 279 | 283 | 294 | 303 |     |     |     |     |     |     |
| OBS:              | 0    | 0    | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 2   | 0   | 0   | 1   | 7   |     |     |     |     |     |     |
| DPHI:             | 36   | 36   | 37  | 37  | 37  | 38  | 38  | 38  | 39  | 40  | 43  | 48  | 60  | 68  | 72  | 83  | 92  |     |     |     |     |     |     |
|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 18 18 AZ:    | 147  | 155  | 162 | 170 | 174 | 178 | 182 | 186 | 189 | 191 | 194 | 199 | 202 | 204 | 208 | 211 | 214 | 217 | 219 | 227 | 227 | 228 | 229 |
| R = 7.0 KM; OBS:  | 0    | 0    | 0   | 1   | 0   | 0   | 17  | 29  | 35  | 44  | 21  | 5   | 1   | 11  | 6   | 0   | 5   | 21  | 0   | 0   | 2   | 0   | 0   |
| JDGMT: 2 DPHI:    | -64  | -56  | -49 | -41 | -37 | -33 | -29 | -25 | -22 | -20 | -16 | -12 | -9  | -6  | -3  | 0   | 3   | 6   | 8   | 16  | 16  | 17  | 18  |
|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| AZ:               | 230  | 231  | 232 | 233 | 233 | 234 | 235 | 236 | 237 | 238 | 239 | 240 | 241 | 241 | 241 | 242 | 243 | 244 | 245 | 245 | 245 | 245 | 246 |
| OBS:              | 0    | 0    | 0   | 0   | 0   | 0   | 2   | 0   | 13  | 0   | 0   | 0   | 9   | 16  | 19  | 0   | 0   | 2   | 3   | 0   | 0   | 4   | 0   |
| DPHI:             | 19   | 20   | 21  | 22  | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  | 30  | 30  | 31  | 32  | 33  | 34  | 34  | 34  | 34  | 35  |
|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| AZ:               | 247  | 248  | 249 | 250 | 251 | 252 | 260 | 268 | 270 | 277 | 285 | 292 | 300 |     |     |     |     |     |     |     |     |     |     |
| OBS:              | 0    | 0    | 8   | 2   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 3   | 0   |     |     |     |     |     |     |     |     |     |     |
| DPHI:             | 36   | 37   | 38  | 39  | 40  | 41  | 49  | 57  | 59  | 66  | 74  | 81  | 89  |     |     |     |     |     |     |     |     |     |     |
|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 18 18 AZ:    | 150  | 158  | 167 | 174 | 182 | 190 | 199 | 205 | 212 | 226 | 230 | 238 | 247 | 254 | 262 | 270 | 278 | 286 | 294 |     |     |     |     |
| R = 15.0 KM; OBS: | 0    | 0    | 0   | 5   | 0   | 11  | 23  | 55  | 65  | 131 | 53  | 0   | 4   | 0   | 0   | 3   | 4   | 9   | 0   |     |     |     |     |
| JDGMT: 3 DPHI:    | -61  | -53  | -44 | -37 | -28 | -21 | -12 | -6  | 1   | 15  | 19  | 27  | 36  | 43  | 51  | 59  | 67  | 75  | 83  |     |     |     |     |
|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 18 19 AZ:    | 141  | 150  | 154 | 157 | 165 | 173 | 180 | 187 | 204 | 205 | 211 | 220 | 227 | 235 | 243 | 252 | 260 | 268 | 277 | 284 | 291 | 304 |     |
| R = 0.5 KM; OBS:  | 0    | 2    | 1   | 0   | 2   | 0   | 0   | 0   | 0   | 1   | 13  | 0   | 0   | 2   | 2   | 7   | 0   | 0   | 0   | 0   | 0   | 2   |     |
| JDGMT: 3 DPHI:    | -68  | -60  | -55 | -52 | -45 | -36 | -30 | -22 | -5  | -4  | 2   | 10  | 18  | 26  | 34  | 43  | 51  | 59  | 68  | 74  | 82  | 95  |     |
|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 18 19 AZ:    | 38   | 60   | 126 | 135 | 142 | 157 | 165 | 172 | 181 | 189 | 197 | 205 | 213 | 222 | 228 | 236 | 245 | 253 | 261 | 268 | 277 | 285 | 315 |

|              |       |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| R = 1.0 KM;  | OBS:  | 0     | 2    | 1    | 1   | 0   | 0   | 1   | 0   | 2   | 0   | 0   | 0   | 2   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   |     |
| JDGMT:       | 2     | DPHI: | -171 | -149 | -84 | -75 | -68 | -52 | -45 | -37 | -28 | -20 | -13 | -4  | 3   | 13  | 19  | 27  | 36  | 44  | 51  | 59  | 68  | 75  | 106 |
|              |       |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 18 19   | AZ:   | 138   | 142  | 149  | 158 | 166 | 174 | 183 | 191 | 207 | 213 | 221 | 228 | 238 | 243 | 245 | 246 | 250 | 252 | 262 | 268 | 275 | 285 | 289 |     |
| R = 2.0 KM;  | OBS:  | 0     | 0    | 1    | 5   | 0   | 2   | 0   | 0   | 0   | 1   | 0   | 14  | 1   | 0   | 0   | 2   | 0   | 0   | 0   | 4   | 0   | 0   | 3   |     |
| JDGMT:       | 3     | DPHI: | -71  | -67  | -60 | -51 | -43 | -35 | -26 | -18 | -2  | 4   | 12  | 19  | 28  | 34  | 36  | 37  | 40  | 43  | 52  | 59  | 66  | 76  | 80  |
|              |       |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 305   | 309  | 317  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 0     | 0    | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 96    | 100  | 108  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |       |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 18 19   | AZ:   | 139   | 150  | 158  | 166 | 174 | 182 | 230 | 243 | 245 | 247 | 248 | 250 | 250 | 262 | 271 | 278 | 286 | 295 | 309 | 318 |     |     |     |     |
| R = 3.0 KM;  | OBS:  | 0     | 0    | 4    | 0   | 0   | 2   | 0   | 0   | 7   | 2   | 2   | 0   | 1   | 0   | 2   | 0   | 0   | 0   | 1   | 4   |     |     |     |     |
| JDGMT:       | 3     | DPHI: | -71  | -59  | -51 | -43 | -35 | -27 | 21  | 34  | 36  | 38  | 38  | 40  | 41  | 53  | 62  | 69  | 76  | 86  | 100 | 109 |     |     |     |
|              |       |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 18 19   | AZ:   | 141   | 151  | 158  | 166 | 170 | 174 | 178 | 182 | 186 | 190 | 193 | 199 | 202 | 206 | 210 | 210 | 210 | 214 | 218 | 221 | 230 | 246 | 246 |     |
| R = 5.0 KM;  | OBS:  | 0     | 4    | 1    | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 2   | 5   | 0   | 0   | 6   | 0   | 0   |     |     |
| JDGMT:       | 3     | DPHI: | -68  | -59  | -51 | -43 | -39 | -35 | -31 | -27 | -23 | -19 | -16 | -11 | -7  | -3  | 1   | 1   | 1   | 5   | 9   | 12  | 21  | 36  | 37  |
|              |       |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 247   | 247  | 248  | 248 | 248 | 249 | 249 | 249 | 251 | 254 | 259 | 271 | 279 | 283 | 294 | 303 |     |     |     |     |     |     |     |     |
|              | OBS:  | 0     | 0    | 0    | 12  | 1   | 15  | 0   | 0   | 0   | 1   | 4   | 0   | 0   | 1   | 0   |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 37    | 38   | 38   | 39  | 39  | 39  | 40  | 40  | 40  | 42  | 45  | 49  | 62  | 70  | 73  | 85  | 93  |     |     |     |     |     |     |     |
|              |       |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 18 19   | AZ:   | 147   | 155  | 162  | 170 | 174 | 178 | 182 | 186 | 189 | 191 | 194 | 199 | 202 | 204 | 208 | 211 | 214 | 217 | 219 | 227 | 227 | 228 | 229 |     |
| R = 7.0 KM;  | OBS:  | 0     | 0    | 0    | 2   | 0   | 115 | 11  | 0   | 0   | 1   | 0   | 12  | 2   | 0   | 22  | 4   | 1   | 0   | 0   | 9   | 6   | 0   |     |     |
| JDGMT:       | 2     | DPHI: | -63  | -55  | -47 | -39 | -35 | -31 | -27 | -23 | -21 | -18 | -15 | -10 | -7  | -5  | -1  | 1   | 5   | 7   | 9   | 18  | 18  | 19  | 20  |
|              |       |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 230   | 231  | 232  | 233 | 233 | 234 | 235 | 236 | 237 | 238 | 239 | 240 | 241 | 241 | 241 | 242 | 243 | 244 | 245 | 245 | 245 | 245 | 246 |     |
|              | OBS:  | 0     | 5    | 0    | 0   | 0   | 0   | 3   | 0   | 7   | 0   | 0   | 5   | 0   | 0   | 0   | 0   | 6   | 7   | 0   | 9   | 0   | 0   |     |     |
|              | DPHI: | 21    | 22   | 23   | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  | 31  | 32  | 32  | 32  | 33  | 34  | 35  | 36  | 36  | 36  | 36  | 37  |     |
|              |       |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 247   | 248  | 249  | 250 | 251 | 252 | 260 | 268 | 270 | 277 | 285 | 292 | 300 |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 0     | 0    | 4    | 2   | 3   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 38    | 38   | 40   | 41  | 42  | 43  | 51  | 59  | 61  | 67  | 75  | 83  | 91  |     |     |     |     |     |     |     |     |     |     |     |
|              |       |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 18 19   | AZ:   | 150   | 158  | 167  | 174 | 182 | 190 | 199 | 205 | 212 | 226 | 230 | 238 | 247 | 254 | 262 | 270 | 278 | 286 | 294 |     |     |     |     |     |
| R = 15.0 KM; | OBS:  | 0     | 0    | 4    | 0   | 3   | 21  | 18  | 0   | 4   | 26  | 5   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |     |     |     |     |     |     |
| JDGMT:       | 2     | DPHI: | -59  | -51  | -43 | -35 | -27 | -19 | -10 | -4  | 3   | 17  | 20  | 29  | 37  | 45  | 53  | 61  | 69  | 77  | 85  |     |     |     |     |
|              |       |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 20 11   | AZ:   | 318   | 326  | 335  | 342 | 350 | 1   | 1   | 8   | 16  | 23  | 30  | 42  | 47  | 54  | 62  | 71  | 78  | 87  | 94  | 101 | 110 | 118 |     |     |
| R = 0.5 KM;  | OBS:  | 36    | 33   | 37   | 39  | 40  | 40  | 18  | 40  | 38  | 34  | 24  | 37  | 50  | 36  | 35  | 25  | 35  | 35  | 10  | 36  | 20  | 41  |     |     |
| JDGMT:       | 3     | DPHI: | -92  | -84  | -75 | -67 | -60 | -49 | -49 | -42 | -33 | -27 | -20 | -8  | -3  | 4   | 12  | 21  | 28  | 37  | 44  | 51  | 60  | 68  |     |
|              |       |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 20 11   | AZ:   | 245   | 315  | 332  | 342 | 350 | 358 | 6   | 14  | 22  | 30  | 38  | 46  | 54  | 60  | 67  | 78  | 86  | 94  | 102 | 109 | 118 | 213 |     |     |
| R = 1.0 KM;  | OBS:  | 48    | 24   | 33   | 32  | 10  | 33  | 32  | 26  | 33  | 30  | 32  | 28  | 35  | 35  | 35  | 33  | 36  | 35  | 33  | 28  | 32  | 61  |     |     |
| JDGMT:       | 2     | DPHI: | -165 | -95  | -78 | -68 | -60 | -52 | -44 | -36 | -28 | -20 | -12 | -4  | 4   | 10  | 17  | 28  | 36  | 44  | 52  | 59  | 68  | 163 |     |
|              |       |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 20 11   | AZ:   | 325   | 333  | 343  | 349 | 358 | 6   | 10  | 33  | 38  | 46  | 62  | 94  | 102 | 110 | 117 |     |     |     |     |     |     |     |     |     |
| R = 2.0 KM;  | OBS:  | 24    | 15   | 26   | 32  | 17  | 18  | 0   | 0   | 34  | 12  | 13  | 26  | 26  | 23  | 32  |     |     |     |     |     |     |     |     |     |
| JDGMT:       | 3     | DPHI: | -84  | -77  | -67 | -61 | -52 | -44 | -40 | -16 | -11 | -4  | 12  | 44  | 52  | 60  | 68  |     |     |     |     |     |     |     |     |
|              |       |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 20 11   | AZ:   | 324   | 335  | 341  | 351 | 42  | 46  | 54  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 61  | 70  | 78  | 87  | 94  | 102 | 110 |     |     |



|                   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| R = 3.0 KM; OBS:  | 14   | 7   | 12  | 0   | 26  | 15  | 14  | 24  | 19  | 24  | 21  | 21  | 5   | 24  | 26  | 22  | 21  | 0   | 22  | 23  | 15  | 24  |     |
| JDGMT: 2 DPHI:    | -86  | -75 | -69 | -59 | -8  | -3  | 4   | 9   | 9   | 9   | 9   | 9   | 9   | 9   | 9   | 11  | 20  | 29  | 37  | 44  | 52  | 60  |     |
|                   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 20 11 AZ:    | 342  | 351 | 0   | 7   | 10  | 14  | 18  | 22  | 26  | 30  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 39  | 39  | 40  | 41  | 43  |
| R = 5.0 KM; OBS:  | 0    | 0   | 5   | 10  | 8   | 0   | 7   | 7   | 5   | 13  | 12  | 12  | 16  | 13  | 13  | 16  | 1   | 20  | 15  | 21  | 13  | 20  | 25  |
| JDGMT: 3 DPHI:    | -68  | -59 | -50 | -43 | -40 | -36 | -32 | -28 | -23 | -20 | -18 | -17 | -16 | -15 | -14 | -13 | -12 | -11 | -11 | -11 | -10 | -9  | -7  |
|                   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| AZ:               | 44   | 45  | 46  | 47  | 48  | 49  | 50  | 51  | 52  | 53  | 54  | 55  | 56  | 56  | 56  | 57  | 58  | 59  | 60  | 61  | 62  | 63  | 64  |
| OBS:              | 22   | 18  | 7   | 21  | 12  | 18  | 19  | 21  | 18  | 25  | 29  | 21  | 14  | 10  | 24  | 19  | 23  | 18  | 22  | 19  | 18  | 21  | 16  |
| DPHI:             | -6   | -5  | -4  | -3  | -2  | -1  | 0   | 1   | 2   | 3   | 5   | 6   | 6   | 6   | 6   | 7   | 8   | 10  | 10  | 11  | 12  | 13  | 14  |
|                   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| AZ:               | 65   | 66  | 67  | 68  | 69  | 70  | 71  | 72  | 73  | 74  | 75  | 78  | 82  | 86  | 90  | 95  | 99  | 110 | 118 | 126 | 135 |     |     |
| OBS:              | 17   | 14  | 9   | 0   | 14  | 15  | 16  | 13  | 28  | 18  | 14  | 24  | 17  | 2   | 0   | 1   | 19  | 10  | 12  | 15  | 16  |     |     |
| DPHI:             | 15   | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 28  | 32  | 36  | 40  | 45  | 49  | 60  | 68  | 76  | 85  |     |     |
|                   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 20 11 AZ:    | 70   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 7.0 KM; OBS:  | 31   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0 DPHI:    | 20   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 20 11 AZ:    | 343  | 350 | 358 | 6   | 14  | 19  | 22  | 26  | 31  | 34  | 39  | 41  | 41  | 43  | 44  | 45  | 46  | 47  | 48  | 49  | 50  | 51  | 51  |
| R = 10.0 KM; OBS: | 0    | 3   | 0   | 3   | 1   | 0   | 3   | 0   | 3   | 5   | 4   | 2   | 0   | 2   | 0   | 6   | 0   | 10  | 6   | 10  | 15  | 19  |     |
| JDGMT: 3 DPHI:    | -67  | -60 | -52 | -44 | -36 | -31 | -28 | -23 | -19 | -16 | -11 | -9  | -8  | -7  | -6  | -5  | -4  | -3  | -2  | -1  | 0   | 1   | 2   |
|                   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| AZ:               | 53   | 53  | 55  | 57  | 58  | 58  | 59  | 60  | 60  | 63  | 68  | 73  | 77  | 80  | 84  | 92  | 99  | 108 | 115 | 124 |     |     |     |
| OBS:              | 21   | 15  | 15  | 20  | 14  | 11  | 11  | 10  | 10  | 9   | 9   | 20  | 0   | 9   | 8   | 10  | 14  | 12  | 0   | 7   |     |     |     |
| DPHI:             | 3    | 3   | 5   | 7   | 8   | 8   | 9   | 10  | 10  | 13  | 18  | 23  | 27  | 31  | 35  | 42  | 49  | 58  | 65  | 74  |     |     |     |
|                   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 20 11 AZ:    | 318  | 334 | 351 | 7   | 23  | 41  | 54  | 70  | 87  | 103 |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 15.0 KM; OBS: | 0    | 3   | 0   | 0   | 0   | 38  | 8   | 30  | 8   | 4   |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 3 DPHI:    | -92  | -76 | -59 | -43 | -27 | -9  | 5   | 20  | 37  | 53  |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 20 12 AZ:    | 318  | 326 | 335 | 342 | 350 | 1   | 1   | 8   | 16  | 23  | 30  | 42  | 47  | 54  | 54  | 62  | 71  | 78  | 87  | 94  | 101 | 110 | 118 |
| R = 0.5 KM; OBS:  | 57   | 63  | 50  | 52  | 0   | 53  | 51  | 0   | 51  | 22  | 55  | 50  | 22  | 49  | 43  | 53  | 45  | 56  | 52  | 54  | 50  | 51  | 60  |
| JDGMT: 2 DPHI:    | -91  | -83 | -74 | -66 | -59 | -48 | -48 | -41 | -32 | -26 | -18 | -7  | -2  | 5   | 6   | 13  | 22  | 29  | 38  | 45  | 52  | 61  | 69  |
|                   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 20 12 AZ:    | 245  | 315 | 323 | 332 | 342 | 350 | 358 | 6   | 14  | 22  | 30  | 38  | 46  | 54  | 60  | 67  | 78  | 86  | 94  | 102 | 109 | 118 | 213 |
| R = 1.0 KM; OBS:  | 53   | 55  | 37  | 32  | 43  | 40  | 52  | 50  | 21  | 51  | 43  | 55  | 53  | 46  | 41  | 50  | 46  | 44  | 46  | 41  | 25  | 33  | 62  |
| JDGMT: 2 DPHI:    | -163 | -94 | -85 | -76 | -67 | -59 | -51 | -42 | -35 | -27 | -19 | -10 | -3  | 5   | 11  | 18  | 29  | 37  | 45  | 53  | 60  | 69  | 164 |
|                   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 20 12 AZ:    | 325  | 333 | 343 | 349 | 358 | 6   | 10  | 33  | 38  | 46  | 54  | 62  | 94  | 102 | 110 | 117 |     |     |     |     |     |     |     |
| R = 2.0 KM; OBS:  | 47   | 48  | 46  | 21  | 34  | 33  | 31  | 34  | 48  | 53  | 32  | 49  | 24  | 38  | 36  | 26  |     |     |     |     |     |     |     |
| JDGMT: 3 DPHI:    | -83  | -76 | -66 | -59 | -51 | -43 | -39 | -15 | -10 | -3  | 5   | 13  | 45  | 53  | 61  | 69  |     |     |     |     |     |     |     |
|                   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 20 12 AZ:    | 324  | 335 | 341 | 351 | 14  | 23  | 30  | 42  | 46  | 54  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 61  | 70  | 78  | 87  | 94  |
| R = 3.0 KM; OBS:  | 25   | 21  | 20  | 21  | 25  | 27  | 23  | 224 | 16  | 36  | 17  | 36  | 38  | 38  | 17  | 36  | 36  | 0   | 43  | 26  | 32  | 34  | 24  |
| JDGMT: 3 DPHI:    | -85  | -74 | -68 | -58 | -35 | -26 | -19 | -7  | -2  | 5   | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 12  | 22  | 30  | 38  | 45  |
|                   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| AZ:               | 102  | 110 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| OBS:              | 23   | 24  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| DPHI:             | 53   | 62  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 20 12 AZ:    | 342  | 351 | 0   | 7   | 10  | 14  | 18  | 22  | 26  | 30  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 39  | 39  | 40  | 41  | 42  |

|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------------------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| R = 5.0 KM; OBS:  | 12   | 8    | 0   | 11  | 14  | 3   | 5   | 17  | 20  | 14  | 19  | 14  | 13  | 17  | 2   | 53  | 28  | 31  | 23  | 29  | 28  | 24  | 82  |
| JDGMT: 3 DPHI:    | -67  | -58  | -49 | -42 | -39 | -35 | -31 | -27 | -22 | -19 | -17 | -16 | -14 | -14 | -13 | -12 | -11 | -10 | -10 | -10 | -9  | -8  | -7  |
| AZ:               | 43   | 44   | 45  | 46  | 47  | 49  | 50  | 51  | 52  | 53  | 54  | 55  | 56  | 56  | 56  | 57  | 58  | 60  | 61  | 62  | 63  | 64  | 65  |
| OBS:              | 27   | 32   | 29  | 17  | 30  | 20  | 12  | 36  | 11  | 28  | 33  | 32  | 30  | 39  | 37  | 35  | 25  | 31  | 34  | 33  | 36  | 49  | 34  |
| DPHI:             | -6   | -5   | -4  | -3  | -2  | 0   | 1   | 2   | 3   | 4   | 6   | 7   | 8   | 8   | 8   | 9   | 9   | 12  | 12  | 14  | 14  | 16  | 16  |
| AZ:               | 66   | 67   | 68  | 69  | 70  | 71  | 72  | 73  | 74  | 75  | 78  | 82  | 86  | 90  | 95  | 99  | 103 | 110 | 118 | 126 | 135 |     |     |
| OBS:              | 31   | 28   | 25  | 32  | 33  | 20  | 12  | 30  | 27  | 26  | 26  | 22  | 18  | 20  | 7   | 9   | 16  | 13  | 12  | 46  | 11  |     |     |
| DPHI:             | 18   | 18   | 19  | 20  | 21  | 22  | 24  | 25  | 25  | 26  | 30  | 33  | 37  | 41  | 46  | 50  | 54  | 61  | 69  | 77  | 86  |     |     |
| 82 8 20 12 AZ:    | 70   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 7.0 KM; OBS:  | 42   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0 DPHI:    | 22   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 20 12 AZ:    | 343  | 350  | 358 | 6   | 14  | 19  | 22  | 26  | 31  | 34  | 39  | 41  | 41  | 43  | 44  | 45  | 46  | 47  | 48  | 49  | 50  | 51  | 51  |
| R = 10.0 KM; OBS: | 0    | 4    | 0   | 4   | 6   | 0   | 0   | 11  | 24  | 20  | 10  | 9   | 0   | 12  | 14  | 16  | 17  | 11  | 0   | 18  | 23  | 23  | 21  |
| JDGMT: 2 DPHI:    | -66  | -59  | -51 | -43 | -35 | -30 | -27 | -22 | -18 | -15 | -10 | -8  | -7  | -6  | -5  | -4  | -3  | -2  | -1  | 0   | 1   | 2   | 3   |
| AZ:               | 53   | 53   | 55  | 57  | 58  | 58  | 59  | 60  | 60  | 63  | 68  | 73  | 77  | 80  | 84  | 92  | 99  | 108 | 115 | 124 |     |     |     |
| OBS:              | 16   | 22   | 21  | 0   | 20  | 18  | 21  | 21  | 8   | 9   | 27  | 46  | 71  | 52  | 39  | 0   | 0   | 9   | 7   | 4   |     |     |     |
| DPHI:             | 4    | 4    | 6   | 8   | 9   | 9   | 10  | 11  | 11  | 14  | 19  | 24  | 28  | 32  | 36  | 43  | 50  | 59  | 67  | 76  |     |     |     |
| 82 8 20 12 AZ:    | 318  | 334  | 351 | 7   | 23  | 41  | 54  | 70  | 87  | 103 |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 15.0 KM; OBS: | 0    | 17   | 0   | 0   | 0   | 0   | 37  | 54  | 156 | 4   |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 3 DPHI:    | -91  | -75  | -58 | -42 | -26 | -8  | 6   | 21  | 38  | 54  |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 20 13 AZ:    | 318  | 326  | 335 | 342 | 350 | 1   | 1   | 8   | 16  | 23  | 30  | 42  | 47  | 54  | 54  | 62  | 71  | 78  | 87  | 94  | 101 | 110 | 118 |
| R = 0.5 KM; OBS:  | 15   | 0    | 18  | 20  | 16  | 14  | 4   | 8   | 8   | 0   | 10  | 14  | 7   | 9   | 9   | 13  | 0   | 12  | 4   | 13  | 15  | 0   | 8   |
| JDGMT: 2 DPHI:    | -101 | -93  | -85 | -77 | -69 | -58 | -58 | -51 | -43 | -36 | -29 | -17 | -12 | -5  | -5  | 3   | 12  | 19  | 28  | 35  | 42  | 51  | 59  |
| 82 8 20 13 AZ:    | 245  | 315  | 323 | 332 | 342 | 350 | 358 | 6   | 14  | 22  | 30  | 38  | 46  | 54  | 60  | 67  | 78  | 86  | 94  | 102 | 109 | 118 | 213 |
| R = 1.0 KM; OBS:  | 11   | 11   | 49  | 11  | 13  | 18  | 16  | 19  | 17  | 15  | 10  | 21  | 17  | 21  | 33  | 18  | 55  | 75  | 26  | 15  | 16  | 0   | 14  |
| JDGMT: 2 DPHI:    | -174 | -104 | -96 | -87 | -77 | -69 | -61 | -53 | -45 | -37 | -29 | -21 | -13 | -5  | 1   | 8   | 19  | 27  | 35  | 43  | 50  | 59  | 154 |
| 82 8 20 13 AZ:    | 325  | 333  | 343 | 349 | 358 | 6   | 10  | 33  | 38  | 46  | 54  | 62  | 94  | 102 | 110 | 117 |     |     |     |     |     |     |     |
| R = 2.0 KM; OBS:  | 12   | 16   | 3   | 16  | 12  | 14  | 1   | 28  | 0   | 85  | 33  | 97  | 13  | 10  | 21  | 0   |     |     |     |     |     |     |     |
| JDGMT: 3 DPHI:    | -94  | -86  | -76 | -70 | -61 | -53 | -49 | -26 | -21 | -13 | -5  | 3   | 35  | 43  | 51  | 58  |     |     |     |     |     |     |     |
| 82 8 20 13 AZ:    | 324  | 335  | 341 | 351 | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 61  | 70  | 78  |
| R = 3.0 KM; OBS:  | 0    | 4    | 0   | 0   | 0   | 16  | 18  | 20  | 5   | 12  | 58  | 85  | 153 | 102 | 130 | 149 | 158 | 153 | 150 | 23  | 20  | 66  | 12  |
| JDGMT: 3 DPHI:    | -95  | -84  | -78 | -68 | -62 | -54 | -45 | -36 | -29 | -17 | -13 | -5  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 2   | 11  | 19  |
| AZ:               | 87   | 94   | 102 | 110 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| OBS:              | 13   | 19   | 9   | 13  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| DPHI:             | 28   | 35   | 43  | 51  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 20 13 AZ:    | 342  | 351  | 0   | 7   | 10  | 14  | 18  | 26  | 30  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 39  | 39  | 40  | 42  | 43  | 44  |
| R = 5.0 KM; OBS:  | 1    | 16   | 7   | 10  | 9   | 19  | 21  | 2   | 16  | 17  | 4   | 16  | 14  | 23  | 19  | 21  | 14  | 14  | 13  | 18  | 24  | 19  | 26  |
| JDGMT: 3 DPHI:    | -77  | -68  | -59 | -52 | -49 | -45 | -41 | -33 | -29 | -27 | -26 | -25 | -24 | -23 | -22 | -21 | -20 | -20 | -20 | -19 | -17 | -16 | -15 |
| AZ:               | 45   | 46   | 47  | 48  | 49  | 50  | 51  | 52  | 53  | 54  | 55  | 56  | 56  | 56  | 57  | 58  | 59  | 60  | 61  | 62  | 63  | 64  | 65  |

|       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| OBS:  | 11  | 29  | 38  | 48  | 45  | 84  | 98  | 102 | 0   | 105 | 113 | 113 | 117 | 117 | 118 | 78  | 103 | 126 | 127 | 151 | 167 | 130 | 133 |
| DPHI: | -14 | -13 | -12 | -11 | -10 | -9  | -8  | -7  | -6  | -5  | -4  | -3  | -3  | -3  | -2  | -1  | 0   | 1   | 2   | 3   | 4   | 5   | 6   |
| AZ:   | 66  | 68  | 69  | 70  | 71  | 72  | 73  | 74  | 75  | 78  | 82  | 86  | 90  | 95  | 99  | 103 | 110 | 118 | 126 | 135 |     |     |     |
| OBS:  | 144 | 128 | 102 | 144 | 63  | 118 | 145 | 181 | 163 | 97  | 79  | 0   | 8   | 7   | 0   | 14  | 8   | 5   | 0   | 3   |     |     |     |
| DPHI: | 7   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 19  | 23  | 27  | 31  | 36  | 40  | 44  | 51  | 59  | 67  | 76  |     |     |     |

82 8 20 13 AZ: 70  
R = 7.0 KM; OBS: 50  
JDGMT: 0 DPHI: 11

|                   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|
| 82 8 20 13 AZ:    | 350 | 358 | 6   | 14  | 22  | 26  | 31  | 34  | 39  | 41  | 41  | 43  | 44  | 45  | 46  | 47  | 48  | 49  | 50 | 51 | 51 | 53 | 53 |
| R = 10.0 KM; OBS: | 3   | 6   | 0   | 11  | 17  | 3   | 18  | 12  | 13  | 12  | 0   | 12  | 12  | 14  | 17  | 24  | 0   | 15  | 13 | 24 | 0  | 17 | 20 |
| JDGMT: 2 DPHI:    | -69 | -61 | -54 | -45 | -37 | -33 | -28 | -25 | -20 | -18 | -18 | -17 | -15 | -14 | -13 | -12 | -11 | -10 | -9 | -8 | -8 | -6 | -6 |
| AZ:               | 55  | 57  | 58  | 58  | 59  | 60  | 60  | 63  | 68  | 73  | 77  | 80  | 84  | 92  | 99  | 108 | 115 | 124 |    |    |    |    |    |
| OBS:              | 20  | 35  | 23  | 12  | 28  | 29  | 28  | 94  | 62  | 50  | 99  | 227 | 187 | 28  | 6   | 0   | 3   | 5   |    |    |    |    |    |
| DPHI:             | -5  | -2  | -2  | -1  | 0   | 1   | 1   | 4   | 9   | 14  | 18  | 21  | 25  | 33  | 40  | 49  | 56  | 65  |    |    |    |    |    |

82 8 20 13 AZ: 318 334 351 7 23 41 54 70 87 103  
R = 15.0 KM; OBS: 2 3 6 0 5 1 17 13 122 0  
JDGMT: 2 DPHI: -101 -85 -68 -52 -36 -18 -5 11 28 44

|                  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |     |     |     |
|------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|-----|-----|-----|
| 82 8 20 14 AZ:   | 318  | 326 | 335 | 342 | 350 | 1   | 1   | 8   | 16  | 23  | 30  | 42  | 47  | 54  | 54  | 62 | 71 | 78 | 87 | 94 | 101 | 110 | 118 |
| R = 0.5 KM; OBS: | 2    | 5   | 0   | 1   | 0   | 14  | 0   | 0   | 14  | 0   | 3   | 0   | 0   | 0   | 0   | 21 | 6  | 0  | 0  | 0  | 0   | 0   | 8   |
| JDGMT: 3 DPHI:   | -107 | -99 | -91 | -83 | -75 | -65 | -64 | -57 | -49 | -43 | -35 | -24 | -18 | -12 | -11 | -4 | 6  | 13 | 22 | 29 | 36  | 44  | 53  |

|                  |      |      |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |     |     |     |     |     |
|------------------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|-----|-----|-----|-----|-----|
| 82 8 20 14 AZ:   | 315  | 323  | 332 | 342 | 350 | 358 | 6   | 14  | 22  | 30  | 38  | 46  | 54  | 60 | 67 | 78 | 86 | 94 | 102 | 109 | 118 | 213 | 245 |
| R = 1.0 KM; OBS: | 0    | 1    | 0   | 2   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 31  | 71 | 40 | 47 | 62 | 43 | 6   | 1   | 0   | 5   | 0   |
| JDGMT: 3 DPHI:   | -110 | -102 | -93 | -83 | -76 | -67 | -59 | -51 | -43 | -35 | -27 | -19 | -11 | -5 | 2  | 13 | 20 | 28 | 37  | 44  | 52  | 147 | 180 |

|                  |      |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |  |  |  |  |  |  |  |
|------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|--|--|--|--|--|--|--|
| 82 8 20 14 AZ:   | 325  | 333 | 343 | 349 | 358 | 6   | 10  | 33  | 38  | 46  | 54  | 62  | 94 | 102 | 110 | 117 |  |  |  |  |  |  |  |
| R = 2.0 KM; OBS: | 0    | 0   | 4   | 0   | 0   | 0   | 13  | 0   | 5   | 19  | 96  | 109 | 8  | 0   | 9   | 3   |  |  |  |  |  |  |  |
| JDGMT: 3 DPHI:   | -100 | -92 | -83 | -76 | -67 | -60 | -56 | -32 | -27 | -19 | -11 | -4  | 29 | 36  | 44  | 52  |  |  |  |  |  |  |  |

|                  |      |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |
|------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|
| 82 8 20 14 AZ:   | 324  | 335 | 341 | 351 | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 61 | 70 | 78 |
| R = 3.0 KM; OBS: | 0    | 0   | 4   | 6   | 12  | 0   | 0   | 1   | 0   | 5   | 7   | 2   | 27 | 25 | 23 | 60 | 28 | 24 | 28 | 27 | 47 | 71 | 43 |
| JDGMT: 2 DPHI:   | -101 | -91 | -85 | -74 | -69 | -60 | -51 | -43 | -36 | -23 | -19 | -11 | -7 | -6 | -6 | -6 | -6 | -6 | -6 | -6 | -5 | 5  | 13 |

|       |    |    |     |     |
|-------|----|----|-----|-----|
| AZ:   | 87 | 94 | 102 | 110 |
| OBS:  | 30 | 10 | 4   | 0   |
| DPHI: | 22 | 29 | 37  | 45  |

|                  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 82 8 20 14 AZ:   | 342 | 351 | 0   | 7   | 10  | 14  | 18  | 22  | 26  | 30  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 39  | 39  | 40  | 41  | 42  |
| R = 5.0 KM; OBS: | 6   | 8   | 0   | 0   | 3   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 3   | 3   | 0   | 6   | 0   |
| JDGMT: 3 DPHI:   | -83 | -74 | -65 | -58 | -56 | -51 | -47 | -44 | -39 | -35 | -33 | -32 | -31 | -30 | -29 | -28 | -27 | -26 | -26 | -26 | -25 | -24 | -23 |

|       |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|
| AZ:   | 43  | 44  | 45  | 46  | 47  | 48  | 49  | 50  | 51  | 52  | 53  | 54  | 55  | 56 | 56 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 |
| OBS:  | 0   | 0   | 0   | 3   | 0   | 6   | 3   | 0   | 0   | 5   | 13  | 10  | 14  | 18 | 27 | 17 | 13 | 16 | 16 | 23 | 13 | 23 | 32 |
| DPHI: | -22 | -22 | -20 | -19 | -18 | -17 | -16 | -15 | -14 | -13 | -12 | -11 | -10 | -9 | -9 | -9 | -8 | -7 | -6 | -5 | -4 | -3 | -2 |

|     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |     |     |     |
|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|
| AZ: | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 78 | 82 | 86 | 90 | 95 | 99 | 103 | 110 | 118 | 126 | 135 |
|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|

|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|
|              | OBS:  | 26   | 17   | 22  | 27  | 29  | 41  | 10  | 62  | 58  | 58  | 56  | 50  | 19  | 13  | 22  | 0   | 14  | 14  | 0   | 3   | 7   | 9   | 5   |  |  |
|              | DPHI: | -1   | 0    | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 13  | 17  | 21  | 25  | 29  | 34  | 37  | 45  | 53  | 61  | 70  |  |  |
| 82 8 20 14   | AZ:   | 70   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| R = 7.0 KM;  | OBS:  | 35   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| JDGMT: 0     | DPHI: | 5    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| 82 8 20 14   | AZ:   | 350  | 358  | 6   | 14  | 22  | 26  | 31  | 34  | 39  | 41  | 41  | 43  | 44  | 45  | 46  | 47  | 48  | 49  | 50  | 51  | 51  | 53  | 53  |  |  |
| R = 10.0 KM; | OBS:  | 6    | 3    | 0   | 2   | 3   | 0   | 6   | 6   | 0   | 1   | 2   | 5   | 0   | 6   | 9   | 9   | 10  | 21  | 23  | 21  | 22  | 32  | 26  |  |  |
| JDGMT: 2     | DPHI: | -75  | -67  | -60 | -51 | -43 | -39 | -35 | -31 | -26 | -24 | -24 | -23 | -21 | -20 | -19 | -19 | -18 | -17 | -15 | -14 | -14 | -12 | -12 |  |  |
|              | AZ:   | 55   | 57   | 58  | 58  | 59  | 60  | 60  | 63  | 68  | 73  | 77  | 80  | 84  | 92  | 99  | 108 | 115 | 124 |     |     |     |     |     |  |  |
|              | OBS:  | 33   | 27   | 58  | 69  | 70  | 20  | 69  | 50  | 0   | 43  | 97  | 79  | 113 | 51  | 0   | 0   | 1   | 2   |     |     |     |     |     |  |  |
|              | DPHI: | -11  | -9   | -8  | -7  | -7  | -6  | -5  | -2  | 3   | 7   | 12  | 15  | 19  | 27  | 33  | 43  | 50  | 59  |     |     |     |     |     |  |  |
| 82 8 20 14   | AZ:   | 318  | 334  | 351 | 7   | 23  | 41  | 54  | 70  | 87  | 103 |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| R = 15.0 KM; | OBS:  | 0    | 6    | 0   | 3   | 0   | 15  | 0   | 44  | 78  | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| JDGMT: 2     | DPHI: | -107 | -91  | -75 | -59 | -42 | -24 | -11 | 5   | 21  | 37  |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| 82 8 20 15   | AZ:   | 318  | 326  | 335 | 342 | 350 | 1   | 1   | 8   | 16  | 23  | 30  | 42  | 47  | 54  | 54  | 62  | 71  | 78  | 87  | 94  | 101 | 110 | 118 |  |  |
| R = 0.5 KM;  | OBS:  | 3    | 0    | 0   | 2   | 0   | 3   | 0   | 0   | 0   | 3   | 0   | 4   | 5   | 0   | 4   | 0   | 14  | 0   | 0   | 1   | 3   | 1   | 6   |  |  |
| JDGMT: 3     | DPHI: | -107 | -100 | -91 | -83 | -76 | -65 | -64 | -58 | -49 | -43 | -35 | -24 | -19 | -12 | -11 | -4  | 6   | 13  | 22  | 28  | 35  | 44  | 52  |  |  |
| 82 8 20 15   | AZ:   | 315  | 323  | 332 | 342 | 350 | 358 | 6   | 14  | 22  | 30  | 38  | 46  | 54  | 60  | 67  | 78  | 86  | 94  | 102 | 109 | 118 | 213 | 245 |  |  |
| R = 1.0 KM;  | OBS:  | 7    | 0    | 0   | 3   | 5   | 0   | 1   | 4   | 4   | 0   | 3   | 4   | 7   | 14  | 7   | 51  | 12  | 35  | 4   | 0   | 0   | 0   | 0   |  |  |
| JDGMT: 2     | DPHI: | -110 | -102 | -93 | -84 | -76 | -68 | -59 | -51 | -43 | -35 | -27 | -20 | -12 | -6  | 1   | 12  | 20  | 28  | 36  | 44  | 52  | 147 | 180 |  |  |
| 82 8 20 15   | AZ:   | 325  | 333  | 343 | 349 | 358 | 6   | 10  | 33  | 38  | 46  | 54  | 62  | 94  | 102 | 110 | 117 |     |     |     |     |     |     |     |  |  |
| R = 2.0 KM;  | OBS:  | 4    | 1    | 6   | 0   | 33  | 0   | 0   | 0   | 16  | 6   | 12  | 32  | 6   | 6   | 0   | 2   |     |     |     |     |     |     |     |  |  |
| JDGMT: 3     | DPHI: | -100 | -92  | -83 | -76 | -68 | -60 | -56 | -32 | -27 | -20 | -12 | -4  | 29  | 36  | 44  | 52  |     |     |     |     |     |     |     |  |  |
| 82 8 20 15   | AZ:   | 324  | 335  | 341 | 351 | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 61  | 70  | 78  |  |  |
| R = 3.0 KM;  | OBS:  | 0    | 0    | 3   | 0   | 17  | 2   | 4   | 0   | 6   | 0   | 0   | 4   | 8   | 8   | 6   | 15  | 9   | 9   | 7   | 4   | 14  | 23  | 34  |  |  |
| JDGMT: 2     | DPHI: | -101 | -91  | -85 | -75 | -69 | -61 | -51 | -43 | -36 | -23 | -19 | -11 | -7  | -7  | -7  | -7  | -7  | -7  | -7  | -6  | -5  | 5   | 13  |  |  |
|              | AZ:   | 87   | 94   | 102 | 110 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              | OBS:  | 62   | 0    | 3   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              | DPHI: | 21   | 29   | 37  | 45  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| 82 8 20 15   | AZ:   | 342  | 351  | 0   | 7   | 10  | 14  | 18  | 22  | 26  | 30  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 39  | 39  | 40  | 41  | 42  |  |  |
| R = 5.0 KM;  | OBS:  | 1    | 0    | 0   | 5   | 3   | 3   | 0   | 2   | 0   | 0   | 0   | 0   | 3   | 4   | 5   | 7   | 16  | 0   | 4   | 0   | 0   | 0   | 9   |  |  |
| JDGMT: 2     | DPHI: | -83  | -75  | -65 | -58 | -56 | -52 | -48 | -44 | -39 | -36 | -34 | -32 | -31 | -30 | -29 | -28 | -27 | -27 | -27 | -27 | -25 | -24 | -23 |  |  |
|              | AZ:   | 43   | 44   | 45  | 46  | 47  | 48  | 49  | 50  | 51  | 52  | 53  | 54  | 55  | 56  | 56  | 56  | 57  | 58  | 59  | 60  | 61  | 62  | 63  |  |  |
|              | OBS:  | 5    | 0    | 0   | 0   | 16  | 2   | 3   | 0   | 3   | 0   | 2   | 30  | 6   | 5   | 25  | 3   | 10  | 33  | 2   | 9   | 3   | 12  | 0   |  |  |
|              | DPHI: | -22  | -22  | -20 | -20 | -19 | -18 | -17 | -16 | -15 | -14 | -13 | -11 | -10 | -9  | -9  | -9  | -8  | -7  | -6  | -5  | -5  | -3  | -2  |  |  |
|              | AZ:   | 64   | 65   | 66  | 67  | 68  | 69  | 70  | 71  | 72  | 73  | 74  | 75  | 78  | 82  | 86  | 90  | 95  | 99  | 103 | 110 | 118 | 126 | 135 |  |  |
|              | OBS:  | 11   | 12   | 0   | 12  | 9   | 20  | 16  | 21  | 10  | 32  | 37  | 37  | 45  | 77  | 25  | 0   | 15  | 0   | 0   | 4   | 10  | 19  | 0   |  |  |
|              | DPHI: | -1   | 0    | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 13  | 17  | 20  | 25  | 29  | 33  | 37  | 44  | 52  | 61  | 70  |  |  |
| 82 8 20 15   | AZ:   | 70   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |

R = 7.0 KM; OBS: 143  
JDGMT: 0 DPHI: 5

|                   |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 82 8 20 15        | AZ:   | 350 | 358 | 6   | 14  | 22  | 26  | 31  | 34  | 39  | 41  | 41  | 43  | 44  | 45  | 46  | 47  | 48  | 49  | 50  | 51  | 51  | 53  | 53  |
| R = 10.0 KM; OBS: |       | 6   | 2   | 5   | 0   | 0   | 0   | 5   | 4   | 0   | 0   | 10  | 0   | 5   | 0   | 0   | 0   | 0   | 0   | 11  | 2   | 4   | 0   | 0   |
| JDGMT: 2          | DPHI: | -76 | -67 | -60 | -51 | -44 | -39 | -35 | -32 | -26 | -24 | -24 | -23 | -22 | -20 | -20 | -19 | -18 | -17 | -15 | -15 | -14 | -13 | -12 |
|                   | AZ:   | 55  | 57  | 58  | 58  | 59  | 60  | 60  | 63  | 68  | 73  | 77  | 80  | 84  | 92  | 99  | 108 | 115 | 124 |     |     |     |     |     |
|                   | OBS:  | 0   | 0   | 9   | 0   | 0   | 24  | 23  | 8   | 15  | 23  | 28  | 35  | 33  | 29  | 26  | 3   | 0   | 0   |     |     |     |     |     |
|                   | DPHI: | -11 | -9  | -8  | -8  | -7  | -6  | -5  | -3  | 3   | 7   | 11  | 15  | 19  | 26  | 33  | 43  | 50  | 59  |     |     |     |     |     |

|                   |       |      |     |     |     |     |     |     |    |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-------------------|-------|------|-----|-----|-----|-----|-----|-----|----|----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 82 8 20 15        | AZ:   | 318  | 334 | 351 | 7   | 23  | 41  | 54  | 70 | 87 | 103 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| R = 15.0 KM; OBS: |       | 0    | 8   | 2   | 0   | 0   | 0   | 31  | 28 | 45 | 21  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| JDGMT: 3          | DPHI: | -107 | -91 | -75 | -59 | -42 | -24 | -11 | 4  | 21 | 37  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|                  |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |     |     |     |
|------------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|-----|-----|-----|
| 82 8 20 16       | AZ:   | 318  | 326  | 335 | 342 | 350 | 1   | 1   | 8   | 16  | 23  | 30  | 42  | 47  | 54  | 54  | 62 | 71 | 78 | 87 | 94 | 101 | 110 | 118 |
| R = 0.5 KM; OBS: |       | 2    | 17   | 0   | 8   | 0   | 3   | 0   | 0   | 1   | 0   | 3   | 1   | 0   | 0   | 5   | 6  | 0  | 3  | 4  | 5  | 4   | 0   | 0   |
| JDGMT: 2         | DPHI: | -111 | -103 | -94 | -86 | -79 | -68 | -68 | -61 | -53 | -46 | -39 | -27 | -22 | -15 | -15 | -7 | 2  | 9  | 18 | 25 | 32  | 41  | 49  |

|                  |       |      |      |     |     |     |     |     |     |     |     |     |     |     |    |    |    |     |    |     |     |     |     |     |
|------------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|-----|----|-----|-----|-----|-----|-----|
| 82 8 20 16       | AZ:   | 315  | 323  | 332 | 342 | 350 | 358 | 6   | 14  | 22  | 30  | 38  | 46  | 54  | 60 | 67 | 78 | 86  | 94 | 102 | 109 | 118 | 213 | 245 |
| R = 1.0 KM; OBS: |       | 0    | 3    | 0   | 3   | 0   | 0   | 7   | 0   | 2   | 0   | 2   | 19  | 13  | 56 | 34 | 86 | 180 | 12 | 0   | 0   | 0   | 5   | 0   |
| JDGMT: 2         | DPHI: | -114 | -106 | -97 | -87 | -79 | -71 | -63 | -55 | -47 | -39 | -31 | -23 | -15 | -9 | -2 | 9  | 17  | 25 | 33  | 40  | 49  | 144 | 176 |

|                  |       |      |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |  |  |  |  |  |  |  |
|------------------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|--|--|--|--|--|--|--|
| 82 8 20 16       | AZ:   | 325  | 333 | 343 | 349 | 358 | 6   | 10  | 33  | 38  | 46  | 54  | 62  | 94 | 102 | 110 | 117 |  |  |  |  |  |  |  |
| R = 2.0 KM; OBS: |       | 0    | 1   | 0   | 0   | 0   | 3   | 0   | 3   | 0   | 0   | 4   | 136 | 0  | 0   | 0   | 3   |  |  |  |  |  |  |  |
| JDGMT: -3        | DPHI: | -104 | -96 | -86 | -80 | -71 | -63 | -59 | -35 | -31 | -23 | -15 | -7  | 25 | 33  | 41  | 49  |  |  |  |  |  |  |  |

|                  |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
|------------------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|
| 82 8 20 16       | AZ:   | 324  | 335 | 341 | 351 | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 61 | 70 | 78 |
| R = 3.0 KM; OBS: |       | 0    | 0   | 1   | 0   | 19  | 7   | 0   | 5   | 14  | 10  | 0   | 24  | 45  | 45  | 42  | 47  | 41  | 40  | 47  | 39  | 70 | 70 | 60 |
| JDGMT: 3         | DPHI: | -105 | -94 | -88 | -78 | -72 | -64 | -55 | -46 | -39 | -27 | -23 | -15 | -10 | -10 | -10 | -10 | -10 | -10 | -10 | -10 | -8 | 1  | 9  |

|  |       |    |    |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|-------|----|----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|  | AZ:   | 87 | 94 | 102 | 110 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | OBS:  | 4  | 24 | 6   | 0   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | DPHI: | 18 | 25 | 33  | 41  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|                  |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|------------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 82 8 20 16       | AZ:   | 342 | 351 | 0   | 7   | 10  | 14  | 18  | 22  | 26  | 30  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 39  | 39  | 40  | 41  | 42  |
| R = 5.0 KM; OBS: |       | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 3   | 3   | 0   | 0   | 0   | 0   | 0   | 3   | 0   | 0   | 1   | 7   | 0   | 1   | 0   | 0   |
| JDGMT: 2         | DPHI: | -87 | -78 | -69 | -62 | -59 | -55 | -51 | -47 | -43 | -39 | -37 | -36 | -35 | -34 | -33 | -32 | -31 | -30 | -30 | -30 | -29 | -28 | -27 |

|  |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
|--|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|
|  | AZ:   | 43  | 44  | 45  | 46  | 47  | 48  | 50  | 51  | 52  | 53  | 54  | 55  | 56  | 56  | 56  | 57  | 58  | 59  | 60 | 61 | 62 | 63 | 64 |
|  | OBS:  | 0   | 9   | 0   | 0   | 0   | 5   | 0   | 4   | 0   | 2   | 0   | 11  | 0   | 14  | 14  | 13  | 25  | 24  | 30 | 39 | 6  | 30 | 26 |
|  | DPHI: | -26 | -25 | -24 | -23 | -22 | -21 | -19 | -18 | -17 | -16 | -15 | -13 | -13 | -13 | -13 | -12 | -11 | -10 | -9 | -8 | -7 | -6 | -5 |

|  |       |    |    |    |    |    |    |    |    |    |    |    |     |    |     |    |    |    |     |     |     |     |     |
|--|-------|----|----|----|----|----|----|----|----|----|----|----|-----|----|-----|----|----|----|-----|-----|-----|-----|-----|
|  | AZ:   | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 78  | 82 | 86  | 90 | 95 | 99 | 103 | 110 | 118 | 126 | 135 |
|  | OBS:  | 30 | 44 | 41 | 56 | 78 | 83 | 90 | 87 | 82 | 93 | 92 | 126 | 35 | 141 | 61 | 6  | 11 | 12  | 5   | 6   | 7   | 118 |
|  | DPHI: | -4 | -3 | -2 | -1 | 0  | 1  | 2  | 3  | 4  | 5  | 6  | 9   | 13 | 17  | 21 | 26 | 30 | 34  | 41  | 49  | 57  | 66  |

82 8 20 16 AZ: 70  
R = 7.0 KM; OBS: 129  
JDGMT: 0 DPHI: 1

|            |     |     |     |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|------------|-----|-----|-----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 82 8 20 16 | AZ: | 350 | 358 | 6 | 14 | 22 | 26 | 31 | 34 | 39 | 41 | 41 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 51 | 53 | 53 |
|------------|-----|-----|-----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|

|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------------------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| R = 10.0 KM; OBS: | 3    | 0    | 2   | 10  | 114 | 2   | 2   | 3   | 0   | 0   | 5   | 2   | 10  | 0   | 0   | 14  | 4   | 0   | 1   | 7   | 0   | 1   | 1   |
| JDGMT: 3 DPHI:    | -79  | -71  | -63 | -55 | -47 | -42 | -38 | -35 | -30 | -28 | -27 | -26 | -25 | -24 | -23 | -22 | -21 | -20 | -19 | -18 | -17 | -16 | -16 |
| AZ:               | 55   | 57   | 58  | 58  | 59  | 60  | 60  | 63  | 68  | 73  | 77  | 80  | 84  | 92  | 99  | 108 | 115 | 124 |     |     |     |     |     |
| OBS:              | 2    | 0    | 2   | 0   | 0   | 182 | 4   | 12  | 45  | 23  | 1   | 61  | 41  | 33  | 8   | 0   | 0   | 3   |     |     |     |     |     |
| DPHI:             | -14  | -12  | -11 | -11 | -10 | -9  | -9  | -6  | -1  | 4   | 8   | 12  | 16  | 23  | 30  | 39  | 46  | 55  |     |     |     |     |     |
| 82 8 20 16 AZ:    | 318  | 334  | 351 | 7   | 23  | 41  | 54  | 70  | 87  | 103 |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 15.0 KM; OBS: | 0    | 3    | 0   | 0   | 0   | 7   | 3   | 0   | 49  | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 3 DPHI:    | -111 | -95  | -78 | -62 | -46 | -28 | -14 | 1   | 18  | 34  |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 20 17 AZ:    | 318  | 326  | 335 | 342 | 350 | 1   | 1   | 8   | 16  | 23  | 30  | 42  | 47  | 54  | 54  | 62  | 71  | 78  | 87  | 94  | 101 | 110 | 118 |
| R = 0.5 KM; OBS:  | 1    | 0    | 0   | 3   | 0   | 4   | 0   | 0   | 3   | 0   | 8   | 1   | 24  | 0   | 0   | 3   | 0   | 0   | 0   | 4   | 0   | 1   | 4   |
| JDGMT: 3 DPHI:    | -101 | -93  | -85 | -77 | -69 | -58 | -58 | -51 | -43 | -37 | -29 | -17 | -12 | -5  | -5  | 3   | 12  | 19  | 28  | 35  | 42  | 51  | 59  |
| 82 8 20 17 AZ:    | 245  | 315  | 323 | 332 | 342 | 350 | 358 | 6   | 14  | 22  | 30  | 38  | 46  | 54  | 60  | 67  | 78  | 86  | 94  | 102 | 109 | 118 | 213 |
| R = 1.0 KM; OBS:  | 0    | 0    | 1   | 0   | 2   | 6   | 0   | 1   | 0   | 3   | 0   | 0   | 5   | 0   | 0   | 4   | 7   | 6   | 10  | 0   | 0   | 1   |     |
| JDGMT: 2 DPHI:    | -174 | -104 | -96 | -87 | -77 | -70 | -61 | -53 | -45 | -37 | -29 | -21 | -13 | -5  | 1   | 8   | 19  | 26  | 35  | 43  | 50  | 58  | 154 |
| 82 8 20 17 AZ:    | 325  | 333  | 343 | 349 | 358 | 6   | 10  | 33  | 38  | 46  | 54  | 62  | 94  | 102 | 110 | 117 |     |     |     |     |     |     |     |
| R = 2.0 KM; OBS:  | 3    | 0    | 2   | 0   | 2   | 2   | 0   | 17  | 3   | 2   | 0   | 4   | 0   | 3   | 2   |     |     |     |     |     |     |     |     |
| JDGMT: -3 DPHI:   | -94  | -86  | -77 | -70 | -61 | -53 | -49 | -26 | -21 | -13 | -5  | 2   | 35  | 43  | 50  | 58  |     |     |     |     |     |     |     |
| 82 8 20 17 AZ:    | 324  | 335  | 341 | 351 | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 61  | 70  | 78  |
| R = 3.0 KM; OBS:  | 0    | 0    | 2   | 4   | 0   | 0   | 6   | 0   | 6   | 0   | 0   | 3   | 0   | 0   | 0   | 3   | 0   | 5   | 3   | 196 | 5   | 5   | 7   |
| JDGMT: -3 DPHI:   | -95  | -84  | -78 | -68 | -62 | -54 | -45 | -37 | -30 | -17 | -13 | -5  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 11  | 19  |
| AZ:               | 87   | 94   | 102 | 110 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| OBS:              | 4    | 10   | 3   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| DPHI:             | 28   | 35   | 43  | 51  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 20 17 AZ:    | 342  | 351  | 0   | 7   | 10  | 14  | 18  | 22  | 26  | 30  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 39  | 39  | 40  | 41  | 42  |
| R = 5.0 KM; OBS:  | 5    | 0    | 5   | 0   | 7   | 0   | 4   | 0   | 1   | 3   | 0   | 0   | 3   | 2   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 2   | 0   |
| JDGMT: 3 DPHI:    | -77  | -68  | -59 | -52 | -49 | -45 | -41 | -37 | -33 | -29 | -27 | -26 | -25 | -24 | -23 | -22 | -21 | -20 | -20 | -20 | -19 | -18 | -17 |
| AZ:               | 43   | 44   | 45  | 46  | 47  | 48  | 49  | 50  | 51  | 52  | 53  | 54  | 55  | 56  | 56  | 56  | 57  | 58  | 59  | 60  | 61  | 62  | 63  |
| OBS:              | 4    | 2    | 12  | 3   | 3   | 2   | 3   | 0   | 7   | 0   | 3   | 7   | 5   | 5   | 5   | 9   | 5   | 6   | 0   | 7   | 6   | 19  | 0   |
| DPHI:             | -16  | -15  | -14 | -13 | -12 | -11 | -10 | -9  | -8  | -7  | -6  | -5  | -4  | -3  | -3  | -3  | -2  | -1  | 0   | 1   | 2   | 3   | 4   |
| AZ:               | 64   | 65   | 66  | 67  | 68  | 69  | 70  | 71  | 72  | 73  | 74  | 75  | 78  | 82  | 86  | 90  | 95  | 103 | 110 | 118 | 126 | 135 |     |
| OBS:              | 9    | 11   | 11  | 4   | 2   | 23  | 10  | 7   | 3   | 9   | 10  | 15  | 23  | 9   | 7   | 0   | 7   | 0   | 0   | 4   | 0   | 0   |     |
| DPHI:             | 5    | 6    | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 19  | 23  | 27  | 31  | 36  | 44  | 51  | 59  | 67  | 76  |     |
| 82 8 20 17 AZ:    | 70   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 7.0 KM; OBS:  | 0    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0 DPHI:    | 11   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 20 17 AZ:    | 350  | 358  | 6   | 14  | 22  | 26  | 31  | 34  | 39  | 41  | 41  | 43  | 44  | 45  | 46  | 47  | 48  | 49  | 50  | 51  | 51  | 53  | 53  |
| R = 10.0 KM; OBS: | 3    | 0    | 0   | 0   | 2   | 0   | 3   | 6   | 0   | 0   | 0   | 0   | 7   | 0   | 2   | 5   | 0   | 2   | 4   | 1   | 0   | 4   | 4   |
| JDGMT: 2 DPHI:    | -69  | -61  | -54 | -45 | -37 | -33 | -28 | -25 | -20 | -18 | -18 | -17 | -15 | -14 | -13 | -12 | -11 | -10 | -9  | -8  | -8  | -6  | -6  |
| AZ:               | 55   | 57   | 58  | 58  | 59  | 60  | 60  | 63  | 68  | 73  | 77  | 80  | 84  | 92  | 99  | 108 | 115 | 124 |     |     |     |     |     |



R = 15.0 KM; OBS: 0 2 0 0 0 6 3 14 0 0  
JDGMT: 1 DPHI: -110 -94 -78 -62 -46 -27 -14 1 18 34

82 8 20 19 AZ: 318 326 335 342 350 1 1 8 16 23 30 42 47 54 54 62 71 78 87 94 101 110 118  
R = 0.5 KM; OBS: 6 0 0 0 0 2 0 0 1 0 3 0 1 0 4 0 3 0 0 1 3 0 4  
JDGMT: 2 DPHI: -92 -84 -76 -68 -60 -49 -49 -42 -34 -28 -20 -8 -3 4 4 12 21 28 37 44 51 60 68

82 8 20 19 AZ: 245 315 323 332 342 350 358 6 14 22 30 38 46 54 60 67 78 86 94 102 109 118 213  
R = 1.0 KM; OBS: 0 9 0 0 3 4 5 0 0 3 0 3 4 0 3 3 2 0 6 3 0 0 0  
JDGMT: 2 DPHI: -165 -95 -87 -78 -68 -61 -52 -44 -36 -28 -20 -12 -4 4 10 17 28 35 44 52 59 67 163

82 8 20 19 AZ: 325 333 343 349 358 6 10 33 38 46 54 62 94 102 110 117  
R = 2.0 KM; OBS: 0 0 1 0 0 0 0 3 4 0 0 1 0 1 2 0  
JDGMT: 3 DPHI: -85 -77 -68 -61 -52 -44 -41 -17 -12 -4 4 11 44 51 59 67

82 8 20 19 AZ: 324 335 341 351 357 5 14 23 30 42 46 54 59 59 59 59 59 59 59 59 59 61 70 78  
R = 3.0 KM; OBS: 0 0 1 0 0 0 0 0 5 0 0 1 0 1 3 0 4 4 0 0 0 3 0  
JDGMT: 2 DPHI: -86 -75 -69 -59 -53 -45 -36 -28 -21 -8 -4 4 9 9 9 9 9 9 9 9 10 20 28

AZ: 87 94 102 110  
OBS: 0 0 3 0  
DPHI: 37 44 52 60

82 8 20 19 AZ: 342 351 0 7 10 14 18 22 26 30 32 33 34 35 36 37 38 39 39 39 39 40 41 42  
R = 5.0 KM; OBS: 0 8 0 3 2 0 2 0 0 0 0 0 3 0 6 1 0 0 0 0 0 0 4  
JDGMT: 2 DPHI: -68 -59 -50 -43 -40 -36 -32 -28 -24 -20 -18 -17 -16 -15 -14 -13 -12 -11 -11 -11 -10 -9 -8

AZ: 43 44 45 46 47 48 49 50 51 52 53 54 55 56 56 56 57 58 59 60 61 62 63  
OBS: 0 2 0 3 6 1 8 0 4 0 0 0 1 3 2 3 6 0 4 3 7 0  
DPHI: -7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 6 6 7 8 9 10 11 12 13

AZ: 64 65 66 67 68 69 70 71 72 73 74 75 78 82 86 90 95 99 103 110 118 126 135  
OBS: 0 10 0 5 0 1 4 0 0 3 0 0 8 10 0 0 45 0 0 0 0 0 5  
DPHI: 14 15 16 17 18 19 20 21 22 23 24 25 28 32 36 40 45 49 53 60 68 76 85

82 8 20 19 AZ: 70  
R = 7.0 KM; OBS: 0  
JDGMT: 0 DPHI: 20

82 8 20 19 AZ: 350 358 6 14 22 26 31 34 39 41 41 43 44 45 46 47 48 49 50 51 51 53 53  
R = 10.0 KM; OBS: 0 3 1 3 80 0 9 3 0 0 0 0 3 0 0 0 0 0 1 5 0 3 0  
JDGMT: 2 DPHI: -60 -52 -45 -36 -28 -24 -19 -16 -11 -9 -9 -8 -6 -5 -4 -3 -2 -1 0 1 1 3 3

AZ: 55 57 58 58 59 60 60 63 68 73 77 80 84 92 99 108 115 124  
OBS: 4 4 5 0 0 14 9 3 5 17 0 0 0 0 0 2 0 4  
DPHI: 4 7 7 8 9 10 10 13 18 23 27 30 34 42 49 58 65 74

82 8 20 19 AZ: 318 334 351 7 23 41 54 70 87 103  
R = 15.0 KM; OBS: 6 6 0 0 0 0 0 20 14 3  
JDGMT: 3 DPHI: -92 -76 -59 -43 -27 -9 4 20 36 53

82 8 21 16 AZ: 154 205



R = 0.5 KM; OBS: 0 5  
JDGMT: 0 DPHI: -29 22

82 8 21 16 AZ: 22 54  
R = 1.0 KM; OBS: 0 10  
JDGMT: 0 DPHI: -161 -129

82 8 21 16 AZ: 207 221 246  
R = 2.0 KM; OBS: 0 0 0  
JDGMT: 0 DPHI: 24 38 63

82 8 21 16 AZ: 166 174 230 262  
R = 3.0 KM; OBS: 7 64 2 17  
JDGMT: 1 DPHI: -17 -9 48 79

82 8 21 16 AZ: 182  
R = 5.0 KM; OBS: 239  
JDGMT: 0 DPHI: -1

82 8 21 16 AZ: 164 172 174 178 182 186 191 194 199 202 206 211 214 219 227 230 233 234 238 242 246 250 254  
R = 7.0 KM; OBS: 36 187 208 23 238 157 98 59 7 9 4 0 0 0 4 1 0 0 2 0 0 0 12  
JDGMT: 3 DPHI: -19 -11 -9 -5 -1 3 8 12 16 19 24 28 31 36 44 47 50 51 55 59 64 67 71

AZ: 258 262  
OBS: 2 19  
DPHI: 76 79

82 8 21 16 AZ: 158 162 167 168 170 173 174 178 181 182 184 185 190 193 195 197 199 201 202 205 206 209 210  
R = 15.0 KM; OBS: 43 70 95 88 101 118 96 33 5 1 6 5 0 4 0 2 1 0 0 0 1 0 0  
JDGMT: 3 DPHI: -24 -21 -16 -15 -13 -10 -9 -5 -2 0 1 3 7 10 12 14 16 18 19 22 23 26 28

AZ: 212 225 226 229 230 233 234 237 238 240 248 251 252 254 256 258 261 262  
OBS: 0 0 4 2 13 124 6 4 0 0 2 11 0 10 1 0 0 0  
DPHI: 29 42 44 46 47 50 51 54 55 57 65 68 70 71 73 75 78 80

82 8 21 16 AZ: 162 164 166 169 172 175 176 179 180 184 186 188 190 192 195 197 198 200 202 204 206 208 210  
R = 20.0 KM; OBS: 53 57 62 34 52 61 10 17 16 21 0 0 0 0 0 1 0 0 2 2 0 0 2  
JDGMT: 2 DPHI: -21 -19 -16 -14 -11 -8 -6 -4 -3 1 3 5 8 9 13 14 16 17 19 22 23 25 27

AZ: 212 214 217 218 220 220 220 222 224 227 228 230 233 234 236 239 239 239 239 242 244 246 248  
OBS: 4 3 6 4 0 2 0 0 3 0 0 27 15 0 2 0 0 0 0 8 0 2 2  
DPHI: 29 31 34 35 37 37 37 39 42 44 46 47 50 52 54 56 56 56 57 59 61 63 65

AZ: 251 255 256 257 264  
OBS: 3 0 1 0 0  
DPHI: 68 72 74 75 82

82 8 21 16 AZ: 162 164 168 172 175 176 178 180 182 184 187 188 190 192 193 196 198 200 203 204 206 209 210  
R = 30.0 KM; OBS: 27 37 36 1 4 5 0 0 11 43 3 0 6 1 0 0 0 1 0 0 0 6  
JDGMT: 3 DPHI: -21 -19 -15 -11 -8 -6 -5 -3 -1 1 4 5 8 9 10 13 15 17 20 21 23 26 27

AZ: 212 214 216 219 221 222 225 226 228 230 233 233 236 238 241 242 245 246 249 250 252 254 257

|              |         |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|---------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|              | OBS:    | 0     | 0    | 4    | 0   | 0   | 0   | 8   | 0   | 0   | 7   | 0   | 3   | 4   | 4   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |     |
|              | DPHI:   | 29    | 31   | 33   | 36  | 38  | 39  | 42  | 43  | 45  | 48  | 50  | 51  | 53  | 55  | 58  | 59  | 62  | 63  | 66  | 67  | 70  | 72  | 74  |     |
|              | AZ:     | 258   | 259  | 261  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:    | 3     | 0    | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI:   | 75    | 76   | 78   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82           | 8 21 16 | AZ:   | 160  | 167  | 172 | 173 | 178 | 182 | 187 | 192 | 194 | 196 | 202 | 207 | 211 | 215 | 218 | 222 | 226 | 230 | 233 | 238 | 242 | 250 | 255 |
| R = 50.0 KM; | OBS:    | 9     | 0    | 29   | 28  | 21  | 16  | 3   | 3   | 2   | 0   | 2   | 0   | 6   | 0   | 3   | 5   | 1   | 0   | 4   | 1   | 0   | 0   | 4   |     |
| JDGMT:       | 2       | DPHI: | -22  | -16  | -11 | -10 | -4  | -1  | 4   | 9   | 11  | 13  | 19  | 24  | 28  | 32  | 35  | 39  | 43  | 47  | 50  | 55  | 59  | 67  | 72  |
|              | AZ:     | 258   | 261  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:    | 2     | 0    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI:   | 75    | 78   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82           | 8 21 17 | AZ:   | 154  | 205  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 0.5 KM;  | OBS:    | 0     | 0    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT:       | 0       | DPHI: | -29  | 22   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82           | 8 21 17 | AZ:   | 22   | 54   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 1.0 KM;  | OBS:    | 1     | 0    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT:       | 0       | DPHI: | -161 | -129 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82           | 8 21 17 | AZ:   | 207  | 221  | 246 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 2.0 KM;  | OBS:    | 0     | 0    | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT:       | 0       | DPHI: | 24   | 38   | 63  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82           | 8 21 17 | AZ:   | 166  | 174  | 230 | 262 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 3.0 KM;  | OBS:    | 0     | 37   | 0    | 3   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT:       | 0       | DPHI: | -17  | -9   | 47  | 79  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82           | 8 21 17 | AZ:   | 182  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 5.0 KM;  | OBS:    | 171   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT:       | 0       | DPHI: | -1   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82           | 8 21 17 | AZ:   | 164  | 172  | 174 | 178 | 182 | 186 | 191 | 194 | 199 | 202 | 206 | 211 | 214 | 219 | 227 | 230 | 233 | 234 | 238 | 242 | 246 | 250 | 254 |
| R = 7.0 KM;  | OBS:    | 3     | 57   | 116  | 255 | 138 | 165 | 97  | 61  | 6   | 0   | 3   | 2   | 0   | 0   | 0   | 2   | 0   | 0   | 0   | 3   | 0   | 0   | 0   |     |
| JDGMT:       | 3       | DPHI: | -19  | -11  | -9  | -5  | -1  | 3   | 8   | 11  | 16  | 19  | 23  | 28  | 31  | 36  | 44  | 47  | 50  | 51  | 55  | 59  | 63  | 67  | 71  |
|              | AZ:     | 258   | 262  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:    | 0     | 24   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI:   | 75    | 79   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82           | 8 21 17 | AZ:   | 158  | 162  | 167 | 168 | 170 | 173 | 174 | 178 | 181 | 182 | 184 | 185 | 190 | 193 | 195 | 197 | 199 | 201 | 202 | 205 | 206 | 209 | 210 |
| R = 15.0 KM; | OBS:    | 0     | 28   | 19   | 69  | 82  | 90  | 81  | 112 | 99  | 120 | 51  | 44  | 21  | 29  | 20  | 7   | 7   | 1   | 0   | 0   | 2   | 1   | 0   |     |
| JDGMT:       | 3       | DPHI: | -25  | -21  | -16 | -15 | -13 | -11 | -9  | -5  | -2  | -1  | 1   | 2   | 7   | 10  | 12  | 14  | 16  | 18  | 19  | 22  | 23  | 26  | 27  |
|              | AZ:     | 212   | 225  | 226  | 229 | 230 | 233 | 234 | 237 | 238 | 240 | 242 | 244 | 247 | 248 | 251 | 252 | 254 | 256 | 258 | 261 | 262 |     |     |     |
|              | OBS:    | 0     | 0    | 0    | 31  | 9   | 0   | 2   | 0   | 0   | 0   | 0   | 6   | 0   | 1   | 1   | 0   | 4   | 0   | 0   | 0   | 3   |     |     |     |
|              | DPHI:   | 29    | 42   | 43   | 45  | 47  | 49  | 51  | 54  | 55  | 57  | 59  | 61  | 63  | 65  | 68  | 69  | 71  | 73  | 75  | 78  | 79  |     |     |     |
| 82           | 8 21 17 | AZ:   | 162  | 164  | 166 | 169 | 172 | 175 | 176 | 179 | 180 | 184 | 186 | 188 | 190 | 192 | 195 | 197 | 198 | 200 | 202 | 204 | 206 | 208 | 210 |

```

R = 20.0 KM; OBS: 15 0 27 28 61 85 86 0 57 32 11 11 0 2 5 7 0 0 2 0 0 0 2
JDGMT: 2 DPHI: -21 -19 -17 -14 -11 -8 -7 -4 -3 1 3 5 7 9 12 14 15 17 19 21 23 25 27

      AZ: 212 214 217 218 220 220 220 222 224 227 228 230 233 234 236 239 239 239 239 242 244 246 248
      OBS: 0 0 3 0 2 2 13 5 0 11 0 3 0 0 0 0 0 0 4 0 2 29 0
      DPHI: 29 31 34 35 37 37 37 39 41 44 45 47 50 51 53 56 56 56 56 59 61 63 65

      AZ: 251 252 255 256 257 264
      OBS: 0 0 0 2 0 0
      DPHI: 68 69 72 73 74 81

82 8 21 17 AZ: 162 164 168 172 175 176 178 180 182 184 187 188 190 192 193 196 198 200 203 204 206 209 210
R = 30.0 KM; OBS: 36 46 3 30 36 27 19 13 3 4 2 0 1 0 3 7 6 5 2 0 0 5 2
JDGMT: 2 DPHI: -21 -19 -16 -11 -8 -7 -5 -3 -1 1 4 5 7 9 10 13 15 17 20 21 23 26 27

      AZ: 212 214 216 219 221 222 225 226 228 230 233 233 236 238 241 242 245 246 249 250 252 254 257
      OBS: 3 0 5 0 0 5 0 0 2 5 0 0 0 0 0 3 0 0 0 0 0 0 3
      DPHI: 29 31 33 36 38 39 42 43 45 47 50 50 53 55 58 59 62 63 65 67 69 71 74

      AZ: 258 259 261
      OBS: 3 0 3
      DPHI: 75 76 78

82 8 21 17 AZ: 160 167 172 173 178 182 187 192 194 196 202 207 211 215 218 222 226 230 233 238 242 250 255
R = 50.0 KM; OBS: 15 27 2 7 0 9 0 1 0 0 2 2 0 0 2 0 1 0 9 2 0 1 0
JDGMT: 2 DPHI: -23 -16 -11 -10 -5 -1 4 8 11 13 19 24 28 32 35 39 43 47 50 55 59 67 72

      AZ: 258 261
      OBS: 0 0
      DPHI: 75 78

82 8 21 18 AZ: 154 205
R = 0.5 KM; OBS: 0 0
JDGMT: 0 DPHI: -35 16

82 8 21 18 AZ: 22 54
R = 1.0 KM; OBS: 2 0
JDGMT: 0 DPHI: -167 -135

82 8 21 18 AZ: 207 221 246
R = 2.0 KM; OBS: 0 12 0
JDGMT: 0 DPHI: 18 32 57

82 8 21 18 AZ: 166 174 230 262
R = 3.0 KM; OBS: 0 74 0 0
JDGMT: 0 DPHI: -23 -15 41 73

82 8 21 18 AZ: 182
R = 5.0 KM; OBS: 93
JDGMT: 0 DPHI: -7

82 8 21 18 AZ: 164 172 174 178 182 186 191 194 199 202 206 211 214 219 227 230 233 234 238 242 246 250 254

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R = 7.0 KM; OBS: 0 63 88 108 159 172 117 90 26 35 0 2 0 0 2 2 0 0 0 0 4 0 0
JDGMT: 3 DPHI: -25 -17 -15 -11 -7 -3 2 5 10 13 17 21 25 29 37 41 43 45 49 53 57 61 65

    AZ: 258 262
    OBS: 0 18
    DPHI: 69 73

82 8 21 18 AZ: 158 162 167 168 170 173 174 178 181 182 184 185 190 193 195 197 199 201 202 205 206 209 210
R = 15.0 KM; OBS: 0 4 2 7 0 11 17 49 59 103 148 145 105 126 40 17 27 24 10 0 0 4 4
JDGMT: 3 DPHI: -31 -27 -23 -21 -19 -17 -16 -11 -8 -7 -5 -4 1 3 6 8 10 12 13 16 16 19 21

    AZ: 212 225 226 229 230 233 234 237 238 240 242 244 247 248 251 252 254 256 258 261 262
    OBS: 0 0 1 0 9 0 0 0 0 5 0 3 0 0 14 0 4 0 0 0 0
    DPHI: 23 36 37 39 40 43 45 48 49 51 53 55 57 59 61 63 65 67 69 72 73

82 8 21 18 AZ: 159 162 164 166 169 172 175 176 179 180 184 186 188 190 192 195 197 198 200 202 204 206 208
R = 20.0 KM; OBS: 0 7 0 9 16 2 40 81 184 69 87 51 13 17 11 10 18 10 6 6 0 0 0
JDGMT: 2 DPHI: -31 -27 -25 -23 -21 -17 -15 -13 -11 -9 -6 -3 -1 1 3 6 7 9 11 13 15 17 19

    AZ: 210 212 214 217 218 220 220 222 224 227 228 230 233 234 236 239 239 239 239 239 242 244 246
    OBS: 4 0 3 6 5 9 10 10 9 8 9 18 10 0 6 0 4 0 2 0 0 0 69
    DPHI: 21 23 25 27 29 31 31 31 33 35 38 39 41 44 45 47 49 49 49 50 52 54 57

    AZ: 248 251 252 255 256 257 264
    OBS: 43 3 0 0 0 0 0
    DPHI: 58 62 63 65 67 68 75

82 8 21 18 AZ: 162 164 168 172 175 176 178 180 182 184 187 188 190 192 193 196 198 200 203 204 206 209 210
R = 30.0 KM; OBS: 12 10 17 44 44 53 63 54 62 35 11 9 9 14 4 7 0 0 2 6 0 0 17
JDGMT: 2 DPHI: -27 -25 -22 -17 -15 -13 -11 -9 -7 -5 -2 -1 1 3 4 7 9 11 13 15 16 19 21

    AZ: 212 214 216 219 221 222 226 228 230 233 233 236 238 241 242 245 246 249 250 252 254 257 258
    OBS: 0 1 2 0 5 5 2 0 8 0 2 6 7 0 1 0 0 23 0 0 0 0 0
    DPHI: 23 25 27 29 31 33 36 39 41 44 44 47 49 52 53 55 56 59 60 63 65 68 69

    AZ: 259 261
    OBS: 0 0
    DPHI: 70 72

82 8 21 18 AZ: 160 167 172 173 178 182 187 192 194 196 202 207 211 215 218 222 226 230 233 238 242 250 255
R = 50.0 KM; OBS: 6 21 12 9 0 6 0 7 1 0 2 0 0 0 0 0 1 0 1 0 0 0 1
JDGMT: 2 DPHI: -29 -22 -17 -17 -11 -7 -2 2 5 7 13 18 22 25 29 32 37 41 44 49 53 61 66

    AZ: 258 261
    OBS: 0 13
    DPHI: 69 71

82 8 21 19 AZ: 154 205
R = 0.5 KM; OBS: 0 0
JDGMT: 0 DPHI: -37 15

82 8 21 19 AZ: 22 54

```

R = 1.0 KM; OBS: 0 0  
JDGMT: 0 DPHI: -168 -136

82 8 21 19 AZ: 207 221 246  
R = 2.0 KM; OBS: 0 4 0  
JDGMT: 0 DPHI: 17 31 56

82 8 21 19 AZ: 166 174 230 262  
R = 3.0 KM; OBS: 0 14 0 16  
JDGMT: 0 DPHI: -24 -16 40 72

82 8 21 19 AZ: 182  
R = 5.0 KM; OBS: 4  
JDGMT: 0 DPHI: -8

82 8 21 19 AZ: 172 174 178 182 186 191 194 199 202 206 211 214 219 227 230 233 234 238 242 246 250 254 258  
R = 7.0 KM; OBS: 12 3 18 10 0 0 0 3 1 0 4 0 0 3 2 7 0 0 2 0 0 0 4  
JDGMT: 2 DPHI: -18 -16 -12 -8 -4 0 4 9 12 16 20 24 28 36 40 42 44 48 52 56 60 63 68

AZ: 262  
OBS: 0  
DPHI: 72

82 8 21 19 AZ: 158 162 167 168 170 173 174 178 181 182 184 185 190 193 195 197 199 201 202 205 206 209 210  
R = 15.0 KM; OBS: 0 0 0 0 1 35 46 48 110 46 72 41 20 34 7 4 4 1 5 0 7 3 0  
JDGMT: 2 DPHI: -32 -28 -24 -22 -20 -18 -17 -12 -9 -8 -6 -5 0 2 4 7 9 10 12 14 15 18 20

AZ: 212 225 226 229 230 233 234 237 238 240 242 244 247 248 251 252 254 256 258 261 262  
OBS: 0 0 3 15 8 0 2 0 0 0 0 9 0 0 2 0 3 2 0 0 0  
DPHI: 22 35 36 38 39 42 44 46 47 50 52 54 56 58 60 62 64 66 68 70 72

82 8 21 19 AZ: 159 162 164 166 169 172 175 176 179 180 184 186 188 190 192 195 197 200 202 204 206 208 210  
R = 20.0 KM; OBS: 0 1 0 0 0 14 45 69 64 76 74 67 31 42 16 18 19 7 2 0 0 0 2  
JDGMT: 2 DPHI: -32 -28 -26 -24 -22 -18 -16 -14 -12 -10 -7 -4 -3 0 1 5 6 10 12 14 16 18 20

AZ: 212 214 217 218 220 220 220 222 224 227 228 230 233 234 236 239 239 239 239 242 244 246 248  
OBS: 0 25 25 11 11 11 9 0 0 2 1 2 0 0 0 0 0 0 1 0 1 56 0  
DPHI: 21 24 26 28 30 30 30 32 34 37 38 40 43 44 46 48 48 48 49 51 53 55 57

AZ: 251 252 255 256 257 264  
OBS: 3 0 0 3 0 0  
DPHI: 61 62 64 66 67 74

82 8 21 19 AZ: 162 164 168 172 175 176 178 180 182 184 187 188 190 192 193 196 198 200 203 204 206 209 210  
R = 30.0 KM; OBS: 0 2 0 6 15 27 37 23 60 80 82 40 53 15 12 28 20 1 3 0 4 1 6  
JDGMT: 3 DPHI: -28 -26 -23 -19 -16 -14 -12 -11 -8 -6 -3 -3 0 2 3 5 8 10 12 14 15 18 20

AZ: 212 214 216 219 221 222 225 226 228 230 233 233 236 238 241 242 245 246 249 250 252 254 257  
OBS: 4 0 2 0 0 0 8 3 0 4 0 0 5 0 5 0 0 0 0 3 0 0 1  
DPHI: 22 24 26 28 30 31 34 35 37 40 43 43 45 48 50 52 54 55 58 59 62 64 66

AZ: 258 259 261

OBS: 0 0 3  
 DPHI: 68 69 71

82 8 21 19 AZ: 160 167 172 173 178 182 187 192 194 196 202 207 211 215 218 222 226 230 233 238 242 250 255  
 R = 50.0 KM; OBS: 5 14 24 24 22 46 26 3 0 1 2 0 1 0 2 0 1 0 2 2 0 6 0  
 JDGMT: 3 DPHI: -30 -23 -18 -18 -12 -8 -3 1 4 6 12 17 21 24 27 31 35 39 43 48 52 60 65

AZ: 258 261  
 OBS: 0 0  
 DPHI: 68 70

82 8 21 20 AZ: 154 205  
 R = 0.5 KM; OBS: 0 2  
 JDGMT: 0 DPHI: -46 5

82 8 21 20 AZ: 22 54  
 R = 1.0 KM; OBS: 0 0  
 JDGMT: 0 DPHI: -178 -146

82 8 21 20 AZ: 207 221 246  
 R = 2.0 KM; OBS: 0 0 0  
 JDGMT: 0 DPHI: 7 21 46

82 8 21 20 AZ: 166 174 230 262  
 R = 3.0 KM; OBS: 5 1 0 5  
 JDGMT: 1 DPHI: -34 -26 30 62

82 8 21 20 AZ: 182  
 R = 5.0 KM; OBS: 4  
 JDGMT: 0 DPHI: -18

82 8 21 20 AZ: 164 172 174 178 182 186 191 194 199 202 206 211 214 219 227 230 233 234 238 242 246 250 254  
 R = 7.0 KM; OBS: 0 4 7 0 0 0 0 2 0 13 0 0 0 6 2 0 0 1 6 0 2 5  
 JDGMT: 2 DPHI: -36 -28 -26 -22 -18 -14 -9 -6 -1 2 6 11 14 19 27 30 32 34 38 42 46 50 54

AZ: 258 262  
 OBS: 0 19  
 DPHI: 58 62

82 8 21 20 AZ: 158 162 167 168 170 173 174 178 181 182 184 185 190 193 195 197 199 201 202 205 206 209 210  
 R = 15.0 KM; OBS: 0 5 0 0 6 14 20 17 25 0 0 3 0 11 0 2 3 1 0 6 15 3 0  
 JDGMT: 2 DPHI: -42 -38 -34 -32 -30 -28 -26 -22 -19 -18 -16 -15 -10 -7 -5 -3 -1 1 2 5 6 9 10

AZ: 212 225 226 229 230 233 234 237 238 240 242 244 247 248 251 252 254 256 258 261 262  
 OBS: 0 3 0 5 8 0 0 0 0 10 0 37 0 0 0 2 1 0 0 0  
 DPHI: 12 25 26 28 29 32 34 37 38 40 42 44 46 48 50 52 54 56 58 61 62

82 8 21 20 AZ: 162 164 166 169 172 175 176 179 180 184 186 188 190 192 195 197 198 200 202 204 206 208 210  
 R = 20.0 KM; OBS: 2 0 0 6 1 22 51 117 39 18 4 5 0 0 0 7 0 0 4 3 0 0 38  
 JDGMT: 2 DPHI: -38 -36 -34 -32 -28 -25 -24 -21 -20 -16 -14 -12 -10 -8 -5 -4 -2 0 2 4 6 8 10

AZ: 212 214 217 218 220 220 220 222 224 227 228 230 233 234 236 239 239 239 239 242 244 246 248

|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|              | OBS:  | 6    | 32  | 33  | 0   | 11  | 20  | 30  | 0   | 3   | 0   | 0   | 6   | 0   | 2   | 0   | 0   | 2   | 0   | 3   | 0   | 13  | 151 | 0   |
|              | DPHI: | 12   | 14  | 16  | 18  | 20  | 20  | 20  | 22  | 24  | 27  | 28  | 30  | 33  | 34  | 36  | 38  | 38  | 38  | 39  | 41  | 44  | 46  | 48  |
|              | AZ:   | 251  | 252 | 255 | 256 | 257 | 264 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 0    | 0   | 0   | 0   | 0   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 51   | 52  | 55  | 56  | 57  | 64  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 21 20   | AZ:   | 162  | 164 | 168 | 172 | 175 | 176 | 178 | 180 | 182 | 184 | 187 | 188 | 190 | 192 | 193 | 196 | 198 | 200 | 203 | 204 | 206 | 209 | 210 |
| R = 30.0 KM; | OBS:  | 0    | 3   | 0   | 0   | 5   | 18  | 42  | 67  | 55  | 68  | 37  | 31  | 9   | 11  | 2   | 5   | 6   | 9   | 5   | 0   | 2   | 0   | 3   |
| JDGMT: 2     | DPHI: | -38  | -36 | -33 | -28 | -25 | -24 | -22 | -20 | -18 | -16 | -13 | -12 | -10 | -8  | -7  | -4  | -2  | 0   | 3   | 4   | 6   | 8   | 10  |
|              | AZ:   | 212  | 214 | 216 | 219 | 221 | 222 | 225 | 226 | 228 | 230 | 233 | 233 | 236 | 238 | 241 | 242 | 245 | 246 | 249 | 250 | 252 | 254 | 257 |
|              | OBS:  | 0    | 1   | 5   | 3   | 1   | 7   | 4   | 7   | 1   | 3   | 13  | 3   | 0   | 0   | 3   | 0   | 0   | 2   | 0   | 0   | 0   | 0   | 0   |
|              | DPHI: | 12   | 14  | 16  | 18  | 21  | 22  | 24  | 25  | 28  | 30  | 33  | 33  | 36  | 38  | 41  | 42  | 45  | 46  | 48  | 50  | 52  | 54  | 57  |
|              | AZ:   | 258  | 259 | 261 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 3    | 0   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 58   | 59  | 61  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 21 20   | AZ:   | 160  | 167 | 172 | 173 | 178 | 182 | 187 | 192 | 194 | 196 | 202 | 211 | 215 | 218 | 222 | 226 | 230 | 233 | 238 | 242 | 250 | 255 | 258 |
| R = 50.0 KM; | OBS:  | 5    | 19  | 2   | 28  | 42  | 36  | 23  | 2   | 3   | 8   | 0   | 0   | 0   | 11  | 0   | 0   | 1   | 2   | 0   | 0   | 3   | 2   |     |
| JDGMT: 3     | DPHI: | -40  | -33 | -28 | -28 | -22 | -18 | -13 | -9  | -6  | -4  | 2   | 11  | 15  | 18  | 22  | 26  | 30  | 33  | 38  | 42  | 50  | 55  | 58  |
|              | AZ:   | 261  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 3    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 61   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 21 21   | AZ:   | 154  | 205 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 0.5 KM;  | OBS:  | 0    | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     | DPHI: | -74  | -23 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 21 21   | AZ:   | 54   | 22  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 1.0 KM;  | OBS:  | 0    | 3   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     | DPHI: | -174 | 155 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 21 21   | AZ:   | 207  | 221 | 246 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 2.0 KM;  | OBS:  | 0    | 0   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     | DPHI: | -21  | -7  | 18  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 21 21   | AZ:   | 166  | 174 | 230 | 262 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 3.0 KM;  | OBS:  | 0    | 0   | 3   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     | DPHI: | -62  | -54 | 3   | 34  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 21 21   | AZ:   | 182  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 5.0 KM;  | OBS:  | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     | DPHI: | -46  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 21 21   | AZ:   | 164  | 172 | 174 | 178 | 182 | 186 | 191 | 194 | 199 | 202 | 206 | 211 | 214 | 219 | 227 | 230 | 233 | 234 | 238 | 242 | 246 | 250 | 254 |
| R = 7.0 KM;  | OBS:  | 0    | 4   | 0   | 11  | 5   | 0   | 18  | 2   | 0   | 0   | 0   | 0   | 0   | 2   | 0   | 0   | 0   | 3   | 2   | 0   | 0   | 0   |     |
| JDGMT: 3     | DPHI: | -64  | -56 | -53 | -50 | -46 | -41 | -37 | -33 | -29 | -26 | -21 | -17 | -13 | -9  | -1  | 2   | 5   | 6   | 10  | 14  | 19  | 22  | 26  |
|              | AZ:   | 258  | 262 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |

OBS: 0 0  
DPHI: 31 35

82 8 21 21 AZ: 158 162 167 168 170 173 174 178 181 182 184 185 190 193 195 197 199 201 202 205 206 209 210  
R = 15.0 KM; OBS: 0 0 0 0 0 4 6 0 4 0 0 0 0 2 2 0 0 1 0 3 3 1 0  
JDGMT: 2 DPHI: -69 -65 -61 -59 -58 -55 -54 -50 -47 -45 -44 -42 -38 -35 -33 -31 -29 -27 -26 -23 -22 -19 -17

AZ: 212 225 226 229 230 233 234 237 238 240 242 244 247 248 251 252 254 256 258 261 262  
OBS: 0 0 0 17 7 0 5 0 0 2 2 34 0 0 10 0 0 3 0 0 2  
DPHI: -16 -3 -1 1 2 5 6 9 10 12 15 16 19 20 23 25 26 28 30 33 35

82 8 21 21 AZ: 159 162 164 166 169 172 175 176 179 180 184 186 188 190 192 195 197 198 200 202 204 206 208  
R = 20.0 KM; OBS: 0 3 0 0 0 1 30 7 5 14 11 3 0 0 0 0 0 0 0 3 20 11 8  
JDGMT: -2 DPHI: -69 -66 -64 -61 -59 -56 -53 -51 -49 -48 -44 -42 -40 -37 -36 -32 -31 -29 -27 -26 -23 -22 -20

AZ: 210 212 214 217 220 220 220 222 224 227 228 230 233 234 239 239 239 239 242 244 246 248 251  
OBS: 8 15 11 8 17 8 6 4 9 0 0 57 64 0 0 0 2 0 0 1131 0 4  
DPHI: -17 -16 -14 -11 -8 -8 -8 -6 -3 -1 1 2 5 7 11 11 11 12 14 16 18 20 23

AZ: 252 255 256 257 264  
OBS: 0 0 2 0 0  
DPHI: 24 27 29 30 37

82 8 21 21 AZ: 162 164 168 172 175 176 178 180 182 184 187 188 190 192 193 196 198 200 203 204 206 209 210  
R = 30.0 KM; OBS: 0 1 0 0 5 8 12 33 18 24 6 9 8 5 2 0 0 4 4 5 111 0 3  
JDGMT: -3 DPHI: -65 -63 -60 -56 -53 -51 -50 -48 -46 -44 -41 -40 -37 -35 -35 -32 -29 -27 -25 -24 -22 -19 -18

AZ: 212 214 216 219 221 222 225 226 228 230 233 233 236 238 241 242 245 246 249 250 252 254 257  
OBS: 3 0 5 0 0 0 0 3 0 5 0 2 1 0 0 3 0 0 0 0 2 0 3  
DPHI: -16 -13 -12 -9 -7 -6 -3 -2 0 3 5 6 8 10 13 14 17 18 21 22 25 27 29

AZ: 258 259 261  
OBS: 0 0 0  
DPHI: 31 32 33

82 8 21 21 AZ: 160 167 172 173 178 182 187 192 194 196 202 207 211 215 218 222 226 230 238 242 250 255 258  
R = 50.0 KM; OBS: 0 10 7 18 27 47 0 2 9 0 0 1 0 0 5 0 1 0 0 0 0 1 5  
JDGMT: 3 DPHI: -67 -61 -56 -55 -49 -46 -40 -36 -33 -32 -26 -21 -17 -13 -10 -6 -2 2 10 14 22 28 30

AZ: 261  
OBS: 0  
DPHI: 33

82 8 21 22 AZ: 154 205  
R = 0.5 KM; OBS: 0 0  
JDGMT: 0 DPHI: -78 -27

82 8 21 22 AZ: 54 22  
R = 1.0 KM; OBS: 0 0  
JDGMT: 0 DPHI: -178 151

82 8 21 22 AZ: 207 221 246



R = 2.0 KM; OBS: 0 13 0  
JDGMT: 0 DPHI: -25 -11 14

82 8 21 22 AZ: 166 174 230 262  
R = 3.0 KM; OBS: 4 0 3 1  
JDGMT: 1 DPHI: -65 -58 -1 31

82 8 21 22 AZ: 182  
R = 5.0 KM; OBS: 0  
JDGMT: 0 DPHI: -50

82 8 21 22 AZ: 164 172 174 178 182 186 191 194 199 202 206 211 214 219 227 230 233 234 238 242 246 250 254  
R = 7.0 KM; OBS: 2 4 0 3 0 2 3 0 0 5 0 1 0 0 6 2 0 0 0 2 3 0 0  
JDGMT: 2 DPHI: -67 -59 -57 -54 -50 -45 -41 -37 -33 -30 -25 -21 -17 -13 -5 -2 1 3 6 10 15 18 22

AZ: 258 262  
OBS: 2 9  
DPHI: 27 31

82 8 21 22 AZ: 158 162 167 168 170 173 174 178 181 182 184 185 190 193 195 197 199 201 202 205 206 209 210  
R = 15.0 KM; OBS: 0 2 0 0 0 0 6 7 0 2 0 0 0 0 0 0 3 0 2 0 2 1 0  
JDGMT: 2 DPHI: -73 -69 -65 -63 -62 -59 -58 -53 -51 -49 -48 -46 -42 -39 -37 -35 -33 -31 -30 -27 -26 -23 -21

AZ: 212 225 226 229 230 233 234 237 238 240 242 244 247 248 251 252 254 256 258 261 262  
OBS: 0 3 5 1 3 0 0 0 0 5 5 0 0 3 0 2 0 0 0 0  
DPHI: -20 -7 -5 -3 -2 1 2 5 6 8 11 12 15 16 19 21 23 24 27 29 31

82 8 21 22 AZ: 159 162 164 166 169 172 175 176 179 180 184 186 188 190 192 195 197 198 200 202 204 206 208  
R = 20.0 KM; OBS: 0 0 1 0 2 0 5 7 3 0 4 0 0 0 0 5 0 0 3 16 8 2  
JDGMT: -2 DPHI: -73 -70 -68 -65 -63 -60 -57 -55 -53 -52 -48 -46 -44 -41 -40 -36 -35 -33 -31 -29 -27 -26 -23

AZ: 210 212 214 217 218 220 220 222 224 227 228 230 233 234 236 239 239 239 239 242 244 246  
OBS: 19 23 0 16 3 10 9 8 0 24 22 8 3 0 1 0 0 0 1 6 2 1290  
DPHI: -21 -20 -18 -15 -13 -11 -11 -11 -10 -7 -5 -3 -2 1 3 5 7 7 7 8 10 12 14

AZ: 248 251 252 255 256 257 264  
OBS: 0 2 0 1 2 0 0  
DPHI: 16 20 20 23 25 26 33

82 8 21 22 AZ: 162 164 168 172 175 176 178 180 182 184 187 188 190 192 193 196 198 200 203 204 206 209 210  
R = 30.0 KM; OBS: 0 2 0 0 3 12 15 28 17 26 10 12 12 10 14 15 7 0 4 0 0 0 4  
JDGMT: 2 DPHI: -69 -67 -64 -60 -57 -55 -54 -52 -49 -47 -45 -44 -41 -39 -38 -36 -33 -31 -29 -27 -26 -23 -22

AZ: 212 214 216 219 221 222 225 226 228 230 233 233 236 238 241 242 245 246 249 250 252 254 257  
OBS: 8 7 2 0 0 3 5 3 0 2 0 0 5 0 0 0 0 0 7 0 0 9 5  
DPHI: -19 -17 -16 -13 -11 -10 -7 -6 -4 -1 1 2 4 7 9 10 13 14 17 18 21 23 25

AZ: 258 259 261  
OBS: 1 2 0  
DPHI: 27 28 29

82 8 21 22 AZ: 160 167 172 173 178 182 187 192 194 196 202 207 211 215 218 222 226 230 233 238 242 250 255

```

R = 50.0 KM; OBS:   0   7  12   9  22  14   0   5   0   2   6   0   3   0   5   0   0   0   2   0   0   0   0
JDGMT:  3  DPHI: -71 -65 -59 -59 -53 -50 -44 -40 -37 -36 -30 -25 -20 -17 -14 -10 -6 -2  2  6  10  18  24

      AZ: 258 261
      OBS:  0  2
      DPHI: 26 29

82  8 21 23  AZ: 154 205
R = 0.5 KM; OBS:  5  0
JDGMT:  0  DPHI: -71 -20

82  8 21 23  AZ:  54  22
R = 1.0 KM; OBS:  0  3
JDGMT:  0  DPHI: -171 157

82  8 21 23  AZ: 207 221 246
R = 2.0 KM; OBS:  0  2  0
JDGMT:  0  DPHI: -18  -4  21

82  8 21 23  AZ: 166 174 230 262
R = 3.0 KM; OBS:  0  13  0  12
JDGMT:  0  DPHI: -59 -51  5  37

82  8 21 23  AZ: 182
R = 5.0 KM; OBS:  0
JDGMT:  0  DPHI: -43

82  8 21 23  AZ: 164 172 174 178 182 186 191 194 199 202 206 211 214 219 227 230 233 234 238 242 246 250 254
R = 7.0 KM; OBS:  0  1  3  0  1  0  0  1  0  19  0  0  0  0  0  0  0  0  0  2  0  0  0
JDGMT:  3  DPHI: -61 -53 -51 -47 -43 -39 -34 -31 -26 -23 -19 -14 -11 -6  2  5  8  9  13  17  21  25  29

      AZ: 258 262
      OBS:  2  0
      DPHI: 33 37

82  8 21 23  AZ: 158 162 167 168 170 173 174 178 181 182 184 185 190 193 195 197 199 201 202 205 206 209 210
R = 15.0 KM; OBS:  0  4  0  0  0  0  0  6  0  0  0  0  0  3  0  2  0  6  0  0  0  1  0
JDGMT:  3  DPHI: -67 -63 -58 -57 -55 -53 -51 -47 -44 -43 -41 -40 -35 -32 -30 -28 -26 -24 -23 -20 -19 -16 -15

      AZ: 212 225 226 229 230 233 234 237 238 240 242 244 247 248 251 252 254 256 258 261 262
      OBS:  0  6  11  38 111  0  5  4  0  1  0  4  3  5  0  0  2  3  0  0  3
      DPHI: -13  0  1  4  5  7  9  12  13  15  17  19  22  23  26  27  29  31  33  36  37

82  8 21 23  AZ: 159 162 164 166 169 172 175 176 179 180 184 186 188 190 192 195 197 198 200 202 204 206 208
R = 20.0 KM; OBS:  0  2  0  3  3  1  5  6  0  24  9  2  0  3  0  0  2  1  0  0  0  7  8
JDGMT: -2  DPHI: -66 -63 -61 -59 -56 -53 -50 -49 -46 -45 -41 -39 -37 -35 -33 -30 -28 -27 -25 -23 -21 -19 -17

      AZ: 210 212 214 217 218 220 220 222 224 227 228 230 233 234 236 239 239 239 239 242 244 246
      OBS:  23  11  0  20  6  17  16  10  27  23  33  4  3  0  0  38  1  0  0  1  0  0  554
      DPHI: -15 -13 -11 -8 -7 -5 -5 -5 -3 -1  2  3  5  8  9  11  14  14  14  14  17  19  21

      AZ: 248 251 252 255 256 257 264

```

|       |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-------|----|----|----|----|----|----|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| OBS:  | 0  | 2  | 0  | 0  | 0  | 0  | 0  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DPHI: | 23 | 26 | 27 | 30 | 31 | 32 | 39 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

  

|              |      |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 82           | 8    | 21    | 23  | AZ: | 162 | 164 | 168 | 172 | 175 | 176 | 178 | 180 | 182 | 184 | 187 | 188 | 190 | 192 | 193 | 196 | 198 | 200 | 203 | 204 | 206 | 209 | 210 |
| R = 30.0 KM; | OBS: | 0     | 1   | 0   | 0   | 4   | 14  | 1   | 24  | 21  | 12  | 7   | 7   | 10  | 16  | 4   | 0   | 17  | 7   | 3   | 0   | 0   | 0   | 2   | 6   |     |     |
| JDGMT:       | 2    | DPHI: | -63 | -61 | -57 | -53 | -50 | -49 | -47 | -45 | -43 | -41 | -38 | -37 | -35 | -33 | -32 | -29 | -27 | -25 | -22 | -21 | -19 | -16 | -15 |     |     |

  

|       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| AZ:   | 212 | 214 | 216 | 219 | 221 | 222 | 225 | 226 | 228 | 230 | 233 | 233 | 236 | 238 | 241 | 242 | 245 | 246 | 249 | 250 | 252 | 254 | 257 |
| OBS:  | 4   | 0   | 2   | 0   | 0   | 2   | 0   | 4   | 0   | 1   | 0   | 0   | 29  | 0   | 0   | 1   | 0   | 0   | 5   | 0   | 0   | 0   | 0   |
| DPHI: | -13 | -11 | -9  | -6  | -4  | -3  | 0   | 1   | 3   | 5   | 8   | 8   | 11  | 13  | 16  | 17  | 20  | 21  | 24  | 25  | 27  | 29  | 32  |

  

|       |     |     |     |
|-------|-----|-----|-----|
| AZ:   | 258 | 259 | 261 |
| OBS:  | 0   | 0   | 0   |
| DPHI: | 33  | 34  | 36  |

  

|              |      |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 82           | 8    | 21    | 23  | AZ: | 160 | 167 | 172 | 173 | 178 | 182 | 187 | 192 | 194 | 196 | 202 | 207 | 211 | 215 | 218 | 222 | 226 | 230 | 233 | 238 | 242 | 250 | 255 |
| R = 50.0 KM; | OBS: | 0     | 0   | 1   | 6   | 15  | 19  | 5   | 4   | 7   | 0   | 0   | 1   | 2   | 0   | 5   | 0   | 0   | 5   | 0   | 0   | 1   | 2   | 0   | 2   | 1   |     |
| JDGMT:       | 3    | DPHI: | -65 | -58 | -53 | -52 | -47 | -43 | -38 | -34 | -31 | -29 | -23 | -18 | -14 | -10 | -7  | -3  | 1   | 5   | 8   | 13  | 17  | 25  | 30  |     |     |

  

|       |     |     |
|-------|-----|-----|
| AZ:   | 258 | 261 |
| OBS:  | 0   | 0   |
| DPHI: | 33  | 36  |

  

|             |      |       |     |     |     |     |
|-------------|------|-------|-----|-----|-----|-----|
| 82          | 8    | 21    | 24  | AZ: | 154 | 205 |
| R = 0.5 KM; | OBS: | 9     | 0   |     |     |     |
| JDGMT:      | 0    | DPHI: | -68 | -17 |     |     |

  

|             |      |       |      |     |    |    |
|-------------|------|-------|------|-----|----|----|
| 82          | 8    | 21    | 24   | AZ: | 54 | 22 |
| R = 1.0 KM; | OBS: | 0     | 3    |     |    |    |
| JDGMT:      | 0    | DPHI: | -168 | 160 |    |    |

  

|             |      |       |     |     |     |     |     |
|-------------|------|-------|-----|-----|-----|-----|-----|
| 82          | 8    | 21    | 24  | AZ: | 207 | 221 | 246 |
| R = 2.0 KM; | OBS: | 0     | 0   | 18  |     |     |     |
| JDGMT:      | 0    | DPHI: | -15 | -1  | 24  |     |     |

  

|             |      |       |     |     |     |     |     |     |
|-------------|------|-------|-----|-----|-----|-----|-----|-----|
| 82          | 8    | 21    | 24  | AZ: | 166 | 174 | 230 | 262 |
| R = 3.0 KM; | OBS: | 0     | 6   | 0   | 3   |     |     |     |
| JDGMT:      | 0    | DPHI: | -56 | -48 | 9   | 40  |     |     |

  

|             |      |       |     |     |     |
|-------------|------|-------|-----|-----|-----|
| 82          | 8    | 21    | 24  | AZ: | 182 |
| R = 5.0 KM; | OBS: | 0     |     |     |     |
| JDGMT:      | 0    | DPHI: | -40 |     |     |

  

|             |      |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------------|------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 82          | 8    | 21    | 24  | AZ: | 164 | 172 | 178 | 182 | 186 | 191 | 194 | 199 | 202 | 206 | 211 | 214 | 219 | 227 | 230 | 233 | 234 | 238 | 242 | 246 | 250 | 254 | 258 |
| R = 7.0 KM; | OBS: | 0     | 0   | 0   | 4   | 0   | 0   | 7   | 0   | 4   | 0   | 1   | 0   | 0   | 0   | 1   | 0   | 0   | 4   | 0   | 4   | 0   | 4   | 0   | 0   | 1   |     |
| JDGMT:      | 2    | DPHI: | -58 | -50 | -44 | -40 | -36 | -31 | -27 | -23 | -20 | -15 | -11 | -8  | -3  | 5   | 8   | 11  | 12  | 16  | 20  | 24  | 28  | 32  | 37  |     |     |

  

|       |     |
|-------|-----|
| AZ:   | 262 |
| OBS:  | 2   |
| DPHI: | 40  |

  

|    |   |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|----|---|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 82 | 8 | 21 | 24 | AZ: | 158 | 162 | 167 | 168 | 170 | 173 | 174 | 178 | 181 | 182 | 184 | 185 | 190 | 193 | 195 | 197 | 199 | 201 | 202 | 205 | 206 | 209 | 210 |
|----|---|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

|              |       |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| R = 15.0 KM; | OBS:  | 1     | 0    | 0   | 0   | 0   | 0   | 4   | 2   | 0   | 9   | 7   | 0   | 0   | 1   | 0   | 6   | 0   | 4   | 0   | 0   | 4   | 3   | 0   |     |
| JDGMT:       | 2     | DPHI: | -64  | -60 | -55 | -54 | -52 | -49 | -48 | -44 | -41 | -39 | -38 | -36 | -32 | -29 | -27 | -25 | -23 | -21 | -20 | -17 | -16 | -13 | -12 |
|              | AZ:   | 212   | 225  | 226 | 229 | 230 | 233 | 234 | 237 | 238 | 240 | 242 | 244 | 247 | 248 | 251 | 252 | 254 | 256 | 258 | 261 | 262 |     |     |     |
|              | OBS:  | 0     | 0    | 42  | 65  | 36  | 3   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |     |
|              | DPHI: | -10   | 3    | 5   | 7   | 8   | 11  | 12  | 15  | 16  | 18  | 20  | 22  | 25  | 26  | 29  | 31  | 32  | 34  | 36  | 39  | 41  |     |     |     |
| 82 8 21 24   | AZ:   | 159   | 162  | 164 | 166 | 169 | 172 | 175 | 176 | 179 | 180 | 184 | 186 | 188 | 190 | 192 | 195 | 197 | 198 | 200 | 202 | 204 | 206 | 208 |     |
| R = 20.0 KM; | OBS:  | 0     | 0    | 4   | 2   | 3   | 0   | 0   | 3   | 1   | 1   | 6   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 3   | 5   | 0   | 14  |     |
| JDGMT:       | 2     | DPHI: | -63  | -60 | -58 | -56 | -53 | -50 | -47 | -46 | -43 | -42 | -38 | -36 | -34 | -31 | -30 | -27 | -25 | -23 | -22 | -20 | -17 | -16 | -14 |
|              | AZ:   | 210   | 212  | 214 | 217 | 218 | 220 | 220 | 220 | 222 | 224 | 227 | 228 | 230 | 233 | 234 | 236 | 239 | 239 | 239 | 239 | 242 | 244 | 246 |     |
|              | OBS:  | 5     | 17   | 6   | 18  | 5   | 38  | 30  | 32  | 17  | 17  | 88  | 21  | 29  | 0   | 0   | 4   | 0   | 0   | 0   | 2   | 6   | 0   | 353 |     |
|              | DPHI: | -12   | -10  | -8  | -5  | -4  | -2  | -2  | -2  | 0   | 3   | 5   | 7   | 8   | 11  | 13  | 14  | 17  | 17  | 17  | 18  | 20  | 22  | 24  |     |
|              | AZ:   | 248   | 251  | 252 | 255 | 256 | 257 | 264 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 0     | 3    | 0   | 0   | 2   | 0   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 26    | 29   | 30  | 33  | 35  | 36  | 43  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 21 24   | AZ:   | 162   | 164  | 168 | 172 | 175 | 176 | 178 | 180 | 182 | 184 | 187 | 188 | 190 | 192 | 193 | 196 | 198 | 200 | 203 | 204 | 206 | 209 | 210 |     |
| R = 30.0 KM; | OBS:  | 0     | 2    | 0   | 0   | 7   | 11  | 25  | 19  | 22  | 27  | 3   | 0   | 5   | 3   | 0   | 9   | 0   | 3   | 0   | 0   | 6   | 3   | 0   |     |
| JDGMT:       | 3     | DPHI: | -60  | -58 | -54 | -50 | -47 | -46 | -44 | -42 | -40 | -38 | -35 | -34 | -31 | -30 | -29 | -26 | -24 | -22 | -19 | -18 | -16 | -13 | -12 |
|              | AZ:   | 212   | 214  | 216 | 219 | 221 | 222 | 225 | 226 | 228 | 230 | 233 | 233 | 236 | 238 | 241 | 242 | 245 | 246 | 249 | 250 | 252 | 254 | 257 |     |
|              | OBS:  | 3     | 0    | 0   | 4   | 5   | 0   | 5   | 3   | 0   | 0   | 0   | 1   | 6   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |     |
|              | DPHI: | -10   | -8   | -6  | -3  | -1  | 0   | 3   | 4   | 6   | 9   | 11  | 12  | 14  | 16  | 19  | 20  | 23  | 24  | 27  | 28  | 31  | 33  | 35  |     |
|              | AZ:   | 258   | 259  | 261 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 2     | 0    | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 36    | 37   | 39  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 21 24   | AZ:   | 160   | 167  | 172 | 173 | 178 | 182 | 187 | 192 | 194 | 196 | 202 | 207 | 211 | 215 | 218 | 222 | 226 | 230 | 233 | 238 | 242 | 250 | 255 |     |
| R = 50.0 KM; | OBS:  | 10    | 0    | 0   | 5   | 11  | 10  | 0   | 5   | 5   | 4   | 2   | 1   | 0   | 0   | 4   | 0   | 4   | 0   | 0   | 1   | 0   | 0   | 1   |     |
| JDGMT:       | 2     | DPHI: | -61  | -55 | -50 | -49 | -43 | -40 | -35 | -30 | -28 | -26 | -20 | -15 | -11 | -7  | -4  | 0   | 4   | 8   | 11  | 16  | 20  | 28  | 33  |
|              | AZ:   | 258   | 261  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 0     | 2    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 36    | 39   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 23 11   | AZ:   | 335   | 342  | 350 | 1   | 8   | 16  | 23  | 23  | 30  | 42  | 47  | 54  | 54  | 62  | 71  | 78  | 87  | 94  | 101 | 110 | 118 | 125 |     |     |
| R = 0.5 KM;  | OBS:  | 43    | 22   | 33  | 0   | 53  | 49  | 46  | 42  | 46  | 45  | 47  | 50  | 53  | 25  | 44  | 76  | 45  | 57  | 42  | 42  | 40  | 59  |     |     |
| JDGMT:       | 3     | DPHI: | -73  | -65 | -58 | -47 | -40 | -31 | -25 | -25 | -18 | -6  | -1  | 6   | 6   | 14  | 23  | 30  | 39  | 46  | 53  | 62  | 70  | 77  |     |
| 82 8 23 11   | AZ:   | 245   | 332  | 342 | 350 | 358 | 6   | 14  | 22  | 30  | 38  | 46  | 54  | 60  | 67  | 78  | 86  | 94  | 102 | 109 | 118 | 126 | 213 |     |     |
| R = 1.0 KM;  | OBS:  | 50    | 33   | 53  | 45  | 33  | 0   | 46  | 44  | 37  | 46  | 45  | 44  | 40  | 43  | 41  | 40  | 31  | 54  | 46  | 36  | 44  | 48  |     |     |
| JDGMT:       | 2     | DPHI: | -163 | -75 | -66 | -58 | -50 | -42 | -34 | -26 | -18 | -10 | -2  | 6   | 12  | 19  | 30  | 38  | 46  | 54  | 61  | 70  | 78  | 165 |     |
| 82 8 23 11   | AZ:   | 333   | 343  | 349 | 358 | 6   | 10  | 33  | 38  | 46  | 49  | 58  | 66  | 70  | 94  | 97  | 106 | 117 | 122 |     |     |     |     |     |     |
| R = 2.0 KM;  | OBS:  | 23    | 36   | 31  | 33  | 33  | 33  | 44  | 58  | 44  | 73  | 62  | 24  | 34  | 37  | 43  | 40  | 47  | 47  |     |     |     |     |     |     |
| JDGMT:       | 3     | DPHI: | -75  | -65 | -59 | -50 | -42 | -38 | -14 | -9  | -2  | 1   | 10  | 18  | 22  | 46  | 49  | 58  | 70  | 74  |     |     |     |     |     |
| 82 8 23 11   | AZ:   | 335   | 341  | 351 | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 61  | 70  | 78  | 87  |     |

|              |       |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |
|--------------|-------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| R = 3.0 KM;  | OBS:  | 5     | 9    | 6   | 9   | 18  | 25  | 7   | 28  | 62  | 89  | 66  | 30  | 40  | 29  | 25  | 32  | 27  | 34  | 36  | 35  | 34  | 37  | 40  |   |
| JDGMT:       | 3     | DPHI: | -73  | -67 | -57 | -51 | -43 | -34 | -25 | -18 | -6  | -1  | 6   | 11  | 11  | 11  | 11  | 11  | 11  | 11  | 13  | 22  | 31  | 39  |   |
|              | AZ:   | 94    | 102  | 110 | 118 | 126 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |
|              | OBS:  | 33    | 36   | 39  | 24  | 22  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |
|              | DPHI: | 46    | 54   | 62  | 70  | 78  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |
| 82 8 23 11   | AZ:   | 230   | 329  | 334 | 342 | 351 | 353 | 10  | 14  | 18  | 22  | 26  | 30  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 39  | 39  | 40  |   |
| R = 5.0 KM;  | OBS:  | 52    | 3    | 3   | 11  | 0   | 6   | 5   | 8   | 11  | 0   | 12  | 18  | 14  | 22  | 21  | 22  | 31  | 38  | 38  | 43  | 59  | 53  | 46  |   |
| JDGMT:       | 3     | DPHI: | -178 | -79 | -74 | -66 | -57 | -55 | -38 | -34 | -30 | -26 | -21 | -18 | -16 | -15 | -14 | -13 | -12 | -11 | -10 | -9  | -9  | -8  |   |
|              | AZ:   | 41    | 42   | 43  | 44  | 45  | 46  | 47  | 48  | 49  | 51  | 52  | 53  | 54  | 56  | 56  | 56  | 57  | 58  | 59  | 60  | 61  | 62  | 63  |   |
|              | OBS:  | 80    | 89   | 4   | 75  | 116 | 98  | 87  | 57  | 103 | 65  | 43  | 52  | 31  | 31  | 33  | 47  | 23  | 36  | 24  | 21  | 24  | 19  | 35  |   |
|              | DPHI: | -7    | -6   | -5  | -4  | -3  | -2  | -1  | 0   | 1   | 3   | 4   | 5   | 7   | 8   | 8   | 8   | 9   | 10  | 12  | 13  | 13  | 14  | 15  |   |
|              | AZ:   | 64    | 65   | 66  | 67  | 68  | 69  | 70  | 71  | 72  | 73  | 74  | 78  | 82  | 90  | 99  | 106 | 114 | 122 |     |     |     |     |     |   |
|              | OBS:  | 28    | 23   | 23  | 27  | 23  | 21  | 22  | 29  | 28  | 7   | 22  | 20  | 27  | 17  | 11  | 12  | 11  | 17  |     |     |     |     |     |   |
|              | DPHI: | 16    | 17   | 19  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 30  | 34  | 42  | 51  | 58  | 66  | 74  |     |     |     |     |     |   |
| 82 8 23 11   | AZ:   | 233   | 331  | 339 | 346 | 352 | 360 | 9   | 16  | 24  | 27  | 33  | 36  | 41  | 41  | 43  | 44  | 45  | 46  | 47  | 48  | 49  | 50  | 51  |   |
| R = 10.0 KM; | OBS:  | 65    | 2    | 0   | 5   | 3   | 0   | 0   | 5   | 5   | 12  | 11  | 13  | 1   | 58  | 161 | 256 | 299 | 298 | 179 | 201 | 80  | 40  | 39  |   |
| JDGMT:       | 3     | DPHI: | -175 | -77 | -69 | -62 | -56 | -48 | -39 | -31 | -24 | -20 | -15 | -12 | -7  | -6  | -5  | -4  | -3  | -2  | -1  | 0   | 1   | 2   | 3 |
|              | AZ:   | 51    | 53   | 53  | 55  | 57  | 58  | 58  | 59  | 60  | 60  | 63  | 68  | 73  | 77  | 80  | 84  | 92  | 99  | 108 | 115 | 124 |     |     |   |
|              | OBS:  | 26    | 11   | 13  | 13  | 43  | 12  | 16  | 18  | 20  | 13  | 15  | 20  | 13  | 4   | 8   | 6   | 1   | 0   | 2   | 2   | 2   |     |     |   |
|              | DPHI: | 4     | 5    | 5   | 7   | 9   | 10  | 10  | 11  | 12  | 12  | 15  | 20  | 25  | 29  | 33  | 37  | 44  | 51  | 60  | 67  | 76  |     |     |   |
| 82 8 23 11   | AZ:   | 233   | 33   | 49  | 65  | 80  | 96  | 112 | 128 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |
| R = 15.0 KM; | OBS:  | 57    | 9    | 50  | 1   | 1   | 7   | 0   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |
| JDGMT:       | 2     | DPHI: | -175 | -15 | 1   | 17  | 32  | 48  | 65  | 81  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |
| 82 8 23 12   | AZ:   | 335   | 342  | 350 | 1   | 8   | 16  | 23  | 23  | 30  | 42  | 47  | 54  | 54  | 62  | 71  | 78  | 87  | 94  | 101 | 110 | 118 | 125 |     |   |
| R = 0.5 KM;  | OBS:  | 12    | 0    | 17  | 5   | 12  | 0   | 13  | 14  | 8   | 12  | 11  | 13  | 12  | 15  | 16  | 11  | 10  | 17  | 11  | 8   | 9   | 14  |     |   |
| JDGMT:       | 2     | DPHI: | -68  | -60 | -53 | -42 | -35 | -26 | -20 | -20 | -12 | -1  | 4   | 11  | 12  | 19  | 29  | 36  | 45  | 51  | 58  | 67  | 75  | 82  |   |
| 82 8 23 12   | AZ:   | 245   | 332  | 342 | 350 | 358 | 6   | 14  | 22  | 30  | 38  | 46  | 54  | 60  | 67  | 78  | 86  | 94  | 102 | 109 | 118 | 126 | 213 |     |   |
| R = 1.0 KM;  | OBS:  | 18    | 22   | 15  | 14  | 15  | 14  | 24  | 13  | 15  | 24  | 13  | 14  | 13  | 6   | 12  | 13  | 8   | 6   | 13  | 6   | 6   | 12  |     |   |
| JDGMT:       | 3     | DPHI: | -157 | -70 | -61 | -53 | -45 | -36 | -28 | -20 | -12 | -4  | 3   | 11  | 17  | 24  | 35  | 43  | 51  | 59  | 66  | 75  | 83  | 170 |   |
| 82 8 23 12   | AZ:   | 333   | 343  | 349 | 358 | 6   | 10  | 33  | 38  | 46  | 49  | 58  | 66  | 70  | 94  | 97  | 106 | 117 | 122 |     |     |     |     |     |   |
| R = 2.0 KM;  | OBS:  | 15    | 21   | 18  | 21  | 21  | 22  | 18  | 17  | 9   | 12  | 33  | 18  | 9   | 18  | 15  | 20  | 12  | 13  |     |     |     |     |     |   |
| JDGMT:       | 3     | DPHI: | -69  | -60 | -53 | -45 | -37 | -33 | -9  | -4  | 3   | 6   | 16  | 23  | 28  | 52  | 54  | 63  | 75  | 79  |     |     |     |     |   |
| 82 8 23 12   | AZ:   | 335   | 341  | 351 | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 61  | 70  | 78  | 87  | 94  |   |
| R = 3.0 KM;  | OBS:  | 6     | 21   | 6   | 7   | 6   | 24  | 6   | 26  | 23  | 30  | 9   | 21  | 12  | 18  | 11  | 14  | 22  | 13  | 9   | 20  | 16  | 19  | 32  |   |
| JDGMT:       | 2     | DPHI: | -68  | -62 | -52 | -46 | -38 | -28 | -20 | -13 | 0   | 4   | 12  | 16  | 16  | 16  | 16  | 16  | 17  | 18  | 28  | 36  | 44  | 52  |   |
|              | AZ:   | 102   | 110  | 118 | 126 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |
|              | OBS:  | 23    | 14   | 21  | 12  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |
|              | DPHI: | 60    | 68   | 75  | 84  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |
| 82 8 23 12   | AZ:   | 230   | 329  | 334 | 342 | 351 | 353 | 10  | 14  | 18  | 22  | 26  | 30  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 39  | 39  | 40  |   |

|              |       |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|--------------|-------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| R = 5.0 KM;  | OBS:  | 11    | 0    | 2   | 7   | 1   | 22  | 0   | 13  | 18  | 19  | 14  | 30  | 32  | 56  | 69  | 81  | 98  | 99  | 115 | 123 | 111 | 100 | 110 |    |
| JDGMT:       | 3     | DPHI: | -173 | -74 | -69 | -61 | -52 | -50 | -33 | -29 | -25 | -21 | -16 | -13 | -11 | -9  | -8  | -7  | -6  | -5  | -5  | -4  | -4  | -4  | -2 |
|              | AZ:   | 41    | 42   | 43  | 44  | 45  | 46  | 47  | 48  | 49  | 50  | 51  | 52  | 53  | 54  | 56  | 56  | 56  | 56  | 58  | 59  | 60  | 61  | 62  | 63 |
|              | OBS:  | 3     | 99   | 80  | 79  | 18  | 35  | 41  | 49  | 41  | 29  | 18  | 19  | 14  | 19  | 12  | 30  | 13  | 54  | 15  | 16  | 33  | 20  | 19  |    |
|              | DPHI: | -1    | 0    | 1   | 1   | 3   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 12  | 14  | 14  | 14  | 16  | 17  | 18  | 18  | 20  | 21  |    |
|              | AZ:   | 64    | 65   | 66  | 67  | 68  | 69  | 70  | 71  | 72  | 73  | 74  | 78  | 82  | 90  | 99  | 106 | 114 | 122 |     |     |     |     |     |    |
|              | OBS:  | 19    | 28   | 17  | 27  | 21  | 20  | 24  | 15  | 24  | 24  | 21  | 27  | 24  | 30  | 5   | 3   | 0   | 1   |     |     |     |     |     |    |
|              | DPHI: | 22    | 23   | 24  | 25  | 26  | 27  | 28  | 29  | 30  | 31  | 32  | 36  | 40  | 48  | 56  | 64  | 71  | 79  |     |     |     |     |     |    |
| 82 8 23 12   | AZ:   | 233   | 331  | 339 | 346 | 352 | 360 | 9   | 16  | 24  | 27  | 33  | 36  | 41  | 41  | 43  | 44  | 45  | 46  | 47  | 48  | 49  | 50  | 51  |    |
| R = 10.0 KM; | OBS:  | 50    | 9    | 0   | 6   | 8   | 8   | 0   | 6   | 13  | 22  | 58  | 251 | 348 | 291 | 282 | 225 | 158 | 180 | 179 | 174 | 98  | 50  | 46  |    |
| JDGMT:       | 3     | DPHI: | -170 | -72 | -63 | -56 | -51 | -43 | -34 | -26 | -18 | -15 | -10 | -6  | -2  | -1  | 0   | 1   | 3   | 3   | 4   | 5   | 6   | 8   | 8  |
|              | AZ:   | 51    | 53   | 53  | 55  | 57  | 58  | 58  | 59  | 60  | 60  | 63  | 68  | 73  | 77  | 80  | 84  | 92  | 99  | 108 | 115 | 124 |     |     |    |
|              | OBS:  | 38    | 26   | 24  | 19  | 30  | 17  | 24  | 24  | 15  | 8   | 29  | 21  | 10  | 6   | 0   | 5   | 0   | 10  | 0   | 3   | 3   |     |     |    |
|              | DPHI: | 9     | 10   | 11  | 12  | 14  | 15  | 15  | 16  | 17  | 18  | 20  | 26  | 30  | 34  | 38  | 42  | 49  | 56  | 66  | 73  | 82  |     |     |    |
| 82 8 23 12   | AZ:   | 233   | 358  | 16  | 33  | 49  | 65  | 80  | 96  | 112 | 128 |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| R = 15.0 KM; | OBS:  | 59    | 0    | 0   | 38  | 58  | 8   | 3   | 5   | 0   | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| JDGMT:       | 2     | DPHI: | -170 | -44 | -27 | -9  | 6   | 22  | 37  | 53  | 70  | 86  |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 82 8 23 13   | AZ:   | 335   | 342  | 350 | 1   | 8   | 16  | 23  | 23  | 30  | 42  | 47  | 54  | 54  | 62  | 71  | 87  | 94  | 101 | 110 | 118 | 125 |     |     |    |
| R = 0.5 KM;  | OBS:  | 0     | 1    | 4   | 38  | 7   | 4   | 0   | 5   | 4   | 5   | 4   | 13  | 7   | 0   | 0   | 0   | 6   | 11  | 5   | 5   |     |     |     |    |
| JDGMT:       | 2     | DPHI: | -62  | -54 | -47 | -36 | -29 | -21 | -14 | -14 | -7  | 5   | 10  | 17  | 17  | 25  | 34  | 50  | 57  | 64  | 73  | 81  | 88  |     |    |
| 82 8 23 13   | AZ:   | 245   | 332  | 342 | 350 | 358 | 6   | 14  | 22  | 30  | 38  | 46  | 54  | 60  | 67  | 78  | 86  | 94  | 102 | 109 | 118 | 126 |     |     |    |
| R = 1.0 KM;  | OBS:  | 0     | 7    | 6   | 4   | 0   | 4   | 6   | 4   | 0   | 0   | 3   | 0   | 2   | 0   | 0   | 0   | 7   | 60  | 3   | 6   | 0   |     |     |    |
| JDGMT:       | -2    | DPHI: | -152 | -65 | -55 | -47 | -39 | -31 | -23 | -15 | -7  | 1   | 9   | 17  | 23  | 30  | 41  | 49  | 57  | 65  | 72  | 81  | 89  |     |    |
| 82 8 23 13   | AZ:   | 333   | 343  | 349 | 358 | 6   | 10  | 33  | 38  | 46  | 49  | 58  | 66  | 70  | 94  | 97  | 106 | 117 | 122 |     |     |     |     |     |    |
| R = 2.0 KM;  | OBS:  | 7     | 4    | 5   | 4   | 4   | 0   | 21  | 9   | 14  | 2   | 3   | 0   | 0   | 3   | 0   | 0   | 0   | 11  |     |     |     |     |     |    |
| JDGMT:       | 3     | DPHI: | -64  | -54 | -48 | -39 | -31 | -27 | -3  | 1   | 9   | 12  | 21  | 29  | 33  | 57  | 60  | 69  | 81  | 85  |     |     |     |     |    |
| 82 8 23 13   | AZ:   | 335   | 341  | 351 | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 61  | 70  | 78  | 87  |    |
| R = 3.0 KM;  | OBS:  | 12    | 2    | 0   | 7   | 5   | 3   | 11  | 264 | 36  | 33  | 4   | 4   | 3   | 4   | 0   | 0   | 6   | 5   | 15  | 0   | 12  | 3   | 2   |    |
| JDGMT:       | -3    | DPHI: | -62  | -56 | -46 | -40 | -32 | -23 | -14 | -7  | 5   | 9   | 17  | 22  | 22  | 22  | 22  | 22  | 22  | 22  | 24  | 33  | 41  | 50  |    |
|              | AZ:   | 94    | 102  | 110 | 118 | 126 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|              | OBS:  | 22    | 8    | 2   | 11  | 4   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|              | DPHI: | 57    | 65   | 73  | 81  | 89  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 82 8 23 13   | AZ:   | 230   | 329  | 334 | 342 | 351 | 353 | 10  | 14  | 18  | 22  | 26  | 30  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 39  | 39  | 40  |    |
| R = 5.0 KM;  | OBS:  | 0     | 5    | 0   | 20  | 10  | 6   | 11  | 8   | 6   | 12  | 57  | 199 | 300 | 252 | 6   | 203 | 181 | 204 | 228 | 153 | 142 | 152 | 113 |    |
| JDGMT:       | 2     | DPHI: | -167 | -68 | -63 | -55 | -46 | -44 | -27 | -23 | -19 | -15 | -11 | -7  | -5  | -4  | -3  | -2  | -1  | 0   | 1   | 2   | 2   | 3   |    |
|              | AZ:   | 42    | 43   | 44  | 45  | 46  | 47  | 48  | 49  | 50  | 51  | 52  | 53  | 54  | 55  | 56  | 56  | 56  | 57  | 58  | 59  | 60  | 61  | 62  |    |
|              | OBS:  | 91    | 91   | 33  | 53  | 26  | 16  | 9   | 0   | 0   | 3   | 0   | 0   | 0   | 2   | 0   | 2   | 19  | 5   | 9   | 2   | 0   | 6   | 2   |    |
|              | DPHI: | 5     | 6    | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 19  | 19  | 20  | 21  | 22  | 23  | 24  | 25  |    |
|              | AZ:   | 63    | 64   | 65  | 66  | 67  | 68  | 69  | 70  | 71  | 72  | 73  | 74  | 78  | 82  | 90  | 99  | 106 | 114 | 122 |     |     |     |     |    |

|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|              | OBS:  | 0    | 4   | 0   | 2   | 0   | 0   | 5   | 6   | 0   | 5   | 3   | 2   | 0   | 0   | 0   | 5   | 2   | 0   | 3   |     |     |     |     |
|              | DPHI: | 26   | 27  | 28  | 29  | 30  | 31  | 32  | 33  | 34  | 35  | 36  | 37  | 41  | 45  | 53  | 62  | 69  | 77  | 85  |     |     |     |     |
| 82 8 23 13   | AZ:   | 233  | 331 | 339 | 346 | 352 | 360 | 9   | 16  | 24  | 27  | 33  | 36  | 41  | 41  | 43  | 44  | 45  | 46  | 47  | 48  | 49  | 50  | 51  |
| R = 10.0 KM; | OBS:  | 0    | 1   | 2   | 3   | 0   | 0   | 6   | 7   | 19  | 65  | 231 | 384 | 177 | 204 | 151 | 111 | 41  | 31  | 29  | 11  | 0   | 3   | 5   |
| JDGMT: 3     | DPHI: | -164 | -66 | -58 | -51 | -45 | -37 | -28 | -21 | -13 | -10 | -4  | -1  | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  |
|              | AZ:   | 51   | 53  | 53  | 55  | 57  | 58  | 58  | 59  | 60  | 60  | 63  | 68  | 73  | 77  | 80  | 84  | 92  | 99  | 108 | 115 | 124 |     |     |
|              | OBS:  | 18   | 2   | 6   | 4   | 29  | 5   | 8   | 30  | 2   | 0   | 0   | 1   | 21  | 0   | 2   | 5   | 0   | 3   | 0   | 0   |     |     |     |
|              | DPHI: | 14   | 16  | 16  | 18  | 20  | 21  | 21  | 22  | 23  | 23  | 26  | 31  | 36  | 40  | 43  | 47  | 55  | 62  | 71  | 78  | 87  |     |     |
| 82 8 23 13   | AZ:   | 233  | 328 | 344 | 358 | 16  | 33  | 49  | 65  | 80  | 96  | 112 | 128 |     |     |     |     |     |     |     |     |     |     |     |
| R = 15.0 KM; | OBS:  | 55   | 5   | 0   | 6   | 7   | 156 | 6   | 0   | 1   | 5   | 1   | 4   |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 3     | DPHI: | -164 | -69 | -53 | -39 | -21 | -4  | 12  | 28  | 43  | 59  | 76  | 91  |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 23 14   | AZ:   | 335  | 342 | 350 | 1   | 8   | 16  | 23  | 23  | 30  | 42  | 47  | 54  | 54  | 62  | 71  | 78  | 87  | 94  | 101 | 110 | 118 | 125 |     |
| R = 0.5 KM;  | OBS:  | 0    | 0   | 1   | 2   | 10  | 4   | 3   | 3   | 1   | 0   | 0   | 4   | 0   | 5   | 0   | 2   | 1   | 0   | 3   | 0   | 0   | 1   |     |
| JDGMT: 2     | DPHI: | -65  | -57 | -50 | -39 | -32 | -23 | -17 | -17 | -10 | 2   | 7   | 14  | 14  | 22  | 31  | 38  | 47  | 54  | 61  | 70  | 78  | 85  |     |
| 82 8 23 14   | AZ:   | 245  | 332 | 342 | 350 | 358 | 6   | 14  | 22  | 30  | 38  | 46  | 54  | 67  | 78  | 86  | 94  | 102 | 109 | 118 | 126 | 213 |     |     |
| R = 1.0 KM;  | OBS:  | 2    | 3   | 2   | 5   | 2   | 0   | 4   | 0   | 0   | 5   | 0   | 1   | 0   | 2   | 0   | 12  | 0   | 12  | 0   | 0   |     |     |     |
| JDGMT: 2     | DPHI: | -155 | -67 | -58 | -50 | -42 | -34 | -26 | -18 | -10 | -2  | 6   | 14  | 27  | 38  | 46  | 54  | 62  | 69  | 78  | 86  | 173 |     |     |
| 82 8 23 14   | AZ:   | 333  | 343 | 349 | 358 | 6   | 10  | 33  | 38  | 46  | 49  | 58  | 66  | 70  | 94  | 97  | 106 | 117 | 122 |     |     |     |     |     |
| R = 2.0 KM;  | OBS:  | 4    | 0   | 0   | 3   | 0   | 0   | 14  | 19  | 30  | 12  | 0   | 0   | 0   | 3   | 0   | 3   | 3   |     |     |     |     |     |     |
| JDGMT: 3     | DPHI: | -67  | -57 | -51 | -42 | -34 | -30 | -6  | -1  | 6   | 9   | 18  | 26  | 30  | 54  | 57  | 66  | 78  | 82  |     |     |     |     |     |
| 82 8 23 14   | AZ:   | 335  | 341 | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 61  | 70  | 78  | 87  | 94  |
| R = 3.0 KM;  | OBS:  | 5    | 6   | 5   | 7   | 6   | 13  | 62  | 37  | 45  | 7   | 13  | 4   | 0   | 0   | 5   | 6   | 11  | 10  | 8   | 0   | 2   | 3   | 2   |
| JDGMT: 3     | DPHI: | -65  | -59 | -43 | -35 | -26 | -17 | -10 | 2   | 7   | 14  | 19  | 19  | 19  | 19  | 19  | 19  | 19  | 19  | 21  | 30  | 39  | 47  | 54  |
|              | AZ:   | 102  | 110 | 118 | 126 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 5    | 0   | 5   | 7   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 62   | 70  | 78  | 86  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 23 14   | AZ:   | 230  | 329 | 334 | 342 | 351 | 353 | 10  | 14  | 18  | 22  | 26  | 30  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 39  | 39  | 40  |
| R = 5.0 KM;  | OBS:  | 7    | 3   | 6   | 4   | 1   | 20  | 0   | 0   | 0   | 9   | 23  | 35  | 89  | 123 | 169 | 171 | 257 | 264 | 260 | 253 | 237 | 224 | 183 |
| JDGMT: 3     | DPHI: | -170 | -71 | -66 | -58 | -49 | -47 | -30 | -26 | -22 | -18 | -13 | -10 | -8  | -7  | -6  | -5  | -4  | -3  | -2  | -1  | -1  | -1  | 0   |
|              | AZ:   | 41   | 42  | 43  | 44  | 45  | 46  | 47  | 48  | 49  | 50  | 51  | 52  | 53  | 54  | 55  | 56  | 56  | 56  | 57  | 58  | 59  | 60  | 61  |
|              | OBS:  | 191  | 159 | 71  | 116 | 80  | 67  | 61  | 43  | 6   | 36  | 3   | 5   | 11  | 2   | 4   | 0   | 5   | 0   | 0   | 2   | 3   | 0   | 18  |
|              | DPHI: | 1    | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 15  | 16  | 16  | 16  | 16  | 17  | 18  | 20  | 20  | 21  |
|              | AZ:   | 62   | 63  | 64  | 65  | 66  | 67  | 68  | 69  | 70  | 71  | 72  | 73  | 74  | 78  | 82  | 90  | 99  | 106 | 114 | 122 |     |     |     |
|              | OBS:  | 1    | 0   | 19  | 0   | 3   | 0   | 5   | 0   | 0   | 0   | 0   | 2   | 1   | 0   | 0   | 5   | 0   | 0   | 0   | 0   |     |     |     |
|              | DPHI: | 22   | 23  | 24  | 25  | 27  | 27  | 28  | 29  | 30  | 31  | 32  | 33  | 34  | 38  | 42  | 50  | 59  | 66  | 74  | 82  |     |     |     |
| 82 8 23 14   | AZ:   | 233  | 331 | 339 | 346 | 352 | 360 | 9   | 16  | 24  | 27  | 33  | 36  | 41  | 41  | 43  | 44  | 45  | 46  | 47  | 48  | 49  | 50  | 51  |
| R = 10.0 KM; | OBS:  | 13   | 6   | 0   | 3   | 2   | 3   | 0   | 2   | 6   | 16  | 55  | 142 | 388 | 349 | 272 | 194 | 164 | 136 | 93  | 64  | 53  | 40  | 61  |
| JDGMT: 3     | DPHI: | -167 | -69 | -61 | -54 | -48 | -40 | -31 | -23 | -16 | -13 | -7  | -4  | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  |
|              | AZ:   | 51   | 53  | 53  | 55  | 57  | 58  | 58  | 59  | 60  | 60  | 63  | 68  | 73  | 77  | 80  | 84  | 92  | 99  | 108 | 115 | 124 |     |     |

|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|              | OBS:  | 46   | 18  | 8   | 2   | 3   | 3   | 10  | 5   | 4   | 0   | 0   | 0   | 0   | 17  | 7   | 3   | 0   | 5   | 0   | 0   | 1   |     |     |
|              | DPHI: | 12   | 13  | 13  | 15  | 17  | 18  | 18  | 19  | 20  | 20  | 23  | 28  | 33  | 37  | 41  | 45  | 52  | 59  | 68  | 75  | 84  |     |     |
| 82 8 23 14   | AZ:   | 233  | 328 | 344 | 358 | 16  | 33  | 49  | 65  | 80  | 96  | 112 | 128 |     |     |     |     |     |     |     |     |     |     |     |
| R = 15.0 KM; | OBS:  | 19   | 1   | 0   | 4   | 0   | 54  | 0   | 0   | 0   | 6   | 5   | 1   |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 3     | DPHI: | -167 | -72 | -55 | -42 | -24 | -7  | 9   | 25  | 40  | 56  | 73  | 89  |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 23 15   | AZ:   | 335  | 342 | 350 | 1   | 8   | 16  | 23  | 23  | 30  | 42  | 47  | 54  | 54  | 62  | 71  | 78  | 87  | 94  | 101 | 110 | 118 | 125 |     |
| R = 0.5 KM;  | OBS:  | 0    | 4   | 0   | 0   | 3   | 6   | 4   | 5   | 0   | 0   | 13  | 3   | 0   | 14  | 3   | 0   | 0   | 0   | 3   | 0   | 0   | 13  |     |
| JDGMT: 3     | DPHI: | -68  | -60 | -52 | -42 | -35 | -26 | -20 | -20 | -12 | -1  | 4   | 11  | 12  | 19  | 29  | 36  | 45  | 52  | 59  | 67  | 76  | 83  |     |
| 82 8 23 15   | AZ:   | 245  | 332 | 342 | 350 | 358 | 6   | 14  | 22  | 30  | 38  | 46  | 54  | 60  | 67  | 86  | 94  | 102 | 109 | 118 | 126 | 213 |     |     |
| R = 1.0 KM;  | OBS:  | 4    | 0   | 5   | 3   | 6   | 3   | 17  | 0   | 3   | 0   | 2   | 0   | 14  | 0   | 8   | 2   | 0   | 0   | 0   | 0   | 3   |     |     |
| JDGMT: 3     | DPHI: | -157 | -70 | -60 | -53 | -44 | -36 | -28 | -20 | -12 | -4  | 4   | 12  | 18  | 25  | 43  | 51  | 59  | 67  | 75  | 83  | 170 |     |     |
| 82 8 23 15   | AZ:   | 333  | 343 | 349 | 358 | 6   | 10  | 33  | 38  | 46  | 49  | 58  | 66  | 70  | 94  | 97  | 106 | 117 | 122 |     |     |     |     |     |
| R = 2.0 KM;  | OBS:  | 5    | 4   | 4   | 5   | 0   | 10  | 8   | 11  | 2   | 0   | 3   | 0   | 2   | 1   | 0   | 4   | 3   | 16  |     |     |     |     |     |
| JDGMT: 2     | DPHI: | -69  | -60 | -53 | -44 | -37 | -33 | -9  | -4  | 4   | 7   | 16  | 24  | 28  | 52  | 54  | 63  | 75  | 79  |     |     |     |     |     |
| 82 8 23 15   | AZ:   | 335  | 341 | 351 | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 61  | 70  | 78  | 87  |
| R = 3.0 KM;  | OBS:  | 2    | 20  | 5   | 3   | 0   | 2   | 25  | 18  | 13  | 25  | 2   | 4   | 0   | 0   | 0   | 4   | 2   | 13  | 7   | 13  | 4   | 0   |     |
| JDGMT: 3     | DPHI: | -68  | -62 | -51 | -46 | -37 | -28 | -20 | -13 | 0   | 4   | 12  | 16  | 17  | 17  | 17  | 17  | 17  | 17  | 17  | 18  | 28  | 36  | 44  |
|              | AZ:   | 94   | 102 | 110 | 118 | 126 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 0    | 3   | 0   | 2   | 3   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 52   | 60  | 68  | 76  | 84  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 23 15   | AZ:   | 230  | 329 | 334 | 342 | 351 | 353 | 10  | 14  | 18  | 22  | 26  | 30  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 39  | 39  | 40  |
| R = 5.0 KM;  | OBS:  | 0    | 0   | 0   | 19  | 0   | 3   | 0   | 0   | 2   | 6   | 12  | 13  | 47  | 47  | 42  | 48  | 71  | 59  | 88  | 65  | 40  | 41  | 51  |
| JDGMT: 3     | DPHI: | -172 | -74 | -69 | -60 | -52 | -50 | -33 | -28 | -25 | -21 | -16 | -12 | -10 | -9  | -8  | -7  | -6  | -5  | -4  | -3  | -3  | -3  | -2  |
|              | AZ:   | 42   | 43  | 44  | 45  | 46  | 47  | 48  | 49  | 50  | 51  | 52  | 53  | 54  | 55  | 56  | 56  | 56  | 58  | 59  | 60  | 61  | 62  | 63  |
|              | OBS:  | 57   | 30  | 8   | 11  | 23  | 12  | 4   | 10  | 7   | 16  | 5   | 0   | 0   | 22  | 0   | 7   | 0   | 4   | 4   | 3   | 8   | 5   | 8   |
|              | DPHI: | 0    | 1   | 1   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 14  | 14  | 16  | 17  | 18  | 19  | 20  | 21  |
|              | AZ:   | 64   | 65  | 66  | 67  | 68  | 69  | 70  | 71  | 72  | 73  | 74  | 78  | 82  | 90  | 99  | 106 | 114 | 122 |     |     |     |     |     |
|              | OBS:  | 6    | 0   | 13  | 0   | 0   | 3   | 0   | 0   | 0   | 19  | 5   | 0   | 0   | 0   | 0   | 0   | 0   | 6   |     |     |     |     |     |
|              | DPHI: | 22   | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  | 31  | 32  | 36  | 40  | 48  | 57  | 64  | 72  | 79  |     |     |     |     |     |
| 82 8 23 15   | AZ:   | 233  | 331 | 339 | 346 | 352 | 360 | 9   | 16  | 24  | 27  | 33  | 36  | 41  | 41  | 43  | 44  | 45  | 46  | 47  | 48  | 49  | 50  | 51  |
| R = 10.0 KM; | OBS:  | 12   | 0   | 0   | 4   | 8   | 6   | 1   | 3   | 0   | 17  | 30  | 120 | 94  | 127 | 155 | 142 | 149 | 146 | 137 | 158 | 200 | 150 | 110 |
| JDGMT: 3     | DPHI: | -169 | -72 | -63 | -56 | -50 | -42 | -33 | -26 | -18 | -15 | -10 | -6  | -1  | -1  | 0   | 2   | 3   | 4   | 4   | 5   | 6   | 8   | 9   |
|              | AZ:   | 51   | 53  | 53  | 55  | 57  | 58  | 58  | 59  | 60  | 60  | 63  | 68  | 73  | 77  | 80  | 84  | 92  | 99  | 108 | 115 | 124 |     |     |
|              | OBS:  | 91   | 40  | 68  | 23  | 28  | 2   | 5   | 0   | 6   | 5   | 3   | 2   | 0   | 2   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
|              | DPHI: | 9    | 11  | 11  | 12  | 14  | 15  | 16  | 16  | 17  | 18  | 21  | 26  | 30  | 34  | 38  | 42  | 49  | 56  | 66  | 73  | 82  |     |     |
| 82 8 23 15   | AZ:   | 233  | 328 | 344 | 358 | 16  | 33  | 49  | 65  | 80  | 96  | 112 | 128 |     |     |     |     |     |     |     |     |     |     |     |
| R = 15.0 KM; | OBS:  | 24   | 0   | 0   | 4   | 0   | 32  | 215 | 0   | 0   | 0   | 0   | 3   |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 3     | DPHI: | -170 | -74 | -58 | -44 | -27 | -9  | 6   | 23  | 37  | 53  | 70  | 86  |     |     |     |     |     |     |     |     |     |     |     |
| 82 8 23 16   | AZ:   | 335  | 342 | 350 | 1   | 8   | 16  | 23  | 23  | 30  | 42  | 47  | 54  | 54  | 62  | 71  | 78  | 87  | 94  | 101 | 110 | 118 | 125 |     |



|                   |      |     |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |     |     |     |     |     |
|-------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| R = 0.5 KM; OBS:  | 0    | 3   | 0   | 0   | 13  | 6   | 2   | 4   | 1   | 0   | 0   | 5   | 9  | 0  | 0   | 2   | 4   | 7   | 5   | 48  | 0   | 0   |     |
| JDGMT: 2 DPHI:    | -62  | -54 | -47 | -36 | -29 | -20 | -14 | -14 | -6  | 5   | 10  | 17  | 18 | 25 | 35  | 42  | 51  | 58  | 64  | 73  | 82  | 88  |     |
|                   |      |     |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |     |     |     |     |     |
| 82 8 23 16 AZ:    | 245  | 332 | 342 | 350 | 358 | 6   | 14  | 22  | 30  | 38  | 46  | 54  | 67 | 78 | 86  | 94  | 102 | 109 | 118 | 126 | 213 |     |     |
| R = 1.0 KM; OBS:  | 0    | 2   | 3   | 0   | 1   | 0   | 3   | 2   | 0   | 0   | 0   | 0   | 3  | 0  | 0   | 0   | 0   | 0   | 3   | 0   | 0   |     |     |
| JDGMT: 2 DPHI:    | -151 | -64 | -54 | -47 | -39 | -30 | -22 | -14 | -6  | 2   | 10  | 18  | 31 | 41 | 49  | 57  | 65  | 73  | 81  | 89  | 176 |     |     |
|                   |      |     |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |     |     |     |     |     |
| 82 8 23 16 AZ:    | 333  | 343 | 349 | 358 | 6   | 10  | 33  | 38  | 46  | 49  | 58  | 66  | 70 | 94 | 97  | 106 | 117 | 122 |     |     |     |     |     |
| R = 2.0 KM; OBS:  | 0    | 11  | 3   | 0   | 0   | 0   | 11  | 5   | 2   | 0   | 0   | 0   | 0  | 0  | 2   | 0   | 0   | 13  |     |     |     |     |     |
| JDGMT: 2 DPHI:    | -63  | -54 | -47 | -38 | -31 | -27 | -3  | 2   | 9   | 13  | 22  | 29  | 34 | 58 | 60  | 69  | 81  | 85  |     |     |     |     |     |
|                   |      |     |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |     |     |     |     |     |
| 82 8 23 16 AZ:    | 341  | 351 | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 59  | 59  | 59 | 59 | 59  | 59  | 59  | 61  | 70  | 78  | 87  | 94  | 102 |
| R = 3.0 KM; OBS:  | 4    | 4   | 0   | 0   | 6   | 17  | 19  | 0   | 9   | 0   | 15  | 2   | 7  | 0  | 5   | 61  | 6   | 0   | 5   | 0   | 1   | 0   | 3   |
| JDGMT: 3 DPHI:    | -56  | -45 | -40 | -32 | -22 | -14 | -7  | 6   | 10  | 18  | 22  | 23  | 23 | 23 | 23  | 23  | 23  | 24  | 34  | 42  | 50  | 58  | 66  |
|                   |      |     |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |     |     |     |     |     |
| AZ:               | 110  | 118 | 126 |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |     |     |     |     |     |
| OBS:              | 0    | 7   | 1   |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |     |     |     |     |     |
| DPHI:             | 74   | 82  | 90  |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |     |     |     |     |     |
|                   |      |     |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |     |     |     |     |     |
| 82 8 23 16 AZ:    | 230  | 329 | 334 | 342 | 351 | 353 | 10  | 14  | 18  | 22  | 26  | 30  | 32 | 33 | 35  | 36  | 37  | 38  | 39  | 39  | 39  | 40  | 41  |
| R = 5.0 KM; OBS:  | 0    | 3   | 0   | 58  | 0   | 18  | 8   | 5   | 2   | 0   | 0   | 43  | 94 | 74 | 125 | 85  | 82  | 71  | 57  | 47  | 51  | 45  | 64  |
| JDGMT: 2 DPHI:    | -167 | -68 | -63 | -54 | -46 | -44 | -27 | -22 | -19 | -15 | -10 | -7  | -4 | -3 | -1  | 0   | 1   | 2   | 3   | 3   | 3   | 4   | 5   |
|                   |      |     |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |     |     |     |     |     |
| AZ:               | 42   | 43  | 44  | 45  | 46  | 47  | 48  | 49  | 50  | 51  | 52  | 53  | 54 | 56 | 56  | 56  | 57  | 58  | 59  | 60  | 61  | 62  | 63  |
| OBS:              | 46   | 52  | 23  | 25  | 22  | 9   | 3   | 0   | 3   | 0   | 9   | 0   | 0  | 12 | 0   | 0   | 13  | 0   | 3   | 19  | 1   | 0   |     |
| DPHI:             | 6    | 7   | 7   | 9   | 10  | 10  | 12  | 12  | 13  | 15  | 16  | 17  | 18 | 20 | 20  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 27  |
|                   |      |     |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |     |     |     |     |     |
| AZ:               | 64   | 65  | 66  | 67  | 68  | 69  | 70  | 71  | 72  | 73  | 74  | 78  | 82 | 90 | 99  | 106 | 114 | 122 |     |     |     |     |     |
| OBS:              | 4    | 0   | 2   | 17  | 9   | 0   | 0   | 8   | 0   | 12  | 0   | 0   | 0  | 0  | 0   | 1   | 1   |     |     |     |     |     |     |
| DPHI:             | 28   | 29  | 30  | 31  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 42  | 46 | 54 | 62  | 70  | 77  | 85  |     |     |     |     |     |
|                   |      |     |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |     |     |     |     |     |
| 82 8 23 16 AZ:    | 233  | 331 | 339 | 346 | 352 | 360 | 9   | 24  | 27  | 33  | 36  | 41  | 41 | 43 | 44  | 45  | 46  | 47  | 48  | 49  | 50  | 51  | 51  |
| R = 10.0 KM; OBS: | 28   | 1   | 0   | 0   | 0   | 0   | 0   | 10  | 43  | 103 | 87  | 77  | 70 | 39 | 24  | 10  | 13  | 13  | 15  | 0   | 3   | 2   | 0   |
| JDGMT: 2 DPHI:    | -163 | -66 | -57 | -50 | -44 | -36 | -27 | -12 | -9  | -4  | 0   | 5   | 5  | 6  | 8   | 9   | 10  | 10  | 11  | 12  | 14  | 14  | 15  |
|                   |      |     |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |     |     |     |     |     |
| AZ:               | 53   | 53  | 55  | 57  | 58  | 58  | 59  | 60  | 60  | 63  | 68  | 73  | 77 | 80 | 84  | 92  | 99  | 108 | 115 | 124 |     |     |     |
| OBS:              | 0    | 0   | 0   | 3   | 0   | 4   | 5   | 1   | 0   | 0   | 0   | 6   | 20 | 20 | 4   | 5   | 0   | 3   | 0   | 7   |     |     |     |
| DPHI:             | 16   | 17  | 18  | 20  | 21  | 21  | 22  | 23  | 24  | 27  | 32  | 36  | 40 | 44 | 48  | 55  | 62  | 72  | 79  | 88  |     |     |     |
|                   |      |     |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |     |     |     |     |     |
| 82 8 23 16 AZ:    | 233  | 328 | 344 | 358 | 16  | 33  | 49  | 65  | 80  | 96  | 112 | 128 |    |    |     |     |     |     |     |     |     |     |     |
| R = 15.0 KM; OBS: | 40   | 4   | 4   | 0   | 0   | 86  | 8   | 0   | 0   | 5   | 0   | 6   |    |    |     |     |     |     |     |     |     |     |     |
| JDGMT: 3 DPHI:    | -164 | -68 | -52 | -38 | -21 | -3  | 12  | 29  | 43  | 59  | 76  | 92  |    |    |     |     |     |     |     |     |     |     |     |
|                   |      |     |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |     |     |     |     |     |
| 82 8 23 17 AZ:    | 335  | 342 | 350 | 1   | 8   | 16  | 23  | 23  | 30  | 42  | 47  | 54  | 54 | 62 | 71  | 78  | 87  | 94  | 101 | 110 | 118 | 125 |     |
| R = 0.5 KM; OBS:  | 0    | 0   | 0   | 0   | 4   | 6   | 0   | 2   | 4   | 0   | 0   | 10  | 2  | 5  | 0   | 2   | 1   | 0   | 4   | 0   | 0   | 5   |     |
| JDGMT: 3 DPHI:    | -66  | -58 | -50 | -40 | -33 | -24 | -18 | -18 | -10 | 1   | 6   | 13  | 14 | 21 | 31  | 38  | 47  | 54  | 61  | 69  | 78  | 85  |     |
|                   |      |     |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |     |     |     |     |     |
| 82 8 23 17 AZ:    | 245  | 332 | 342 | 350 | 358 | 6   | 14  | 22  | 30  | 38  | 46  | 54  | 67 | 78 | 86  | 94  | 102 | 109 | 118 | 126 | 213 |     |     |
| R = 1.0 KM; OBS:  | 0    | 0   | 3   | 2   | 0   | 0   | 17  | 4   | 0   | 0   | 0   | 0   | 0  | 4  | 4   | 10  | 0   | 0   | 4   | 4   | 2   |     |     |
| JDGMT: 3 DPHI:    | -155 | -68 | -58 | -51 | -42 | -34 | -26 | -18 | -10 | -2  | 6   | 14  | 27 | 38 | 45  | 53  | 61  | 69  | 77  | 85  | 172 |     |     |
|                   |      |     |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |     |     |     |     |     |
| 82 8 23 17 AZ:    | 333  | 343 | 349 | 358 | 6   | 10  | 33  | 38  | 46  | 49  | 58  | 66  | 70 | 94 | 97  | 106 | 117 | 122 |     |     |     |     |     |

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R = 2.0 KM; OBS: 5 0 3 3 0 0 0 3 0 0 0 0 0 2 2 0 0 12
JDGMT: 2 DPHI: -67 -58 -51 -42 -35 -31 -7 -2 6 9 18 26 30 54 56 65 77 81

82 8 23 17 AZ: 335 341 351 357 5 14 23 30 42 46 54 59 59 59 59 59 59 59 59 59 59 61 70 78 87 94
R = 3.0 KM; OBS: 4 28 0 2 5 0 11 21 9 6 2 5 2 0 0 11 3 1 5 11 0 3 2
JDGMT: 2 DPHI: -66 -60 -49 -44 -35 -26 -18 -11 2 6 14 18 19 19 19 19 19 19 19 19 19 20 30 38 46 54

AZ: 102 110 118 126
OBS: 4 0 0 2
DPHI: 62 70 78 86

82 8 23 17 AZ: 230 329 334 342 351 353 10 14 18 22 26 30 32 33 34 35 36 37 38 39 39 39 39 40
R = 5.0 KM; OBS: 0 2 5 19 8 4 0 3 7 1 25 4 0 53 93 80 95 57 43 39 32 15 22
JDGMT: 3 DPHI: -170 -72 -67 -58 -50 -48 -31 -26 -23 -19 -14 -10 -8 -7 -6 -5 -4 -3 -2 -1 -1 -1 -1 0

AZ: 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 56 56 57 58 59 60 61
OBS: 26 36 21 12 26 4 0 11 0 2 0 5 0 0 2 0 4 14 0 8 0 0 0
DPHI: 1 2 3 3 5 6 7 8 9 10 11 12 13 14 15 16 16 16 17 18 19 20 21

AZ: 62 63 64 65 66 67 68 69 70 71 72 73 74 78 82 90 99 106 114 122
OBS: 8 0 10 0 1 0 0 2 3 0 2 4 0 0 2 0 2 0 0 0 6
DPHI: 22 23 24 25 26 27 28 29 30 31 32 33 34 38 42 50 59 66 74 81

82 8 23 17 AZ: 233 331 339 346 352 360 9 16 24 27 33 36 41 41 43 44 45 46 47 48 49 50 51
R = 10.0 KM; OBS: 2 0 8 2 0 0 3 0 3 30 66 12 128 117 58 70 37 44 52 12 11 17 3
JDGMT: 3 DPHI: -167 -70 -61 -54 -48 -40 -31 -24 -16 -13 -8 -4 1 1 2 4 5 6 6 7 8 10 11

AZ: 51 53 53 55 57 58 58 59 60 60 63 68 73 77 80 84 92 99 108 115 124
OBS: 18 0 0 0 3 3 14 35 0 6 0 0 3 2 0 3 0 0 0 0 0
DPHI: 11 13 13 14 16 17 18 18 19 20 23 28 32 37 40 44 51 58 68 75 84

82 8 23 17 AZ: 328 344 358 16 33 49 65 80 96 112 128
R = 15.0 KM; OBS: 0 0 2 0 20 5 0 0 2 1 0
JDGMT: 3 DPHI: -72 -56 -42 -25 -7 8 25 39 55 72 88

82 8 23 18 AZ: 335 342 350 1 8 16 23 23 30 42 47 54 54 62 71 78 87 94 101 110 118 125
R = 0.5 KM; OBS: 0 1 0 2 4 3 1 3 0 0 0 2 3 0 0 1 0 7 3 0 0 0
JDGMT: 2 DPHI: -92 -84 -76 -65 -58 -50 -44 -43 -36 -25 -19 -12 -12 -4 5 12 21 28 35 44 52 59

82 8 23 18 AZ: 245 332 342 350 358 6 14 22 30 38 46 54 60 67 78 86 94 102 109 118 126 213
R = 1.0 KM; OBS: 3 9 3 0 2 7 0 0 0 0 0 0 0 18 0 0 0 9 0 0 0 0
JDGMT: 2 DPHI: -181 -94 -84 -77 -68 -60 -52 -44 -36 -28 -20 -12 -6 1 12 19 28 36 43 51 59 146

82 8 23 18 AZ: 333 343 349 358 6 10 33 38 46 49 58 66 70 94 97 106 117 122
R = 2.0 KM; OBS: 0 4 0 0 0 6 0 0 0 0 7 7 4 0 0 0 6 2
JDGMT: 3 DPHI: -93 -84 -77 -68 -60 -57 -33 -28 -20 -17 -8 0 4 28 30 39 51 55

82 8 23 18 AZ: 335 341 351 357 5 14 23 30 42 46 54 59 59 59 59 59 59 59 59 59 59 61 70 78 87
R = 3.0 KM; OBS: 0 3 0 0 0 0 14 7 3 6 12 12 4 0 2 0 0 12 11 0 3 2 1
JDGMT: 2 DPHI: -92 -85 -75 -70 -61 -52 -44 -37 -24 -20 -12 -8 -7 -7 -7 -7 -7 -7 -7 -6 4 12 21

AZ: 94 102 110 118 126

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|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|--------------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| OBS:         | 3     | 3    | 0   | 7   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| DPHI:        | 28    | 36   | 44  | 52  | 60  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 82 8 23 18   | AZ:   | 329  | 334 | 342 | 351 | 353 | 10  | 14  | 18  | 22  | 26  | 30  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 39  | 39  | 39  | 40  | 41 |
| R = 5.0 KM;  | OBS:  | 0    | 0   | 6   | 0   | 15  | 0   | 0   | 0   | 0   | 5   | 3   | 6   | 0   | 0   | 0   | 0   | 5   | 0   | 8   | 4   | 3   | 5   | 5   |    |
| JDGMT: 2     | DPHI: | -97  | -92 | -84 | -75 | -74 | -56 | -52 | -48 | -45 | -40 | -36 | -34 | -33 | -32 | -31 | -30 | -29 | -28 | -27 | -27 | -27 | -26 | -25 |    |
| AZ:          | 42    | 43   | 44  | 45  | 46  | 47  | 48  | 49  | 50  | 51  | 52  | 53  | 54  | 55  | 56  | 56  | 56  | 57  | 58  | 59  | 60  | 61  | 62  |     |    |
| OBS:         | 4     | 6    | 0   | 0   | 6   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 7   | 0   | 0   | 3   | 0   | 4   | 0   | 1   | 1   |     |    |
| DPHI:        | -24   | -23  | -22 | -21 | -20 | -19 | -18 | -17 | -16 | -15 | -14 | -13 | -12 | -11 | -10 | -10 | -10 | -9  | -8  | -7  | -6  | -5  | -4  |     |    |
| AZ:          | 63    | 64   | 65  | 66  | 67  | 68  | 69  | 70  | 71  | 72  | 73  | 74  | 78  | 82  | 90  | 99  | 106 | 114 | 122 | 230 |     |     |     |     |    |
| OBS:         | 0     | 4    | 0   | 1   | 3   | 0   | 0   | 4   | 9   | 0   | 14  | 5   | 0   | 0   | 2   | 1   | 3   | 2   | 3   | 0   |     |     |     |     |    |
| DPHI:        | -3    | -2   | -1  | 0   | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 12  | 16  | 24  | 33  | 40  | 48  | 55  | 164 |     |     |     |     |    |
| 82 8 23 18   | AZ:   | 331  | 339 | 346 | 352 | 360 | 16  | 24  | 27  | 33  | 36  | 41  | 41  | 43  | 44  | 45  | 46  | 47  | 48  | 49  | 50  | 51  | 51  | 53  |    |
| R = 10.0 KM; | OBS:  | 4    | 2   | 0   | 0   | 3   | 3   | 3   | 7   | 32  | 5   | 16  | 6   | 7   | 0   | 0   | 0   | 0   | 0   | 3   | 5   | 4   | 4   |     |    |
| JDGMT: 3     | DPHI: | -96  | -87 | -80 | -74 | -66 | -50 | -42 | -39 | -34 | -30 | -25 | -25 | -24 | -22 | -21 | -20 | -20 | -19 | -18 | -16 | -15 | -15 | -13 |    |
| AZ:          | 53    | 55   | 57  | 58  | 58  | 59  | 60  | 60  | 63  | 68  | 73  | 77  | 80  | 84  | 92  | 99  | 108 | 115 | 124 | 233 |     |     |     |     |    |
| OBS:         | 0     | 0    | 6   | 0   | 2   | 8   | 0   | 0   | 0   | 3   | 4   | 0   | 2   | 0   | 4   | 0   | 0   | 0   | 0   | 23  |     |     |     |     |    |
| DPHI:        | -13   | -12  | -10 | -9  | -8  | -7  | -7  | -6  | -3  | 2   | 6   | 11  | 14  | 18  | 26  | 33  | 42  | 49  | 58  | 167 |     |     |     |     |    |
| 82 8 23 18   | AZ:   | 328  | 344 | 358 | 16  | 33  | 49  | 65  | 80  | 96  | 112 | 128 | 233 |     |     |     |     |     |     |     |     |     |     |     |    |
| R = 15.0 KM; | OBS:  | 0    | 0   | 0   | 5   | 32  | 7   | 5   | 0   | 9   | 4   | 27  | 33  |     |     |     |     |     |     |     |     |     |     |     |    |
| JDGMT: 2     | DPHI: | -98  | -82 | -68 | -50 | -33 | -18 | -1  | 13  | 30  | 46  | 62  | 166 |     |     |     |     |     |     |     |     |     |     |     |    |
| 82 8 23 19   | AZ:   | 335  | 342 | 350 | 1   | 8   | 16  | 23  | 23  | 30  | 42  | 47  | 54  | 54  | 62  | 71  | 78  | 87  | 94  | 101 | 110 | 118 | 125 |     |    |
| R = 0.5 KM;  | OBS:  | 0    | 4   | 0   | 1   | 39  | 1   | 2   | 2   | 2   | 0   | 0   | 13  | 8   | 0   | 0   | 2   | 0   | 0   | 8   | 8   | 0   | 11  |     |    |
| JDGMT: 2     | DPHI: | -68  | -60 | -52 | -41 | -34 | -26 | -20 | -19 | -12 | 0   | 5   | 12  | 12  | 20  | 29  | 36  | 45  | 52  | 59  | 68  | 76  | 83  |     |    |
| 82 8 23 19   | AZ:   | 245  | 332 | 342 | 358 | 6   | 14  | 22  | 30  | 38  | 46  | 54  | 60  | 67  | 78  | 86  | 94  | 102 | 109 | 118 | 126 | 213 |     |     |    |
| R = 1.0 KM;  | OBS:  | 0    | 2   | 3   | 4   | 0   | 3   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 8   | 0   | 0   | 0   | 0   | 0   |     |    |
| JDGMT: 2     | DPHI: | -157 | -70 | -60 | -44 | -36 | -28 | -20 | -12 | -4  | 4   | 12  | 18  | 25  | 36  | 44  | 52  | 60  | 67  | 76  | 84  | 171 |     |     |    |
| 82 8 23 19   | AZ:   | 333  | 343 | 358 | 6   | 10  | 33  | 38  | 46  | 49  | 58  | 66  | 70  | 94  | 97  | 106 | 117 | 122 |     |     |     |     |     |     |    |
| R = 2.0 KM;  | OBS:  | 2    | 2   | 4   | 0   | 1   | 0   | 24  | 4   | 0   | 0   | 0   | 5   | 0   | 6   | 0   | 16  |     |     |     |     |     |     |     |    |
| JDGMT: 3     | DPHI: | -69  | -59 | -44 | -36 | -32 | -9  | -4  | 4   | 7   | 16  | 24  | 28  | 52  | 55  | 64  | 75  | 80  |     |     |     |     |     |     |    |
| 82 8 23 19   | AZ:   | 335  | 341 | 351 | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 61  | 70  | 78  | 87  | 94  |    |
| R = 3.0 KM;  | OBS:  | 0    | 0   | 0   | 0   | 2   | 0   | 5   | 0   | 0   | 6   | 4   | 3   | 0   | 2   | 0   | 3   | 0   | 0   | 0   | 12  | 20  | 19  | 3   |    |
| JDGMT: 3     | DPHI: | -67  | -61 | -51 | -45 | -37 | -28 | -19 | -13 | 0   | 4   | 12  | 17  | 17  | 17  | 17  | 17  | 17  | 17  | 19  | 28  | 36  | 45  | 52  |    |
| AZ:          | 102   | 110  | 118 | 126 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| OBS:         | 6     | 0    | 2   | 12  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| DPHI:        | 60    | 68   | 76  | 84  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 82 8 23 19   | AZ:   | 329  | 334 | 342 | 351 | 353 | 10  | 14  | 18  | 22  | 26  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 39  | 39  | 39  | 40  | 41  | 42 |
| R = 5.0 KM;  | OBS:  | 2    | 0   | 15  | 1   | 4   | 0   | 0   | 0   | 4   | 16  | 1   | 4   | 5   | 8   | 0   | 7   | 3   | 0   | 0   | 11  | 5   | 25  | 22  |    |
| JDGMT: 3     | DPHI: | -73  | -68 | -60 | -51 | -49 | -32 | -28 | -24 | -20 | -16 | -10 | -9  | -8  | -7  | -6  | -5  | -4  | -3  | -3  | -3  | -2  | -1  | 0   |    |
| AZ:          | 43    | 44   | 46  | 47  | 48  | 49  | 50  | 51  | 53  | 54  | 55  | 56  | 56  | 56  | 57  | 58  | 59  | 60  | 61  | 62  | 64  | 65  | 67  |     |    |

|                   |      |      |     |     |     |     |     |     |     |    |     |     |     |     |     |     |     |    |    |    |    |    |    |
|-------------------|------|------|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|
| OBS:              | 7    | 0    | 5   | 0   | 0   | 2   | 22  | 0   | 10  | 0  | 4   | 0   | 0   | 0   | 2   | 0   | 2   | 16 | 1  | 3  | 7  | 0  |    |
| DPHI:             | 1    | 2    | 4   | 5   | 6   | 7   | 8   | 9   | 11  | 12 | 13  | 14  | 14  | 14  | 15  | 16  | 17  | 18 | 19 | 20 | 22 | 23 | 25 |
| AZ:               | 68   | 69   | 70  | 71  | 72  | 73  | 74  | 78  | 82  | 90 | 99  | 106 | 122 | 230 |     |     |     |    |    |    |    |    |    |
| OBS:              | 0    | 21   | 0   | 7   | 2   | 0   | 1   | 0   | 0   | 0  | 0   | 2   | 0   | 0   |     |     |     |    |    |    |    |    |    |
| DPHI:             | 26   | 27   | 28  | 29  | 30  | 31  | 32  | 36  | 40  | 48 | 57  | 64  | 80  | 188 |     |     |     |    |    |    |    |    |    |
| 82 8 23 19 AZ:    | 233  | 331  | 339 | 346 | 352 | 360 | 16  | 24  | 27  | 33 | 36  | 41  | 43  | 44  | 45  | 46  | 47  | 48 | 49 | 50 | 51 | 51 | 53 |
| R = 10.0 KM; OBS: | 5    | 1    | 1   | 3   | 2   | 0   | 0   | 0   | 0   | 1  | 2   | 0   | 1   | 0   | 0   | 0   | 0   | 0  | 0  | 3  | 32 | 15 | 0  |
| JDGMT: 3 DPHI:    | -169 | -71  | -63 | -56 | -50 | -42 | -26 | -18 | -15 | -9 | -6  | -1  | 0   | 2   | 3   | 4   | 5   | 6  | 7  | 8  | 9  | 9  | 11 |
| AZ:               | 53   | 55   | 57  | 58  | 58  | 59  | 60  | 60  | 63  | 68 | 73  | 80  | 84  | 99  | 108 | 115 | 124 |    |    |    |    |    |    |
| OBS:              | 3    | 0    | 5   | 0   | 6   | 0   | 5   | 0   | 22  | 0  | 7   | 0   | 0   | 0   | 0   | 0   | 4   |    |    |    |    |    |    |
| DPHI:             | 11   | 12   | 15  | 15  | 16  | 17  | 18  | 18  | 21  | 26 | 31  | 38  | 42  | 57  | 66  | 73  | 82  |    |    |    |    |    |    |
| 82 8 23 19 AZ:    | 233  | 328  | 344 | 358 | 16  | 33  | 49  | 65  | 80  | 96 | 112 | 128 |     |     |     |     |     |    |    |    |    |    |    |
| R = 15.0 KM; OBS: | 36   | 3    | 8   | 0   | 0   | 0   | 0   | 7   | 0   | 5  | 0   | 4   |     |     |     |     |     |    |    |    |    |    |    |
| JDGMT: 2 DPHI:    | -170 | -74  | -58 | -44 | -26 | -9  | 7   | 23  | 38  | 54 | 70  | 86  |     |     |     |     |     |    |    |    |    |    |    |
| 82 8 24 11 AZ:    | 23   | 54   |     |     |     |     |     |     |     |    |     |     |     |     |     |     |     |    |    |    |    |    |    |
| R = 0.5 KM; OBS:  | 15   | 8    |     |     |     |     |     |     |     |    |     |     |     |     |     |     |     |    |    |    |    |    |    |
| JDGMT: 0 DPHI:    | 5    | 36   |     |     |     |     |     |     |     |    |     |     |     |     |     |     |     |    |    |    |    |    |    |
| 82 8 24 11 AZ:    | 245  | 213  |     |     |     |     |     |     |     |    |     |     |     |     |     |     |     |    |    |    |    |    |    |
| R = 1.0 KM; OBS:  | 0    | 16   |     |     |     |     |     |     |     |    |     |     |     |     |     |     |     |    |    |    |    |    |    |
| JDGMT: 0 DPHI:    | -133 | 195  |     |     |     |     |     |     |     |    |     |     |     |     |     |     |     |    |    |    |    |    |    |
| 82 8 24 11 AZ:    | 230  | 262  | 351 | 42  | 46  | 54  | 54  | 59  | 59  | 59 | 59  | 59  | 59  | 59  | 61  | 70  | 78  | 87 |    |    |    |    |    |
| R = 3.0 KM; OBS:  | 28   | 0    | 16  | 6   | 6   | 2   | 16  | 4   | 29  | 29 | 4   | 13  | 11  | 12  | 5   | 18  | 10  | 0  |    |    |    |    |    |
| JDGMT: 3 DPHI:    | -147 | -116 | -27 | 24  | 29  | 36  | 37  | 41  | 41  | 41 | 41  | 41  | 41  | 41  | 43  | 52  | 61  | 69 |    |    |    |    |    |
| 82 8 24 11 AZ:    | 230  | 254  | 351 | 353 | 2   | 14  | 18  | 22  | 26  | 34 | 38  | 39  | 39  | 42  | 46  | 54  | 58  | 62 | 66 | 70 |    |    |    |
| R = 5.0 KM; OBS:  | 25   | 26   | 6   | 8   | 11  | 6   | 14  | 4   | 8   | 0  | 4   | 4   | 5   | 6   | 6   | 4   | 17  | 4  | 3  | 6  |    |    |    |
| JDGMT: 2 DPHI:    | -148 | -124 | -27 | -25 | -16 | -4  | 0   | 4   | 9   | 16 | 20  | 21  | 21  | 24  | 28  | 37  | 40  | 44 | 48 | 52 |    |    |    |
| 82 8 24 11 AZ:    | 229  | 233  | 355 | 357 | 358 | 0   | 2   | 5   | 6   | 9  | 10  | 12  | 14  | 16  | 17  | 20  | 22  | 24 | 26 | 28 | 29 | 33 | 34 |
| R = 7.0 KM; OBS:  | 37   | 15   | 12  | 9   | 26  | 7   | 4   | 8   | 9   | 3  | 19  | 13  | 13  | 7   | 15  | 5   | 5   | 5  | 24 | 11 | 8  | 3  | 0  |
| JDGMT: 2 DPHI:    | -149 | -145 | -23 | -21 | -19 | -18 | -16 | -13 | -12 | -9 | -8  | -6  | -4  | -2  | 0   | 2   | 4   | 6  | 9  | 10 | 11 | 15 | 16 |
| AZ:               | 36   | 38   | 40  | 44  | 46  | 48  | 49  | 52  | 54  | 56 | 58  | 60  | 62  | 64  | 66  | 70  | 72  | 74 | 76 | 78 | 80 | 83 |    |
| OBS:              | 6    | 8    | 4   | 0   | 11  | 5   | 0   | 7   | 0   | 15 | 3   | 9   | 7   | 12  | 9   | 6   | 0   | 2  | 10 | 0  | 11 | 0  |    |
| DPHI:             | 18   | 20   | 22  | 26  | 28  | 30  | 31  | 34  | 36  | 38 | 40  | 42  | 44  | 46  | 48  | 52  | 54  | 56 | 58 | 60 | 62 | 65 |    |
| 82 8 24 11 AZ:    | 229  | 244  | 354 | 356 | 358 | 360 | 2   | 4   | 6   | 9  | 10  | 12  | 14  | 16  | 19  | 20  | 22  | 24 | 26 | 27 | 31 | 33 | 34 |
| R = 10.0 KM; OBS: | 21   | 15   | 5   | 7   | 5   | 6   | 1   | 8   | 4   | 3  | 5   | 9   | 7   | 8   | 7   | 7   | 8   | 0  | 9  | 5  | 10 | 5  | 13 |
| JDGMT: 2 DPHI:    | -149 | -134 | -24 | -22 | -20 | -18 | -16 | -14 | -12 | -9 | -8  | -6  | -4  | -1  | 1   | 2   | 4   | 6  | 9  | 10 | 13 | 15 | 16 |
| AZ:               | 36   | 39   | 41  | 43  | 45  | 47  | 49  | 51  | 53  | 55 | 58  | 59  | 60  | 63  | 63  | 66  | 68  | 71 | 73 | 74 | 77 | 79 | 80 |
| OBS:              | 5    | 8    | 6   | 10  | 7   | 5   | 15  | 0   | 3   | 8  | 9   | 11  | 5   | 4   | 6   | 6   | 4   | 1  | 7  | 5  | 7  | 1  | 5  |
| DPHI:             | 18   | 21   | 23  | 25  | 27  | 29  | 31  | 33  | 35  | 37 | 40  | 41  | 42  | 45  | 45  | 48  | 50  | 53 | 55 | 56 | 59 | 61 | 63 |
| AZ:               | 84   |      |     |     |     |     |     |     |     |    |     |     |     |     |     |     |     |    |    |    |    |    |    |

|              |       |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
|--------------|-------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|--|
|              | OBS:  | 4    |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
|              | DPHI: | 66   |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
| 82 8 24 11   | AZ:   | 333  | 351  | 354  | 358  | 7    | 10  | 15  | 19  | 23  | 26  | 30  | 34  | 37  | 42  | 47  | 50  | 54  | 58  | 62 | 66 | 70 | 75 | 78 |  |
| R = 15.0 KM; | OBS:  | 2    | 0    | 0    | 5    | 0    | 11  | 6   | 6   | 6   | 4   | 5   | 5   | 0   | 4   | 4   | 6   | 2   | 4   | 3  | 0  | 6  | 0  | 8  |  |
| JDGMT: 2     | DPHI: | -45  | -27  | -24  | -20  | -11  | -8  | -3  | 1   | 5   | 8   | 12  | 16  | 20  | 24  | 29  | 32  | 37  | 41  | 44 | 48 | 52 | 57 | 61 |  |
|              | AZ:   | 83   | 87   |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
|              | OBS:  | 8    | 7    |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
|              | DPHI: | 65   | 69   |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
| 82 8 24 11   | AZ:   | 355  | 359  | 7    | 10   | 15   | 18  | 23  | 26  | 31  | 50  | 55  | 59  | 62  | 66  | 70  | 83  | 86  |     |    |    |    |    |    |  |
| R = 20.0 KM; | OBS:  | 0    | 0    | 6    | 9    | 7    | 3   | 2   | 1   | 8   | 4   | 0   | 2   | 6   | 2   | 0   | 0   | 0   |     |    |    |    |    |    |  |
| JDGMT: 2     | DPHI: | -23  | -18  | -11  | -8   | -3   | 0   | 5   | 9   | 13  | 32  | 37  | 41  | 44  | 48  | 52  | 65  | 68  |     |    |    |    |    |    |  |
| 82 8 24 12   | AZ:   | 23   | 54   |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
| R = 0.5 KM;  | OBS:  | 20   | 28   |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
| JDGMT: 0     | DPHI: | -6   | 25   |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
| 82 8 24 12   | AZ:   | 245  | 213  |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
| R = 1.0 KM;  | OBS:  | 35   | 21   |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
| JDGMT: 0     | DPHI: | -143 | 184  |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
| 82 8 24 12   | AZ:   | 230  | 262  | 351  | 5    | 14   | 23  | 30  | 42  | 46  | 54  | 54  | 59  | 59  | 59  | 59  | 59  | 59  | 61  | 70 | 78 | 87 |    |    |  |
| R = 3.0 KM;  | OBS:  | 16   | 23   | 19   | 34   | 28   | 33  | 27  | 25  | 31  | 29  | 25  | 28  | 20  | 42  | 29  | 1   | 24  | 27  | 30 | 24 | 18 | 14 |    |  |
| JDGMT: 3     | DPHI: | -158 | -126 | -38  | -24  | -15  | -6  | 1   | 14  | 18  | 25  | 26  | 30  | 30  | 30  | 30  | 30  | 30  | 32  | 42 | 50 | 58 |    |    |  |
| 82 8 24 12   | AZ:   | 230  | 254  | 351  | 353  | 2    | 14  | 18  | 22  | 26  | 34  | 38  | 39  | 39  | 42  | 46  | 54  | 58  | 62  | 66 | 70 | 74 | 78 | 82 |  |
| R = 5.0 KM;  | OBS:  | 9    | 19   | 20   | 21   | 14   | 25  | 26  | 5   | 51  | 8   | 0   | 23  | 37  | 39  | 29  | 13  | 31  | 27  | 19 | 21 | 11 | 22 | 6  |  |
| JDGMT: 3     | DPHI: | -159 | -135 | -38  | -36  | -27  | -15 | -11 | -7  | -2  | 6   | 9   | 10  | 10  | 13  | 17  | 26  | 30  | 34  | 38 | 42 | 46 | 50 | 54 |  |
|              | AZ:   | 86   |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
|              | OBS:  | 22   |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
|              | DPHI: | 57   |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
| 82 8 24 12   | AZ:   | 229  | 233  | 355  | 357  | 358  | 0   | 2   | 5   | 6   | 9   | 10  | 12  | 14  | 16  | 17  | 20  | 22  | 24  | 26 | 28 | 29 | 33 | 34 |  |
| R = 7.0 KM;  | OBS:  | 0    | 10   | 16   | 20   | 25   | 21  | 9   | 18  | 15  | 5   | 21  | 27  | 18  | 16  | 0   | 18  | 27  | 30  | 30 | 16 | 24 | 23 | 23 |  |
| JDGMT: 2     | DPHI: | -160 | -155 | -34  | -31  | -30  | -28 | -26 | -24 | -22 | -20 | -18 | -17 | -15 | -13 | -11 | -9  | -7  | -5  | -2 | 0  | 0  | 4  | 6  |  |
|              | AZ:   | 36   | 38   | 40   | 44   | 46   | 48  | 49  | 52  | 54  | 56  | 58  | 60  | 62  | 64  | 66  | 70  | 72  | 74  | 76 | 78 | 80 | 83 |    |  |
|              | OBS:  | 19   | 22   | 21   | 35   | 15   | 23  | 1   | 20  | 4   | 15  | 29  | 18  | 42  | 26  | 16  | 23  | 14  | 13  | 22 | 5  | 39 | 12 |    |  |
|              | DPHI: | 7    | 9    | 11   | 16   | 17   | 19  | 20  | 23  | 26  | 28  | 29  | 31  | 33  | 35  | 38  | 42  | 44  | 45  | 47 | 49 | 52 | 54 |    |  |
| 82 8 24 12   | AZ:   | 229  | 233  | 235  | 240  | 244  | 354 | 356 | 358 | 360 | 2   | 4   | 6   | 9   | 10  | 12  | 14  | 16  | 19  | 20 | 22 | 24 | 26 | 27 |  |
| R = 10.0 KM; | OBS:  | 20   | 25   | 21   | 39   | 10   | 9   | 12  | 11  | 11  | 23  | 9   | 19  | 10  | 11  | 9   | 12  | 14  | 14  | 13 | 10 | 12 | 17 | 27 |  |
| JDGMT: 2     | DPHI: | -160 | -156 | -153 | -149 | -145 | -35 | -33 | -30 | -29 | -26 | -24 | -23 | -20 | -19 | -16 | -15 | -12 | -10 | -9 | -7 | -4 | -2 | -1 |  |
|              | AZ:   | 31   | 33   | 34   | 36   | 39   | 41  | 43  | 45  | 47  | 49  | 51  | 53  | 55  | 58  | 59  | 60  | 63  | 63  | 66 | 68 | 71 | 73 | 74 |  |
|              | OBS:  | 13   | 14   | 11   | 17   | 18   | 15  | 17  | 16  | 17  | 15  | 9   | 12  | 14  | 14  | 12  | 11  | 11  | 20  | 18 | 16 | 0  | 14 | 13 |  |
|              | DPHI: | 2    | 4    | 5    | 7    | 11   | 12  | 14  | 16  | 18  | 20  | 22  | 24  | 26  | 29  | 30  | 32  | 34  | 34  | 38 | 40 | 42 | 44 | 46 |  |
|              | AZ:   | 77   | 79   | 80   | 84   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |

|              |      |       |      |      |      |      |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
|--------------|------|-------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|
| OBS:         | 12   | 7     | 10   | 0    |      |      |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
| DPHI:        | 48   | 50    | 52   | 55   |      |      |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
| 82 8 24 12   | AZ:  | 234   | 333  | 351  | 354  | 358  | 2   | 7   | 10  | 15  | 19  | 23  | 26  | 30  | 34  | 37 | 42 | 47 | 50 | 54 | 58 | 62 | 66 | 70 |    |
| R = 15.0 KM; | OBS: | 31    | 6    | 0    | 0    | 3    | 7   | 0   | 4   | 4   | 7   | 8   | 9   | 7   | 14  | 7  | 11 | 9  | 12 | 11 | 11 | 12 | 6  | 8  |    |
| JDGMT:       | 2    | DPHI: | -155 | -56  | -38  | -35  | -31 | -27 | -22 | -19 | -14 | -10 | -6  | -3  | 1   | 5  | 9  | 13 | 18 | 21 | 26 | 30 | 34 | 37 | 41 |
| AZ:          | 75   | 78    | 83   | 87   |      |      |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
| OBS:         | 6    | 10    | 7    | 13   |      |      |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
| DPHI:        | 47   | 50    | 54   | 58   |      |      |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
| 82 8 24 12   | AZ:  | 355   | 359  | 2    | 7    | 10   | 15  | 18  | 23  | 26  | 31  | 35  | 41  | 42  | 47  | 50 | 55 | 59 | 62 | 66 | 70 | 83 | 86 |    |    |
| R = 20.0 KM; | OBS: | 0     | 0    | 2    | 6    | 5    | 0   | 0   | 8   | 22  | 4   | 11  | 5   | 10  | 6   | 5  | 8  | 7  | 10 | 10 | 21 | 3  | 10 |    |    |
| JDGMT:       | 3    | DPHI: | -34  | -29  | -27  | -22  | -19 | -13 | -10 | -6  | -2  | 2   | 6   | 12  | 14  | 18 | 21 | 26 | 30 | 33 | 37 | 41 | 54 | 58 |    |
| 82 8 24 13   | AZ:  | 23    | 54   |      |      |      |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
| R = 0.5 KM;  | OBS: | 8     | 0    |      |      |      |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
| JDGMT:       | 0    | DPHI: | 3    | 34   |      |      |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
| 82 8 24 13   | AZ:  | 213   | 245  |      |      |      |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
| R = 1.0 KM;  | OBS: | 5     | 7    |      |      |      |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
| JDGMT:       | 0    | DPHI: | -167 | -134 |      |      |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
| 82 8 24 13   | AZ:  | 230   | 262  | 351  | 5    | 14   | 23  | 30  | 42  | 46  | 54  | 54  | 59  | 59  | 59  | 59 | 59 | 59 | 59 | 61 | 70 | 78 | 87 |    |    |
| R = 3.0 KM;  | OBS: | 17    | 7    | 20   | 13   | 4    | 22  | 16  | 4   | 13  | 3   | 6   | 3   | 6   | 3   | 26 | 5  | 42 | 6  | 7  | 10 | 0  | 12 |    |    |
| JDGMT:       | 2    | DPHI: | -149 | -117 | -28  | -15  | -5  | 3   | 10  | 23  | 27  | 35  | 35  | 40  | 40  | 40 | 40 | 40 | 40 | 41 | 51 | 59 | 67 |    |    |
| 82 8 24 13   | AZ:  | 230   | 254  | 351  | 353  | 2    | 14  | 18  | 22  | 26  | 30  | 34  | 38  | 39  | 39  | 42 | 46 | 54 | 58 | 62 | 66 | 70 | 74 | 78 |    |
| R = 5.0 KM;  | OBS: | 11    | 9    | 13   | 15   | 14   | 13  | 0   | 11  | 32  | 19  | 32  | 77  | 106 | 94  | 39 | 25 | 4  | 5  | 3  | 3  | 2  | 11 | 5  |    |
| JDGMT:       | 3    | DPHI: | -150 | -125 | -29  | -27  | -17 | -5  | -2  | 2   | 7   | 10  | 15  | 19  | 20  | 20 | 23 | 27 | 35 | 39 | 43 | 47 | 51 | 55 | 59 |
| AZ:          | 82   | 86    |      |      |      |      |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
| OBS:         | 8    | 6     |      |      |      |      |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
| DPHI:        | 63   | 67    |      |      |      |      |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
| 82 8 24 13   | AZ:  | 229   | 233  | 244  | 355  | 357  | 358 | 0   | 2   | 5   | 6   | 9   | 10  | 12  | 14  | 16 | 17 | 20 | 22 | 24 | 26 | 28 | 29 | 33 |    |
| R = 7.0 KM;  | OBS: | 37    | 0    | 26   | 21   | 19   | 30  | 15  | 11  | 15  | 16  | 16  | 13  | 14  | 10  | 18 | 20 | 1  | 12 | 12 | 36 | 37 | 46 | 59 |    |
| JDGMT:       | 2    | DPHI: | -150 | -146 | -135 | -24  | -22 | -21 | -19 | -17 | -15 | -13 | -11 | -9  | -7  | -5 | -4 | -2 | 0  | 2  | 4  | 7  | 9  | 10 | 13 |
| AZ:          | 34   | 36    | 38   | 40   | 44   | 46   | 48  | 49  | 52  | 54  | 56  | 58  | 60  | 62  | 64  | 66 | 70 | 72 | 74 | 76 | 78 | 80 | 83 |    |    |
| OBS:         | 82   | 78    | 5    | 87   | 12   | 8    | 10  | 0   | 10  | 6   | 88  | 7   | 5   | 4   | 4   | 6  | 6  | 0  | 3  | 6  | 0  | 6  | 0  |    |    |
| DPHI:        | 15   | 17    | 18   | 20   | 25   | 26   | 29  | 30  | 33  | 35  | 37  | 39  | 41  | 42  | 45  | 47 | 51 | 53 | 55 | 57 | 59 | 61 | 63 |    |    |
| 82 8 24 13   | AZ:  | 229   | 233  | 235  | 240  | 354  | 356 | 358 | 360 | 2   | 4   | 6   | 9   | 10  | 12  | 14 | 16 | 19 | 20 | 22 | 24 | 26 | 27 | 31 |    |
| R = 10.0 KM; | OBS: | 6     | 5    | 12   | 23   | 6    | 16  | 17  | 13  | 14  | 15  | 14  | 23  | 17  | 20  | 16 | 20 | 17 | 17 | 20 | 20 | 22 | 34 | 50 |    |
| JDGMT:       | 3    | DPHI: | -151 | -146 | -144 | -139 | -26 | -24 | -21 | -19 | -17 | -15 | -14 | -10 | -10 | -7 | -5 | -3 | -1 | 1  | 3  | 5  | 7  | 8  | 11 |
| AZ:          | 33   | 34    | 36   | 39   | 41   | 43   | 45  | 47  | 49  | 51  | 53  | 55  | 58  | 59  | 60  | 63 | 63 | 66 | 68 | 71 | 73 | 74 | 77 |    |    |
| OBS:         | 63   | 73    | 94   | 87   | 65   | 48   | 9   | 16  | 28  | 0   | 13  | 13  | 11  | 11  | 10  | 2  | 8  | 8  | 7  | 4  | 6  | 6  | 7  |    |    |
| DPHI:        | 13   | 14    | 17   | 20   | 22   | 23   | 26  | 27  | 29  | 32  | 33  | 35  | 38  | 39  | 41  | 43 | 44 | 47 | 49 | 51 | 53 | 55 | 57 |    |    |
| AZ:          | 79   | 80    | 84   |      |      |      |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |



|          |          |       |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |
|----------|----------|-------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|
|          | OBS:     | 3     | 0    | 6    | 2    |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |
|          | DPHI:    | 45    | 47   | 48   | 52   |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |
| 82       | 8 24 14  | AZ:   | 229  | 230  | 233  | 234  | 237  | 240  | 333 | 351 | 354 | 358 | 2   | 7   | 10  | 15  | 19  | 23  | 26  | 30  | 34  | 37 | 42 | 47 | 50 |
| R = 15.0 | KM; OBS: | 12    | 19   | 12   | 0    | 5    | 0    | 0    | 0   | 0   | 4   | 3   | 3   | 7   | 8   | 10  | 0   | 45  | 110 | 4   | 145 | 70 | 13 | 5  |    |
| JDGMT:   | 3        | DPHI: | -164 | -162 | -160 | -158 | -155 | -152 | -59 | -41 | -38 | -34 | -30 | -25 | -22 | -17 | -13 | -9  | -6  | -2  | 2   | 5  | 10 | 15 | 18 |
|          | AZ:      | 54    | 58   | 62   | 66   | 70   | 75   | 78   | 83  | 87  |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |
|          | OBS:     | 3     | 8    | 6    | 0    | 8    | 0    | 6    | 2   | 0   |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |
|          | DPHI:    | 22    | 26   | 30   | 34   | 38   | 43   | 46   | 51  | 55  |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |
| 82       | 8 24 14  | AZ:   | 355  | 359  | 2    | 7    | 10   | 15   | 18  | 23  | 26  | 31  | 35  | 41  | 42  | 47  | 50  | 55  | 59  | 62  | 66  | 70 | 83 | 86 |    |
| R = 20.0 | KM; OBS: | 0     | 5    | 8    | 1    | 9    | 10   | 20   | 20  | 54  | 167 | 125 | 37  | 23  | 9   | 5   | 8   | 0   | 0   | 9   | 6   | 5  | 0  |    |    |
| JDGMT:   | 3        | DPHI: | -37  | -33  | -30  | -25  | -22  | -17  | -14 | -10 | -6  | -1  | 3   | 9   | 10  | 15  | 18  | 22  | 27  | 30  | 34  | 38 | 51 | 54 |    |
| 82       | 8 24 15  | AZ:   | 23   | 54   |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |
| R = 0.5  | KM; OBS: | 7     | 3    |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |
| JDGMT:   | 0        | DPHI: | -8   | 23   |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |
| 82       | 8 24 15  | AZ:   | 245  | 213  |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |
| R = 1.0  | KM; OBS: | 4     | 5    |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |
| JDGMT:   | 0        | DPHI: | -145 | 182  |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |
| 82       | 8 24 15  | AZ:   | 230  | 262  | 351  | 357  | 5    | 14   | 23  | 30  | 42  | 46  | 54  | 54  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 61 | 70 | 78 | 87 |
| R = 3.0  | KM; OBS: | 0     | 8    | 6    | 0    | 12   | 9    | 7    | 8   | 8   | 13  | 10  | 18  | 8   | 26  | 29  | 25  | 26  | 30  | 11  | 13  | 13 | 13 | 6  |    |
| JDGMT:   | 3        | DPHI: | -160 | -128 | -40  | -34  | -26  | -16  | -8  | -1  | 12  | 16  | 23  | 24  | 28  | 28  | 28  | 28  | 28  | 28  | 28  | 30 | 40 | 48 | 56 |
| 82       | 8 24 15  | AZ:   | 230  | 254  | 351  | 353  | 0    | 2    | 7   | 10  | 14  | 18  | 22  | 26  | 30  | 34  | 38  | 39  | 39  | 42  | 46  | 54 | 58 | 62 | 66 |
| R = 5.0  | KM; OBS: | 8     | 9    | 7    | 4    | 9    | 7    | 4    | 9   | 5   | 4   | 5   | 14  | 9   | 7   | 18  | 24  | 33  | 16  | 31  | 17  | 6  | 8  | 0  |    |
| JDGMT:   | 3        | DPHI: | -161 | -137 | -40  | -38  | -30  | -28  | -24 | -21 | -17 | -13 | -9  | -4  | -1  | 4   | 7   | 8   | 8   | 11  | 15  | 24 | 28 | 32 | 36 |
|          | AZ:      | 70    | 74   | 78   | 82   | 86   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |
|          | OBS:     | 6     | 2    | 4    | 10   | 5    |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |
|          | DPHI:    | 40    | 44   | 48   | 52   | 55   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |
| 82       | 8 24 15  | AZ:   | 229  | 233  | 355  | 357  | 358  | 0    | 2   | 5   | 6   | 9   | 10  | 12  | 14  | 16  | 17  | 20  | 22  | 24  | 26  | 28 | 29 | 33 | 34 |
| R = 7.0  | KM; OBS: | 17    | 0    | 6    | 5    | 1    | 5    | 0    | 3   | 0   | 9   | 6   | 12  | 0   | 8   | 9   | 0   | 5   | 5   | 11  | 17  | 10 | 17 | 23 |    |
| JDGMT:   | 3        | DPHI: | -162 | -157 | -35  | -33  | -32  | -30  | -28 | -26 | -24 | -22 | -20 | -18 | -16 | -15 | -13 | -11 | -9  | -7  | -4  | -2 | -2 | 2  | 4  |
|          | AZ:      | 36    | 38   | 40   | 44   | 46   | 48   | 49   | 52  | 54  | 56  | 58  | 60  | 62  | 64  | 66  | 70  | 72  | 74  | 76  | 78  | 80 | 83 |    |    |
|          | OBS:     | 13    | 18   | 29   | 23   | 23   | 54   | 25   | 23  | 19  | 28  | 14  | 12  | 10  | 3   | 4   | 7   | 4   | 2   | 6   | 0   | 0  | 0  |    |    |
|          | DPHI:    | 5     | 7    | 9    | 14   | 15   | 17   | 19   | 21  | 24  | 26  | 27  | 29  | 31  | 33  | 36  | 40  | 42  | 43  | 45  | 47  | 50 | 52 |    |    |
| 82       | 8 24 15  | AZ:   | 229  | 233  | 235  | 240  | 244  | 354  | 356 | 358 | 360 | 2   | 4   | 6   | 9   | 10  | 12  | 14  | 16  | 19  | 20  | 22 | 24 | 26 | 27 |
| R = 10.0 | KM; OBS: | 14    | 10   | 0    | 6    | 7    | 0    | 1    | 0   | 3   | 1   | 4   | 8   | 0   | 6   | 2   | 8   | 8   | 14  | 7   | 10  | 2  | 9  | 5  |    |
| JDGMT:   | 3        | DPHI: | -162 | -158 | -155 | -151 | -147 | -37  | -35 | -32 | -31 | -28 | -26 | -25 | -22 | -21 | -18 | -16 | -14 | -12 | -11 | -9 | -6 | -4 | -3 |
|          | AZ:      | 31    | 33   | 34   | 36   | 39   | 41   | 43   | 45  | 47  | 49  | 51  | 53  | 55  | 58  | 59  | 60  | 63  | 63  | 66  | 68  | 71 | 73 | 74 |    |
|          | OBS:     | 22    | 18   | 16   | 33   | 35   | 76   | 77   | 58  | 87  | 96  | 26  | 18  | 20  | 7   | 7   | 5   | 3   | 7   | 0   | 6   | 0  | 7  | 4  |    |
|          | DPHI:    | 0     | 2    | 3    | 5    | 9    | 10   | 12   | 14  | 16  | 18  | 20  | 22  | 24  | 27  | 28  | 30  | 32  | 32  | 36  | 38  | 40 | 42 | 44 |    |
|          | AZ:      | 77    | 79   | 80   | 84   |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |



|              |       |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |    |  |  |  |  |
|--------------|-------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|-----|-----|-----|-----|----|--|--|--|--|
|              | OBS:  | 7    | 0    | 1    | 3    |      |      |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |    |  |  |  |  |
|              | DPHI: | 46   | 48   | 50   | 53   |      |      |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |    |  |  |  |  |
| 82 8 24 15   | AZ:   | 229  | 230  | 233  | 234  | 237  | 240  | 333 | 351 | 354 | 358 | 2   | 7   | 10  | 15  | 19  | 23  | 26 | 30 | 34  | 37  | 42  | 47  | 50 |  |  |  |  |
| R = 15.0 KM; | OBS:  | 36   | 90   | 3    | 0    | 0    | 3    | 12  | 0   | 0   | 3   | 3   | 5   | 0   | 11  | 11  | 10  | 13 | 67 | 107 | 155 | 107 | 123 | 47 |  |  |  |  |
| JDGMT: 3     | DPHI: | -162 | -161 | -158 | -157 | -154 | -151 | -57 | -40 | -37 | -32 | -29 | -24 | -21 | -16 | -12 | -8  | -5 | -1 | 3   | 7   | 11  | 16  | 19 |  |  |  |  |
|              | AZ:   | 54   | 58   | 62   | 66   | 70   | 75   | 78  | 83  | 87  |     |     |     |     |     |     |     |    |    |     |     |     |     |    |  |  |  |  |
|              | OBS:  | 0    | 4    | 2    | 0    | 6    | 0    | 3   | 6   | 0   |     |     |     |     |     |     |     |    |    |     |     |     |     |    |  |  |  |  |
|              | DPHI: | 24   | 28   | 32   | 35   | 39   | 45   | 48  | 52  | 56  |     |     |     |     |     |     |     |    |    |     |     |     |     |    |  |  |  |  |
| 82 8 24 15   | AZ:   | 355  | 359  | 2    | 7    | 10   | 15   | 18  | 23  | 26  | 31  | 35  | 41  | 42  | 47  | 50  | 55  | 59 | 62 | 66  | 70  | 83  | 86  |    |  |  |  |  |
| R = 20.0 KM; | OBS:  | 0    | 0    | 2    | 2    | 1    | 12   | 7   | 11  | 18  | 16  | 169 | 179 | 173 | 88  | 43  | 0   | 4  | 0  | 0   | 0   | 0   | 0   |    |  |  |  |  |
| JDGMT: 3     | DPHI: | -36  | -31  | -29  | -24  | -21  | -15  | -12 | -8  | -4  | 0   | 4   | 10  | 12  | 16  | 20  | 24  | 28 | 31 | 35  | 39  | 52  | 56  |    |  |  |  |  |
| 82 8 24 16   | AZ:   | 23   | 54   |      |      |      |      |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |    |  |  |  |  |
| R = 0.5 KM;  | OBS:  | 8    | 9    |      |      |      |      |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |    |  |  |  |  |
| JDGMT: 0     | DPHI: | -2   | 29   |      |      |      |      |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |    |  |  |  |  |
| 82 8 24 16   | AZ:   | 245  | 213  |      |      |      |      |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |    |  |  |  |  |
| R = 1.0 KM;  | OBS:  | 11   | 5    |      |      |      |      |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |    |  |  |  |  |
| JDGMT: 0     | DPHI: | -140 | 187  |      |      |      |      |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |    |  |  |  |  |
| 82 8 24 16   | AZ:   | 230  | 262  | 351  | 357  | 5    | 14   | 23  | 30  | 42  | 46  | 54  | 54  | 59  | 59  | 59  | 59  | 59 | 59 | 59  | 61  | 70  | 78  | 87 |  |  |  |  |
| R = 3.0 KM;  | OBS:  | 9    | 0    | 0    | 0    | 0    | 5    | 20  | 9   | 13  | 10  | 11  | 7   | 0   | 5   | 6   | 2   | 2  | 6  | 11  | 8   | 0   | 3   | 3  |  |  |  |  |
| JDGMT: 2     | DPHI: | -155 | -123 | -34  | -29  | -20  | -11  | -3  | 4   | 17  | 21  | 29  | 29  | 34  | 34  | 34  | 34  | 34 | 34 | 34  | 35  | 45  | 53  | 62 |  |  |  |  |
| 82 8 24 16   | AZ:   | 230  | 254  | 351  | 353  | 0    | 2    | 7   | 10  | 14  | 18  | 22  | 26  | 30  | 34  | 38  | 39  | 39 | 42 | 46  | 54  | 58  | 62  | 66 |  |  |  |  |
| R = 5.0 KM;  | OBS:  | 0    | 0    | 1    | 0    | 0    | 1    | 5   | 3   | 5   | 5   | 2   | 11  | 10  | 32  | 28  | 36  | 34 | 22 | 12  | 4   | 12  | 6   | 0  |  |  |  |  |
| JDGMT: 3     | DPHI: | -155 | -131 | -34  | -33  | -25  | -23  | -18 | -15 | -11 | -7  | -4  | 1   | 5   | 9   | 13  | 14  | 14 | 17 | 21  | 29  | 33  | 37  | 41 |  |  |  |  |
|              | AZ:   | 70   | 74   | 78   | 82   | 86   |      |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |    |  |  |  |  |
|              | OBS:  | 10   | 6    | 7    | 0    | 6    |      |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |    |  |  |  |  |
|              | DPHI: | 45   | 49   | 53   | 57   | 61   |      |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |    |  |  |  |  |
| 82 8 24 16   | AZ:   | 229  | 233  | 355  | 357  | 358  | 0    | 2   | 5   | 6   | 9   | 10  | 12  | 14  | 16  | 17  | 20  | 22 | 24 | 26  | 28  | 29  | 33  | 34 |  |  |  |  |
| R = 7.0 KM;  | OBS:  | 16   | 8    | 1    | 0    | 19   | 3    | 0   | 4   | 2   | 0   | 18  | 4   | 0   | 3   | 0   | 0   | 12 | 6  | 0   | 24  | 49  | 40  |    |  |  |  |  |
| JDGMT: 3     | DPHI: | -156 | -152 | -30  | -28  | -27  | -25  | -23 | -21 | -19 | -17 | -15 | -13 | -11 | -9  | -8  | -5  | -3 | -2 | 1   | 3   | 4   | 8   | 9  |  |  |  |  |
|              | AZ:   | 36   | 38   | 40   | 44   | 46   | 48   | 49  | 52  | 54  | 56  | 58  | 60  | 62  | 64  | 66  | 70  | 72 | 74 | 76  | 78  | 80  | 83  |    |  |  |  |  |
|              | OBS:  | 69   | 65   | 44   | 22   | 16   | 18   | 8   | 11  | 15  | 1   | 11  | 6   | 6   | 6   | 3   | 6   | 3  | 0  | 0   | 0   | 3   | 1   |    |  |  |  |  |
|              | DPHI: | 11   | 13   | 14   | 19   | 21   | 23   | 24  | 27  | 29  | 31  | 33  | 35  | 37  | 39  | 41  | 45  | 47 | 49 | 51  | 53  | 55  | 57  |    |  |  |  |  |
| 82 8 24 16   | AZ:   | 229  | 233  | 235  | 240  | 244  | 354  | 356 | 358 | 360 | 2   | 4   | 6   | 9   | 10  | 12  | 14  | 16 | 19 | 20  | 22  | 24  | 26  | 27 |  |  |  |  |
| R = 10.0 KM; | OBS:  | 7    | 0    | 8    | 22   | 9    | 5    | 6   | 0   | 3   | 6   | 0   | 0   | 0   | 6   | 0   | 6   | 0  | 3  | 2   | 5   | 6   | 8   |    |  |  |  |  |
| JDGMT: 3     | DPHI: | -157 | -152 | -150 | -145 | -141 | -32  | -30 | -27 | -25 | -23 | -21 | -20 | -16 | -15 | -13 | -11 | -9 | -7 | -5  | -3  | -1  | 1   | 2  |  |  |  |  |
|              | AZ:   | 31   | 33   | 34   | 36   | 39   | 41   | 43  | 45  | 47  | 49  | 51  | 53  | 55  | 58  | 59  | 60  | 63 | 63 | 66  | 68  | 71  | 73  | 74 |  |  |  |  |
|              | OBS:  | 13   | 26   | 26   | 69   | 73   | 85   | 62  | 9   | 33  | 19  | 0   | 12  | 8   | 7   | 4   | 5   | 4  | 9  | 6   | 6   | 0   | 1   | 2  |  |  |  |  |
|              | DPHI: | 5    | 7    | 9    | 11   | 14   | 16   | 17  | 20  | 21  | 23  | 26  | 28  | 29  | 32  | 34  | 35  | 37 | 38 | 41  | 43  | 45  | 47  | 49 |  |  |  |  |
|              | AZ:   | 77   | 79   | 80   | 84   |      |      |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |    |  |  |  |  |

OBS: 0 0 4 0  
 DPHI: 52 54 55 58

82 8 24 16 AZ: 229 230 233 234 237 240 333 351 354 358 2 7 10 15 19 23 26 30 34 37 42 47 50  
 R = 15.0 KM; OBS: 32 74 16 18 11 11 10 0 0 3 0 0 0 2 6 4 8 36 50 126 103 54 30  
 JDGMT: 3 DPHI: -157 -156 -153 -151 -148 -145 -52 -35 -31 -27 -23 -19 -15 -11 -6 -2 0 5 9 12 17 22 25

AZ: 54 58 62 66 70 75 78 83 87  
 OBS: 11 6 6 0 0 0 3 3 7  
 DPHI: 29 33 37 41 45 50 53 58 61

82 8 24 16 AZ: 355 359 2 7 10 15 18 23 26 31 35 41 42 47 50 55 59 62 66 70 83 86  
 R = 20.0 KM; OBS: 0 0 7 2 13 0 3 2 50 113 151 114 112 84 43 24 23 8 0 1 0 0  
 JDGMT: 3 DPHI: -30 -26 -23 -18 -15 -10 -7 -3 1 5 9 16 17 22 25 29 34 37 41 45 57 61

82 8 24 17 AZ: 23 54  
 R = 0.5 KM; OBS: 5 0  
 JDGMT: 0 DPHI: -34 -3

82 8 24 17 AZ: 245 213  
 R = 1.0 KM; OBS: 0 6  
 JDGMT: 0 DPHI: -172 156

82 8 24 17 AZ: 262 351 357 5 14 23 30 42 46 54 54 59 59 59 59 59 59 59 61 70 78 87 230  
 R = 3.0 KM; OBS: 6 7 13 4 2 0 4 19 51 84 98 203 219 219 226 115 198 219 13 11 0 8 0  
 JDGMT: 3 DPHI: -155 -66 -60 -52 -43 -35 -28 -15 -11 -3 -3 2 2 2 2 2 2 3 13 21 30 173

82 8 24 17 AZ: 254 351 353 0 2 7 10 14 18 22 26 30 34 38 39 39 42 46 54 58 62 66 70  
 R = 5.0 KM; OBS: 6 4 2 0 2 0 15 0 8 0 15 3 0 5 14 22 38 48 223 273 157 62 4  
 JDGMT: 3 DPHI: -163 -66 -65 -57 -55 -50 -47 -43 -39 -35 -31 -27 -23 -19 -18 -18 -15 -11 -3 1 5 9 13

AZ: 74 78 82 86 230  
 OBS: 0 0 5 0 5  
 DPHI: 17 21 25 29 173

82 8 24 17 AZ: 355 357 358 0 2 5 6 9 10 12 14 16 17 20 22 24 26 28 29 33 34 36 38  
 R = 7.0 KM; OBS: 5 0 3 0 5 0 4 10 4 0 0 3 5 0 0 3 0 4 5 13 29 5  
 JDGMT: 3 DPHI: -62 -60 -59 -57 -55 -53 -51 -49 -47 -45 -43 -41 -40 -37 -35 -34 -31 -29 -28 -24 -23 -21 -19

AZ: 40 44 46 48 49 52 54 56 58 60 62 64 66 70 72 74 76 78 80 83 229 233  
 OBS: 18 53 41 98 148 216 280 258 278 106 66 9 23 22 0 0 0 2 0 12 0  
 DPHI: -17 -13 -11 -9 -8 -5 -3 -1 1 3 5 7 9 13 15 17 19 21 23 26 172 176

82 8 24 17 AZ: 235 240 244 354 356 358 360 2 4 6 9 10 12 14 16 19 20 22 24 26 27 31 33  
 R = 10.0 KM; OBS: 16 4 3 0 4 0 3 1 3 0 0 0 0 4 0 0 0 3 0 18 18  
 JDGMT: 3 DPHI: -182 -177 -173 -64 -62 -59 -57 -55 -53 -52 -48 -47 -45 -43 -41 -39 -37 -35 -33 -31 -30 -26 -24

AZ: 34 36 39 41 43 45 47 49 51 53 55 58 59 60 63 63 66 68 71 73 74 77 79  
 OBS: 20 23 15 18 13 17 19 45 105 173 101 145 159 158 144 5 64 73 123 118 43 22 0  
 DPHI: -23 -21 -18 -16 -15 -12 -10 -8 -6 -4 -3 0 2 3 5 6 9 11 14 16 17 20 22

AZ: 80 84 229 233

|                   |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |
|-------------------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|--|--|--|--|--|--|--|--|--|--|--|
| OBS:              | 0    | 0    | 12   | 24   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |
| DPHI:             | 23   | 27   | 172  | 176  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |
|                   |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |
| 82 8 24 17 AZ:    | 234  | 237  | 240  | 333  | 351 | 354 | 358 | 2   | 7   | 10  | 15  | 19  | 23  | 26  | 30  | 34  | 37  | 42  | 47  | 50  | 54  | 58  | 62  |    |  |  |  |  |  |  |  |  |  |  |  |
| R = 15.0 KM; OBS: | 25   | 14   | 0    | 6    | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 3   | 8   | 15  | 34  | 72  | 70  | 47  | 30  | 66  | 70  | 90  |    |  |  |  |  |  |  |  |  |  |  |  |
| JDGMT: 3 DPHI:    | -183 | -180 | -177 | -84  | -66 | -63 | -59 | -55 | -50 | -47 | -43 | -38 | -34 | -32 | -27 | -23 | -20 | -15 | -10 | -7  | -3  | 1   | 5   |    |  |  |  |  |  |  |  |  |  |  |  |
|                   |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |
| AZ:               | 66   | 70   | 75   | 78   | 83  | 87  | 229 | 230 | 233 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |
| OBS:              | 66   | 141  | 66   | 35   | 3   | 0   | 14  | 25  | 85  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |
| DPHI:             | 9    | 13   | 18   | 21   | 26  | 29  | 171 | 173 | 175 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |
|                   |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |
| 82 8 24 17 AZ:    | 355  | 359  | 2    | 7    | 10  | 15  | 18  | 23  | 26  | 31  | 35  | 41  | 42  | 47  | 50  | 55  | 59  | 62  | 66  | 70  | 83  | 86  |     |    |  |  |  |  |  |  |  |  |  |  |  |
| R = 20.0 KM; OBS: | 0    | 0    | 3    | 1    | 1   | 2   | 0   | 6   | 166 | 17  | 41  | 88  | 82  | 83  | 70  | 72  | 48  | 44  | 49  | 52  | 0   | 0   |     |    |  |  |  |  |  |  |  |  |  |  |  |
| JDGMT: 3 DPHI:    | -62  | -58  | -55  | -50  | -47 | -42 | -39 | -35 | -31 | -27 | -23 | -16 | -15 | -10 | -7  | -3  | 2   | 5   | 9   | 13  | 25  | 29  |     |    |  |  |  |  |  |  |  |  |  |  |  |
|                   |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |
| 82 8 24 18 AZ:    | 23   | 54   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |
| R = 0.5 KM; OBS:  | 4    | 2    |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |
| JDGMT: 0 DPHI:    | -25  | 6    |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |
|                   |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |
| 82 8 24 18 AZ:    | 245  | 213  |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |
| R = 1.0 KM; OBS:  | 4    | 4    |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |
| JDGMT: 0 DPHI:    | -162 | 165  |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |
|                   |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |
| 82 8 24 18 AZ:    | 230  | 262  | 351  | 357  | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 54  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 61  | 70  | 78  | 87 |  |  |  |  |  |  |  |  |  |  |  |
| R = 3.0 KM; OBS:  | 4    | 0    | 0    | 10   | 3   | 18  | 8   | 95  | 118 | 81  | 69  | 68  | 49  | 65  | 47  | 48  | 53  | 60  | 41  | 0   | 2   | 0   |     |    |  |  |  |  |  |  |  |  |  |  |  |
| JDGMT: 3 DPHI:    | -177 | -145 | -56  | -51  | -42 | -33 | -25 | -18 | -5  | -1  | 7   | 7   | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 13  | 23  | 31  | 39 |  |  |  |  |  |  |  |  |  |  |  |
|                   |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |
| 82 8 24 18 AZ:    | 254  | 351  | 353  | 0    | 2   | 7   | 10  | 14  | 18  | 22  | 26  | 30  | 34  | 38  | 39  | 39  | 42  | 46  | 54  | 58  | 62  | 66  | 70  |    |  |  |  |  |  |  |  |  |  |  |  |
| R = 5.0 KM; OBS:  | 11   | 0    | 1    | 0    | 5   | 2   | 16  | 0   | 7   | 0   | 2   | 3   | 8   | 97  | 168 | 175 | 210 | 247 | 108 | 73  | 44  | 14  | 6   |    |  |  |  |  |  |  |  |  |  |  |  |
| JDGMT: 3 DPHI:    | -153 | -57  | -55  | -47  | -45 | -40 | -38 | -33 | -30 | -26 | -21 | -17 | -13 | -9  | -8  | -8  | -5  | -1  | 7   | 11  | 15  | 19  | 23  |    |  |  |  |  |  |  |  |  |  |  |  |
|                   |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |
| AZ:               | 74   | 78   | 82   | 86   | 230 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |
| OBS:              | 0    | 5    | 0    | 4    | 10  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |
| DPHI:             | 27   | 31   | 35   | 39   | 183 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |
|                   |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |
| 82 8 24 18 AZ:    | 233  | 355  | 357  | 358  | 0   | 2   | 5   | 6   | 9   | 10  | 12  | 14  | 16  | 17  | 20  | 22  | 24  | 26  | 28  | 29  | 33  | 34  | 36  |    |  |  |  |  |  |  |  |  |  |  |  |
| R = 7.0 KM; OBS:  | 0    | 0    | 5    | 18   | 0   | 0   | 5   | 0   | 8   | 17  | 4   | 0   | 5   | 0   | 0   | 0   | 0   | 2   | 9   | 4   | 12  | 16  | 12  |    |  |  |  |  |  |  |  |  |  |  |  |
| JDGMT: 3 DPHI:    | -174 | -52  | -50  | -49  | -47 | -45 | -43 | -41 | -39 | -37 | -35 | -33 | -32 | -30 | -28 | -25 | -24 | -21 | -19 | -18 | -15 | -13 | -11 |    |  |  |  |  |  |  |  |  |  |  |  |
|                   |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |
| AZ:               | 38   | 40   | 44   | 46   | 48  | 49  | 52  | 54  | 56  | 58  | 60  | 62  | 64  | 66  | 70  | 72  | 74  | 76  | 78  | 80  | 83  | 229 |     |    |  |  |  |  |  |  |  |  |  |  |  |
| OBS:              | 18   | 30   | 242  | 244  | 71  | 298 | 182 | 172 | 141 | 131 | 27  | 16  | 0   | 2   | 2   | 0   | 0   | 3   | 0   | 4   | 0   | 5   |     |    |  |  |  |  |  |  |  |  |  |  |  |
| DPHI:             | -9   | -8   | -3   | -2   | 1   | 2   | 5   | 7   | 9   | 11  | 13  | 14  | 17  | 19  | 23  | 25  | 27  | 29  | 31  | 33  | 35  | 182 |     |    |  |  |  |  |  |  |  |  |  |  |  |
|                   |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |
| 82 8 24 18 AZ:    | 233  | 235  | 240  | 244  | 354 | 356 | 358 | 360 | 2   | 4   | 6   | 9   | 10  | 14  | 16  | 19  | 20  | 22  | 24  | 26  | 27  | 31  | 33  |    |  |  |  |  |  |  |  |  |  |  |  |
| R = 10.0 KM; OBS: | 0    | 19   | 31   | 0    | 0   | 2   | 0   | 0   | 10  | 0   | 0   | 0   | 0   | 3   | 2   | 0   | 3   | 3   | 3   | 4   | 8   | 0   | 4   |    |  |  |  |  |  |  |  |  |  |  |  |
| JDGMT: 3 DPHI:    | -174 | -172 | -167 | -163 | -54 | -52 | -49 | -47 | -45 | -43 | -42 | -38 | -37 | -33 | -31 | -29 | -27 | -25 | -23 | -21 | -20 | -17 | -15 |    |  |  |  |  |  |  |  |  |  |  |  |
|                   |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |
| AZ:               | 34   | 36   | 39   | 41   | 43  | 45  | 47  | 49  | 51  | 53  | 55  | 58  | 59  | 60  | 63  | 63  | 66  | 68  | 71  | 73  | 74  | 77  | 79  |    |  |  |  |  |  |  |  |  |  |  |  |
| OBS:              | 5    | 20   | 45   | 57   | 64  | 42  | 149 | 285 | 285 | 260 | 276 | 95  | 78  | 64  | 15  | 12  | 6   | 6   | 17  | 10  | 7   | 3   | 8   |    |  |  |  |  |  |  |  |  |  |  |  |
| DPHI:             | -13  | -11  | -8   | -6   | -5  | -2  | -1  | 1   | 4   | 6   | 7   | 10  | 11  | 13  | 15  | 16  | 19  | 21  | 23  | 25  | 27  | 30  | 32  |    |  |  |  |  |  |  |  |  |  |  |  |
|                   |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |
| AZ:               | 80   | 84   | 229  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |

|        |      |       |       |     |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|--------|------|-------|-------|-----|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
|        |      | OBS:  | 8     | 3   | 6    |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        |      | DPHI: | 33    | 36  | 181  |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        |      |       |       |     |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82     | 8    | 24    | 18    | AZ: | 233  | 234  | 237  | 240  | 333  | 351 | 354 | 358 | 2   | 7   | 10  | 15  | 19  | 23  | 26  | 30  | 34  | 37  | 42  | 47  | 50  | 54  | 58  |  |
| R =    | 15.0 | KM;   | OBS:  |     | 37   | 15   | 5    | 0    | 0    | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 4   | 0   | 7   | 20  | 140 | 5   | 193 | 127 |  |
| JDGMT: | 3    |       | DPHI: |     | -175 | -173 | -171 | -167 | -74  | -57 | -53 | -49 | -45 | -41 | -37 | -33 | -28 | -24 | -22 | -18 | -13 | -10 | -6  | -1  | 3   | 7   | 11  |  |
|        |      |       |       |     |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        |      | AZ:   | 62    | 66  | 70   | 75   | 78   | 83   | 87   | 229 | 230 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        |      | OBS:  | 109   | 67  | 21   | 0    | 4    | 4    | 0    | 0   | 4   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        |      | DPHI: | 15    | 19  | 23   | 28   | 31   | 35   | 39   | 181 | 182 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        |      |       |       |     |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82     | 8    | 24    | 18    | AZ: | 355  | 359  | 2    | 7    | 10   | 15  | 18  | 23  | 26  | 31  | 35  | 41  | 42  | 47  | 50  | 55  | 59  | 62  | 66  | 70  | 83  | 86  |     |  |
| R =    | 20.0 | KM;   | OBS:  |     | 0    | 0    | 2    | 0    | 5    | 0   | 0   | 0   | 219 | 1   | 7   | 5   | 18  | 80  | 125 | 125 | 116 | 122 | 87  | 14  | 0   | 0   |     |  |
| JDGMT: | 2    |       | DPHI: |     | -53  | -48  | -45  | -40  | -38  | -32 | -29 | -25 | -21 | -17 | -13 | -6  | -5  | -1  | 3   | 7   | 12  | 15  | 19  | 22  | 35  | 39  |     |  |
|        |      |       |       |     |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82     | 8    | 24    | 19    | AZ: | 23   | 54   |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| R =    | 0.5  | KM;   | OBS:  |     | 6    | 3    |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| JDGMT: | 0    |       | DPHI: |     | -15  | 16   |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        |      |       |       |     |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82     | 8    | 24    | 19    | AZ: | 245  | 213  |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| R =    | 1.0  | KM;   | OBS:  |     | 12   | 4    |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| JDGMT: | 0    |       | DPHI: |     | -152 | 175  |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        |      |       |       |     |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82     | 8    | 24    | 19    | AZ: | 230  | 262  | 351  | 357  | 5    | 14  | 23  | 30  | 42  | 46  | 54  | 54  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 61  | 70  | 78  | 87  |  |
| R =    | 3.0  | KM;   | OBS:  |     | 10   | 6    | 0    | 7    | 4    | 9   | 27  | 74  | 38  | 34  | 0   | 13  | 11  | 8   | 21  | 0   | 7   | 12  | 8   | 7   | 8   | 8   | 0   |  |
| JDGMT: | 3    |       | DPHI: |     | -167 | -135 | -46  | -41  | -32  | -23 | -15 | -8  | 5   | 9   | 17  | 17  | 22  | 22  | 22  | 22  | 22  | 22  | 22  | 23  | 33  | 41  | 49  |  |
|        |      |       |       |     |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82     | 8    | 24    | 19    | AZ: | 230  | 254  | 351  | 353  | 0    | 2   | 7   | 10  | 14  | 18  | 22  | 26  | 30  | 34  | 38  | 39  | 39  | 42  | 46  | 54  | 58  | 62  | 66  |  |
| R =    | 5.0  | KM;   | OBS:  |     | 5    | 7    | 0    | 6    | 23   | 1   | 6   | 0   | 6   | 0   | 6   | 9   | 55  | 148 | 208 | 216 | 198 | 192 | 98  | 9   | 4   | 2   | 2   |  |
| JDGMT: | 3    |       | DPHI: |     | -167 | -143 | -47  | -45  | -37  | -35 | -30 | -28 | -23 | -20 | -16 | -11 | -7  | -3  | 1   | 2   | 2   | 5   | 9   | 17  | 21  | 25  | 29  |  |
|        |      |       |       |     |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        |      | AZ:   | 70    | 74  | 78   | 82   | 86   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        |      | OBS:  | 3     | 6   | 5    | 7    | 5    |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        |      | DPHI: | 33    | 37  | 41   | 45   | 49   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        |      |       |       |     |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82     | 8    | 24    | 19    | AZ: | 229  | 233  | 355  | 357  | 358  | 0   | 2   | 5   | 6   | 9   | 10  | 12  | 14  | 16  | 17  | 20  | 22  | 24  | 26  | 28  | 29  | 33  | 34  |  |
| R =    | 7.0  | KM;   | OBS:  |     | 16   | 0    | 4    | 3    | 12   | 5   | 0   | 4   | 4   | 3   | 3   | 6   | 3   | 7   | 4   | 4   | 0   | 4   | 8   | 0   | 17  | 139 | 214 |  |
| JDGMT: | 3    |       | DPHI: |     | -168 | -164 | -42  | -40  | -39  | -37 | -35 | -33 | -31 | -29 | -27 | -25 | -23 | -22 | -20 | -18 | -15 | -14 | -11 | -9  | -8  | -5  | -3  |  |
|        |      |       |       |     |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        |      | AZ:   | 36    | 38  | 40   | 44   | 46   | 48   | 49   | 52  | 54  | 56  | 58  | 60  | 62  | 64  | 66  | 70  | 72  | 74  | 76  | 78  | 80  | 83  |     |     |     |  |
|        |      | OBS:  | 213   | 237 | 218  | 181  | 128  | 6    | 87   | 31  | 21  | 23  | 22  | 4   | 0   | 0   | 0   | 3   | 0   | 0   | 5   | 0   | 11  | 0   |     |     |     |  |
|        |      | DPHI: | -1    | 1   | 2    | 7    | 8    | 11   | 12   | 15  | 17  | 19  | 21  | 23  | 24  | 27  | 29  | 33  | 35  | 37  | 39  | 41  | 43  | 45  |     |     |     |  |
|        |      |       |       |     |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82     | 8    | 24    | 19    | AZ: | 229  | 233  | 235  | 240  | 244  | 354 | 356 | 358 | 360 | 2   | 4   | 6   | 9   | 10  | 12  | 14  | 16  | 19  | 20  | 22  | 24  | 26  | 27  |  |
| R =    | 10.0 | KM;   | OBS:  |     | 4    | 7    | 7    | 10   | 16   | 0   | 2   | 0   | 2   | 2   | 3   | 0   | 0   | 5   | 0   | 0   | 9   | 0   | 5   | 4   | 3   | 6   | 21  |  |
| JDGMT: | 3    |       | DPHI: |     | -169 | -164 | -162 | -157 | -153 | -44 | -42 | -39 | -37 | -35 | -33 | -32 | -28 | -27 | -25 | -23 | -21 | -19 | -17 | -15 | -13 | -11 | -10 |  |
|        |      |       |       |     |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        |      | AZ:   | 31    | 33  | 34   | 36   | 39   | 41   | 43   | 45  | 47  | 49  | 51  | 53  | 55  | 58  | 59  | 60  | 63  | 63  | 66  | 68  | 71  | 73  | 74  |     |     |  |
|        |      | OBS:  | 53    | 67  | 57   | 132  | 227  | 204  | 187  | 165 | 216 | 170 | 96  | 64  | 61  | 10  | 7   | 2   | 2   | 4   | 5   | 3   | 0   | 57  | 7   |     |     |  |
|        |      | DPHI: | -7    | -5  | -3   | -1   | 2    | 4    | 5    | 8   | 9   | 11  | 14  | 16  | 17  | 20  | 21  | 23  | 25  | 26  | 29  | 31  | 33  | 35  | 37  |     |     |  |
|        |      |       |       |     |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        |      | AZ:   | 77    | 79  | 80   | 84   |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |



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R = 15.0 KM; OBS: 15 10 0 1 2 10 77 138 23 7 0 1 41 62 2
JDGMT: 3 DPHI: -37 -30 -25 -20 -13 -6 0 5 12 18 23 29 42 47 59

82 9 22 12 AZ: 110 113 118 125 134 141 150 154 157 173 180 195 204 211 220 227 235 243 252 260 268 277 304
R = 0.5 KM; OBS: 5 26 3 0 7 6 0 5 1 0 0 1 2 8 1 0 4 0 5 4 6 9 0
JDGMT: 2 DPHI: -67 -64 -59 -52 -43 -36 -27 -23 -20 -4 3 18 27 34 43 50 58 66 75 83 91 100 127

AZ: 350
OBS: 1
DPHI: 173

82 9 22 12 AZ: 30 60 109 118 126 141 149 157 165 173 181 189 197 205 213 222 228 236 245 253 261 268 277
R = 1.0 KM; OBS: 0 0 8 1 0 4 2 52 78 60 9 6 12 29 102 35 9 2 3 2 5 7 4
JDGMT: 3 DPHI: -147 -117 -68 -59 -51 -36 -28 -20 -12 -4 4 12 20 28 36 45 51 59 68 76 84 91 100

82 9 22 12 AZ: 10 58 94 97 106 110 114 117 122 126 130 134 138 142 149 153 158 161 166 170 174 178 183
R = 2.0 KM; OBS: 1 1 2 3 1 2 8 0 0 0 1 2 5 12 32 60 77 85 41 164 215 221 40
JDGMT: 3 DPHI: -167 -119 -83 -80 -71 -67 -63 -60 -55 -51 -47 -43 -39 -35 -28 -24 -19 -16 -11 -7 -3 1 6

AZ: 187 191 209 217 221 225 228 233 238 241 246 249 252 257 262 264 268 322
OBS: 30 43 130 101 35 4 0 1 4 2 0 0 0 16 0 2 1
DPHI: 10 14 32 40 44 48 51 56 61 64 69 72 75 80 85 87 91 145

82 9 22 12 AZ: 78 87 94 102 110 118 126 139 142 150 158 166 174 182 230 238 262 271
R = 3.0 KM; OBS: 12 0 1 5 3 4 0 0 4 43 42 156 374 232 0 2 2 0
JDGMT: 3 DPHI: -99 -90 -83 -75 -67 -59 -51 -38 -35 -27 -19 -11 -3 5 53 61 85 94

82 9 22 12 AZ: 106 110 118 122 126 131 135 137 141 147 151 155 158 162 166 170 174 178 182 186 190 193 199
R = 5.0 KM; OBS: 1 4 10 4 0 2 5 8 5 2 0 74 115 119 161 190 267 156 146 152 106 61 9
JDGMT: 3 DPHI: -71 -67 -59 -55 -51 -46 -42 -40 -36 -30 -26 -22 -19 -15 -11 -7 -3 2 5 9 13 16 22

AZ: 202 206 210 214 218 221 226 230 251 254 259
OBS: 4 3 8 4 1 14 3 1 12 8 1
DPHI: 25 29 33 37 41 44 49 53 74 77 82

82 9 22 12 AZ: 132 134 140 147 153 157 164 170 176 182 189 194 201 206 212 219 227 230 232 235 242 248
R = 7.0 KM; OBS: 4 0 10 0 0 21 97 182 168 141 45 18 15 0 0 1 0 0 0 1 0 4
JDGMT: 3 DPHI: -45 -43 -37 -30 -24 -20 -13 -7 -1 5 12 17 24 29 35 42 50 53 55 58 65 71

82 9 22 12 AZ: 141 146 153 158 163 170 177 182 188 195 201 206 212 225 230 242
R = 15.0 KM; OBS: 1 8 0 2 8 67 82 53 20 1 0 0 1 12 0 0
JDGMT: 3 DPHI: -36 -31 -24 -19 -14 -7 0 5 11 18 24 29 35 48 53 65

82 9 22 13 AZ: -10 110 113 118 125 134 141 150 154 157 173 180 195 204 211 220 227 235 243 252 260 268 277
R = 0.5 KM; OBS: 3 0 30 5 16 14 17 13 19 10 5 0 1 3 4 5 0 4 3 1 0 2 5
JDGMT: 2 DPHI: -164 -44 -41 -36 -29 -20 -13 -4 0 3 19 26 41 50 58 66 73 81 89 98 106 114 123

AZ: 304
OBS: 0
DPHI: 150

82 9 22 13 AZ: 30 60 109 118 126 141 149 157 165 173 181 189 197 205 213 222 228 236 245 253 261 268 277

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R = 1.0 KM; OBS: 0 0 0 0 8 30 43 24 17 5 0 1 0 0 2 4 0 5 8 1 0 0 0
JDGMT: 2 DPHI: -124 -94 -45 -36 -28 -12 -5 3 11 19 28 35 43 51 59 68 74 82 91 99 107 114 123

82 9 22 13 AZ: 10 58 94 97 106 110 114 117 122 126 130 134 138 142 149 153 158 161 166 170 174 178 183
R = 2.0 KM; OBS: 4 0 0 0 5 5 3 27 26 35 51 81 26 36 81 34 8 9 10 12 7 9 10
JDGMT: 2 DPHI: -144 -96 -60 -57 -48 -44 -40 -36 -32 -28 -24 -20 -16 -12 -5 0 4 7 12 16 20 24 29

AZ: 187 191 209 217 221 225 228 233 238 241 246 249 252 257 262 264 268 322
OBS: 11 8 5 3 0 3 0 2 2 2 4 1 1 4 0 1 1 4
DPHI: 33 37 55 63 67 71 74 79 84 87 92 95 98 103 108 111 114 168

82 9 22 13 AZ: 78 87 94 102 110 118 126 139 142 150 158 166 174 182 230 238 262 271
R = 3.0 KM; OBS: 0 0 0 24 16 37 64 76 101 93 45 8 10 8 6 0 5 6
JDGMT: 3 DPHI: -76 -67 -60 -52 -44 -36 -28 -15 -12 -4 4 12 20 29 77 85 108 117

82 9 22 13 AZ: 106 110 118 122 126 131 135 137 141 147 151 155 158 162 166 170 174 178 182 186 190 193 199
R = 5.0 KM; OBS: 1 0 22 47 71 82 85 78 2 92 115 156 145 137 118 109 79 52 28 3 7 0 0
JDGMT: 3 DPHI: -48 -44 -36 -32 -28 -23 -19 -17 -13 -7 -3 1 4 8 12 16 20 25 28 32 36 39 45

AZ: 202 206 210 214 218 221 226 230 251 254 259
OBS: 0 1 0 0 0 5 4 0 0 1
DPHI: 48 52 56 60 64 67 72 76 97 100 105

82 9 22 13 AZ: 107 113 118 132 134 140 147 153 157 164 170 176 182 189 194 201 206 212 219 227 230 232 235
R = 7.0 KM; OBS: 1 3 6 75 99 76 79 230 173 147 135 92 41 19 2 2 2 1 6 5 0 5 1
JDGMT: 3 DPHI: -47 -41 -36 -21 -19 -14 -7 -1 4 10 16 22 28 35 41 47 53 58 65 73 76 78 81

AZ: 242 248
OBS: 6 3
DPHI: 88 94

82 9 22 13 AZ: 141 146 153 158 163 170 177 182 188 195 201 206 212 225 230 242
R = 15.0 KM; OBS: 7 26 63 83 83 43 12 2 0 0 1 7 1 13 1 2
JDGMT: 3 DPHI: -13 -8 -1 4 9 16 23 29 34 41 47 52 58 71 76 88

82 9 22 14 AZ: -10 110 113 118 125 134 141 150 154 157 173 180 195 204 211 220 227 235 243 252 260 268 277
R = 0.5 KM; OBS: 1 0 9 1 1 22 15 30 30 16 17 11 4 6 7 7 1 7 5 0 0 0 6
JDGMT: 3 DPHI: -156 -36 -33 -28 -21 -12 -5 4 8 11 27 34 49 58 65 74 81 89 97 106 114 122 131

AZ: 304
OBS: 0
DPHI: 158

82 9 22 14 AZ: 30 60 109 118 126 141 149 157 165 173 181 189 197 205 213 222 228 236 245 253 261 268 277
R = 1.0 KM; OBS: 1 0 49 17 34 73 66 54 41 28 7 5 0 1 6 5 0 1 0 0 0 0 0
JDGMT: 3 DPHI: -116 -86 -37 -28 -20 -5 3 11 19 27 35 43 51 59 67 76 82 90 99 107 115 122 131

82 9 22 14 AZ: 10 58 94 97 106 110 114 117 122 126 130 134 138 142 149 153 158 161 166 170 174 178 183
R = 2.0 KM; OBS: 2 0 14 4 1 90 140 171 169 170 94 83 28 78 83 65 50 43 74 11 6 32 11
JDGMT: 2 DPHI: -136 -88 -52 -49 -40 -36 -32 -29 -24 -20 -16 -12 -8 -4 3 7 12 15 20 24 28 32 37

AZ: 187 191 209 217 221 225 228 233 238 241 246 249 252 257 262 264 268 322

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          OBS:  15   8   1   4   0   3   0   0   0   0   7   2   2   3   1   1   0   0
         DPHI:  41  45  63  71  75  79  82  87  92  95 100 103 106 111 116 118 122 176

82  9 22 14  AZ:  78  87  94 102 110 118 126 139 142 150 158 166 174 182 230 238 262 271
R =  3.0 KM; OBS:   0   5   0   0  49 142 104 106  85  65  47  29  14   0   9   0   4   6
JDGMT:  2  DPHI: -68 -59 -52 -44 -36 -28 -20  -7  -4   4  12  20  28  36  84  92 116 125

82  9 22 14  AZ: 106 110 118 122 126 131 135 137 141 147 151 155 158 162 166 170 174 178 182 186 190 193 199
R =  5.0 KM; OBS:   6   1  40  30  85 105  88 109 127 127 211 165 148 185  59  56  27   3   0   4   5   3   1
JDGMT:  3  DPHI: -40 -36 -28 -24 -20 -15 -11  -9  -5   1   5   9  12  16  20  24  28  33  36  40  44  47  53

          AZ:  202 206 210 214 218 221 226 230 251 254 259
          OBS:   8   1   0   0   2   0   5   2   2   0   0
          DPHI:  56  60  64  68  72  75  80  84 105 108 113

82  9 22 14  AZ: 107 113 118 132 134 140 147 153 157 164 170 176 182 189 194 201 206 212 219 227 230 232 235
R =  7.0 KM; OBS:   5  10   0  33  31 111  78 140 124 104  75   9   3   0   0   3  12   2  10   4   4   2   0
JDGMT:  3  DPHI: -39 -33 -28 -14 -12  -6   1   7  11  18  24  30  36  43  48  55  60  66  73  81  84  86  89

          AZ:  242 248
          OBS:   0   8
          DPHI:  96 102

82  9 22 14  AZ: 141 146 153 158 163 170 177 182 188 195 201 206 212 225 230 242
R = 15.0 KM; OBS:  21  54  76  61  46  25   5   3   7   1   0   1   2   8   4   0
JDGMT:  2  DPHI:  -5   0   7  12  17  24  31  36  42  49  55  60  66  79  84  96

82  9 22 15  AZ: -10 110 113 118 125 134 141 150 154 157 173 180 195 204 211 220 227 235 243 252 260 268 277
R =  0.5 KM; OBS:   3   4  21   7   7   3   5   2   7   8   0   0   3   4   1  12   1   0   0   2   6   0   6
JDGMT:  2  DPHI: -163 -43 -40 -35 -28 -19 -11  -3   1   5  20  27  43  52  59  67  74  82  90 100 108 116 124

          AZ:  304
          OBS:   0
          DPHI: 152

82  9 22 15  AZ:   30  60 109 118 126 141 149 157 165 173 181 189 197 205 213 222 228 236 245 253 261 268
R =  1.0 KM; OBS:   2   1   4   3   2   8  14   9  19  12   0   7   0   0   0   0   3   1   1   1   0   2
JDGMT:  3  DPHI: -122 -93 -43 -35 -27 -11  -4   5  12  20  29  37  44  52  60  69  76  84  93 101 108 116

82  9 22 15  AZ:   10  58  94  97 106 110 114 117 122 126 130 134 138 142 149 153 158 161 166 170 174 178 183
R =  2.0 KM; OBS:   9   0   0   0   0   4   4   9   1   2   2   4  12  35  58  57  55  51  42  93  81   7   9
JDGMT:  3  DPHI: -143 -94 -58 -56 -47 -43 -39 -35 -31 -27 -22 -19 -14 -11  -4   1   6   9  13  17  22  26  30

          AZ:  187 191 209 217 221 225 228 233 238 241 246 249 252 257 262 264 268 322
          OBS:   8   6   1   2   0   1   0   4   0   1   1   2   0   2  10   0   0   0
          DPHI:  34  38  57  64  69  73  76  80  85  88  93  97 100 105 109 112 116 169

82  9 22 15  AZ:   78  87  94 102 110 118 126 139 142 150 158 166 174 182 230 238 262 271
R =  3.0 KM; OBS:   0   0   2   8   5   2  14  30  56 115  96  71  54  29   1   7   1   2
JDGMT:  3  DPHI: -74 -66 -58 -50 -42 -35 -26 -14 -10  -2   5  14  21  30  78  86 110 118

82  9 22 15  AZ: 106 110 118 122 126 131 135 137 141 147 151 155 158 162 166 170 174 178 182 186 190 193 199

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|                   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| R = 5.0 KM; OBS:  | 0    | 5   | 16  | 33  | 31  | 72  | 101 | 109 | 152 | 123 | 142 | 126 | 138 | 129 | 93  | 38  | 23  | 4   | 11  | 14  | 2   | 3   | 1   |
| JDGMT: 3 DPHI:    | -46  | -43 | -35 | -31 | -26 | -22 | -17 | -15 | -11 | -6  | -2  | 2   | 5   | 9   | 14  | 18  | 22  | 26  | 30  | 33  | 37  | 41  | 46  |
| AZ:               | 202  | 206 | 210 | 214 | 218 | 221 | 226 | 230 | 251 | 254 | 259 |     |     |     |     |     |     |     |     |     |     |     |     |
| OBS:              | 0    | 2   | 1   | 4   | 0   | 3   | 0   | 1   | 1   | 7   | 1   |     |     |     |     |     |     |     |     |     |     |     |     |
| DPHI:             | 49   | 54  | 57  | 61  | 66  | 69  | 74  | 77  | 99  | 101 | 106 |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 9 22 15 AZ:    | 107  | 113 | 118 | 132 | 134 | 140 | 147 | 153 | 157 | 164 | 170 | 176 | 182 | 189 | 194 | 201 | 206 | 212 | 219 | 227 | 230 | 232 | 235 |
| R = 7.0 KM; OBS:  | 0    | 10  | 9   | 94  | 105 | 145 | 160 | 152 | 32  | 21  | 14  | 1   | 3   | 0   | 1   | 0   | 0   | 3   | 1   | 0   | 3   | 1   | 0   |
| JDGMT: 3 DPHI:    | -46  | -40 | -34 | -20 | -18 | -12 | -6  | 0   | 5   | 12  | 18  | 24  | 30  | 36  | 42  | 48  | 54  | 60  | 66  | 74  | 78  | 79  | 83  |
| AZ:               | 242  | 248 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| OBS:              | 3    | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| DPHI:             | 89   | 95  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 9 22 15 AZ:    | 141  | 146 | 153 | 158 | 163 | 170 | 177 | 182 | 188 | 195 | 201 | 206 | 212 | 225 | 230 | 242 |     |     |     |     |     |     |     |
| R = 15.0 KM; OBS: | 66   | 87  | 42  | 7   | 16  | 12  | 2   | 0   | 3   | 3   | 0   | 2   | 2   | 0   | 0   | 1   |     |     |     |     |     |     |     |
| JDGMT: 2 DPHI:    | -12  | -6  | 0   | 6   | 10  | 18  | 24  | 30  | 36  | 42  | 48  | 53  | 60  | 72  | 77  | 90  |     |     |     |     |     |     |     |
| 82 9 22 16 AZ:    | -10  | 110 | 113 | 118 | 125 | 134 | 141 | 150 | 154 | 157 | 173 | 180 | 195 | 204 | 211 | 220 | 227 | 235 | 243 | 252 | 260 | 268 | 277 |
| R = 0.5 KM; OBS:  | 1    | 0   | 18  | 11  | 9   | 2   | 6   | 6   | 58  | 10  | 7   | 0   | 2   | 1   | 1   | 0   | 4   | 6   | 1   | 4   | 0   | 4   | 4   |
| JDGMT: 3 DPHI:    | -167 | -47 | -44 | -39 | -32 | -23 | -16 | -7  | -3  | 0   | 16  | 23  | 39  | 47  | 55  | 63  | 70  | 78  | 86  | 96  | 104 | 112 | 120 |
| AZ:               | 304  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| OBS:              | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| DPHI:             | 147  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 9 22 16 AZ:    | 30   | 60  | 109 | 118 | 126 | 141 | 149 | 157 | 165 | 173 | 181 | 189 | 197 | 205 | 213 | 222 | 228 | 236 | 245 | 253 | 261 | 268 | 277 |
| R = 1.0 KM; OBS:  | 1    | 0   | 1   | 3   | 5   | 0   | 0   | 11  | 3   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 8   | 0   | 3   | 0   | 0   | 0   | 3   |
| JDGMT: 3 DPHI:    | -127 | -97 | -48 | -39 | -31 | -15 | -8  | 1   | 8   | 16  | 25  | 32  | 40  | 48  | 56  | 65  | 72  | 79  | 89  | 96  | 104 | 111 | 120 |
| 82 9 22 16 AZ:    | 10   | 58  | 94  | 97  | 106 | 110 | 114 | 117 | 122 | 126 | 130 | 134 | 138 | 142 | 149 | 153 | 158 | 161 | 166 | 170 | 174 | 178 | 183 |
| R = 2.0 KM; OBS:  | 1    | 0   | 0   | 1   | 4   | 0   | 0   | 6   | 9   | 16  | 19  | 13  | 12  | 14  | 11  | 12  | 2   | 0   | 2   | 0   | 4   | 4   | 0   |
| JDGMT: 3 DPHI:    | -147 | -99 | -63 | -60 | -51 | -47 | -43 | -39 | -35 | -31 | -27 | -23 | -19 | -15 | -8  | -3  | 1   | 5   | 9   | 13  | 17  | 21  | 26  |
| AZ:               | 187  | 209 | 217 | 221 | 225 | 228 | 233 | 238 | 241 | 246 | 249 | 252 | 257 | 262 | 264 | 268 | 322 |     |     |     |     |     |     |
| OBS:              | 1    | 0   | 2   | 0   | 3   | 0   | 3   | 1   | 2   | 1   | 7   | 0   | 2   | 3   | 0   | 0   | 0   |     |     |     |     |     |     |
| DPHI:             | 30   | 53  | 60  | 64  | 69  | 72  | 76  | 81  | 84  | 89  | 92  | 96  | 100 | 105 | 108 | 111 | 165 |     |     |     |     |     |     |
| 82 9 22 16 AZ:    | 78   | 87  | 94  | 102 | 110 | 118 | 126 | 139 | 142 | 150 | 158 | 166 | 174 | 182 | 230 | 238 | 262 | 271 |     |     |     |     |     |
| R = 3.0 KM; OBS:  | 4    | 0   | 0   | 0   | 6   | 2   | 0   | 50  | 43  | 3   | 2   | 3   | 9   | 0   | 3   | 0   | 0   | 2   |     |     |     |     |     |
| JDGMT: 3 DPHI:    | -78  | -70 | -63 | -55 | -46 | -39 | -31 | -18 | -15 | -7  | 1   | 9   | 17  | 26  | 74  | 82  | 105 | 114 |     |     |     |     |     |
| 82 9 22 16 AZ:    | 106  | 110 | 118 | 122 | 126 | 131 | 135 | 137 | 141 | 147 | 151 | 155 | 158 | 162 | 166 | 170 | 174 | 178 | 182 | 186 | 190 | 193 | 199 |
| R = 5.0 KM; OBS:  | 0    | 0   | 0   | 1   | 1   | 8   | 2   | 15  | 133 | 33  | 0   | 14  | 2   | 6   | 0   | 1   | 14  | 5   | 0   | 5   | 1   | 6   | 3   |
| JDGMT: 3 DPHI:    | -51  | -47 | -39 | -35 | -31 | -26 | -22 | -19 | -16 | -10 | -6  | -2  | 1   | 5   | 9   | 13  | 17  | 22  | 25  | 29  | 33  | 37  | 42  |
| AZ:               | 202  | 206 | 210 | 214 | 218 | 221 | 226 | 230 | 251 | 254 | 259 |     |     |     |     |     |     |     |     |     |     |     |     |
| OBS:              | 0    | 0   | 0   | 8   | 0   | 0   | 0   | 1   | 2   | 0   | 3   |     |     |     |     |     |     |     |     |     |     |     |     |
| DPHI:             | 45   | 50  | 53  | 57  | 61  | 65  | 69  | 73  | 94  | 97  | 102 |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 9 22 16 AZ:    | 107  | 113 | 118 | 132 | 134 | 140 | 147 | 153 | 157 | 164 | 170 | 176 | 182 | 189 | 194 | 201 | 206 | 212 | 219 | 227 | 230 | 232 | 235 |

|                   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|-------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| R = 7.0 KM; OBS:  | 0    | 1   | 0   | 3   | 5   | 52  | 58  | 15  | 8   | 2   | 2   | 2   | 3   | 1   | 4   | 2   | 3   | 0   | 3   | 2   | 0   | 2   | 2   |  |
| JDGMT: 2 DPHI:    | -50  | -44 | -38 | -24 | -22 | -17 | -10 | -4  | 1   | 7   | 13  | 19  | 25  | 32  | 38  | 44  | 50  | 55  | 62  | 70  | 73  | 75  | 78  |  |
| AZ:               | 242  | 248 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| OBS:              | 0    | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| DPHI:             | 85   | 91  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 9 22 16 AZ:    | 141  | 146 | 153 | 158 | 163 | 170 | 177 | 182 | 188 | 195 | 201 | 206 | 212 | 225 | 230 | 242 |     |     |     |     |     |     |     |  |
| R = 15.0 KM; OBS: | 64   | 123 | 45  | 5   | 3   | 0   | 4   | 7   | 4   | 0   | 3   | 2   | 0   | 0   | 49  | 3   |     |     |     |     |     |     |     |  |
| JDGMT: 2 DPHI:    | -16  | -11 | -4  | 2   | 6   | 13  | 20  | 26  | 32  | 38  | 44  | 49  | 55  | 68  | 73  | 85  |     |     |     |     |     |     |     |  |
| 82 9 22 17 AZ:    | -10  | 110 | 113 | 118 | 125 | 134 | 141 | 150 | 154 | 157 | 173 | 180 | 195 | 204 | 211 | 220 | 227 | 235 | 243 | 252 | 260 | 268 | 277 |  |
| R = 0.5 KM; OBS:  | 2    | 22  | 49  | 20  | 7   | 3   | 13  | 0   | 24  | 0   | 0   | 0   | 3   | 4   | 3   | 1   | 0   | 0   | 8   | 2   | 5   | 0   | 4   |  |
| JDGMT: 2 DPHI:    | -149 | -29 | -26 | -21 | -14 | -5  | 2   | 11  | 15  | 18  | 34  | 41  | 57  | 65  | 73  | 81  | 88  | 96  | 104 | 113 | 121 | 129 | 138 |  |
| AZ:               | 304  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| OBS:              | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| DPHI:             | 165  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 9 22 17 AZ:    | 30   | 60  | 109 | 118 | 126 | 141 | 149 | 157 | 165 | 173 | 181 | 189 | 197 | 205 | 213 | 222 | 228 | 236 | 245 | 253 | 261 | 268 | 277 |  |
| R = 1.0 KM; OBS:  | 1    | 0   | 14  | 6   | 5   | 5   | 0   | 0   | 6   | 4   | 2   | 0   | 0   | 2   | 4   | 0   | 3   | 8   | 5   | 0   | 1   | 0   | 2   |  |
| JDGMT: 2 DPHI:    | -109 | -79 | -30 | -21 | -13 | 3   | 10  | 18  | 26  | 34  | 43  | 50  | 58  | 66  | 74  | 83  | 89  | 97  | 106 | 114 | 122 | 129 | 138 |  |
| 82 9 22 17 AZ:    | 10   | 58  | 94  | 97  | 106 | 110 | 114 | 117 | 122 | 126 | 130 | 134 | 138 | 142 | 149 | 153 | 158 | 161 | 166 | 170 | 174 | 178 | 183 |  |
| R = 2.0 KM; OBS:  | 0    | 1   | 8   | 3   | 15  | 26  | 32  | 22  | 60  | 44  | 40  | 15  | 8   | 1   | 10  | 3   | 4   | 1   | 0   | 3   | 2   | 0   | 0   |  |
| JDGMT: 2 DPHI:    | -129 | -81 | -45 | -42 | -33 | -29 | -25 | -21 | -17 | -13 | -9  | -5  | -1  | 3   | 10  | 15  | 19  | 22  | 27  | 31  | 35  | 39  | 44  |  |
| AZ:               | 187  | 191 | 209 | 217 | 221 | 225 | 228 | 233 | 238 | 241 | 246 | 249 | 252 | 257 | 262 | 264 | 268 | 322 |     |     |     |     |     |  |
| OBS:              | 1    | 12  | 2   | 3   | 0   | 7   | 0   | 2   | 0   | 4   | 0   | 1   | 1   | 1   | 0   | 1   | 0   | 2   |     |     |     |     |     |  |
| DPHI:             | 48   | 52  | 70  | 78  | 82  | 86  | 89  | 94  | 99  | 102 | 107 | 110 | 114 | 118 | 123 | 126 | 129 | 183 |     |     |     |     |     |  |
| 82 9 22 17 AZ:    | 78   | 87  | 94  | 102 | 110 | 118 | 126 | 139 | 142 | 150 | 158 | 166 | 174 | 182 | 230 | 238 | 262 | 271 |     |     |     |     |     |  |
| R = 3.0 KM; OBS:  | 0    | 0   | 2   | 52  | 107 | 55  | 36  | 3   | 0   | 2   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 3   |     |     |     |     |     |  |
| JDGMT: 3 DPHI:    | -60  | -52 | -45 | -37 | -29 | -21 | -13 | 0   | 3   | 11  | 19  | 27  | 35  | 44  | 92  | 100 | 123 | 132 |     |     |     |     |     |  |
| 82 9 22 17 AZ:    | 106  | 110 | 118 | 122 | 126 | 131 | 135 | 137 | 141 | 147 | 151 | 155 | 158 | 162 | 166 | 170 | 174 | 178 | 182 | 186 | 190 | 193 | 199 |  |
| R = 5.0 KM; OBS:  | 39   | 48  | 64  | 54  | 65  | 72  | 61  | 39  | 41  | 8   | 1   | 3   | 0   | 6   | 3   | 1   | 4   | 0   | 0   | 13  | 3   | 6   | 1   |  |
| JDGMT: 2 DPHI:    | -33  | -29 | -21 | -17 | -13 | -8  | -4  | -1  | 2   | 8   | 12  | 16  | 19  | 23  | 27  | 31  | 35  | 40  | 43  | 47  | 51  | 54  | 60  |  |
| AZ:               | 202  | 206 | 210 | 214 | 218 | 221 | 226 | 230 | 251 | 254 | 259 |     |     |     |     |     |     |     |     |     |     |     |     |  |
| OBS:              | 8    | 3   | 0   | 2   | 0   | 4   | 10  | 0   | 0   | 5   | 7   |     |     |     |     |     |     |     |     |     |     |     |     |  |
| DPHI:             | 63   | 67  | 71  | 75  | 79  | 82  | 87  | 91  | 112 | 115 | 120 |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 9 22 17 AZ:    | 107  | 113 | 118 | 132 | 134 | 140 | 147 | 153 | 157 | 164 | 170 | 176 | 182 | 189 | 194 | 201 | 206 | 212 | 219 | 227 | 230 | 232 | 235 |  |
| R = 7.0 KM; OBS:  | 26   | 63  | 20  | 42  | 29  | 13  | 8   | 1   | 0   | 4   | 1   | 0   | 3   | 0   | 3   | 6   | 3   | 2   | 9   | 2   | 0   | 3   | 0   |  |
| JDGMT: 2 DPHI:    | -32  | -26 | -21 | -6  | -4  | 1   | 8   | 14  | 19  | 25  | 31  | 37  | 43  | 50  | 56  | 62  | 68  | 73  | 80  | 88  | 91  | 93  | 96  |  |
| AZ:               | 242  | 248 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| OBS:              | 2    | 9   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| DPHI:             | 103  | 109 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 9 22 17 AZ:    | 141  | 146 | 153 | 158 | 163 | 170 | 177 | 182 | 188 | 195 | 201 | 206 | 212 | 225 | 230 | 242 |     |     |     |     |     |     |     |  |

R = 15.0 KM; OBS: 20 27 0 0 3 1 1 1 0 1 3 0 4 21 36 2  
JDGMT: 2 DPHI: 2 7 14 19 24 31 38 44 49 56 62 67 73 86 91 103

82 9 22 18 AZ: -10 110 113 118 125 134 141 150 154 157 173 180 195 204 211 220 227 235 243 252 260 268 277  
R = 0.5 KM; OBS: 0 9 15 2 6 14 13 8 57 18 1 2 7 0 1 1 0 0 0 3 0 11 10  
JDGMT: 3 DPHI: -171 -51 -48 -43 -36 -27 -20 -12 -7 -4 12 18 34 43 50 58 66 74 82 91 99 107 116

AZ: 304  
OBS: 0  
DPHI: 143

82 9 22 18 AZ: 30 60 109 118 126 141 149 157 165 173 181 189 197 205 213 222 228 236 245 253 261 268 277  
R = 1.0 KM; OBS: 2 0 0 1 11 1 1 0 0 1 0 0 0 2 5 0 0 3 3 2 8 1 3  
JDGMT: 2 DPHI: -131 -101 -52 -44 -35 -20 -12 -4 3 11 20 28 35 44 51 61 67 75 84 92 99 107 116

82 9 22 18 AZ: 10 58 94 97 106 110 114 117 122 126 130 134 138 142 149 153 158 161 166 170 174 178 183  
R = 2.0 KM; OBS: 3 0 4 4 4 0 1 8 6 1 3 1 4 4 0 3 8 5 10 0 4 0 0  
JDGMT: 2 DPHI: -152 -103 -67 -64 -55 -52 -47 -44 -39 -35 -31 -27 -23 -19 -12 -8 -3 0 5 9 13 17 22

AZ: 187 191 209 217 221 225 228 233 238 241 246 249 252 257 262 264 268 322  
OBS: 3 1 3 0 0 1 0 1 0 3 8 0 4 12 0 0 0 1  
DPHI: 26 30 48 56 60 64 67 72 76 80 85 88 91 96 100 103 107 161

82 9 22 18 AZ: 78 87 94 102 110 118 126 139 142 150 158 166 174 182 230 238 262 271  
R = 3.0 KM; OBS: 3 0 6 15 0 9 0 4 3 1 3 16 0 0 2 1 3 5  
JDGMT: 3 DPHI: -83 -74 -67 -59 -51 -43 -35 -23 -19 -11 -3 5 13 21 69 77 101 110

82 9 22 18 AZ: 106 110 118 122 126 131 135 137 141 147 151 155 158 162 166 170 174 178 182 186 190 193 199  
R = 5.0 KM; OBS: 12 23 32 20 7 4 0 1 18 6 6 9 17 12 1 1 3 5 3 0 3 0 0  
JDGMT: 2 DPHI: -55 -51 -43 -39 -35 -30 -26 -24 -20 -14 -11 -6 -3 1 5 9 13 17 21 25 29 32 37

AZ: 202 206 210 214 218 221 226 230 251 254 259  
OBS: 0 3 2 6 1 0 0 1 1 0 2  
DPHI: 41 45 49 53 57 60 65 69 90 93 97

82 9 22 18 AZ: 107 113 118 132 134 140 147 153 157 164 170 176 182 189 194 201 206 212 219 227 230 232 235  
R = 7.0 KM; OBS: 0 21 39 9 0 13 12 0 19 0 1 1 0 0 0 1 0 1 2 6 0 4 4  
JDGMT: 2 DPHI: -55 -48 -43 -29 -27 -21 -14 -8 -4 3 9 15 21 27 33 39 45 51 58 66 69 71 74

AZ: 242 248  
OBS: 0 3  
DPHI: 81 87

82 9 22 18 AZ: 141 146 153 158 163 170 177 182 188 195 201 206 212 225 230 242  
R = 15.0 KM; OBS: 5 4 0 17 0 1 1 10 8 5 2 1 2 19 31 0  
JDGMT: 2 DPHI: -21 -15 -9 -3 2 9 16 21 27 34 40 45 51 64 69 81

82 9 22 19 AZ: 110 113 118 125 134 141 150 154 157 173 180 195 204 211 220 227 235 243 252 260 268 277 304  
R = 0.5 KM; OBS: 0 1 0 4 1 6 0 6 6 16 6 5 2 0 13 1 6 1 2 0 2 0 3  
JDGMT: 3 DPHI: -85 -82 -77 -70 -61 -54 -45 -41 -38 -22 -15 1 9 17 25 32 40 48 57 65 73 82 109

AZ: 350

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OBS: 0
DPHI: 155

82 9 22 19 AZ: 30 60 109 118 126 141 149 157 165 173 181 189 197 205 213 222 228 236 245 253 261 268 277
R = 1.0 KM; OBS: 0 0 1 1 2 0 3 0 11 6 0 0 0 3 0 1 0 4 2 0 5 0 1
JDGMT: 3 DPHI: -165 -135 -86 -77 -69 -53 -46 -38 -30 -22 -13 -6 2 10 18 27 33 41 50 58 66 73 82

82 9 22 19 AZ: 58 94 97 106 110 114 117 122 126 130 134 138 142 149 153 158 161 166 170 174 178 183 187
R = 2.0 KM; OBS: 0 2 4 0 0 4 0 1 0 5 4 0 5 0 0 0 7 0 2 5 1 6 13
JDGMT: 2 DPHI: -137 -101 -98 -89 -85 -81 -77 -73 -69 -65 -61 -57 -53 -46 -41 -37 -33 -29 -25 -21 -17 -12 -8

AZ: 191 209 217 221 225 228 233 238 241 246 249 252 257 262 264 268 322 10
OBS: 5 3 1 0 11 0 1 17 5 3 1 0 0 18 3 4 2 5
DPHI: -4 14 22 26 30 34 38 43 46 51 54 58 62 67 70 73 127 175

82 9 22 19 AZ: 78 87 94 102 110 118 126 139 142 150 158 166 174 182 230 238 262 271
R = 3.0 KM; OBS: 0 0 0 0 4 0 0 3 1 1 6 3 0 0 1 12 6 6
JDGMT: 3 DPHI: -116 -108 -101 -93 -84 -77 -69 -56 -53 -45 -37 -29 -21 -12 36 44 67 76

82 9 22 19 AZ: 106 118 122 126 131 135 137 141 147 151 155 158 162 166 170 174 178 182 186 190 193 199 202
R = 5.0 KM; OBS: 2 3 3 0 0 3 4 6 9 0 1 2 3 4 1 3 0 0 3 2 5 1 0
JDGMT: 3 DPHI: -89 -77 -73 -69 -64 -60 -57 -54 -48 -44 -40 -37 -33 -29 -25 -21 -16 -13 -9 -5 -2 4 7

AZ: 206 210 214 218 221 226 230 251 254 259
OBS: 1 1 0 1 0 4 1 3 1 3
DPHI: 11 15 19 23 26 31 35 56 59 64

82 9 22 19 AZ: 107 113 118 132 134 140 147 153 157 164 170 176 182 189 194 201 206 212 219 227 230 232 235
R = 7.0 KM; OBS: 0 1 7 14 0 0 6 0 0 10 6 4 1 0 3 1 0 1 4 0 2 3 0
JDGMT: 2 DPHI: -88 -82 -77 -62 -60 -55 -48 -42 -37 -31 -25 -19 -13 -6 0 6 12 17 24 32 35 37 40

AZ: 242 248
OBS: 10 4
DPHI: 47 53

82 9 22 19 AZ: 141 146 153 158 163 170 177 182 188 195 201 206 212 225 230 242
R = 15.0 KM; OBS: 0 13 32 8 7 1 2 0 0 0 8 7 11 35 61 2
JDGMT: 2 DPHI: -54 -49 -42 -37 -32 -25 -18 -12 -7 0 6 11 17 30 35 47

82 9 23 11 AZ: 30 42 47 54 54 62 71 78 86 87 94 101 110 118 125 134 141 150 157 165 173 180 187
R = 0.5 KM; OBS: 13 18 11 11 6 9 11 4 20 11 4 59 11 47 15 54 12 19 7 27 21 18 19
JDGMT: 3 DPHI: -87 -76 -71 -64 -63 -56 -46 -39 -31 -30 -24 -17 -8 0 7 16 24 32 40 47 55 62 70

AZ: 195
OBS: 23
DPHI: 78

82 9 23 11 AZ: -45 -2 30 38 46 54 60 67 78 86 94 102 109 118 126 135 141 149 157 165 173 181 189
R = 1.0 KM; OBS: 15 41 11 16 17 21 16 15 10 11 11 0 3 10 11 9 25 15 11 0 0 14 20
JDGMT: 2 DPHI: -162 -120 -87 -79 -72 -64 -58 -50 -40 -31 -24 -16 -8 0 8 17 24 31 40 47 55 64 72

AZ: 197 236 277

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|        |      |       |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------|------|-------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|        |      | OBS:  | 23    | 27   | 17   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      | DPHI: | 79    | 119  | 159  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 9    | 23    | 11    | AZ:  | -38  | 33  | 38  | 42  | 46  | 49  | 54  | 58  | 62  | 66  | 70  | 94  | 97  | 102 | 106 | 110 | 114 | 117 | 122 | 126 | 130 | 134 | 138 |
| R =    | 2.0  | KM;   | OBS:  | 9    | 11   | 16  | 18  | 16  | 22  | 12  | 8   | 11  | 9   | 16  | 13  | 9   | 13  | 19  | 22  | 9   | 7   | 14  | 9   | 15  | 11  | 23  |     |
| JDGMT: | 2    |       | DPHI: | -156 | -84  | -79 | -76 | -72 | -69 | -63 | -59 | -56 | -52 | -47 | -23 | -21 | -16 | -12 | -8  | -4  | 0   | 4   | 8   | 13  | 16  | 21  |     |
|        |      |       | AZ:   | 142  | 149  | 153 | 158 | 161 | 166 | 170 | 174 | 178 | 183 | 187 | 191 | 207 | 225 | 273 |     |     |     |     |     |     |     |     |     |
|        |      |       | OBS:  | 10   | 17   | 10  | 11  | 10  | 10  | 29  | 12  | 12  | 11  | 28  | 21  | 11  | 14  | 11  |     |     |     |     |     |     |     |     |     |
|        |      |       | DPHI: | 24   | 31   | 36  | 41  | 44  | 49  | 52  | 57  | 61  | 65  | 69  | 73  | 89  | 108 | 156 |     |     |     |     |     |     |     |     |     |
| 82     | 9    | 23    | 11    | AZ:  | 42   | 46  | 54  | 59  | 61  | 70  | 78  | 87  | 94  | 102 | 118 | 126 | 139 | 142 | 150 | 158 | 166 | 174 | 182 |     |     |     |     |
| R =    | 3.0  | KM;   | OBS:  | 7    | 19   | 0   | 12  | 11  | 5   | 7   | 14  | 5   | 37  | 7   | 16  | 8   | 9   | 16  | 11  | 59  | 12  | 22  |     |     |     |     |     |
| JDGMT: | 2    |       | DPHI: | -75  | -71  | -63 | -59 | -57 | -47 | -39 | -31 | -23 | -15 | 0   | 9   | 21  | 25  | 33  | 40  | 49  | 56  | 65  |     |     |     |     |     |
| 82     | 9    | 23    | 11    | AZ:  | 33   | 37  | 41  | 45  | 50  | 53  | 57  | 62  | 66  | 70  | 71  | 73  | 77  | 82  | 86  | 90  | 95  | 99  | 103 | 106 | 110 | 114 | 118 |
| R =    | 5.0  | KM;   | OBS:  | 18   | 4    | 29  | 36  | 13  | 10  | 20  | 0   | 12  | 8   | 0   | 11  | 0   | 25  | 11  | 11  | 4   | 7   | 0   | 11  | 10  | 1   | 9   |     |
| JDGMT: | 2    |       | DPHI: | -84  | -80  | -76 | -72 | -68 | -64 | -60 | -55 | -51 | -47 | -46 | -44 | -40 | -35 | -32 | -27 | -23 | -19 | -15 | -11 | -8  | -4  | 0   |     |
|        |      |       | AZ:   | 122  | 126  | 131 | 135 | 137 | 141 | 166 | 170 | 174 | 178 | 182 | 226 | 259 |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       | OBS:  | 10   | 14   | 12  | 0   | 0   | 10  | 19  | 9   | 13  | 18  | 9   | 14  | 15  |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       | DPHI: | 4    | 9    | 13  | 18  | 20  | 24  | 49  | 53  | 57  | 61  | 65  | 109 | 141 |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 9    | 23    | 11    | AZ:  | 36   | 44  | 46  | 52  | 66  | 70  | 76  | 83  | 84  | 95  | 101 | 107 | 113 | 118 | 124 | 130 | 137 | 143 | 149 | 155 | 160 | 166 | 172 |
| R =    | 7.0  | KM;   | OBS:  | 20   | 18   | 25  | 3   | 0   | 14  | 0   | 10  | 11  | 14  | 5   | 16  | 0   | 7   | 7   | 9   | 8   | 5   | 7   | 0   | 4   | 10  | 0   |     |
| JDGMT: | 2    |       | DPHI: | -82  | -73  | -72 | -65 | -51 | -47 | -42 | -35 | -33 | -23 | -17 | -11 | -5  | 1   | 7   | 13  | 19  | 25  | 31  | 37  | 42  | 49  | 55  |     |
|        |      |       | AZ:   | 178  | 242  | 248 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       | OBS:  | 5    | 12   | 42  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       | DPHI: | 61   | 124  | 130 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 9    | 23    | 11    | AZ:  | 58   | 65  | 70  | 76  | 83  | 88  | 100 | 119 | 125 | 130 | 136 | 142 | 148 | 153 | 161 | 167 | 173 |     |     |     |     |     |     |
| R =    | 15.0 | KM;   | OBS:  | 3    | 0    | 7   | 0   | 7   | 1   | 7   | 6   | 8   | 5   | 1   | 22  | 7   | 0   | 0   | 6   | 0   |     |     |     |     |     |     |     |
| JDGMT: | 2    |       | DPHI: | -59  | -53  | -48 | -42 | -35 | -30 | -17 | 1   | 7   | 13  | 19  | 25  | 31  | 35  | 43  | 49  | 55  |     |     |     |     |     |     |     |
| 82     | 9    | 23    | 12    | AZ:  | 30   | 42  | 47  | 54  | 54  | 62  | 71  | 78  | 86  | 87  | 94  | 101 | 110 | 118 | 125 | 134 | 141 | 150 | 157 | 165 | 173 | 180 | 187 |
| R =    | 0.5  | KM;   | OBS:  | 4    | 16   | 18  | 7   | 7   | 10  | 31  | 15  | 14  | 11  | 16  | 39  | 15  | 19  | 22  | 12  | 15  | 15  | 10  | 21  | 14  | 59  | 18  |     |
| JDGMT: | 2    |       | DPHI: | -89  | -77  | -72 | -65 | -65 | -57 | -48 | -41 | -33 | -32 | -25 | -18 | -9  | -1  | 6   | 15  | 22  | 31  | 38  | 46  | 54  | 61  | 68  |     |
|        |      |       | AZ:   | 195  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       | OBS:  | 10   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       | DPHI: | 77   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 9    | 23    | 12    | AZ:  | -45  | -2  | 30  | 38  | 46  | 54  | 60  | 67  | 78  | 86  | 94  | 102 | 109 | 118 | 126 | 135 | 141 | 149 | 157 | 165 | 173 | 181 | 189 |
| R =    | 1.0  | KM;   | OBS:  | 17   | 31   | 19  | 14  | 9   | 5   | 10  | 0   | 17  | 26  | 8   | 8   | 8   | 8   | 11  | 0   | 0   | 79  | 9   | 14  | 10  | 58  | 13  |     |
| JDGMT: | 3    |       | DPHI: | -164 | -121 | -89 | -81 | -73 | -65 | -59 | -52 | -41 | -33 | -25 | -17 | -10 | -1  | 7   | 16  | 23  | 30  | 38  | 46  | 54  | 63  | 70  |     |
|        |      |       | AZ:   | 197  | 236  | 277 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       | OBS:  | 3    | 15   | 31  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        |      |       | DPHI: | 78   | 117  | 158 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 9    | 23    | 12    | AZ:  | -38  | 33  | 38  | 42  | 46  | 49  | 54  | 58  | 62  | 66  | 70  | 94  | 97  | 102 | 106 | 110 | 114 | 117 | 122 | 126 | 130 | 134 | 138 |

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R = 2.0 KM; OBS: 19 28 19 7 18 16 27 8 28 12 10 25 15 8 8 0 6 38 9 8 11 14 19
JDGMT: 3 DPHI: -157 -85 -81 -77 -73 -70 -65 -61 -57 -53 -49 -25 -22 -17 -13 -9 -5 -1 3 7 11 15 19

      AZ: 142 149 153 158 161 166 170 174 178 183 187 191 207 225 273
      OBS: 9 12 12 32 25 9 2 14 9 11 14 14 27 11 20
      DPHI: 23 30 35 39 42 47 51 55 59 64 68 72 88 106 154

82 9 23 12 AZ: 42 46 54 59 61 70 78 87 94 102 118 126 139 142 150 158 166 174 182
R = 3.0 KM; OBS: 14 3 0 0 10 0 11 7 8 0 5 21 10 9 9 14 19 17 4
JDGMT: 3 DPHI: -77 -72 -65 -60 -58 -49 -40 -32 -25 -17 -1 7 20 23 31 39 47 55 64

82 9 23 12 AZ: 33 37 41 45 50 53 57 62 66 70 71 73 77 82 86 90 95 99 103 106 110 114 118
R = 5.0 KM; OBS: 0 1 10 9 12 16 22 10 14 14 4 13 16 12 9 0 12 4 13 20 7 16 10
JDGMT: 2 DPHI: -86 -82 -78 -74 -69 -66 -62 -57 -53 -49 -48 -46 -41 -37 -33 -29 -24 -20 -16 -13 -9 -5 -1

      AZ: 122 126 131 135 137 141 147 151 155 158 162 166 170 174 178 182 226 259
      OBS: 20 0 10 5 9 0 0 4 16 10 0 9 7 0 16 12 2
      DPHI: 3 7 12 16 18 22 28 32 36 39 43 47 51 55 60 63 107 140

82 9 23 12 AZ: 36 44 46 52 66 70 76 83 84 95 101 107 113 118 124 130 137 143 149 155 160 166 172
R = 7.0 KM; OBS: 0 16 23 9 18 0 10 8 7 0 0 5 3 6 0 3 8 7 7 7 0 10 17
JDGMT: 2 DPHI: -83 -75 -73 -67 -53 -49 -43 -36 -35 -24 -18 -12 -6 -1 5 12 18 24 30 36 41 47 53

      AZ: 178 242 248
      OBS: 0 15 0
      DPHI: 59 123 129

82 9 23 12 AZ: 58 65 70 76 83 88 100 112 119 125 130 136 142 148 153 161 167 173
R = 15.0 KM; OBS: 10 7 7 5 0 7 19 6 3 16 8 2 0 0 9 40 60 15
JDGMT: 2 DPHI: -61 -54 -49 -43 -36 -31 -19 -6 0 6 12 17 23 29 34 42 48 54

82 9 23 13 AZ: 30 42 47 54 54 62 71 78 86 87 94 101 110 118 125 134 141 150 157 165 173 180 187
R = 0.5 KM; OBS: 7 4 0 7 11 10 0 13 9 10 8 9 20 0 10 15 31 18 26 11 12 59 10
JDGMT: 2 DPHI: -123 -112 -107 -100 -99 -92 -82 -75 -67 -66 -60 -53 -44 -35 -29 -20 -12 -4 4 11 19 26 34

      AZ: 195
      OBS: 10
      DPHI: 42

82 9 23 13 AZ: -2 30 38 46 54 60 67 78 86 94 102 109 118 126 135 141 149 157 165 173 181 189 197
R = 1.0 KM; OBS: 7 0 9 3 11 7 5 0 16 10 13 27 46 0 7 8 13 6 6 22 14 26 26
JDGMT: 2 DPHI: -156 -123 -115 -108 -100 -94 -86 -76 -67 -60 -52 -44 -36 -28 -19 -12 -5 4 11 19 28 36 43

      AZ: 236 277 315
      OBS: 72 66 9
      DPHI: 83 123 162

82 9 23 13 AZ: 33 38 42 46 49 54 58 62 66 70 94 97 102 106 110 114 117 122 126 130 134 138 142
R = 2.0 KM; OBS: 19 17 6 26 0 14 34 12 2 17 0 0 9 15 8 10 0 8 0 16 4 8 4
JDGMT: 2 DPHI: -120 -115 -112 -108 -105 -99 -95 -92 -88 -83 -59 -57 -52 -48 -44 -40 -36 -32 -28 -23 -20 -15 -12

      AZ: 149 153 158 161 166 170 174 178 183 187 191 207 225 273 322

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|        |          |       |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|--------|----------|-------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
|        | OBS:     | 0     | 7    | 16   | 0    | 6    | 19   | 30   | 11  | 15  | 42  | 36  | 35  | 77  | 20  | 10  |     |     |     |     |     |     |     |     |     |     |     |  |
|        | DPHI:    | -5    | 0    | 5    | 8    | 13   | 16   | 21   | 25  | 29  | 33  | 37  | 53  | 72  | 120 | 168 |     |     |     |     |     |     |     |     |     |     |     |  |
| 82     | 9        | 23    | 13   | AZ:  | 42   | 46   | 54   | 59   | 61  | 70  | 78  | 87  | 94  | 102 | 118 | 126 | 139 | 142 | 150 | 158 | 166 | 174 | 182 |     |     |     |     |  |
| R =    | 3.0 KM;  | OBS:  | 7    | 26   | 6    | 9    | 0    | 1    | 19  | 14  | 7   | 5   | 0   | 5   | 2   | 5   | 11  | 5   | 55  | 43  | 115 |     |     |     |     |     |     |  |
| JDGMT: | 2        | DPHI: | -111 | -107 | -99  | -95  | -93  | -83  | -75 | -67 | -59 | -51 | -36 | -27 | -15 | -11 | -3  | 5   | 13  | 21  | 29  |     |     |     |     |     |     |  |
| 82     | 9        | 23    | 13   | AZ:  | 33   | 37   | 41   | 45   | 50  | 53  | 57  | 62  | 66  | 70  | 71  | 73  | 77  | 82  | 86  | 90  | 95  | 99  | 103 | 106 | 110 | 114 | 118 |  |
| R =    | 5.0 KM;  | OBS:  | 21   | 4    | 30   | 12   | 18   | 11   | 10  | 0   | 0   | 12  | 0   | 12  | 5   | 3   | 12  | 0   | 10  | 6   | 5   | 8   | 7   | 7   |     |     |     |  |
| JDGMT: | 2        | DPHI: | -120 | -116 | -112 | -108 | -104 | -100 | -96 | -91 | -87 | -83 | -82 | -80 | -76 | -71 | -68 | -63 | -59 | -55 | -51 | -47 | -43 | -40 | -36 |     |     |  |
|        | AZ:      | 122   | 126  | 131  | 135  | 137  | 141  | 147  | 151 | 155 | 158 | 162 | 166 | 170 | 174 | 178 | 182 | 226 | 259 |     |     |     |     |     |     |     |     |  |
|        | OBS:     | 6     | 4    | 3    | 6    | 0    | 17   | 4    | 5   | 6   | 21  | 23  | 85  | 94  | 141 | 245 | 241 | 59  | 2   |     |     |     |     |     |     |     |     |  |
|        | DPHI:    | -32   | -27  | -22  | -18  | -16  | -12  | -7   | -3  | 1   | 5   | 8   | 13  | 17  | 21  | 25  | 29  | 73  | 105 |     |     |     |     |     |     |     |     |  |
| 82     | 9        | 23    | 13   | AZ:  | 36   | 44   | 46   | 52   | 66  | 70  | 76  | 83  | 84  | 95  | 101 | 107 | 113 | 118 | 124 | 130 | 137 | 143 | 149 | 155 | 160 | 166 | 172 |  |
| R =    | 7.0 KM;  | OBS:  | 4    | 23   | 20   | 13   | 12   | 0    | 9   | 15  | 30  | 14  | 4   | 0   | 4   | 4   | 5   | 5   | 9   | 0   | 11  | 33  | 41  | 89  |     |     |     |  |
| JDGMT: | 2        | DPHI: | -118 | -109 | -108 | -101 | -87  | -83  | -77 | -71 | -69 | -59 | -53 | -47 | -41 | -35 | -29 | -23 | -17 | -11 | -5  | 1   | 6   | 13  | 19  |     |     |  |
|        | AZ:      | 178   | 242  | 248  |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        | OBS:     | 269   | 8    | 5    |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        | DPHI:    | 25    | 88   | 94   |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82     | 9        | 23    | 13   | AZ:  | 58   | 65   | 70   | 76   | 83  | 88  | 100 | 112 | 119 | 125 | 130 | 136 | 142 | 148 | 153 | 161 | 167 | 173 |     |     |     |     |     |  |
| R =    | 15.0 KM; | OBS:  | 3    | 8    | 5    | 0    | 13   | 3    | 0   | 8   | 8   | 11  | 0   | 21  | 3   | 5   | 8   | 27  | 96  | 145 |     |     |     |     |     |     |     |  |
| JDGMT: | 2        | DPHI: | -95  | -89  | -84  | -78  | -71  | -66  | -53 | -41 | -35 | -29 | -23 | -17 | -11 | -5  | -1  | 7   | 13  | 19  |     |     |     |     |     |     |     |  |
| 82     | 9        | 23    | 14   | AZ:  | 30   | 42   | 47   | 54   | 54  | 62  | 71  | 78  | 86  | 87  | 94  | 101 | 110 | 118 | 125 | 134 | 141 | 150 | 157 | 165 | 173 | 180 | 187 |  |
| R =    | 0.5 KM;  | OBS:  | 104  | 93   | 100  | 251  | 84   | 82   | 130 | 114 | 206 | 94  | 109 | 218 | 153 | 196 | 167 | 200 | 207 | 203 | 205 | 159 | 216 | 208 | 180 |     |     |  |
| JDGMT: | 2        | DPHI: | -114 | -103 | -98  | -91  | -90  | -83  | -74 | -66 | -59 | -58 | -51 | -44 | -35 | -27 | -20 | -11 | -3  | 5   | 12  | 20  | 28  | 35  | 43  |     |     |  |
|        | AZ:      | 195   |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        | OBS:     | 212   |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        | DPHI:    | 51    |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82     | 9        | 23    | 14   | AZ:  | -2   | 30   | 38   | 46   | 54  | 60  | 67  | 78  | 86  | 94  | 102 | 109 | 118 | 126 | 135 | 141 | 149 | 157 | 165 | 173 | 181 | 189 | 197 |  |
| R =    | 1.0 KM;  | OBS:  | 4    | 5    | 1    | 15   | 5    | 20   | 43  | 58  | 9   | 13  | 0   | 5   | 6   | 12  | 0   | 18  | 7   | 0   | 0   | 9   | 47  | 120 | 91  |     |     |  |
| JDGMT: | 2        | DPHI: | -147 | -115 | -106 | -99  | -91  | -85  | -78 | -67 | -59 | -51 | -43 | -36 | -27 | -19 | -10 | -3  | 4   | 13  | 20  | 28  | 37  | 45  | 52  |     |     |  |
|        | AZ:      | 236   | 277  | 315  |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        | OBS:     | 218   | 133  | 11   |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|        | DPHI:    | 92    | 132  | 170  |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82     | 9        | 23    | 14   | AZ:  | 33   | 38   | 42   | 46   | 49  | 54  | 58  | 62  | 66  | 70  | 94  | 97  | 102 | 106 | 110 | 114 | 117 | 122 | 126 | 130 | 134 | 138 | 142 |  |
| R =    | 2.0 KM;  | OBS:  | 22   | 12   | 11   | 12   | 7    | 17   | 9   | 18  | 6   | 14  | 12  | 4   | 3   | 35  | 8   | 0   | 39  | 10  | 17  | 8   | 0   | 14  | 5   |     |     |  |
| JDGMT: | 2        | DPHI: | -111 | -106 | -103 | -99  | -96  | -91  | -87 | -83 | -79 | -75 | -50 | -48 | -43 | -39 | -35 | -31 | -27 | -23 | -19 | -15 | -11 | -6  | -3  |     |     |  |
|        | AZ:      | 149   | 153  | 158  | 161  | 166  | 170  | 174  | 178 | 183 | 187 | 191 | 207 | 225 | 273 | 322 |     |     |     |     |     |     |     |     |     |     |     |  |
|        | OBS:     | 19    | 8    | 17   | 18   | 28   | 42   | 50   | 65  | 70  | 77  | 73  | 116 | 297 | 50  | 26  |     |     |     |     |     |     |     |     |     |     |     |  |
|        | DPHI:    | 4     | 9    | 14   | 17   | 21   | 25   | 29   | 34  | 38  | 42  | 46  | 62  | 81  | 128 | 177 |     |     |     |     |     |     |     |     |     |     |     |  |
| 82     | 9        | 23    | 14   | AZ:  | 42   | 46   | 54   | 59   | 61  | 70  | 78  | 87  | 94  | 102 | 118 | 126 | 139 | 142 | 150 | 158 | 166 | 174 | 182 |     |     |     |     |  |

R = 3.0 KM; OBS: 24 0 4 17 5 3 16 6 0 3 3 5 5 5 0 8 19 36 122  
JDGMT: 2 DPHI: -102 -98 -91 -86 -84 -74 -66 -58 -50 -43 -27 -18 -6 -3 5 13 22 29 38

82 9 23 14 AZ: 33 37 41 45 50 53 57 62 66 70 71 73 77 82 86 90 95 99 103 106 110 114 118  
R = 5.0 KM; OBS: 16 1 3 6 0 18 6 6 16 4 3 7 8 6 1 0 8 0 9 10 9 0 10 7  
JDGMT: 2 DPHI: -111 -108 -104 -99 -95 -92 -87 -82 -78 -74 -74 -71 -67 -62 -59 -55 -50 -46 -42 -38 -35 -31 -27

AZ: 122 126 131 135 137 141 147 151 155 158 162 166 170 174 178 182 226 259  
OBS: 0 3 1 0 15 2 10 0 9 8 4 13 36 63 145 178 202 12  
DPHI: -23 -19 -14 -9 -7 -3 2 6 10 13 17 22 26 29 34 37 82 114

82 9 23 14 AZ: 36 44 46 52 66 70 76 83 84 95 101 107 113 118 124 130 137 143 149 155 160 166 172  
R = 7.0 KM; OBS: 29 0 3 14 16 3 3 0 0 0 0 4 0 11 9 3 15 6 10 0 5 20 31  
JDGMT: 2 DPHI: -109 -100 -99 -93 -78 -74 -69 -62 -60 -50 -44 -38 -32 -26 -20 -14 -8 -2 4 10 15 22 27

AZ: 178 242 248  
OBS: 33 13 0  
DPHI: 33 97 103

82 9 23 14 AZ: 58 65 70 76 83 88 100 112 119 125 130 136 142 148 153 161 167 173  
R = 15.0 KM; OBS: 0 0 5 2 0 6 6 1 8 3 0 4 4 1 0 1 11 19  
JDGMT: 2 DPHI: -86 -80 -75 -69 -62 -57 -44 -32 -26 -20 -14 -9 -2 3 8 16 22 28

82 9 23 15 AZ: 30 42 47 54 54 62 71 78 86 87 94 101 110 118 125 134 141 150 157 165 173 180 187  
R = 0.5 KM; OBS: 214 246 156 388 83 62 130 134 401 121 163 192 233 290 319 318 335 316 357 321 318 307 327  
JDGMT: 3 DPHI: -121 -110 -104 -98 -97 -90 -80 -73 -65 -64 -57 -50 -42 -33 -26 -17 -10 -2 6 13 21 28 36

AZ: 195  
OBS: 370  
DPHI: 44

82 9 23 15 AZ: -2 30 38 46 54 60 67 78 86 94 102 109 118 126 135 141 149 157 165 173 181 189 197  
R = 1.0 KM; OBS: 337 21 19 16 11 10 54 29 11 8 7 8 7 9 29 84 80 108 164 184 242 252 268  
JDGMT: 2 DPHI: -153 -121 -113 -105 -97 -91 -84 -73 -65 -58 -49 -42 -34 -26 -17 -10 -2 6 13 21 30 38 45

AZ: 236 277 315  
OBS: 389 370 208  
DPHI: 85 126 164

82 9 23 15 AZ: 33 38 42 46 49 54 58 62 66 70 94 97 102 106 110 114 117 122 126 130 134 138 142  
R = 2.0 KM; OBS: 17 3 0 17 33 14 9 11 5 12 21 9 4 15 19 7 38 7 17 36 16 12 7  
JDGMT: 2 DPHI: -118 -113 -110 -105 -102 -97 -93 -90 -85 -81 -57 -55 -50 -45 -42 -37 -34 -30 -25 -21 -18 -13 -10

AZ: 149 153 158 161 166 170 174 178 183 187 191 207 225 273 322  
OBS: 83 4 54 23 22 11 16 35 183 240 250 309 274 118 155  
DPHI: -3 2 7 10 15 19 23 27 31 35 40 56 74 122 170

82 9 23 15 AZ: 42 46 54 59 61 70 78 87 94 102 118 126 139 142 150 158 166 174 182  
R = 3.0 KM; OBS: 35 3 7 23 9 0 32 8 2 0 0 0 12 11 9 16 24 9 19  
JDGMT: 2 DPHI: -109 -105 -97 -93 -91 -81 -73 -64 -57 -49 -33 -25 -13 -9 -1 7 15 23 31

82 9 23 15 AZ: 33 37 41 45 50 53 57 62 66 70 71 73 77 82 86 90 95 99 103 106 110 114 118



R = 5.0 KM; OBS: 13 0 4 3 5 10 9 0 4 16 0 0 0 1 5 3 5 1 25 1 5 7 4  
JDGMT: 2 DPHI: -118 -114 -110 -106 -101 -98 -94 -89 -85 -81 -80 -78 -74 -69 -65 -61 -57 -52 -49 -45 -41 -37 -33  
  
AZ: 122 126 131 135 137 141 147 151 155 158 162 166 170 174 178 182 226 259  
OBS: 16 27 2 4 0 0 10 0 4 1 5 24 6 5 3 22 149 132  
DPHI: -30 -25 -20 -16 -14 -10 -4 -1 3 7 11 15 19 23 27 31 75 107  
  
82 9 23 15 AZ: 36 44 46 52 66 70 76 83 84 95 101 107 113 118 124 130 137 143 149 155 160 166 172  
R = 7.0 KM; OBS: 9 12 15 3 0 8 2 9 6 8 2 12 0 8 0 1 1 4 5 0 4 2 0  
JDGMT: 2 DPHI: -115 -107 -106 -99 -85 -81 -75 -69 -67 -57 -51 -45 -38 -33 -27 -21 -14 -9 -3 3 8 15 21  
  
AZ: 178 242 248  
OBS: 3 128 80  
DPHI: 27 91 96  
  
82 9 23 15 AZ: 58 65 70 76 83 88 100 112 119 125 130 136 142 148 153 161 167 173  
R = 15.0 KM; OBS: 2 0 4 0 3 5 13 0 4 6 1 9 21 10 11 1 7 0  
JDGMT: 3 DPHI: -93 -86 -81 -76 -68 -63 -51 -39 -33 -27 -21 -15 -9 -3 1 10 15 21  
  
82 9 23 16 AZ: 30 42 47 54 54 62 71 78 86 87 94 101 110 118 125 134 141 150 157 165 173 180 187  
R = 0.5 KM; OBS: 121 186 133 249 153 189 208 226 277 282 321 351 409 479 355 350 346 325 304 329 342 430 310  
JDGMT: 3 DPHI: -113 -102 -96 -90 -89 -82 -72 -65 -57 -56 -49 -42 -34 -25 -18 -9 -2 6 14 21 29 36 44  
  
AZ: 195  
OBS: 206  
DPHI: 52  
  
82 9 23 16 AZ: -2 30 38 46 54 60 67 78 86 94 102 109 118 126 135 141 149 157 165 173 181 189 197  
R = 1.0 KM; OBS: 137 121 117 125 135 163 206 257 178 177 152 123 209 173 310 335 313 333 410 462 597 484 532  
JDGMT: -2 DPHI: -145 -113 -105 -97 -89 -83 -76 -65 -57 -50 -41 -34 -26 -18 -9 -2 6 14 21 29 38 46 53  
  
AZ: 236 277 315  
OBS: 179 115 83  
DPHI: 93 134 172  
  
82 9 23 16 AZ: 33 38 42 46 49 54 58 62 66 70 94 97 102 106 110 114 117 122 126 130 134 138 142  
R = 2.0 KM; OBS: 26 28 30 42 37 57 68 82 24 2 29 45 43 92 47 66 63 64 85 72 89 79 77  
JDGMT: -2 DPHI: -110 -105 -102 -97 -94 -89 -85 -82 -77 -73 -49 -47 -42 -37 -34 -29 -26 -22 -17 -13 -10 -5 -2  
  
AZ: 149 153 158 161 166 170 174 178 183 187 191 207 225 273 322  
OBS: 123 103 142 118 150 132 162 215 511 512 484 496 288 102 87  
DPHI: 5 10 15 18 23 27 31 35 39 43 47 64 82 130 178  
  
82 9 23 16 AZ: 42 46 54 59 61 70 78 87 94 102 118 126 139 142 150 158 166 174 182  
R = 3.0 KM; OBS: 40 5 0 0 12 44 12 22 14 25 0 15 61 35 100 110 131 95 122  
JDGMT: 2 DPHI: -101 -97 -89 -85 -83 -73 -65 -56 -49 -41 -25 -17 -5 -1 7 15 23 31 39  
  
82 9 23 16 AZ: 33 37 41 45 50 53 57 62 66 70 71 73 77 82 86 90 95 99 103 106 110 114 118  
R = 5.0 KM; OBS: 0 9 6 8 15 14 11 4 9 0 3 0 13 6 8 0 5 29 2 4 11 6 9  
JDGMT: 2 DPHI: -110 -106 -102 -98 -93 -90 -86 -81 -77 -73 -72 -70 -66 -61 -57 -53 -49 -44 -41 -37 -33 -29 -25  
  
AZ: 122 126 131 135 137 141 147 151 155 158 162 166 170 174 178 182 226 259

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        OBS:   9   8   9   0  13  13   0   6   2   6   9   4  18  51  99 283 136 155
        DPHI: -22 -17 -12  -8  -6  -2   4   7  11  15  19  23  27  31  35  39  83 115

82  9 23 16  AZ:  36  44  46  52  66  70  76  83  84  95 101 107 113 118 124 130 137 143 149 155 160 166 172
R = 7.0 KM; OBS:  0  10  6   5  4   0   5   0   7   3   0   4   4   5   0  13  5   0   7   6   1   1   5
JDGMT: 2  DPHI: -107 -99 -98 -91 -77 -73 -67 -61 -59 -49 -43 -37 -30 -25 -19 -13  -6  -1   5  11  16  23  29

        AZ:  178 242 248
        OBS:   0 127  86
        DPHI:  35  99 104

82  9 23 16  AZ:  58  65  70  76  83  88 100 112 119 125 130 136 142 148 153 161 167 173
R = 15.0 KM; OBS:  0   0   0   1   0   0   0   10  3   7  11   0   0   8   6   2   6   3
JDGMT: 3  DPHI: -85 -78 -73 -68 -60 -55 -43 -31 -25 -19 -13  -7  -1   5   9  18  23  29

82  9 23 17  AZ:  30  42  47  54  54  62  71  78  86  87  94 101 110 118 125 134 141 150 157 165 173 180 187
R = 0.5 KM; OBS:  54  46  51  94 123 108 72  87  44 112 117 108 96 73  80  87  90 79 98 86 114 83 109
JDGMT: 2  DPHI: -105 -94 -88 -81 -81 -73 -64 -57 -49 -48 -41 -34 -25 -17 -10  -1   6  14  22  29  37  44  52

        AZ:  195
        OBS:   92
        DPHI:   60

82  9 23 17  AZ:  -2  30  38  46  54  60  67  78  86  94 102 109 118 126 135 141 149 157 165 173 181 189 197
R = 1.0 KM; OBS:  44  59  90 138 202 242 151 222 243 293 297 292 355 387 406 458 493 427 359 202 112 81 116
JDGMT: 3  DPHI: -137 -105 -97 -89 -81 -75 -68 -57 -49 -41 -33 -26 -18 -10  -1   6  14  22  29  37  46  54  61

        AZ:  236 277 315
        OBS:  55  62  38
        DPHI: 101 142 180

82  9 23 17  AZ:  33  38  42  46  49  54  58  62  66  70  94  97 102 106 110 114 117 122 126 130 134 138 142
R = 2.0 KM; OBS:  52  94  68  95  94 117 164 166 190 226 212 232 264 262 228 200 199 261 317 343 358 405 427
JDGMT: -3  DPHI: -102 -97 -94 -89 -86 -81 -77 -74 -69 -65 -41 -39 -34 -29 -26 -21 -18 -14  -9  -5  -2   3   7

        AZ:  149 153 161 166 170 174 178 183 187 191 207 225 273 322
        OBS:  516 510 522 518 503 483 262 174 137 135 112 274 72  34
        DPHI:  14  18  26  31  35  39  43  47  51  56  72  90 138 186

82  9 23 17  AZ:  42  46  54  59  61  70  78  87  94 102 118 126 139 142 150 158 166 174 182
R = 3.0 KM; OBS:  31  36  60  27  65  6  70 148  70 146 114 106 348 386 509 487 519 582 463
JDGMT: -2  DPHI: -93 -89 -81 -77 -75 -65 -57 -48 -41 -33 -17  -9   3   7  15  23  31  39  47

82  9 23 17  AZ:  33  37  41  45  50  53  57  62  66  70  71  73  77  82  86  90  95  99 103 106 110 114 118
R = 5.0 KM; OBS:  26  8  18  12  28  15  18  0  0  7  6  0  8  26  13  24  13  7  31  27  43  64  58
JDGMT: 2  DPHI: -102 -98 -94 -90 -85 -82 -78 -73 -69 -65 -64 -62 -58 -53 -49 -45 -41 -36 -33 -29 -25 -21 -17

        AZ:  122 126 131 135 137 141 147 151 155 158 162 166 170 174 178 182 226 259
        OBS:  63  29  54  43  68  74  26  30  29  29  41  72  89 108 115 242 196 147
        DPHI: -14  -9  -4   0   2   6  12  15  19  23  27  31  35  39  43  47  91 123

82  9 23 17  AZ:  36  44  46  52  66  70  76  83  84  95 101 107 113 118 124 130 137 143 149 155 160 166 172

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R = 7.0 KM; OBS:   4   0  10   3   8   0   4  46  75  10   4   2   8   0   5  28  26  18  28  23  14  28  43
JDGMT:  2  DPHI: -99 -91 -90 -83 -69 -65 -59 -53 -51 -41 -35 -29 -22 -17 -11 -5  2  7  13  19  24  31  37

      AZ: 178 242 248
      OBS:  70 84  81
      DPHI:  43 107 112

82  9 23 17  AZ:  58  65  70  76  83  88 100 112 119 125 130 136 142 148 153 161 167 173
R = 15.0 KM; OBS:   1   4   0   0  10   3   4   4   8   9   0  23   5   2  16  22   0   3
JDGMT:  3  DPHI: -77 -70 -65 -59 -52 -47 -35 -23 -17 -11 -5   1   7  13  18  26  31  37

82  9 23 18  AZ:  30  42  47  54  54  62  71  78  86  87  94 101 110 118 125 134 141 150 157 165 173 180 187
R =  0.5 KM; OBS: 341 352 359 411 407 469 456 465 386 454 464 481 501 482 500 504 492 370 437 420 439 443 397
JDGMT: -3  DPHI: -89 -78 -72 -66 -65 -58 -48 -41 -33 -32 -25 -18 -10 -1   6  15  22  30  38  45  53  60  68

      AZ: 195
      OBS: 409
      DPHI:  76

82  9 23 18  AZ: -45  30  38  46  54  60  67  78  86  94 102 109 118 126 135 141 149 157 165 173 181 189
R =  1.0 KM; OBS: 243 192 308 338 417 500 530 503 482 560 484 494 541 448 607 541 607 560 431 420 447 401 439
JDGMT: -3  DPHI: -164 -121 -89 -81 -73 -65 -59 -52 -41 -33 -26 -17 -10 -2   6  15  22  30  38  45  53  62  70

      AZ: 197 236 277
      OBS: 440 370 308
      DPHI:  77 117 158

82  9 23 18  AZ: -38  33  38  42  46  49  54  58  62  66  70  94  97 102 106 110 114 117 122 126 130 134 138
R =  2.0 KM; OBS: 223 354 406 407 414 426 417 477 462 423 457 341   7  421 468 453 480 493 478 528 591 550 554
JDGMT: -3  DPHI: -158 -86 -81 -78 -73 -70 -65 -61 -58 -53 -49 -25 -23 -18 -13 -10 -5  -2   2   7  11  14  19

      AZ: 142 149 153 158 161 166 170 174 178 183 187 191 207 225 273
      OBS: 503 524 546 518 484 486 423 381 398 437 411 439 410 389 211
      DPHI:  22  29  34  39  42  47  51  55  59  63  67  72  88 106 154

82  9 23 18  AZ:  42  46  54  59  61  70  78  87  94 102 118 126 139 142 150 158 166 174 182
R =  3.0 KM; OBS: 216 214   0 103 113  57 129 194 143 227 315 322 527 342 534 532 495 270   1
JDGMT: -3  DPHI: -77 -73 -65 -61 -59 -49 -41 -32 -25 -17 -1   7  19  23  31  39  47  55  63

82  9 23 18  AZ:  33  37  41  45  50  53  57  62  66  70  71  73  77  82  86  90  95  99 103 106 110 114 118
R =  5.0 KM; OBS:  71  35  97 104  87  73  84  45  42  36  35  46  34  75  61  73  81  93 114 137 111 111 167
JDGMT:  3  DPHI: -86 -82 -78 -74 -69 -66 -62 -57 -53 -49 -48 -46 -42 -37 -33 -29 -25 -20 -17 -13 -9  -5  -1

      AZ: 122 126 131 135 137 141 147 151 155 158 162 166 170 174 178 182 226 259
      OBS: 102  78 150 120 114 134  82  63  83 102  89  91  79  71  58  79  88 116
      DPHI:   2   7  12  16  18  22  28  31  35  39  43  47  51  55  59  63 107 139

82  9 23 18  AZ:  36  44  46  52  66  70  76  83  84  95 101 107 113 118 124 130 137 143 149 155 160 166 172
R =  7.0 KM; OBS:   0  19  22  10  25  10  12   0   0  31  27  51   0  15  22  60  95  61  72  59  59  39  32
JDGMT:  3  DPHI: -83 -75 -74 -67 -53 -49 -43 -37 -35 -25 -19 -13 -6  -1   5  11  18  23  29  35  40  47  53

      AZ: 178 242 248

```



R = 15.0 KM; OBS: 0 0 5 0 0 5 0 0 0 8 64 8 18 0 5 1 0 0  
JDGMT: 3 DPHI: -33 -26 -21 -15 -8 -3 9 21 27 33 39 45 51 57 62 70 75 81

82 9 24 16 AZ: 1 23  
R = 0.5 KM; OBS: 16 22  
JDGMT: 0 DPHI: -31 -9

82 9 24 16 AZ: 357 5 14 23 30 42 46 54 59 61 70 78 87  
R = 3.0 KM; OBS: 20 14 19 8 9 12 13 10 13 6 18 5 13  
JDGMT: 2 DPHI: -35 -27 -18 -9 -2 10 15 22 27 29 39 47 55

82 9 24 16 AZ: 259 274  
R = 5.0 KM; OBS: 16 35  
JDGMT: 0 DPHI: -133 -118

82 9 24 16 AZ: 249 5 9 12 16 20 24 28 33 36 40 44 48 52 56 60 64 70 72 76 80 84 85  
R = 7.0 KM; OBS: 23 28 17 9 6 15 15 12 8 24 20 19 25 28 24 19 37 21 28 9 0 14 0  
JDGMT: 3 DPHI: -143 -27 -23 -20 -16 -12 -8 -3 1 4 8 13 16 20 24 28 32 39 41 44 48 52 53

AZ: 92  
OBS: 9  
DPHI: 60

82 9 24 16 AZ: 244  
R = 10.0 KM; OBS: 31  
JDGMT: 0 DPHI: -148

82 9 24 16 AZ: 4 7 8 10 12 15 16 19 21 23 24 26 28 30 33 34 36 37 41 42 46 47 49  
R = 15.0 KM; OBS: 18 13 10 13 16 9 16 15 11 10 19 17 29 31 32 49 37 35 48 44 49 26 13  
JDGMT: 3 DPHI: -28 -25 -24 -22 -20 -17 -16 -13 -11 -9 -8 -6 -3 -2 1 2 4 6 9 10 14 15 17

AZ: 50 53 54 57 58 59 62 65 66 69 70 73 76 78 80 83 84 87 88 90 92  
OBS: 23 10 13 15 7 14 15 0 0 0 2 3 3 6 1 3 0 11 39 5 0  
DPHI: 18 21 23 25 27 28 30 33 34 37 38 41 44 47 48 51 52 55 56 58 60

82 9 24 16 AZ: 2 9 10 12 15 17 18 20 23 25 28 34 35 37 41 42 45 47 50 50 52 55 57  
R = 20.0 KM; OBS: 15 9 21 23 20 12 22 16 34 45 29 49 5 54 63 64 36 8 7 4 4 10 3  
JDGMT: 3 DPHI: -30 -23 -22 -19 -17 -15 -13 -11 -9 -7 -3 2 3 5 9 11 13 15 18 18 20 23 25

AZ: 59 61 62 65 66 69 70 72 74 77 78 81 83 84 86 92  
OBS: 3 6 0 16 9 1 1 0 0 2 3 0 1 2 0 5  
DPHI: 27 29 30 33 34 38 38 41 43 45 47 49 51 52 54 60

82 9 24 16 AZ: 18 20 23 24 26 31 32 34 35 38 41 42 44 47 50 53 54 56 58 61 62 64 66  
R = 30.0 KM; OBS: 122 106 75 37 58 73 82 98 94 79 20 18 9 4 4 0 0 0 5 3 4 0 5  
JDGMT: 2 DPHI: -14 -12 -9 -8 -6 -1 0 2 3 6 9 10 12 15 18 21 22 24 27 29 30 33 34

AZ: 69 71 73 77 79 81 83 84 86 89 90 92  
OBS: 10 2 0 0 4 0 6 0 12 9 0 0  
DPHI: 37 39 41 45 47 49 51 53 54 57 58 60

82 9 24 16 AZ: 6 9 16 19 23 25 34 40 43 50 55 58 62 66 71 74 79 83 87 90

R = 50.0 KM; OBS: 5 6 5 9 8 15 89 10 18 5 2 4 1 7 3 3 0 0 0 3  
JDGMT: 3 DPHI: -26 -22 -16 -13 -9 -7 3 8 11 18 23 26 31 34 39 42 47 51 55 59

82 9 24 17 AZ: 1 23  
R = 0.5 KM; OBS: 33 4  
JDGMT: 0 DPHI: -35 -13

82 9 24 17 AZ: 357 5 14 23 30 42 46 54 59 61 70 78 87  
R = 3.0 KM; OBS: 25 16 17 16 14 18 18 25 19 19 21 18 17  
JDGMT: 2 DPHI: -39 -31 -22 -13 -6 7 11 18 23 25 35 43 51

82 9 24 17 AZ: 259 274  
R = 5.0 KM; OBS: 32 21  
JDGMT: 0 DPHI: -137 -122

82 9 24 17 AZ: 249 5 9 12 16 20 24 28 33 36 40 44 48 52 56 60 64 70 72 76 80 84 85  
R = 7.0 KM; OBS: 11 14 17 18 12 2 14 15 16 17 17 25 30 28 21 20 13 17 18 11 20 10 12  
JDGMT: 3 DPHI: -147 -31 -27 -24 -20 -16 -12 -7 -3 0 4 9 12 16 21 24 28 35 37 40 45 49 49

AZ: 92  
OBS: 15  
DPHI: 56

82 9 24 17 AZ: 244  
R = 10.0 KM; OBS: 25  
JDGMT: 0 DPHI: -152

82 9 24 17 AZ: 4 7 8 10 12 15 16 19 21 23 24 26 28 30 33 34 36 37 41 42 46 47 49  
R = 15.0 KM; OBS: 13 17 14 13 19 13 17 14 14 21 18 16 16 21 20 14 0 27 18 19 5 17 19  
JDGMT: 3 DPHI: -32 -29 -28 -26 -23 -21 -20 -17 -15 -13 -12 -10 -7 -6 -3 -2 0 2 6 6 10 11 13

AZ: 50 53 54 57 58 59 62 65 66 69 70 73 76 78 80 83 84 87 88 90 92  
OBS: 22 20 21 17 15 8 5 10 15 9 13 16 8 4 13 6 9 7 11 5 12  
DPHI: 14 17 19 21 23 24 27 29 30 33 34 38 40 43 44 47 49 51 52 54 56

82 9 24 17 AZ: 2 4 7 9 10 12 15 17 18 20 23 25 28 34 35 37 41 42 45 47 50 50 52  
R = 20.0 KM; OBS: 6 11 16 15 16 12 17 17 12 31 20 11 24 21 32 22 31 29 27 31 18 15 16  
JDGMT: 3 DPHI: -34 -32 -29 -27 -26 -23 -20 -19 -17 -15 -13 -11 -7 -2 -1 1 5 7 10 11 14 14 16

AZ: 55 57 59 61 62 65 66 69 70 72 74 77 78 81 83 84 86 88 92  
OBS: 10 12 12 14 6 0 7 0 13 5 10 11 1 5 0 14 6 15 4  
DPHI: 19 22 23 25 26 29 30 34 34 37 39 41 43 45 47 49 51 53 56

82 9 24 17 AZ: 18 20 23 24 26 31 32 34 35 38 41 42 44 47 50 53 54 56 58 61 62 64 66  
R = 30.0 KM; OBS: 34 35 38 37 58 31 47 44 49 68 41 32 20 12 6 0 6 7 0 3 12 7 0  
JDGMT: 3 DPHI: -18 -16 -13 -12 -10 -5 -4 -2 -1 2 5 7 9 11 14 17 18 20 23 25 27 29 31

AZ: 69 71 73 77 79 81 83 84 86 89 90 92  
OBS: 10 3 0 11 5 9 5 0 4 0 0 2  
DPHI: 33 35 37 41 43 45 47 49 50 53 55 56

82 9 24 17 AZ: 6 9 16 19 23 25 31 34 40 43 50 55 58 62 66 71 74 79 83 87 90

|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |
|-------------------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|
| R = 50.0 KM; OBS: | 4    | 8    | 11  | 19  | 31  | 66  | 68  | 26  | 5   | 10  | 0   | 1   | 1   | 3   | 0   | 0  | 2  | 2  | 8  | 0  | 3  |    |    |
| JDGMT: 3 DPHI:    | -29  | -26  | -20 | -17 | -13 | -11 | -5  | -1  | 4   | 7   | 14  | 19  | 22  | 27  | 30  | 35 | 39 | 43 | 47 | 51 | 55 |    |    |
|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |
| 82 9 24 18 AZ:    | 1    | 23   |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |
| R = 0.5 KM; OBS:  | 23   | 16   |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |
| JDGMT: 0 DPHI:    | -42  | -20  |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |
|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |
| 82 9 24 18 AZ:    | 357  | 5    | 14  | 23  | 30  | 42  | 46  | 54  | 59  | 61  | 70  | 78  | 87  |     |     |    |    |    |    |    |    |    |    |
| R = 3.0 KM; OBS:  | 13   | 19   | 9   | 18  | 10  | 14  | 5   | 10  | 7   | 27  | 18  | 37  | 39  |     |     |    |    |    |    |    |    |    |    |
| JDGMT: 2 DPHI:    | -46  | -38  | -29 | -20 | -13 | -1  | 4   | 11  | 16  | 18  | 27  | 35  | 44  |     |     |    |    |    |    |    |    |    |    |
|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |
| 82 9 24 18 AZ:    | 259  | 274  |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |
| R = 5.0 KM; OBS:  | 0    | 16   |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |
| JDGMT: 0 DPHI:    | -144 | -129 |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |
|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |
| 82 9 24 18 AZ:    | 249  | 5    | 9   | 12  | 16  | 20  | 24  | 28  | 33  | 36  | 40  | 44  | 48  | 52  | 56  | 60 | 64 | 70 | 72 | 76 | 80 | 84 | 85 |
| R = 7.0 KM; OBS:  | 12   | 13   | 14  | 28  | 17  | 5   | 29  | 21  | 0   | 14  | 5   | 19  | 21  | 24  | 22  | 22 | 19 | 21 | 25 | 22 | 24 | 27 | 17 |
| JDGMT: 3 DPHI:    | -154 | -38  | -34 | -31 | -27 | -23 | -19 | -15 | -10 | -7  | -3  | 1   | 5   | 9   | 13  | 17 | 21 | 27 | 29 | 33 | 37 | 41 | 42 |
|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |
| AZ:               | 92   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |
| OBS:              | 18   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |
| DPHI:             | 49   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |
|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |
| 82 9 24 18 AZ:    | 244  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |
| R = 10.0 KM; OBS: | 32   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |
| JDGMT: 0 DPHI:    | -159 |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |
|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |
| 82 9 24 18 AZ:    | 4    | 7    | 8   | 10  | 12  | 15  | 16  | 19  | 21  | 23  | 24  | 26  | 28  | 30  | 33  | 34 | 36 | 37 | 41 | 42 | 46 | 47 | 49 |
| R = 15.0 KM; OBS: | 3    | 5    | 0   | 4   | 2   | 9   | 12  | 13  | 8   | 11  | 9   | 10  | 18  | 5   | 12  | 17 | 27 | 29 | 13 | 25 | 22 | 15 |    |
| JDGMT: 3 DPHI:    | -39  | -36  | -35 | -33 | -31 | -28 | -27 | -24 | -22 | -20 | -19 | -17 | -15 | -13 | -10 | -9 | -7 | -5 | -2 | -1 | 3  | 4  | 6  |
|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |
| AZ:               | 50   | 53   | 54  | 57  | 58  | 59  | 62  | 65  | 66  | 69  | 70  | 73  | 76  | 78  | 80  | 83 | 84 | 87 | 88 | 90 | 92 |    |    |
| OBS:              | 17   | 17   | 31  | 21  | 30  | 20  | 22  | 0   | 16  | 15  | 13  | 4   | 28  | 9   | 18  | 14 | 14 | 24 | 15 | 17 | 20 |    |    |
| DPHI:             | 7    | 10   | 12  | 14  | 15  | 17  | 19  | 22  | 23  | 26  | 27  | 30  | 33  | 36  | 37  | 40 | 41 | 44 | 45 | 47 | 49 |    |    |
|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |
| 82 9 24 18 AZ:    | 2    | 4    | 7   | 9   | 10  | 12  | 15  | 17  | 18  | 20  | 23  | 25  | 28  | 31  | 34  | 35 | 37 | 41 | 42 | 45 | 47 | 50 | 50 |
| R = 20.0 KM; OBS: | 19   | 20   | 6   | 6   | 0   | 16  | 22  | 12  | 25  | 13  | 5   | 12  | 11  | 18  | 32  | 16 | 19 | 30 | 21 | 19 | 28 | 23 | 22 |
| JDGMT: 3 DPHI:    | -41  | -39  | -36 | -34 | -33 | -30 | -28 | -26 | -25 | -22 | -20 | -18 | -15 | -12 | -9  | -8 | -6 | -2 | 0  | 2  | 4  | 7  | 7  |
|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |
| AZ:               | 52   | 55   | 57  | 59  | 61  | 62  | 65  | 66  | 69  | 70  | 72  | 74  | 77  | 78  | 81  | 83 | 84 | 86 | 88 | 92 |    |    |    |
| OBS:              | 27   | 26   | 24  | 25  | 31  | 26  | 18  | 18  | 16  | 10  | 11  | 22  | 27  | 16  | 12  | 5  | 6  | 3  | 6  | 7  |    |    |    |
| DPHI:             | 9    | 12   | 14  | 16  | 18  | 19  | 22  | 23  | 26  | 27  | 29  | 31  | 34  | 35  | 38  | 40 | 41 | 43 | 45 | 49 |    |    |    |
|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |
| 82 9 24 18 AZ:    | 18   | 20   | 23  | 24  | 26  | 31  | 32  | 34  | 35  | 38  | 41  | 42  | 44  | 47  | 50  | 53 | 54 | 56 | 58 | 61 | 62 | 64 | 66 |
| R = 30.0 KM; OBS: | 17   | 13   | 13  | 15  | 20  | 10  | 21  | 27  | 23  | 26  | 30  | 29  | 31  | 51  | 40  | 20 | 23 | 5  | 5  | 0  | 10 | 5  | 4  |
| JDGMT: 3 DPHI:    | -25  | -23  | -20 | -19 | -17 | -12 | -11 | -9  | -8  | -5  | -2  | -1  | 1   | 4   | 7   | 10 | 11 | 13 | 15 | 18 | 19 | 22 | 23 |
|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |
| AZ:               | 69   | 71   | 73  | 77  | 79  | 81  | 83  | 84  | 86  | 89  | 90  | 92  |     |     |     |    |    |    |    |    |    |    |    |
| OBS:              | 0    | 1    | 6   | 0   | 0   | 3   | 8   | 0   | 2   | 3   | 6   | 2   |     |     |     |    |    |    |    |    |    |    |    |
| DPHI:             | 26   | 28   | 30  | 34  | 36  | 38  | 40  | 42  | 43  | 46  | 47  | 49  |     |     |     |    |    |    |    |    |    |    |    |
|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |
| 82 9 24 18 AZ:    | 6    | 9    | 16  | 19  | 23  | 25  | 31  | 34  | 40  | 43  | 50  | 55  | 58  | 62  | 66  | 71 | 74 | 79 | 83 | 87 | 90 |    |    |

R = 50.0 KM; OBS: 0 9 60 36 78 59 68 6 21 5 0 3 0 7 0 2 2 2 1 5 0  
 JDGMT: 2 DPHI: -37 -34 -27 -24 -20 -18 -12 -8 -3 0 7 12 15 19 23 28 31 36 40 44 47

82 9 24 19 AZ: 1 23  
 R = 0.5 KM; OBS: 18 13  
 JDGMT: 0 DPHI: -44 -23

82 9 24 19 AZ: 357 5 14 23 30 42 46 54 59 61 70 78 87  
 R = 3.0 KM; OBS: 7 8 13 14 13 13 27 18 24 16 24 20 16  
 JDGMT: 3 DPHI: -49 -41 -31 -23 -16 -3 1 8 13 15 25 33 41

82 9 24 19 AZ: 259 274  
 R = 5.0 KM; OBS: 9 14  
 JDGMT: 0 DPHI: -147 -132

82 9 24 19 AZ: 249 5 9 12 16 20 24 28 33 36 40 44 48 52 56 60 64 70 72 76 80 84 85  
 R = 7.0 KM; OBS: 10 7 14 5 12 8 22 9 25 14 11 24 24 20 23 24 18 24 21 20 18 14 10  
 JDGMT: 3 DPHI: -157 -41 -37 -33 -30 -26 -22 -17 -13 -10 -6 -1 2 6 11 14 19 25 27 30 35 39 39

AZ: 92  
 OBS: 20  
 DPHI: 47

82 9 24 19 AZ: 244  
 R = 10.0 KM; OBS: 9  
 JDGMT: 0 DPHI: -162

82 9 24 19 AZ: 4 7 8 10 12 15 16 19 21 23 24 26 28 30 33 34 36 37 41 42 46 47 49  
 R = 15.0 KM; OBS: 1 7 6 7 8 8 4 11 15 5 8 9 15 16 10 14 17 13 4 14 19 8 15  
 JDGMT: 2 DPHI: -42 -39 -38 -36 -33 -31 -30 -27 -25 -23 -22 -20 -17 -16 -13 -12 -10 -8 -4 -4 0 1 3

AZ: 50 53 54 57 58 59 62 65 66 69 70 73 76 78 80 83 84 87 88 90 92  
 OBS: 0 27 18 24 11 25 22 5 13 9 14 15 7 29 23 13 28 23 24 17 18  
 DPHI: 4 7 9 11 13 14 17 19 20 23 24 28 30 33 34 37 39 41 42 44 46

82 9 24 19 AZ: 2 4 7 9 10 12 15 17 18 20 23 25 28 31 34 35 37 38 41 42 45 47 50  
 R = 20.0 KM; OBS: 0 0 2 22 0 0 11 14 0 14 9 14 13 12 12 14 8 22 16 18 17 22 28  
 JDGMT: 3 DPHI: -44 -42 -39 -37 -36 -33 -30 -29 -27 -25 -23 -21 -17 -15 -12 -11 -9 -8 -5 -3 0 1 4

AZ: 50 52 55 57 59 61 62 65 66 69 70 72 74 77 78 81 83 84 86 88 92  
 OBS: 26 19 21 23 23 26 40 27 13 16 15 25 0 13 18 12 21 13 14 23 14  
 DPHI: 4 6 9 12 13 15 16 19 20 24 24 27 29 31 33 35 37 39 41 43 46

82 9 24 19 AZ: 11 12 15 18 20 23 24 26 31 32 34 35 38 41 42 44 47 50 53 54 56 58 61  
 R = 30.0 KM; OBS: 15 8 16 12 10 10 15 7 18 20 15 17 15 22 23 31 30 30 24 24 18 19 21  
 JDGMT: 3 DPHI: -35 -33 -31 -28 -26 -23 -22 -20 -15 -14 -12 -11 -8 -5 -3 -1 1 4 7 8 10 13 15

AZ: 62 64 66 69 71 73 77 79 81 83 84 86 89 90 92  
 OBS: 9 14 13 17 9 6 8 3 3 14 11 4 4 0 9  
 DPHI: 17 19 21 23 25 27 31 33 35 37 39 41 43 45 46

82 9 24 19 AZ: 6 9 16 19 23 25 31 34 40 43 50 55 58 62 66 71 74 79 83 87 90



R = 50.0 KM; OBS: 7 24 55 81 83 87 42 25 19 38 16 4 7 1 0 3 4 4 0 0 0  
 JDGMT: 3 DPHI: -39 -36 -30 -27 -23 -21 -15 -11 -6 -3 4 9 12 17 20 25 29 33 37 41 45

82 9 24 20 AZ: 1 23  
 R = 0.5 KM; OBS: 16 18  
 JDGMT: 0 DPHI: -47 -25

82 9 24 20 AZ: 357 5 14 23 30 42 46 54 59 61 70 78 87  
 R = 3.0 KM; OBS: 12 7 15 0 5 10 12 5 16 16 18 18 16  
 JDGMT: 2 DPHI: -51 -43 -34 -25 -18 -5 -1 6 11 13 23 31 39

82 9 24 20 AZ: 259 274  
 R = 5.0 KM; OBS: 8 4  
 JDGMT: 0 DPHI: -149 -134

82 9 24 20 AZ: 249 5 9 12 16 20 24 28 33 36 40 44 48 52 56 60 64 70 72 76 80 84 85  
 R = 7.0 KM; OBS: 19 3 5 14 6 10 18 11 8 14 21 12 19 12 18 21 26 20 13 22 24 16 21  
 JDGMT: 2 DPHI: -159 -43 -39 -36 -32 -28 -24 -19 -15 -12 -8 -3 0 4 8 12 16 23 25 28 32 37 37

AZ: 92  
 OBS: 28  
 DPHI: 44

82 9 24 20 AZ: 244  
 R = 10.0 KM; OBS: 11  
 JDGMT: 0 DPHI: -164

82 9 24 20 AZ: 4 7 8 10 12 15 16 19 21 23 24 26 28 30 33 34 36 37 41 42 46 47 49  
 R = 15.0 KM; OBS: 12 1 0 3 8 3 14 16 7 15 12 9 11 11 11 13 21 18 13 12 5 23 18  
 JDGMT: 2 DPHI: -44 -41 -40 -38 -35 -33 -32 -29 -27 -25 -24 -22 -19 -18 -15 -14 -12 -10 -7 -6 -2 -1 1

AZ: 50 53 54 57 58 59 62 65 66 69 70 73 76 78 80 83 84 87 88 90 92  
 OBS: 19 19 29 19 20 39 26 27 18 14 15 19 18 17 22 30 20 66 38 20 24  
 DPHI: 2 5 7 9 11 12 14 17 18 21 22 25 28 31 32 35 37 39 40 42 44

82 9 24 20 AZ: 2 4 7 9 10 12 15 17 18 20 23 25 28 31 34 35 37 38 41 42 45 47 50  
 R = 20.0 KM; OBS: 5 4 6 3 7 5 11 6 10 7 6 13 8 13 15 17 0 23 17 15 24 25 21  
 JDGMT: 3 DPHI: -46 -44 -41 -39 -38 -35 -32 -31 -29 -27 -25 -23 -19 -17 -14 -13 -11 -10 -7 -5 -3 -1 2

AZ: 50 52 55 57 59 61 62 65 66 69 70 72 74 77 78 81 83 84 86 88 92  
 OBS: 28 21 30 36 17 19 18 35 23 26 17 16 11 14 17 17 32 14 14 19  
 DPHI: 2 4 7 10 11 13 14 17 18 22 22 25 27 29 31 33 35 37 39 40 44

82 9 24 20 AZ: 6 9 11 12 15 18 20 23 24 26 31 32 34 35 38 41 42 44 47 50 53 54 56  
 R = 30.0 KM; OBS: 0 6 12 13 22 4 9 0 15 11 20 16 24 34 30 33 21 29 38 33 35 28 20  
 JDGMT: 3 DPHI: -41 -39 -37 -35 -33 -30 -28 -25 -24 -22 -17 -16 -14 -13 -10 -7 -5 -4 -1 2 5 6 8

AZ: 58 61 62 64 66 69 71 73 77 79 81 83 84 86 89 90 92  
 OBS: 17 33 33 9 13 9 10 11 5 9 6 9 6 0 0 2 4  
 DPHI: 11 13 15 17 18 21 23 25 29 31 33 35 37 38 41 43 44

82 9 24 20 AZ: 6 9 16 19 23 25 31 34 40 43 55 58 62 66 71 74 79 83 87 90

```

R = 50.0 KM; OBS: 15 27 51 57 75 66 24 25 38 39 0 3 5 11 5 0 0 0 3 2
JDGMT: 3 DPHI: -41 -38 -32 -29 -25 -23 -17 -13 -8 -5 7 10 15 18 23 26 31 35 39 43

82 9 24 21 AZ: 1 23
R = 0.5 KM; OBS: 8 0
JDGMT: 0 DPHI: -46 -25

82 9 24 21 AZ: 357 5 14 23 30 42 46 54 59 61 70 78 87
R = 3.0 KM; OBS: 18 10 14 7 15 12 12 20 14 15 37 27 18
JDGMT: 2 DPHI: -51 -42 -33 -25 -18 -5 -1 7 11 13 23 31 40

82 9 24 21 AZ: 259 274
R = 5.0 KM; OBS: 13 8
JDGMT: 0 DPHI: -149 -133

82 9 24 21 AZ: 249 5 9 12 16 20 24 28 33 36 40 44 48 52 56 60 64 70 72 76 80 84 85
R = 7.0 KM; OBS: 8 9 0 7 7 3 7 20 6 17 18 17 19 22 26 24 17 11 20 11 25 21 23
JDGMT: 3 DPHI: -158 -43 -39 -35 -31 -28 -24 -19 -15 -11 -8 -3 1 5 9 13 17 23 25 29 33 37 37

      AZ: 92
      OBS: 0
      DPHI: 45

82 9 24 21 AZ: 244
R = 10.0 KM; OBS: 7
JDGMT: 0 DPHI: -163

82 9 24 21 AZ: 4 7 8 10 12 15 16 19 21 23 24 26 28 30 33 34 36 37 41 42 46 47 49
R = 15.0 KM; OBS: 6 2 9 1 6 0 12 0 13 16 24 9 19 16 16 12 34 6 17 16 19 18 18
JDGMT: 2 DPHI: -43 -41 -39 -37 -35 -33 -32 -28 -26 -24 -23 -22 -19 -18 -14 -13 -11 -10 -6 -6 -2 0 1

      AZ: 50 53 54 57 58 59 62 65 66 69 70 73 76 78 80 83 84 87 88 90 92
      OBS: 19 14 21 20 18 10 0 17 18 14 12 26 19 13 15 16 20 90 13 10 17
      DPHI: 3 5 7 9 11 12 15 18 19 21 23 26 29 31 32 36 37 39 41 43 45

82 9 24 21 AZ: 2 4 7 9 10 12 15 17 18 20 23 25 28 31 34 35 37 38 41 42 45 47 50
R = 20.0 KM; OBS: 4 4 4 3 0 14 5 8 5 22 17 4 11 17 19 23 20 21 19 22 34 22 30
JDGMT: 2 DPHI: -45 -43 -40 -39 -37 -35 -32 -30 -29 -27 -25 -23 -19 -17 -14 -13 -11 -9 -6 -5 -2 0 3

      AZ: 50 52 55 57 59 61 62 65 66 69 70 72 74 77 78 81 83 84 86 88 92
      OBS: 26 20 20 20 21 24 17 14 22 24 19 20 16 31 24 18 15 13 10 38 11
      DPHI: 3 5 7 10 12 13 15 18 19 22 22 25 27 30 31 33 35 37 39 41 45

82 9 24 21 AZ: 6 9 11 12 15 18 20 23 24 26 31 32 34 35 38 41 42 44 47 50 53 54 56
R = 30.0 KM; OBS: 10 0 0 11 15 10 13 9 11 11 19 23 20 23 24 28 23 25 31 31 32 20 17
JDGMT: 3 DPHI: -41 -39 -36 -35 -32 -29 -27 -25 -23 -22 -17 -15 -14 -12 -9 -7 -5 -3 0 3 6 7 9

      AZ: 58 61 62 64 66 69 71 73 77 79 81 83 84 86 89 90 92
      OBS: 9 18 18 25 23 9 8 6 15 5 9 3 0 1 0 8 0
      DPHI: 11 13 15 17 19 21 23 25 29 31 33 35 37 39 42 43 45

82 9 24 21 AZ: 6 9 16 19 23 25 31 34 40 43 50 55 58 62 66 71 74 79 83 87 90

```

R = 50.0 KM; OBS: 1 27 48 40 70 66 44 35 49 65 17 3 9 12 0 0 1 0 0 0 5  
JDGMT: 3 DPHI: -41 -38 -31 -29 -25 -22 -17 -13 -8 -5 3 7 11 15 19 24 27 31 35 40 43

82 9 24 22 AZ: 1 23  
R = 0.5 KM; OBS: 7 11  
JDGMT: 0 DPHI: -45 -24

82 9 24 22 AZ: 357 5 14 23 30 42 46 54 59 61 70 78 87  
R = 3.0 KM; OBS: 12 21 13 0 11 15 14 10 0 13 20 23 29  
JDGMT: 2 DPHI: -50 -42 -32 -24 -17 -4 0 8 12 14 24 32 40

82 9 24 22 AZ: 259 274  
R = 5.0 KM; OBS: 0 9  
JDGMT: 0 DPHI: -148 -133

82 9 24 22 AZ: 249 5 9 12 16 20 24 28 33 36 40 44 48 52 56 60 64 70 72 76 80 84 85  
R = 7.0 KM; OBS: 8 6 6 12 20 15 19 16 15 12 13 28 22 19 24 24 20 21 4 21 18 17 17  
JDGMT: 3 DPHI: -158 -42 -38 -34 -31 -27 -23 -18 -14 -11 -7 -2 1 6 10 14 18 24 26 29 34 38 38

AZ: 92  
OBS: 20  
DPHI: 46

82 9 24 22 AZ: 244  
R = 10.0 KM; OBS: 5  
JDGMT: 0 DPHI: -163

82 9 24 22 AZ: 4 7 8 10 12 15 16 19 21 23 24 26 28 30 33 34 36 37 41 42 46 47 49  
R = 15.0 KM; OBS: 3 6 0 5 12 10 9 17 7 15 17 11 13 19 6 14 28 15 22 20 19 18 16  
JDGMT: 2 DPHI: -43 -40 -39 -37 -34 -32 -31 -28 -26 -24 -23 -21 -18 -17 -14 -13 -11 -9 -5 -5 -1 0 2

AZ: 50 53 54 57 58 59 62 65 66 69 70 73 76 78 80 83 84 87 88 90 92  
OBS: 30 19 25 20 26 17 24 15 15 13 18 6 21 12 19 9 18 109 31 18 13  
DPHI: 4 6 8 10 12 13 16 18 19 22 23 27 29 32 33 36 38 40 41 43 45

82 9 24 22 AZ: 2 4 7 9 10 12 15 17 18 20 23 25 28 31 34 35 37 38 41 42 45 47 50  
R = 20.0 KM; OBS: 8 13 5 4 17 7 17 11 8 8 2 8 27 10 17 14 10 17 28 0 20 19 22  
JDGMT: 3 DPHI: -45 -42 -39 -38 -37 -34 -31 -30 -28 -26 -24 -22 -18 -16 -13 -12 -10 -9 -6 -4 -1 0 3

AZ: 50 52 55 57 59 61 62 65 66 69 70 72 74 77 78 81 83 84 86 88 92  
OBS: 29 26 23 15 25 23 21 17 22 10 24 25 0 6 14 0 7 14 21 12 4  
DPHI: 4 5 8 11 12 14 16 18 20 23 23 26 28 30 32 34 36 38 40 42 45

82 9 24 22 AZ: 6 9 11 12 15 18 20 23 24 26 31 32 34 35 38 41 42 44 47 50 53 54 56  
R = 30.0 KM; OBS: 7 11 12 10 0 14 13 13 21 26 20 19 37 21 27 33 21 28 40 44 22 33 7  
JDGMT: 3 DPHI: -40 -38 -36 -34 -32 -29 -27 -24 -22 -21 -16 -14 -13 -12 -9 -6 -4 -2 0 3 6 7 9

AZ: 58 61 62 64 66 69 71 73 77 79 81 83 84 86 89 90 92  
OBS: 9 17 15 9 10 0 12 10 7 10 7 2 2 28 0 0 0  
DPHI: 12 14 16 18 20 22 24 26 30 32 34 36 38 40 42 44 45

82 9 24 22 AZ: 6 9 16 19 23 25 31 34 40 43 50 55 58 62 66 71 74 79 83 87 90

R = 50.0 KM; OBS: 12 14 35 31 59 55 35 60 63 73 4 11 10 3 0 2 0 2 0 3 7  
 JDGMT: 3 DPHI: -40 -37 -30 -28 -24 -22 -16 -12 -7 -4 3 8 11 16 19 24 28 32 36 40 44

82 9 24 23 AZ: 1 23  
 R = 0.5 KM; OBS: 17 21  
 JDGMT: 0 DPHI: -44 -23

82 9 24 23 AZ: 357 5 14 23 30 42 46 54 59 61 70 78 87  
 R = 3.0 KM; OBS: 8 9 15 17 17 28 28 18 23 15 22 28 17  
 JDGMT: 3 DPHI: -49 -40 -31 -23 -16 -3 1 9 13 15 25 33 42

82 9 24 23 AZ: 259 274  
 R = 5.0 KM; OBS: 9 12  
 JDGMT: 0 DPHI: -147 -131

82 9 24 23 AZ: 249 5 9 12 16 20 24 28 33 36 40 44 48 52 56 60 64 70 72 76 80 84 85  
 R = 7.0 KM; OBS: 4 17 10 0 16 6 18 12 18 21 16 28 25 23 21 20 18 22 19 13 10 18 4  
 JDGMT: 3 DPHI: -156 -41 -37 -33 -29 -26 -22 -17 -13 -9 -6 -1 3 7 11 15 19 25 27 31 35 39 39

AZ: 92  
 OBS: 8  
 DPHI: 47

82 9 24 23 AZ: 244  
 R = 10.0 KM; OBS: 8  
 JDGMT: 0 DPHI: -161

82 9 24 23 AZ: 4 7 8 10 12 15 16 19 21 23 24 26 28 30 33 34 36 37 41 42 46 47 49  
 R = 15.0 KM; OBS: 4 7 0 2 12 14 18 10 12 9 17 13 16 19 14 18 24 28 1 14 15 26 15  
 JDGMT: 2 DPHI: -41 -39 -37 -35 -33 -31 -30 -26 -24 -22 -21 -20 -17 -16 -12 -11 -9 -8 -4 -4 0 2 3

AZ: 50 53 54 57 58 59 62 65 66 69 70 73 76 78 80 83 84 87 88 90 92  
 OBS: 18 18 18 19 16 29 6 20 14 10 13 16 4 9 9 3 25 164 38 7 3  
 DPHI: 5 7 9 11 13 14 17 20 21 23 25 28 31 33 34 38 39 41 43 45 47

82 9 24 23 AZ: 2 4 7 9 10 12 15 17 18 20 23 25 28 31 34 35 37 38 41 42 45 47 50  
 R = 20.0 KM; OBS: 10 5 6 8 6 3 10 23 19 0 27 16 19 13 29 16 27 31 18 14 21 38 26  
 JDGMT: 3 DPHI: -43 -41 -38 -37 -35 -33 -30 -28 -27 -25 -23 -21 -17 -15 -12 -11 -9 -7 -4 -3 0 2 5

AZ: 50 52 55 57 59 61 62 65 66 69 70 72 74 77 78 81 83 84 86 88 92  
 OBS: 23 19 17 15 14 17 30 18 19 15 16 14 15 23 8 5 7 29 17 30 5  
 DPHI: 5 7 9 12 14 15 17 20 21 24 24 27 29 32 33 35 37 39 41 43 47

82 9 24 23 AZ: 6 9 11 12 15 18 20 23 24 26 31 32 34 35 38 41 42 44 47 50 53 54 56  
 R = 30.0 KM; OBS: 15 14 18 0 12 19 17 15 9 12 14 22 22 7 8 25 23 27 33 28 21 24 13  
 JDGMT: 3 DPHI: -39 -37 -34 -33 -30 -27 -25 -23 -21 -20 -15 -13 -12 -11 -7 -5 -3 -1 2 5 8 9 11

AZ: 58 61 62 64 66 69 71 73 77 79 81 83 84 86 89 90 92  
 OBS: 14 14 3 15 9 0 0 0 3 9 4 5 0 1 11 2 0  
 DPHI: 13 15 17 19 21 23 25 27 31 33 35 37 39 41 44 45 47

82 9 24 23 AZ: 6 9 16 19 23 25 31 34 40 43 50 55 58 62 66 71 74 79 83 87 90

R = 50.0 KM; OBS: 14 11 33 34 50 49 63 69 57 70 30 5 0 6 0 2 1 0 0 0 0  
 JDGMT: 3 DPHI: -39 -36 -29 -27 -23 -20 -15 -11 -6 -3 5 9 13 17 21 26 29 33 37 42 45

82 9 24 24 AZ: 1 23  
 R = 0.5 KM; OBS: 13 17  
 JDGMT: 0 DPHI: -45 -23

82 9 24 24 AZ: 357 5 14 23 30 42 46 54 59 61 70 78 87  
 R = 3.0 KM; OBS: 7 12 13 18 17 16 12 0 18 21 0 19  
 JDGMT: 2 DPHI: -49 -41 -32 -23 -16 -3 1 8 13 15 25 33 41

82 9 24 24 AZ: 259 274  
 R = 5.0 KM; OBS: 14 8  
 JDGMT: 0 DPHI: -147 -132

82 9 24 24 AZ: 249 5 9 12 16 20 24 28 33 36 40 44 48 52 56 60 64 70 72 76 80 84 85  
 R = 7.0 KM; OBS: 2 8 3 18 1 13 12 28 11 17 23 17 21 24 25 43 27 19 25 10 16 11 14  
 JDGMT: 3 DPHI: -157 -41 -37 -34 -30 -26 -22 -17 -13 -10 -6 -1 2 6 10 14 18 25 27 30 34 39 39

AZ: 92  
 OBS: 11  
 DPHI: 46

82 9 24 24 AZ: 244  
 R = 10.0 KM; OBS: 8  
 JDGMT: 0 DPHI: -162

82 9 24 24 AZ: 4 7 8 10 12 15 16 19 21 23 24 26 28 30 33 34 36 37 41 42 46 47 49  
 R = 15.0 KM; OBS: 11 0 6 11 11 8 11 6 9 19 18 9 17 25 16 13 18 8 18 15 17 8 18  
 JDGMT: 2 DPHI: -42 -39 -38 -36 -33 -31 -30 -27 -25 -23 -22 -20 -17 -16 -13 -12 -10 -8 -5 -4 0 1 3

AZ: 50 53 54 57 58 59 62 65 66 69 70 73 76 78 80 83 84 87 88 90 92  
 OBS: 18 15 21 21 6 18 15 5 12 10 13 18 15 7 9 2 14 163 68 20 14  
 DPHI: 4 7 9 11 13 14 16 19 20 23 24 27 30 33 34 37 38 41 42 44 46

82 9 24 24 AZ: 2 4 7 9 10 12 15 17 18 20 23 25 28 31 34 35 37 38 41 42 45 47 50  
 R = 20.0 KM; OBS: 0 2 4 4 9 12 10 13 18 13 7 9 14 21 22 20 4 27 15 18 19 25 24  
 JDGMT: 3 DPHI: -44 -42 -39 -37 -36 -33 -30 -29 -27 -25 -23 -21 -17 -15 -12 -11 -9 -8 -5 -3 -1 1 4

AZ: 50 52 55 57 59 61 62 65 66 69 70 72 74 77 78 81 83 84 86 88 92  
 OBS: 21 19 16 18 5 0 9 11 6 18 12 19 11 5 14 9 5 6 22 10 7  
 DPHI: 4 6 9 12 13 15 16 19 20 24 24 27 29 31 33 35 37 39 40 42 46

82 9 24 24 AZ: 6 9 11 12 15 18 20 23 24 26 31 32 34 35 38 41 42 44 47 50 53 54 56  
 R = 30.0 KM; OBS: 0 20 13 13 16 18 28 22 15 13 21 20 24 2 21 23 24 34 45 24 23 11 5  
 JDGMT: 3 DPHI: -39 -37 -35 -33 -31 -28 -26 -23 -22 -20 -15 -14 -12 -11 -8 -5 -3 -2 1 4 7 8 10

AZ: 58 61 62 64 66 69 71 73 77 79 81 83 84 86 89 90 92  
 OBS: 5 0 12 5 19 0 4 0 12 3 7 12 6 4 2 3 8  
 DPHI: 13 15 16 19 20 23 25 27 31 33 35 37 39 40 43 45 46

82 9 24 24 AZ: 6 9 16 19 23 25 31 34 40 43 50 55 58 62 66 71 74 79 87 90

R = 50.0 KM; OBS: 11 11 21 32 37 42 60 70 80 70 20 10 20 6 8 0 2 0 0 0  
JDGMT: 3 DPHI: -39 -36 -30 -27 -23 -21 -15 -11 -6 -3 4 9 12 17 20 25 28 33 41 45

82 9 26 11 AZ: 182 205  
R = 0.5 KM; OBS: 8 7  
JDGMT: 0 DPHI: -60 -37

82 9 26 11 AZ: 174 230 238 262 278  
R = 3.0 KM; OBS: 5 15 4 0 0  
JDGMT: 1 DPHI: -68 -12 -4 20 36

82 9 26 11 AZ: 174 178 182 186 190 193 199 202 206 210 214 218 221 226 230 251 254 259 271 274 279  
R = 5.0 KM; OBS: 0 0 0 4 0 4 7 9 9 3 0 1 6 20 45 0 0 0 1 12 0  
JDGMT: 2 DPHI: -68 -64 -60 -57 -52 -49 -44 -40 -36 -32 -29 -24 -21 -16 -13 9 12 16 28 32 36

82 9 26 11 AZ: 186 189 191 192 194 197 199 201 202 204 208 211 212 214 217 219 227 228 230 232 233 234 236  
R = 7.0 KM; OBS: 0 8 0 0 3 0 3 0 1 2 5 3 0 6 2 0 0 15 16 12 18 51 68  
JDGMT: 3 DPHI: -56 -54 -52 -50 -48 -46 -43 -42 -40 -38 -34 -32 -30 -28 -26 -24 -16 -14 -12 -10 -10 -8 -6

AZ: 238 240 242 244 246 248 250 252 254 257 258 262 264 267 268 270 270 273 274 277  
OBS: 0 130 162 99 31 192 203 81 23 10 0 0 1 1 1 0 1 0 8 3  
DPHI: -4 -2 0 2 4 5 8 10 12 14 16 20 22 24 26 28 28 30 32 34

82 9 26 11 AZ: 178 182 184 186 188 190 193 194 196 197 199 201 203 206 207 212 214 216 218 221 229 233 235  
R = 10.0 KM; OBS: 1 2 8 0 3 7 4 3 4 0 0 4 2 6 0 0 7 1 0 0 10 16  
JDGMT: 3 DPHI: -64 -61 -58 -56 -54 -52 -50 -49 -46 -45 -43 -42 -39 -36 -35 -30 -28 -26 -25 -21 -14 -9 -7

AZ: 239 240 244 245 246 248 251 253 254 256 259 260 263 265 267 268 270 273 273 276 288  
OBS: 88 145 129 37 301 309 137 60 20 1 8 0 0 1 0 3 0 5 0 0 0  
DPHI: -3 -2 2 3 4 5 8 10 12 13 17 18 20 22 24 26 28 30 31 34 46

82 9 26 11 AZ: 184 185 188 190 193 195 197 199 201 202 205 206 209 210 212 225 226 229 230 233 234 237 238  
R = 15.0 KM; OBS: 0 0 6 1 3 0 3 1 6 2 0 2 7 0 0 0 0 6 3 0 6 4 3  
JDGMT: 2 DPHI: -58 -57 -54 -52 -50 -48 -45 -43 -42 -40 -38 -37 -34 -32 -30 -17 -16 -14 -13 -10 -8 -6 -5

AZ: 240 242 244 247 261 262 264 266 270 272 274 276 288  
OBS: 48 17 57 143 15 0 0 0 4 1 0 0 11  
DPHI: -2 0 2 4 18 20 22 24 28 29 32 34 46

82 9 26 11 AZ: 180 184 188 192 197 200 204 208 212 217 220 224 228 233 236 239 244 248 252 256 260 264 268  
R = 20.0 KM; OBS: 4 0 4 0 0 0 6 0 4 0 0 7 8 19 0 0 16 27 60 31 0 1 2  
JDGMT: 3 DPHI: -62 -59 -55 -51 -46 -42 -38 -34 -31 -26 -22 -18 -14 -9 -6 -3 1 5 10 14 18 22 26

AZ: 272 276  
OBS: 3 0  
DPHI: 29 34

82 9 26 12 AZ: 182 205  
R = 0.5 KM; OBS: 0 0  
JDGMT: 0 DPHI: -60 -36

82 9 26 12 AZ: 174 230 238 262 278

R = 3.0 KM; OBS: 15 35 15 0 8  
 JDGMT: 1 DPHI: -67 -11 -3 21 37

82 9 26 12 AZ: 174 178 182 186 190 193 199 202 206 210 214 218 221 226 230 251 254 259 271 274 279  
 R = 5.0 KM; OBS: 0 0 0 5 5 1 0 0 0 7 33 102 123 145 184 19 2 2 0 0 0  
 JDGMT: 3 DPHI: -67 -63 -59 -56 -52 -48 -43 -39 -35 -32 -28 -23 -20 -15 -12 10 13 17 29 33 37

82 9 26 12 AZ: 186 189 191 192 194 197 199 201 202 204 206 208 211 212 214 217 219 227 228 230 232 233 234  
 R = 7.0 KM; OBS: 1 0 0 0 0 3 0 3 3 1 6 3 11 10 6 3 25 52 104 110 137 69 175  
 JDGMT: 3 DPHI: -55 -53 -51 -49 -47 -45 -42 -41 -39 -37 -35 -34 -31 -29 -27 -25 -23 -15 -13 -11 -10 -9 -7

AZ: 236 238 240 242 244 246 248 250 252 254 257 258 260 262 264 267 268 270 270 273 274 277 285  
 OBS: 301 239 351 466 365 324 462 245 133 59 5 0 2 7 1 0 1 0 2 4 0 5 5  
 DPHI: -5 -3 -1 0 3 5 6 9 10 12 15 17 18 21 23 25 27 28 29 31 33 35 43

82 9 26 12 AZ: 178 182 184 186 188 190 193 194 196 199 201 203 206 207 209 212 214 216 218 221 221 229 233  
 R = 10.0 KM; OBS: 0 2 0 0 0 0 10 2 8 0 8 0 0 0 0 0 5 7 0 17 16 130  
 JDGMT: -3 DPHI: -63 -60 -57 -55 -53 -51 -49 -48 -46 -42 -41 -39 -35 -34 -32 -29 -27 -25 -24 -20 -20 -13 -8

AZ: 235 239 240 244 245 246 248 251 253 254 256 259 260 263 265 267 268 270 273 273 276 288  
 OBS: 212 336 379 509 519 477 420 93 38 48 11 27 6 5 4 0 11 6 0 1 2 5  
 DPHI: -6 -3 -2 3 4 5 6 9 11 12 14 18 19 21 23 25 27 29 31 32 35 47

82 9 26 12 AZ: 184 185 188 190 193 195 197 199 201 202 205 206 209 210 212 225 226 229 230 233 234 237 238  
 R = 15.0 KM; OBS: 0 0 0 7 0 0 0 0 0 1 0 1 0 2 2 2 0 3 2 14 44 55 75  
 JDGMT: 3 DPHI: -57 -56 -53 -51 -49 -47 -44 -43 -41 -40 -37 -36 -33 -31 -29 -16 -15 -13 -12 -9 -7 -5 -4

AZ: 240 242 244 247 256 261 262 264 266 270 272 274 276 288  
 OBS: 217 194 278 382 18 12 4 8 0 0 1 3 7 2  
 DPHI: -1 1 3 5 15 19 21 23 25 29 30 32 34 47

82 9 26 12 AZ: 180 184 188 192 197 200 204 208 212 217 220 224 228 233 236 239 244 248 252 256 260 264 268  
 R = 20.0 KM; OBS: 1 0 2 0 0 3 0 1 10 0 7 5 1 9 0 24 90 261 265 90 7 0 0  
 JDGMT: 2 DPHI: -61 -58 -54 -50 -45 -41 -37 -33 -30 -25 -21 -17 -13 -9 -5 -2 2 6 11 15 19 23 27

AZ: 272 276  
 OBS: 0 0  
 DPHI: 30 35

82 9 26 13 AZ: 182 205  
 R = 0.5 KM; OBS: 24 10  
 JDGMT: 0 DPHI: -67 -44

82 9 26 13 AZ: 174 230 238 262 278  
 R = 3.0 KM; OBS: 0 62 80 99 13  
 JDGMT: 1 DPHI: -75 -18 -10 13 29

82 9 26 13 AZ: 174 178 182 186 190 193 199 202 206 210 214 218 221 226 230 251 254 259 271 274 279  
 R = 5.0 KM; OBS: 0 2 0 0 0 1 0 0 3 0 8 49 65 67 85 76 90 160 52 54 61  
 JDGMT: 3 DPHI: -75 -70 -67 -63 -59 -55 -50 -47 -43 -39 -35 -31 -28 -23 -19 2 5 10 22 25 30

82 9 26 13 AZ: 186 189 191 192 194 197 199 201 202 206 208 211 212 214 217 219 227 228 230 232 233 234 236

|              |       |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|--------------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|
| R = 7.0 KM;  | OBS:  | 0     | 3   | 0   | 8   | 3   | 4   | 2   | 8   | 0   | 5   | 5   | 13  | 11  | 21  | 19  | 44  | 41  | 70  | 91  | 89  | 90  | 34  | 139 |     |  |  |
| JDGMT:       | 3     | DPHI: | -63 | -60 | -58 | -57 | -54 | -52 | -50 | -48 | -47 | -42 | -41 | -38 | -37 | -35 | -32 | -30 | -22 | -21 | -19 | -17 | -16 | -15 | -13 |  |  |
|              | AZ:   | 238   | 240 | 242 | 244 | 246 | 248 | 250 | 252 | 254 | 257 | 258 | 260 | 262 | 264 | 267 | 268 | 270 | 270 | 273 | 274 | 277 | 285 |     |     |  |  |
|              | OBS:  | 134   | 159 | 200 | 142 | 205 | 257 | 222 | 161 | 117 | 96  | 63  | 74  | 67  | 91  | 134 | 108 | 115 | 120 | 82  | 58  | 59  | 15  |     |     |  |  |
|              | DPHI: | -11   | -9  | -7  | -5  | -2  | -1  | 1   | 3   | 5   | 8   | 10  | 11  | 13  | 15  | 18  | 20  | 21  | 21  | 24  | 25  | 28  | 36  |     |     |  |  |
| 82 9 26 13   | AZ:   | 178   | 182 | 184 | 186 | 188 | 190 | 193 | 194 | 196 | 197 | 199 | 201 | 203 | 206 | 207 | 209 | 212 | 214 | 216 | 218 | 221 | 221 | 229 |     |  |  |
| R = 10.0 KM; | OBS:  | 3     | 1   | 3   | 3   | 0   | 2   | 0   | 0   | 1   | 0   | 0   | 0   | 3   | 7   | 7   | 2   | 3   | 0   | 7   | 0   | 13  | 0   | 29  |     |  |  |
| JDGMT:       | 3     | DPHI: | -71 | -67 | -65 | -63 | -61 | -59 | -56 | -55 | -53 | -52 | -50 | -48 | -46 | -43 | -41 | -40 | -36 | -35 | -33 | -31 | -28 | -28 | -20 |  |  |
|              | AZ:   | 233   | 235 | 239 | 240 | 244 | 245 | 246 | 248 | 251 | 253 | 254 | 256 | 259 | 260 | 263 | 265 | 267 | 268 | 270 | 273 | 273 | 276 | 285 |     |  |  |
|              | OBS:  | 95    | 131 | 119 | 129 | 224 | 249 | 244 | 266 | 200 | 185 | 130 | 90  | 50  | 55  | 68  | 63  | 60  | 73  | 105 | 90  | 79  | 68  | 23  |     |  |  |
|              | DPHI: | -16   | -13 | -10 | -9  | -5  | -4  | -3  | -1  | 2   | 4   | 5   | 7   | 10  | 11  | 14  | 16  | 18  | 19  | 21  | 24  | 25  | 28  | 36  |     |  |  |
|              | AZ:   | 288   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              | OBS:  | 20    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              | DPHI: | 39    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| 82 9 26 13   | AZ:   | 184   | 185 | 188 | 190 | 193 | 195 | 197 | 199 | 201 | 202 | 205 | 206 | 209 | 210 | 212 | 225 | 226 | 229 | 230 | 233 | 234 | 237 | 238 |     |  |  |
| R = 15.0 KM; | OBS:  | 9     | 0   | 0   | 5   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 7   | 0   | 0   | 0   | 0   | 2   | 2   | 9   | 29  | 78  | 104 | 140 |     |  |  |
| JDGMT:       | 3     | DPHI: | -65 | -63 | -61 | -59 | -56 | -54 | -52 | -50 | -48 | -47 | -44 | -43 | -40 | -38 | -37 | -24 | -22 | -20 | -19 | -16 | -15 | -12 | -11 |  |  |
|              | AZ:   | 240   | 242 | 244 | 247 | 248 | 251 | 252 | 254 | 256 | 258 | 261 | 262 | 264 | 266 | 270 | 272 | 274 | 276 | 282 | 288 |     |     |     |     |  |  |
|              | OBS:  | 214   | 195 | 222 | 264 | 291 | 199 | 169 | 168 | 128 | 130 | 25  | 30  | 15  | 23  | 32  | 19  | 22  | 7   | 10  | 12  |     |     |     |     |  |  |
|              | DPHI: | -9    | -7  | -5  | -2  | -1  | 2   | 4   | 5   | 7   | 9   | 12  | 14  | 15  | 17  | 21  | 23  | 25  | 27  | 33  | 39  |     |     |     |     |  |  |
| 82 9 26 13   | AZ:   | 180   | 184 | 188 | 192 | 197 | 200 | 204 | 208 | 212 | 217 | 220 | 224 | 228 | 233 | 236 | 239 | 244 | 248 | 252 | 256 | 260 | 264 | 268 |     |  |  |
| R = 20.0 KM; | OBS:  | 0     | 4   | 2   | 0   | 0   | 0   | 2   | 2   | 12  | 2   | 0   | 0   | 2   | 10  | 22  | 64  | 107 | 189 | 147 | 57  | 27  | 7   | 10  |     |  |  |
| JDGMT:       | 3     | DPHI: | -69 | -65 | -61 | -57 | -52 | -49 | -44 | -41 | -37 | -32 | -29 | -24 | -20 | -16 | -12 | -9  | -5  | -1  | 3   | 8   | 11  | 16  | 19  |  |  |
|              | AZ:   | 272   | 276 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              | OBS:  | 11    | 9   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              | DPHI: | 23    | 27  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| 82 9 26 14   | AZ:   | 182   | 205 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| R = 0.5 KM;  | OBS:  | 8     | 60  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| JDGMT:       | 0     | DPHI: | -79 | -55 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| 82 9 26 14   | AZ:   | 174   | 230 | 238 | 262 | 278 | 286 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| R = 3.0 KM;  | OBS:  | 0     | 12  | 36  | 169 | 151 | 234 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| JDGMT:       | 2     | DPHI: | -87 | -30 | -22 | 2   | 18  | 25  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| 82 9 26 14   | AZ:   | 174   | 178 | 182 | 186 | 190 | 193 | 199 | 202 | 206 | 210 | 214 | 218 | 221 | 226 | 230 | 251 | 254 | 259 | 271 | 274 | 279 |     |     |     |  |  |
| R = 5.0 KM;  | OBS:  | 0     | 0   | 0   | 6   | 3   | 0   | 4   | 0   | 0   | 1   | 0   | 1   | 0   | 0   | 2   | 48  | 44  | 66  | 282 | 264 | 273 |     |     |     |  |  |
| JDGMT:       | 2     | DPHI: | -86 | -82 | -78 | -75 | -71 | -67 | -62 | -59 | -54 | -51 | -47 | -42 | -39 | -34 | -31 | -9  | -7  | -2  | 10  | 14  | 18  |     |     |  |  |
| 82 9 26 14   | AZ:   | 186   | 189 | 191 | 192 | 194 | 197 | 199 | 201 | 202 | 204 | 206 | 208 | 211 | 212 | 214 | 217 | 219 | 227 | 228 | 230 | 232 | 233 | 234 |     |  |  |
| R = 7.0 KM;  | OBS:  | 0     | 0   | 0   | 0   | 4   | 1   | 6   | 0   | 0   | 5   | 0   | 5   | 4   | 0   | 2   | 5   | 5   | 8   | 4   | 2   | 10  | 9   | 12  |     |  |  |
| JDGMT:       | 2     | DPHI: | -74 | -72 | -70 | -68 | -66 | -64 | -61 | -60 | -59 | -56 | -54 | -53 | -50 | -48 | -46 | -44 | -42 | -34 | -33 | -30 | -29 | -28 | -26 |  |  |
|              | AZ:   | 236   | 238 | 240 | 242 | 244 | 246 | 248 | 250 | 252 | 254 | 257 | 258 | 260 | 262 | 264 | 267 | 268 | 270 | 270 | 273 | 274 | 277 | 285 |     |  |  |



|              |       |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|              | OBS:  | 16    | 14  | 34  | 22  | 57  | 48  | 56  | 62  | 116 | 127 | 124 | 130 | 128 | 116 | 149 | 158 | 170 | 133 | 140 | 153 | 143 | 165 | 145 |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|              | DPHI: | -25   | -22 | -21 | -19 | -16 | -14 | -13 | -11 | -9  | -7  | -4  | -2  | -1  | 2   | 4   | 6   | 8   | 9   | 10  | 12  | 14  | 16  | 24  |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 82           | 9     | 26    | 14  | AZ: | 178 | 182 | 184 | 186 | 188 | 190 | 193 | 194 | 196 | 197 | 199 | 201 | 203 | 206 | 207 | 209 | 212 | 214 | 216 | 218 | 221 | 221 | 229 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| R = 10.0 KM; | OBS:  | 0     | 0   | 8   | 10  | 0   | 3   | 2   | 7   | 0   | 0   | 2   | 6   | 4   | 5   | 1   | 4   | 0   | 8   | 13  | 8   | 3   | 7   | 7   |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| JDGMT:       | 2     | DPHI: | -82 | -79 | -76 | -74 | -72 | -70 | -68 | -67 | -65 | -63 | -61 | -60 | -58 | -54 | -53 | -51 | -48 | -46 | -44 | -43 | -39 | -39 | -32 |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|              | AZ:   | 233   | 235 | 239 | 240 | 244 | 246 | 248 | 251 | 253 | 254 | 256 | 259 | 260 | 263 | 265 | 267 | 268 | 270 | 273 | 273 | 276 | 285 | 288 |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|              | OBS:  | 17    | 33  | 38  | 45  | 46  | 45  | 47  | 96  | 83  | 87  | 100 | 88  | 93  | 91  | 97  | 32  | 85  | 61  | 137 | 130 | 54  | 73  | 72  |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|              | DPHI: | -27   | -25 | -22 | -21 | -17 | -14 | -13 | -10 | -8  | -7  | -5  | -1  | 0   | 2   | 4   | 6   | 8   | 9   | 12  | 13  | 16  | 24  | 28  |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 82           | 9     | 26    | 14  | AZ: | 184 | 185 | 188 | 190 | 193 | 195 | 197 | 199 | 201 | 202 | 205 | 206 | 209 | 210 | 212 | 225 | 226 | 229 | 230 | 233 | 234 | 237 | 238 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| R = 15.0 KM; | OBS:  | 1     | 0   | 0   | 2   | 7   | 0   | 2   | 0   | 2   | 5   | 12  | 2   | 4   | 6   | 0   | 0   | 0   | 0   | 7   | 17  | 9   | 32  | 36  |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| JDGMT:       | 3     | DPHI: | -76 | -75 | -72 | -70 | -68 | -66 | -63 | -62 | -60 | -59 | -56 | -55 | -52 | -50 | -48 | -36 | -34 | -32 | -31 | -28 | -26 | -24 | -23 |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|              | AZ:   | 240   | 242 | 244 | 247 | 248 | 251 | 252 | 254 | 256 | 258 | 261 | 262 | 264 | 266 | 270 | 272 | 274 | 276 | 282 | 288 |     |     |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|              | OBS:  | 59    | 70  | 105 | 101 | 125 | 161 | 151 | 151 | 177 | 148 | 122 | 109 | 85  | 75  | 78  | 85  | 65  | 39  | 54  | 51  |     |     |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|              | DPHI: | -20   | -18 | -16 | -14 | -12 | -10 | -8  | -6  | -4  | -2  | 0   | 2   | 4   | 6   | 10  | 11  | 13  | 15  | 21  | 28  |     |     |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 82           | 9     | 26    | 14  | AZ: | 180 | 184 | 188 | 192 | 197 | 200 | 204 | 208 | 212 | 217 | 220 | 224 | 228 | 233 | 236 | 239 | 244 | 248 | 252 | 256 | 260 | 264 | 268 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| R = 20.0 KM; | OBS:  | 0     | 0   | 4   | 0   | 1   | 0   | 5   | 2   | 3   | 0   | 0   | 4   | 16  | 4   | 22  | 17  | 50  | 61  | 94  | 95  | 73  | 57  | 39  |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| JDGMT:       | 3     | DPHI: | -81 | -77 | -73 | -69 | -64 | -60 | -56 | -52 | -49 | -44 | -40 | -36 | -32 | -28 | -24 | -21 | -17 | -13 | -9  | -4  | 0   | 4   | 8   |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|              | AZ:   | 272   | 276 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|              | OBS:  | 24    | 10  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|              | DPHI: | 11    | 16  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 82           | 9     | 26    | 15  | AZ: | 182 | 205 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| R = 0.5 KM;  | OBS:  | 65    | 65  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| JDGMT:       | 0     | DPHI: | -76 | -53 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 82           | 9     | 26    | 15  | AZ: | 174 | 230 | 238 | 262 | 278 | 286 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| R = 3.0 KM;  | OBS:  | 4     | 4   | 16  | 59  | 65  | 97  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| JDGMT:       | 2     | DPHI: | -84 | -27 | -19 | 4   | 20  | 28  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 82           | 9     | 26    | 15  | AZ: | 174 | 178 | 182 | 186 | 190 | 193 | 199 | 202 | 206 | 210 | 214 | 218 | 221 | 226 | 230 | 251 | 254 | 259 | 271 | 274 | 279 |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| R = 5.0 KM;  | OBS:  | 0     | 5   | 0   | 2   | 0   | 4   | 7   | 8   | 3   | 3   | 13  | 2   | 7   | 11  | 9   | 39  | 46  | 46  | 93  | 82  | 90  |     |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| JDGMT:       | 2     | DPHI: | -84 | -79 | -76 | -72 | -68 | -65 | -59 | -56 | -52 | -48 | -44 | -40 | -37 | -32 | -28 | -7  | -4  | 1   | 13  | 16  | 21  |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 82           | 9     | 26    | 15  | AZ: | 186 | 189 | 191 | 192 | 194 | 197 | 199 | 201 | 202 | 204 | 206 | 208 | 211 | 212 | 214 | 217 | 219 | 227 | 228 | 230 | 232 | 233 | 234 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| R = 7.0 KM;  | OBS:  | 0     | 6   | 2   | 0   | 4   | 0   | 0   | 4   | 0   | 5   | 4   | 6   | 0   | 1   | 12  | 5   | 12  | 12  | 11  | 12  | 9   | 15  | 8   |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| JDGMT:       | 2     | DPHI: | -72 | -69 | -67 | -66 | -63 | -61 | -59 | -57 | -56 | -53 | -51 | -50 | -47 | -46 | -44 | -41 | -39 | -31 | -30 | -28 | -26 | -25 | -24 |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|              | AZ:   | 236   | 238 | 240 | 242 | 244 | 246 | 248 | 250 | 252 | 254 | 257 | 258 | 260 | 262 | 264 | 267 | 268 | 270 | 270 | 273 | 274 | 277 | 285 |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|              | OBS:  | 18    | 14  | 18  | 20  | 22  | 22  | 47  | 76  | 47  | 60  | 61  | 72  | 71  | 78  | 77  | 90  | 90  | 67  | 84  | 88  | 91  | 87  | 98  |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|              | DPHI: | -22   | -20 | -18 | -16 | -14 | -12 | -10 | -8  | -6  | -4  | -1  | 1   | 2   | 4   | 6   | 9   | 10  | 12  | 12  | 15  | 16  | 19  | 27  |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 82           | 9     | 26    | 15  | AZ: | 178 | 182 | 184 | 186 | 188 | 190 | 193 | 194 | 196 | 197 | 199 | 201 | 203 | 206 | 207 | 209 | 212 | 214 | 216 | 218 | 221 | 229 | 233 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| R = 10.0 KM; | OBS:  | 5     | 0   | 0   | 0   | 4   | 0   | 0   | 3   | 0   | 4   | 0   | 3   | 11  | 2   | 9   | 0   | 2   | 1   | 0   | 4   | 10  | 31  |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| JDGMT:       | 2     | DPHI: | -80 | -76 | -74 | -72 | -70 | -68 | -65 | -64 | -62 | -61 | -59 | -57 | -55 | -52 | -50 | -49 | -45 | -44 | -42 | -40 | -37 | -29 | -25 |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|              | AZ:   | 235   | 239 | 240 | 244 | 245 | 246 | 248 | 251 | 253 | 254 | 256 | 259 | 260 | 263 | 265 | 267 | 268 | 270 | 273 | 273 | 276 | 285 | 288 |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|              |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|              | OBS:  | 36  | 63  | 62  | 42  | 38  | 46  | 44  | 68  | 72  | 84  | 81  | 75  | 87  | 91  | 89  | 23  | 89  | 100 | 119 | 76  | 57  | 89  | 80  |
|              | DPHI: | -22 | -19 | -18 | -14 | -13 | -12 | -10 | -7  | -5  | -4  | -2  | 1   | 2   | 5   | 7   | 9   | 10  | 12  | 15  | 16  | 18  | 27  | 30  |
| 82 9 26 15   | AZ:   | 184 | 185 | 188 | 190 | 193 | 195 | 197 | 199 | 201 | 202 | 205 | 206 | 209 | 210 | 212 | 225 | 226 | 229 | 230 | 233 | 234 | 237 | 238 |
| R = 15.0 KM; | OBS:  | 4   | 1   | 0   | 0   | 6   | 8   | 7   | 0   | 0   | 0   | 0   | 0   | 6   | 0   | 0   | 5   | 8   | 18  | 27  | 24  | 60  | 51  | 62  |
| JDGMT: 2     | DPHI: | -74 | -72 | -70 | -68 | -65 | -63 | -61 | -59 | -57 | -56 | -53 | -52 | -49 | -48 | -46 | -33 | -31 | -29 | -28 | -25 | -24 | -21 | -20 |
|              | AZ:   | 240 | 242 | 244 | 247 | 248 | 251 | 252 | 254 | 256 | 258 | 261 | 262 | 264 | 266 | 270 | 272 | 274 | 276 | 282 | 288 |     |     |     |
|              | OBS:  | 67  | 24  | 30  | 34  | 33  | 32  | 41  | 34  | 49  | 51  | 44  | 45  | 39  | 42  | 66  | 77  | 76  | 73  | 73  | 68  |     |     |     |
|              | DPHI: | -18 | -16 | -14 | -11 | -10 | -7  | -5  | -4  | -2  | 0   | 3   | 5   | 6   | 8   | 12  | 14  | 16  | 18  | 24  | 30  |     |     |     |
| 82 9 26 15   | AZ:   | 180 | 184 | 188 | 192 | 197 | 200 | 204 | 208 | 212 | 217 | 220 | 224 | 228 | 233 | 236 | 239 | 244 | 248 | 252 | 256 | 260 | 264 | 268 |
| R = 20.0 KM; | OBS:  | 0   | 0   | 1   | 0   | 0   | 0   | 2   | 0   | 1   | 0   | 0   | 1   | 3   | 0   | 3   | 0   | 9   | 6   | 6   | 15  | 20  | 19  | 27  |
| JDGMT: 2     | DPHI: | -78 | -74 | -70 | -66 | -61 | -58 | -53 | -50 | -46 | -41 | -38 | -33 | -29 | -25 | -22 | -18 | -14 | -10 | -6  | -1  | 2   | 7   | 10  |
|              | AZ:   | 272 | 276 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 50  | 35  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 14  | 18  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 9 26 16   | AZ:   | 182 | 205 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 0.5 KM;  | OBS:  | 27  | 23  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     | DPHI: | -66 | -43 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 9 26 16   | AZ:   | 174 | 230 | 238 | 262 | 278 | 286 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 3.0 KM;  | OBS:  | 0   | 15  | 22  | 23  | 27  | 22  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 3     | DPHI: | -74 | -18 | -10 | 14  | 30  | 37  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 9 26 16   | AZ:   | 174 | 178 | 182 | 186 | 190 | 193 | 199 | 202 | 206 | 210 | 214 | 218 | 221 | 226 | 230 | 251 | 254 | 259 | 271 | 274 | 279 |     |     |
| R = 5.0 KM;  | OBS:  | 5   | 3   | 9   | 14  | 5   | 20  | 11  | 10  | 15  | 13  | 9   | 23  | 15  | 22  | 36  | 28  | 28  | 22  | 29  | 34  | 28  |     |     |
| JDGMT: 3     | DPHI: | -74 | -70 | -66 | -63 | -58 | -55 | -50 | -46 | -42 | -38 | -35 | -30 | -27 | -22 | -18 | 3   | 6   | 10  | 22  | 26  | 30  |     |     |
| 82 9 26 16   | AZ:   | 186 | 189 | 191 | 192 | 194 | 197 | 199 | 201 | 202 | 204 | 206 | 208 | 211 | 212 | 214 | 217 | 219 | 227 | 228 | 230 | 232 | 233 | 234 |
| R = 7.0 KM;  | OBS:  | 1   | 2   | 8   | 3   | 5   | 6   | 24  | 13  | 10  | 7   | 12  | 16  | 13  | 21  | 8   | 22  | 15  | 24  | 46  | 53  | 40  | 35  | 28  |
| JDGMT: 2     | DPHI: | -62 | -60 | -58 | -56 | -54 | -52 | -49 | -48 | -46 | -44 | -42 | -40 | -38 | -36 | -34 | -32 | -30 | -22 | -20 | -18 | -16 | -16 | -14 |
|              | AZ:   | 236 | 238 | 240 | 242 | 244 | 246 | 248 | 250 | 252 | 254 | 257 | 258 | 260 | 262 | 264 | 267 | 268 | 270 | 270 | 273 | 274 | 277 | 285 |
|              | OBS:  | 22  | 45  | 28  | 32  | 31  | 26  | 39  | 32  | 42  | 54  | 35  | 45  | 39  | 38  | 56  | 34  | 43  | 46  | 58  | 43  | 39  | 46  | 72  |
|              | DPHI: | -12 | -10 | -8  | -6  | -4  | -2  | -1  | 2   | 4   | 6   | 8   | 10  | 11  | 14  | 16  | 18  | 20  | 22  | 22  | 24  | 26  | 28  | 36  |
| 82 9 26 16   | AZ:   | 178 | 182 | 184 | 186 | 188 | 190 | 193 | 194 | 196 | 197 | 199 | 201 | 203 | 206 | 207 | 209 | 212 | 214 | 216 | 218 | 221 | 221 | 229 |
| R = 10.0 KM; | OBS:  | 1   | 0   | 0   | 0   | 1   | 0   | 2   | 0   | 0   | 8   | 10  | 0   | 5   | 4   | 5   | 3   | 8   | 0   | 12  | 9   | 9   | 16  | 41  |
| JDGMT: 2     | DPHI: | -70 | -67 | -64 | -62 | -60 | -58 | -56 | -55 | -52 | -51 | -49 | -48 | -45 | -42 | -41 | -39 | -36 | -34 | -32 | -31 | -27 | -27 | -20 |
|              | AZ:   | 233 | 235 | 239 | 240 | 244 | 245 | 246 | 248 | 251 | 253 | 254 | 256 | 259 | 260 | 263 | 265 | 267 | 268 | 270 | 273 | 273 | 276 | 285 |
|              | OBS:  | 40  | 47  | 66  | 32  | 33  | 37  | 39  | 38  | 40  | 33  | 46  | 34  | 42  | 66  | 64  | 42  | 55  | 52  | 69  | 64  | 51  | 52  | 75  |
|              | DPHI: | -15 | -13 | -9  | -8  | -4  | -3  | -2  | -1  | 2   | 4   | 6   | 7   | 11  | 12  | 14  | 16  | 18  | 20  | 22  | 24  | 25  | 28  | 36  |
|              | AZ:   | 288 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 51  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 40  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 9 26 16   | AZ:   | 184 | 185 | 188 | 190 | 193 | 195 | 197 | 199 | 201 | 202 | 205 | 206 | 209 | 210 | 212 | 225 | 226 | 229 | 230 | 233 | 234 | 237 | 238 |

|                   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| R = 15.0 KM; OBS: | 0   | 2   | 0   | 2   | 0   | 0   | 1   | 0   | 3   | 3   | 0   | 4   | 3   | 4   | 0   | 1   | 6   | 25  | 11  | 11  | 26  | 23  | 45  |
| JDGMT: 3 DPHI:    | -64 | -63 | -60 | -58 | -56 | -54 | -51 | -49 | -48 | -46 | -44 | -43 | -40 | -38 | -36 | -23 | -22 | -20 | -19 | -16 | -14 | -12 | -11 |
| AZ:               | 240 | 242 | 244 | 247 | 248 | 251 | 252 | 254 | 256 | 258 | 261 | 262 | 264 | 266 | 270 | 272 | 274 | 276 | 282 | 288 |     |     |     |
| OBS:              | 24  | 6   | 6   | 7   | 10  | 2   | 0   | 5   | 5   | 4   | 2   | 10  | 15  | 3   | 11  | 8   | 6   | 12  | 13  | 23  |     |     |     |
| DPHI:             | -8  | -6  | -4  | -2  | 0   | 2   | 4   | 6   | 8   | 10  | 12  | 14  | 16  | 18  | 22  | 23  | 26  | 28  | 33  | 40  |     |     |     |
| 82 9 26 16 AZ:    | 180 | 188 | 192 | 197 | 200 | 204 | 208 | 212 | 217 | 220 | 224 | 228 | 233 | 236 | 239 | 244 | 248 | 252 | 256 | 260 | 264 | 268 | 272 |
| R = 20.0 KM; OBS: | 5   | 0   | 0   | 1   | 7   | 4   | 5   | 3   | 8   | 0   | 5   | 3   | 6   | 0   | 3   | 0   | 32  | 0   | 4   | 5   | 0   | 0   | 1   |
| JDGMT: 2 DPHI:    | -68 | -61 | -57 | -52 | -48 | -44 | -40 | -37 | -32 | -28 | -24 | -20 | -15 | -12 | -9  | -5  | -1  | 4   | 8   | 12  | 16  | 20  | 23  |
| AZ:               | 276 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| OBS:              | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| DPHI:             | 28  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 9 26 17 AZ:    | 182 | 205 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 0.5 KM; OBS:  | 41  | 32  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0 DPHI:    | -56 | -33 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 9 26 17 AZ:    | 174 | 230 | 238 | 262 | 278 | 286 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 3.0 KM; OBS:  | 9   | 15  | 24  | 40  | 10  | 15  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 3 DPHI:    | -64 | -8  | 0   | 24  | 40  | 47  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 9 26 17 AZ:    | 174 | 178 | 182 | 186 | 190 | 193 | 199 | 202 | 206 | 210 | 214 | 218 | 221 | 226 | 230 | 251 | 254 | 259 | 271 | 274 | 279 |     |     |
| R = 5.0 KM; OBS:  | 17  | 22  | 3   | 18  | 17  | 0   | 16  | 17  | 20  | 22  | 17  | 20  | 16  | 17  | 22  | 27  | 21  | 32  | 39  | 22  | 24  |     |     |
| JDGMT: 2 DPHI:    | -64 | -60 | -56 | -52 | -48 | -45 | -40 | -36 | -32 | -28 | -24 | -20 | -17 | -12 | -8  | 13  | 16  | 20  | 33  | 36  | 41  |     |     |
| 82 9 26 17 AZ:    | 186 | 189 | 191 | 192 | 194 | 197 | 199 | 201 | 202 | 204 | 206 | 208 | 211 | 212 | 214 | 217 | 219 | 227 | 228 | 230 | 232 | 233 | 234 |
| R = 7.0 KM; OBS:  | 5   | 9   | 0   | 14  | 12  | 8   | 8   | 7   | 12  | 12  | 13  | 7   | 11  | 6   | 8   | 12  | 18  | 21  | 23  | 22  | 2   | 40  | 13  |
| JDGMT: 3 DPHI:    | -52 | -50 | -47 | -46 | -44 | -41 | -39 | -38 | -36 | -34 | -32 | -30 | -27 | -26 | -24 | -22 | -19 | -11 | -10 | -8  | -6  | -6  | -4  |
| AZ:               | 236 | 238 | 240 | 242 | 244 | 246 | 248 | 250 | 252 | 254 | 257 | 258 | 260 | 262 | 264 | 267 | 268 | 270 | 270 | 273 | 274 | 277 | 285 |
| OBS:              | 27  | 28  | 27  | 23  | 29  | 0   | 26  | 26  | 22  | 25  | 28  | 21  | 27  | 9   | 21  | 24  | 20  | 13  | 28  | 29  | 23  | 26  | 22  |
| DPHI:             | -2  | 0   | 2   | 4   | 6   | 8   | 10  | 12  | 14  | 16  | 18  | 20  | 22  | 24  | 26  | 29  | 30  | 32  | 32  | 34  | 36  | 38  | 47  |
| 82 9 26 17 AZ:    | 178 | 182 | 184 | 186 | 188 | 190 | 193 | 194 | 196 | 197 | 199 | 201 | 203 | 206 | 209 | 212 | 214 | 216 | 218 | 221 | 221 | 229 | 233 |
| R = 10.0 KM; OBS: | 4   | 2   | 3   | 0   | 1   | 6   | 5   | 6   | 1   | 0   | 0   | 5   | 0   | 5   | 4   | 8   | 9   | 14  | 11  | 13  | 5   | 22  | 20  |
| JDGMT: 3 DPHI:    | -60 | -56 | -54 | -52 | -50 | -48 | -46 | -44 | -42 | -41 | -39 | -37 | -35 | -32 | -29 | -26 | -24 | -22 | -20 | -17 | -17 | -9  | -5  |
| AZ:               | 235 | 239 | 240 | 244 | 245 | 246 | 248 | 251 | 253 | 254 | 256 | 260 | 263 | 265 | 267 | 268 | 270 | 273 | 273 | 276 | 285 | 288 |     |
| OBS:              | 16  | 20  | 14  | 18  | 24  | 41  | 18  | 22  | 20  | 13  | 18  | 21  | 11  | 7   | 10  | 4   | 4   | 10  | 4   | 0   | 7   | 13  |     |
| DPHI:             | -3  | 1   | 2   | 6   | 7   | 8   | 9   | 13  | 15  | 16  | 18  | 22  | 24  | 26  | 29  | 30  | 32  | 35  | 35  | 38  | 47  | 50  |     |
| 82 9 26 17 AZ:    | 184 | 185 | 188 | 190 | 193 | 195 | 197 | 199 | 201 | 202 | 205 | 206 | 209 | 210 | 212 | 225 | 226 | 229 | 230 | 233 | 234 | 237 | 238 |
| R = 15.0 KM; OBS: | 0   | 0   | 6   | 1   | 3   | 0   | 6   | 0   | 0   | 4   | 5   | 3   | 0   | 8   | 0   | 0   | 3   | 6   | 3   | 0   | 14  | 9   | 8   |
| JDGMT: 2 DPHI:    | -54 | -53 | -50 | -48 | -45 | -43 | -41 | -39 | -37 | -36 | -33 | -32 | -30 | -28 | -26 | -13 | -12 | -10 | -9  | -6  | -4  | -1  | 0   |
| AZ:               | 240 | 242 | 244 | 247 | 248 | 251 | 252 | 254 | 256 | 258 | 261 | 262 | 264 | 266 | 272 | 274 | 276 | 282 | 288 |     |     |     |     |
| OBS:              | 22  | 4   | 2   | 4   | 8   | 0   | 0   | 7   | 4   | 5   | 5   | 10  | 0   | 27  | 0   | 0   | 0   | 0   | 10  |     |     |     |     |
| DPHI:             | 2   | 4   | 6   | 8   | 10  | 12  | 14  | 16  | 18  | 20  | 23  | 24  | 26  | 28  | 34  | 36  | 38  | 44  | 50  |     |     |     |     |
| 82 9 26 17 AZ:    | 180 | 184 | 188 | 192 | 197 | 200 | 204 | 208 | 212 | 217 | 220 | 224 | 228 | 233 | 236 | 239 | 244 | 248 | 252 | 256 | 260 | 264 | 268 |

|                   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| R = 20.0 KM; OBS: | 2   | 0   | 4   | 0   | 0   | 0   | 3   | 0   | 2   | 0   | 0   | 2   | 4   | 1   | 0   | 0   | 0   | 17  | 0   | 2   | 0   | 0   | 7   |
| JDGMT: 3 DPHI:    | -58 | -54 | -50 | -46 | -42 | -38 | -34 | -30 | -26 | -22 | -18 | -14 | -10 | -5  | -2  | 1   | 6   | 10  | 14  | 18  | 22  | 26  | 30  |
| AZ:               | 272 | 276 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| OBS:              | 5   | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| DPHI:             | 33  | 38  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 9 26 18 AZ:    | 182 | 205 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 0.5 KM; OBS:  | 7   | 14  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0 DPHI:    | -50 | -26 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 9 26 18 AZ:    | 174 | 230 | 238 | 262 | 278 | 286 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 3.0 KM; OBS:  | 12  | 11  | 11  | 12  | 6   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 2 DPHI:    | -57 | -1  | 7   | 31  | 47  | 54  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 9 26 18 AZ:    | 174 | 178 | 182 | 186 | 190 | 193 | 199 | 202 | 206 | 210 | 214 | 218 | 221 | 226 | 230 | 251 | 254 | 259 | 271 | 274 | 279 |     |     |
| R = 5.0 KM; OBS:  | 8   | 10  | 10  | 11  | 21  | 10  | 8   | 5   | 2   | 5   | 15  | 5   | 8   | 13  | 15  | 15  | 16  | 11  | 14  | 9   | 7   |     |     |
| JDGMT: 2 DPHI:    | -57 | -53 | -49 | -46 | -41 | -38 | -33 | -29 | -25 | -21 | -18 | -13 | -10 | -5  | -2  | 20  | 23  | 27  | 39  | 43  | 47  |     |     |
| 82 9 26 18 AZ:    | 186 | 189 | 191 | 192 | 194 | 197 | 199 | 201 | 202 | 204 | 206 | 208 | 211 | 212 | 214 | 217 | 219 | 227 | 228 | 230 | 232 | 233 | 234 |
| R = 7.0 KM; OBS:  | 10  | 8   | 8   | 1   | 8   | 8   | 9   | 11  | 8   | 18  | 21  | 16  | 11  | 14  | 11  | 31  | 14  | 8   | 11  | 20  | 13  | 16  | 14  |
| JDGMT: 3 DPHI:    | -45 | -43 | -41 | -39 | -37 | -35 | -32 | -31 | -29 | -27 | -25 | -24 | -21 | -19 | -17 | -15 | -13 | -5  | -3  | -1  | 0   | 1   | 3   |
| AZ:               | 236 | 238 | 240 | 242 | 244 | 246 | 248 | 250 | 252 | 254 | 257 | 258 | 260 | 262 | 264 | 267 | 268 | 270 | 270 | 273 | 274 | 277 | 285 |
| OBS:              | 14  | 16  | 14  | 8   | 13  | 8   | 11  | 74  | 0   | 14  | 10  | 14  | 13  | 16  | 14  | 15  | 13  | 8   | 18  | 11  | 9   | 7   | 17  |
| DPHI:             | 5   | 7   | 9   | 11  | 13  | 15  | 16  | 19  | 20  | 22  | 25  | 27  | 28  | 31  | 33  | 35  | 37  | 38  | 39  | 41  | 43  | 45  | 53  |
| 82 9 26 18 AZ:    | 178 | 182 | 184 | 186 | 188 | 190 | 193 | 194 | 196 | 197 | 199 | 201 | 203 | 206 | 207 | 209 | 212 | 214 | 216 | 218 | 221 | 221 | 229 |
| R = 10.0 KM; OBS: | 8   | 5   | 11  | 7   | 4   | 13  | 26  | 34  | 12  | 6   | 12  | 21  | 16  | 11  | 15  | 15  | 20  | 13  | 20  | 12  | 6   | 7   | 9   |
| JDGMT: 2 DPHI:    | -53 | -50 | -47 | -45 | -43 | -41 | -39 | -38 | -35 | -34 | -32 | -31 | -28 | -25 | -24 | -22 | -19 | -17 | -15 | -14 | -10 | -10 | -3  |
| AZ:               | 233 | 235 | 239 | 240 | 244 | 245 | 246 | 248 | 251 | 253 | 254 | 256 | 259 | 260 | 263 | 265 | 267 | 268 | 270 | 273 | 273 | 276 | 285 |
| OBS:              | 8   | 18  | 12  | 16  | 17  | 17  | 15  | 7   | 21  | 13  | 11  | 13  | 22  | 7   | 8   | 11  | 0   | 9   | 10  | 7   | 2   | 7   | 10  |
| DPHI:             | 2   | 4   | 7   | 9   | 13  | 14  | 15  | 16  | 19  | 21  | 23  | 24  | 28  | 29  | 31  | 33  | 35  | 37  | 39  | 41  | 42  | 45  | 53  |
| AZ:               | 288 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| OBS:              | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| DPHI:             | 57  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 9 26 18 AZ:    | 184 | 185 | 188 | 190 | 193 | 195 | 197 | 199 | 201 | 202 | 205 | 206 | 209 | 210 | 212 | 225 | 226 | 229 | 230 | 233 | 234 | 237 | 238 |
| R = 15.0 KM; OBS: | 6   | 0   | 0   | 8   | 0   | 0   | 2   | 0   | 2   | 9   | 8   | 0   | 9   | 9   | 7   | 9   | 7   | 5   | 15  | 10  | 10  | 14  | 9   |
| JDGMT: 3 DPHI:    | -47 | -46 | -43 | -41 | -39 | -37 | -34 | -33 | -31 | -30 | -27 | -26 | -23 | -21 | -19 | -6  | -5  | -3  | -2  | 1   | 3   | 5   | 6   |
| AZ:               | 240 | 242 | 244 | 247 | 248 | 251 | 252 | 254 | 256 | 258 | 261 | 262 | 264 | 266 | 270 | 272 | 274 | 276 | 282 | 288 |     |     |     |
| OBS:              | 12  | 4   | 6   | 6   | 14  | 8   | 2   | 0   | 6   | 1   | 13  | 0   | 4   | 0   | 14  | 6   | 0   | 7   | 5   | 4   |     |     |     |
| DPHI:             | 9   | 11  | 13  | 15  | 17  | 19  | 21  | 23  | 25  | 27  | 29  | 31  | 33  | 35  | 39  | 40  | 43  | 45  | 50  | 57  |     |     |     |
| 82 9 26 18 AZ:    | 180 | 184 | 188 | 197 | 200 | 204 | 208 | 212 | 217 | 220 | 224 | 228 | 233 | 236 | 239 | 244 | 248 | 252 | 256 | 260 | 264 | 268 | 272 |
| R = 20.0 KM; OBS: | 0   | 1   | 6   | 0   | 0   | 0   | 1   | 3   | 0   | 0   | 9   | 2   | 2   | 5   | 2   | 4   | 13  | 9   | 9   | 5   | 2   | 1   | 6   |
| JDGMT: 3 DPHI:    | -51 | -48 | -44 | -35 | -31 | -27 | -23 | -20 | -15 | -11 | -7  | -3  | 2   | 5   | 8   | 12  | 16  | 21  | 25  | 29  | 33  | 37  | 40  |
| AZ:               | 276 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |

```

OBS: 1
DPHI: 45

82 9 26 19 AZ: 182 205
R = 0.5 KM; OBS: 10 23
JDGMT: 0 DPHI: -46 -23

82 9 26 19 AZ: 174 230 238 262 278 286
R = 3.0 KM; OBS: 9 3 5 4 6 4
JDGMT: 2 DPHI: -54 2 10 34 50 57

82 9 26 19 AZ: 174 178 182 186 190 193 199 202 206 210 214 218 221 226 230 251 254 259 271 274 279
R = 5.0 KM; OBS: 5 0 0 3 0 8 0 0 7 9 2 5 5 5 1 2 6 4 7 0 0
JDGMT: 3 DPHI: -54 -50 -46 -42 -38 -35 -30 -26 -22 -18 -14 -10 -7 -2 2 23 26 30 43 46 51

82 9 26 19 AZ: 186 189 191 192 194 197 199 201 202 204 206 208 211 212 214 217 219 227 228 230 232 233 234
R = 7.0 KM; OBS: 2 0 3 7 2 16 10 8 0 8 3 5 1 0 9 10 12 5 4 1 2 8 5
JDGMT: 2 DPHI: -42 -40 -37 -36 -34 -31 -29 -28 -26 -24 -22 -20 -17 -16 -14 -12 -9 -1 0 2 4 4 6

AZ: 236 238 240 242 244 246 248 250 252 254 257 258 260 262 264 267 268 270 270 273 274 277 285
OBS: 11 4 11 6 3 9 6 0 0 3 6 15 30 0 3 0 1 8 0 0 76 6 0
DPHI: 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 39 40 42 42 44 46 48 57

82 9 26 19 AZ: 178 182 184 186 188 190 193 194 196 197 199 201 203 206 209 212 214 216 218 221 229 233 235
R = 10.0 KM; OBS: 0 1 0 0 3 13 10 13 9 9 11 11 10 13 10 4 1 4 5 7 0 5 8
JDGMT: 3 DPHI: -50 -46 -44 -42 -40 -38 -36 -34 -32 -31 -29 -27 -25 -22 -19 -16 -14 -12 -10 -7 1 5 7

AZ: 239 240 244 245 246 248 251 253 254 256 260 263 265 267 268 270 273 273 276 285 288
OBS: 2 4 5 2 2 3 2 7 0 14 5 9 8 0 4 0 2 6 6 1 8
DPHI: 11 12 16 17 18 19 23 25 26 28 32 34 36 39 40 42 45 45 48 57 60

82 9 26 19 AZ: 184 185 188 190 193 195 197 199 201 202 205 206 209 210 212 225 226 229 230 233 234 237 238
R = 15.0 KM; OBS: 7 0 7 9 5 10 1 7 14 18 3 7 6 6 3 0 4 7 0 0 2 0 0
JDGMT: 3 DPHI: -44 -43 -40 -38 -35 -33 -31 -29 -27 -26 -23 -22 -20 -18 -16 -3 -2 0 1 4 6 9 10

AZ: 240 242 244 247 248 251 252 254 256 258 261 262 264 266 270 272 274 276 282 288
OBS: 6 8 0 0 3 9 3 3 3 0 5 0 6 0 7 6 0 0 0 3
DPHI: 12 14 16 18 20 22 24 26 28 30 33 34 36 38 42 44 46 48 54 60

82 9 26 19 AZ: 180 184 188 197 200 204 208 212 217 220 224 228 233 236 239 244 248 252 256 260 264 268 272
R = 20.0 KM; OBS: 11 2 12 13 6 11 1 9 3 6 13 11 4 11 3 3 0 1 6 4 0 0 2
JDGMT: 2 DPHI: -48 -44 -40 -32 -28 -24 -20 -16 -12 -8 -4 0 5 8 11 16 20 24 28 32 36 40 43

AZ: 276
OBS: 5
DPHI: 48

82 9 28 4 AZ: 1 54
R = 0.5 KM; OBS: 0 5
JDGMT: 0 DPHI: -45 8

82 9 28 4 AZ: 59

```

R = 3.0 KM; OBS: 0  
JDGMT: 0 DPHI: 13

82 9 28 4 AZ: 259 274  
R = 5.0 KM; OBS: 0 5  
JDGMT: 0 DPHI: -147 -132

82 9 28 4 AZ: 244 249  
R = 7.0 KM; OBS: 0 3  
JDGMT: 0 DPHI: -162 -157

82 9 28 4 AZ: 352 356 358 360 4 9 12 16 22 24 27 31 36 41 45 49 53 58 60 63 68 73 77  
R = 10.0 KM; OBS: 0 3 0 0 0 0 0 0 4 5 0 0 5 5 0 0 4 0 0 3 0 0 0  
JDGMT: 3 DPHI: -54 -51 -48 -46 -42 -37 -34 -30 -24 -22 -19 -15 -10 -5 -1 3 7 11 14 17 22 27 31

AZ: 80 84 89 92  
OBS: 0 5 3 3  
DPHI: 34 38 43 46

82 9 28 4 AZ: 2 2 7 9 10 12 15 17 18 20 23 25 26 28 31 34 35 37 38 41 42 45 47  
R = 20.0 KM; OBS: 3 3 0 0 0 0 3 0 0 1 7 18 1 0 3 0 0 0 1 0 7 0 1  
JDGMT: 3 DPHI: -45 -44 -39 -38 -36 -34 -31 -29 -28 -26 -24 -22 -20 -18 -16 -12 -12 -9 -8 -5 -4 -1 1

AZ: 50 50 52 55 57 59 61 62 65 66 69 70 72 74 77 78 81 83 84 86 88  
OBS: 1 0 0 0 0 5 1 0 0 0 0 0 0 0 0 0 3 0 5 8  
DPHI: 4 4 6 8 11 13 14 16 19 20 23 24 26 28 31 32 34 36 38 40 42

82 9 28 4 AZ: 2 3 6 9 11 12 15 24 31 32 34 35 38 41 42 44 48 50 53 54 56 58 61  
R = 30.0 KM; OBS: 0 0 2 1 5 0 0 0 2 7 3 0 2 4 3 0 5 0 2 3 1 0 3  
JDGMT: 2 DPHI: -44 -44 -40 -37 -35 -34 -31 -22 -15 -14 -13 -11 -8 -6 -4 -2 2 4 7 8 10 12 15

AZ: 62 64 66 69 71 73 77 79 81 83 84 86 89 90 92  
OBS: 4 0 1 0 3 9 16 5 12 0 0 0 0 0 0  
DPHI: 16 18 20 22 25 27 31 32 34 37 38 40 43 44 46

82 9 28 4 AZ: 1 3 5 7 8 10 13 17 18 23 32 35 37 39 43 45 47 48 48 54 56 58 61  
R = 40.0 KM; OBS: 7 0 0 0 0 0 4 0 3 1 0 3 0 0 0 2 0 0 0 0 5 4 0  
JDGMT: 2 DPHI: -45 -44 -42 -39 -38 -36 -33 -29 -28 -23 -15 -11 -9 -7 -3 -1 1 2 2 8 10 12 15

AZ: 63 64 67 68 71 75 77 79 83 84 86 90 92  
OBS: 0 4 0 0 2 0 0 0 0 0 7 0 3  
DPHI: 16 18 21 22 24 29 30 33 37 38 40 44 46

82 9 28 4 AZ: 6 9 16 19 23 25 31 34 40 43 46 50 58 62 66 71 74 79 83 87 90 94  
R = 50.0 KM; OBS: 4 0 1 0 2 0 0 3 4 3 0 1 6 0 6 8 0 0 3 0 0 0  
JDGMT: 2 DPHI: -40 -37 -30 -28 -23 -21 -15 -12 -6 -4 -1 4 12 16 20 25 28 32 36 41 44 48

82 9 28 5 AZ: 1 54  
R = 0.5 KM; OBS: 0 0  
JDGMT: 0 DPHI: -43 9

82 9 28 5 AZ: 59

R = 3.0 KM; OBS: 8  
JDGMT: 0 DPHI: 14

82 9 28 5 AZ: 259 274  
R = 5.0 KM; OBS: 9 0  
JDGMT: 0 DPHI: -146 -130

82 9 28 5 AZ: 244 249  
R = 7.0 KM; OBS: 5 2  
JDGMT: 0 DPHI: -160 -156

82 9 28 5 AZ: 352 356 358 360 4 9 12 16 22 24 27 31 36 41 45 49 53 58 60 63 68 73 77  
R = 10.0 KM; OBS: 6 2 1 0 2 0 0 0 4 1 0 0 0 3 0 0 5 0 0 9 0 0  
JDGMT: 2 DPHI: -52 -49 -46 -44 -40 -35 -32 -28 -22 -20 -17 -14 -8 -3 1 4 8 13 16 19 24 28 32  
AZ: 80 84 89 92  
OBS: 1 10 2 0  
DPHI: 36 40 44 47

82 9 28 5 AZ: 355 2 2 7 9 10 12 15 17 18 20 23 25 26 28 31 34 35 37 38 41 42 45  
R = 20.0 KM; OBS: 1 6 0 3 0 0 7 0 4 0 6 4 0 3 0 1 0 0 4 0 7 4 0  
JDGMT: 2 DPHI: -50 -43 -42 -37 -36 -35 -32 -29 -27 -26 -24 -22 -20 -18 -16 -14 -11 -10 -8 -7 -3 -2 1  
AZ: 47 50 50 52 55 57 59 61 62 65 66 69 70 72 74 77 78 81 83 84 86 88  
OBS: 3 0 0 0 5 5 1 3 0 0 0 3 0 0 3 0 6 4 11 1 6  
DPHI: 2 5 6 8 10 13 15 16 18 20 22 25 25 28 30 32 34 36 38 40 42 44

82 9 28 5 AZ: 2 3 6 9 11 12 15 18 20 23 24 31 32 34 35 38 41 42 44 48 50 53 54  
R = 30.0 KM; OBS: 0 0 3 3 0 9 0 0 1 0 0 0 0 1 0 3 0 2 0 0 3 0  
JDGMT: 3 DPHI: -42 -42 -38 -36 -33 -32 -30 -26 -24 -22 -20 -14 -12 -11 -10 -6 -4 -2 0 4 6 8 10  
AZ: 56 58 61 62 64 66 69 71 73 77 79 81 83 84 86 89 90 92  
OBS: 0 3 5 4 0 2 0 4 15 14 8 7 0 1 9 3 3 0  
DPHI: 12 14 16 18 20 22 24 26 28 32 34 36 38 40 42 44 46 48

82 9 28 5 AZ: 355 358 1 3 5 7 8 10 13 17 18 23 32 35 37 39 43 45 47 48 48 52 54  
R = 40.0 KM; OBS: 8 4 1 0 2 0 0 0 7 0 0 4 2 0 0 0 5 0 0 0 4 0  
JDGMT: 2 DPHI: -50 -46 -43 -42 -40 -38 -36 -34 -31 -28 -27 -22 -13 -9 -7 -6 -1 0 2 4 4 8 10  
AZ: 56 58 61 63 64 67 68 71 75 77 79 83 84 86 90 92  
OBS: 1 0 4 0 0 0 5 0 0 0 0 3 0 1 0 0  
DPHI: 12 13 16 18 20 22 24 26 30 32 35 38 40 42 46 48

82 9 28 5 AZ: 6 9 16 19 23 25 31 34 43 46 50 58 62 66 71 74 79 83 87 90 94  
R = 50.0 KM; OBS: 0 0 0 0 3 1 0 0 0 0 0 7 3 2 1 6 3 3 0 1 0  
JDGMT: 3 DPHI: -38 -35 -28 -26 -22 -19 -14 -10 -2 1 6 14 18 22 27 30 34 38 42 46 50

82 9 28 6 AZ: 1 54  
R = 0.5 KM; OBS: 4 6  
JDGMT: 0 DPHI: -48 5

82 9 28 6 AZ: 59

R = 3.0 KM; OBS: 4  
JDGMT: 0 DPHI: 10

82 9 28 6 AZ: 259 274  
R = 5.0 KM; OBS: 3 0  
JDGMT: 0 DPHI: -151 -135

82 9 28 6 AZ: 244 249  
R = 7.0 KM; OBS: 0 5  
JDGMT: 0 DPHI: -165 -160

82 9 28 6 AZ: 352 356 358 360 4 9 12 16 22 24 27 31 36 41 45 49 53 58 60 63 68 73 77  
R = 10.0 KM; OBS: 0 2 0 0 0 0 4 0 0 0 0 7 1 6 4 0 0 11 3 4 3 7 7  
JDGMT: 3 DPHI: -57 -54 -51 -49 -45 -40 -37 -33 -27 -25 -22 -18 -13 -8 -4 -1 4 8 11 14 19 24 28  
AZ: 80 84 89 92  
OBS: 4 4 6 4  
DPHI: 31 35 39 43

82 9 28 6 AZ: 355 359 2 2 7 9 10 12 15 17 18 20 23 25 26 28 31 34 35 37 38 41 42  
R = 20.0 KM; OBS: 0 0 4 2 4 0 0 8 1 1 0 4 5 2 10 0 4 0 4 5 4 0  
JDGMT: 3 DPHI: -54 -50 -48 -47 -42 -41 -39 -37 -34 -32 -31 -29 -27 -25 -23 -21 -19 -16 -15 -12 -11 -8 -7  
AZ: 45 47 50 50 52 55 57 59 61 62 65 66 69 70 72 74 77 78 81 83 84 86 88  
OBS: 0 1 0 0 0 0 0 0 0 0 5 0 1 0 4 0 5 0 1 9 1 4 5  
DPHI: -4 -2 1 1 3 5 8 10 11 13 16 17 20 21 23 25 28 29 31 33 35 37 39

82 9 28 6 AZ: 2 3 6 9 11 12 15 18 20 23 24 26 29 31 32 34 35 38 41 42 44 48 50  
R = 30.0 KM; OBS: 0 8 1 0 4 0 0 0 0 0 8 9 0 1 5 3 0 0 1 4 0 0 0  
JDGMT: 2 DPHI: -47 -47 -43 -40 -38 -37 -34 -31 -29 -27 -25 -23 -21 -18 -17 -16 -14 -11 -9 -7 -5 -1 1  
AZ: 53 54 56 58 61 62 64 66 69 71 73 77 79 81 83 84 86 89 90 92  
OBS: 9 3 9 0 0 7 2 6 0 0 13 13 17 7 0 0 0 0 8 2  
DPHI: 4 5 7 9 12 13 15 17 19 22 24 27 29 31 34 35 37 40 41 43

82 9 28 6 AZ: 355 358 1 3 5 7 8 10 13 17 18 23 32 35 37 39 43 45 47 48 48 52 54  
R = 40.0 KM; OBS: 0 0 1 0 0 0 0 0 7 0 9 11 10 4 0 0 0 0 4 4 0 6 9  
JDGMT: 3 DPHI: -55 -51 -48 -47 -45 -42 -41 -39 -36 -32 -32 -26 -18 -14 -12 -10 -6 -4 -2 -1 -1 3 5  
AZ: 56 58 61 63 64 67 68 71 75 77 79 83 84 86 90 92  
OBS: 1 12 0 0 5 0 9 0 0 2 0 9 11 9 0 2  
DPHI: 7 9 12 13 15 17 19 21 26 27 30 34 35 37 41 43

82 9 28 6 AZ: 6 9 16 19 23 25 31 34 40 43 46 50 58 62 66 71 74 79 83 87 90 94  
R = 50.0 KM; OBS: 0 3 1 3 2 7 5 2 0 8 0 3 3 0 0 1 0 0 4 0 0 3  
JDGMT: 3 DPHI: -43 -40 -33 -31 -27 -24 -18 -15 -9 -7 -4 1 9 13 17 22 25 29 33 38 41 45

82 9 28 7 AZ: 1 54  
R = 0.5 KM; OBS: 0 0  
JDGMT: 0 DPHI: -53 0

82 9 28 7 AZ: 59



R = 3.0 KM; OBS: 0  
JDGMT: 0 DPHI: 4

82 9 28 7 AZ: 259 274  
R = 5.0 KM; OBS: 0 0  
JDGMT: 0 DPHI: -156 -140

82 9 28 7 AZ: 244 249  
R = 7.0 KM; OBS: 0 1  
JDGMT: 0 DPHI: -170 -165

82 9 28 7 AZ: 352 356 358 360 4 9 12 16 22 24 27 31 36 41 45 49 53 58 60 63 68 73 77  
R = 10.0 KM; OBS: 0 0 4 0 0 0 0 0 0 0 0 0 1 0 2 0 2 4 1 0 1 0 0  
JDGMT: 2 DPHI: -62 -59 -56 -54 -50 -45 -42 -38 -32 -30 -27 -24 -18 -13 -9 -6 -1 3 6 9 14 18 23

AZ: 80 84 89 92  
OBS: 6 1 0 0  
DPHI: 26 30 34 38

82 9 28 7 AZ: 355 359 2 2 7 9 10 12 15 17 18 20 23 25 26 28 31 34 35 37 38 41 42  
R = 20.0 KM; OBS: 0 0 0 2 0 0 0 2 0 0 0 0 7 0 0 2 0 0 0 2 3 7  
JDGMT: 2 DPHI: -59 -55 -53 -52 -47 -46 -44 -42 -39 -37 -36 -34 -32 -30 -28 -26 -24 -21 -20 -18 -16 -13 -12

AZ: 45 47 50 50 52 55 57 59 61 62 65 66 69 70 72 74 77 78 81 83 84 86 88  
OBS: 3 2 0 4 0 2 1 3 1 4 0 0 5 0 0 6 0 4 2 1 7 2  
DPHI: -9 -7 -4 -4 -2 0 3 5 6 8 11 12 15 15 18 20 23 24 26 28 30 32 34

82 9 28 7 AZ: 2 3 6 9 11 12 15 18 20 23 24 26 29 31 32 34 35 38 41 42 44 48 50  
R = 30.0 KM; OBS: 0 0 0 6 3 0 0 4 0 0 0 0 4 0 7 3 0 0 0 18 0 0 0  
JDGMT: 3 DPHI: -52 -52 -48 -46 -43 -42 -39 -36 -34 -32 -30 -28 -26 -24 -22 -21 -19 -16 -14 -12 -10 -6 -4

AZ: 53 54 56 58 61 62 64 66 69 71 73 77 79 81 83 84 86 89 90 92  
OBS: 2 0 0 0 5 2 0 0 0 1 11 7 7 0 0 2 3 0 3 5  
DPHI: -1 0 2 4 6 8 10 12 14 16 18 22 24 26 28 30 32 35 36 38

82 9 28 7 AZ: 355 358 1 3 5 7 8 10 13 17 18 23 32 35 37 39 43 45 47 48 48 52 54  
R = 40.0 KM; OBS: 0 0 1 0 0 0 0 0 0 0 0 0 0 3 0 0 1 0 0 0 0 0  
JDGMT: 3 DPHI: -60 -56 -53 -52 -50 -47 -46 -44 -41 -37 -37 -32 -23 -19 -17 -15 -11 -10 -7 -6 -6 -2 0

AZ: 56 58 61 63 64 67 68 71 75 77 79 83 84 86 90 92  
OBS: 0 5 2 0 0 2 0 4 0 3 0 0 1 0 0 0  
DPHI: 2 4 7 8 10 12 14 16 20 22 25 28 30 32 36 38

82 9 28 7 AZ: 6 9 16 19 23 25 31 34 40 43 46 50 58 62 66 71 74 79 83 87 90 94  
R = 50.0 KM; OBS: 3 0 2 0 0 0 0 0 0 0 0 0 0 2 0 4 0 0 4 0 0 2  
JDGMT: 3 DPHI: -48 -45 -38 -36 -32 -29 -24 -20 -15 -12 -9 -4 4 8 12 17 20 24 28 33 36 40

82 9 30 11 AZ: 54 62 71 78 86 87 94 101 110 113 118 125 134 141 150 157 165 173 180 182 187 195 204  
R = 0.5 KM; OBS: 26 5 0 47 2 5 0 0 4 0 2 0 0 0 0 21 25 0 0 4 0 0 2  
JDGMT: 2 DPHI: -177 -170 -161 -153 -146 -145 -138 -131 -122 -119 -114 -107 -98 -91 -82 -75 -67 -59 -52 -50 -44 -36 -28

AZ: 205 211 220 227 235 243 252 268 291 304 310 318 326 335 342 350 1 8 16 23 23 30 42

OBS: 11 5 5 0 20 43 12 23 7 27 14 5 17 0 45 0 0 4 5 1 0 1 0  
DPHI: -27 -20 -12 -5 3 11 21 37 60 73 79 87 94 103 111 118 129 136 145 151 151 159 170

AZ: 47  
OBS: 0  
DPHI: 175

82 9 30 11 AZ: 213 261 277 285  
R = 1.0 KM; OBS: 40 7 0 2  
JDGMT: 1 DPHI: -19 29 45 53

82 9 30 11 AZ: 54 62 70 94 102 110 126 134 138 158 166 174 183 187 191 207 221 225 228 233 233 238 246  
R = 2.0 KM; OBS: 0 9 1 3 2 13 0 0 11 0 10 2 5 0 0 10 10 9 12 7 8 16 11  
JDGMT: 2 DPHI: -178 -170 -162 -137 -130 -122 -106 -98 -93 -73 -66 -58 -49 -45 -41 -25 -11 -6 -3 1 1 6 14

AZ: 252 258 258 262 268 273 285 309 317 325 333 343 349 358 6 10 33 38 46  
OBS: 10 17 6 4 1 4 0 10 11 67 36 5 1 1 0 47 7 0 9  
DPHI: 21 26 26 30 36 41 54 77 86 94 102 111 118 126 134 138 162 167 174

82 9 30 11 AZ: 59 59 59 59 59 59 59 59  
R = 3.0 KM; OBS: 0 3 5 3 7 25 3 8  
JDGMT: 3 DPHI: -173 -173 -173 -173 -173 -173 -173 -173

82 9 30 11 AZ: 54 62 70 78 86 95 103 110 118 126 135 141 151 158 166 174 182 190 199 206 214 221 226  
R = 5.0 KM; OBS: 0 1 0 0 10 9 2 1 11 0 0 4 0 18 1 20 0 24 4 8 2 7 48  
JDGMT: 3 DPHI: -177 -169 -161 -153 -146 -137 -129 -122 -114 -106 -96 -90 -81 -74 -65 -58 -50 -42 -33 -25 -18 -10 -5

AZ: 230 251 254 259 271 279 287 294 303 310 318 326 334 342 351 0 7 14 22 30 38 46  
OBS: 5 46 15 1 10 13 0 0 9 17 0 22 5 1 0 0 6 0 0 18 13 0  
DPHI: -2 20 22 27 39 47 55 62 71 78 86 94 102 110 119 128 135 142 150 158 166 174

82 9 30 11 AZ: 206 211 214 219 230 233 234 241 246 257 260 270  
R = 7.0 KM; OBS: 2 3 42 7 7 4 34 10 4 1 19 1  
JDGMT: 2 DPHI: -25 -21 -17 -13 -2 1 2 9 15 25 28 38

82 9 30 11 AZ: 55 63 71 79 86 94 103 110 117 126 136 145 151 159 166 175 182 190 197 206 214 221 229  
R = 10.0 KM; OBS: 0 0 8 3 28 7 6 0 9 1 0 11 19 2 2 9 18 1 0 0 2 10 2  
JDGMT: 2 DPHI: -177 -169 -161 -153 -146 -138 -129 -122 -114 -105 -96 -87 -81 -73 -65 -57 -50 -41 -34 -25 -18 -11 -3

AZ: 233 239 246 254 263 270 278 286 293 302 310 318 334 343 350 358 6 14 22 31 39 47  
OBS: 19 28 9 21 0 9 14 0 4 0 11 2 3 4 1 2 5 0 5 8 3 0  
DPHI: 1 7 14 22 31 38 46 54 62 70 78 86 103 111 118 127 134 142 150 159 168 175

82 9 30 12 AZ: 30 42 47 54 62 71 78 86 87 94 101 110 113 118 125 134 141 150 157 165 173 180 182  
R = 0.5 KM; OBS: 0 3 8 0 9 7 3 11 6 45 11 0 13 7 11 17 33 7 12 13 5 23 20  
JDGMT: 3 DPHI: -172 -161 -156 -148 -141 -131 -124 -116 -115 -108 -102 -93 -89 -84 -78 -69 -61 -53 -45 -38 -30 -23 -21

AZ: 187 195 204 205 211 220 227 235 243 252 268 291 304 310 318 326 335 342 350 1 8 16 23  
OBS: 13 12 16 11 4 16 9 26 59 20 41 7 5 15 9 0 0 0 6 0 6 3 5  
DPHI: -15 -7 2 3 9 17 24 32 41 50 66 89 102 108 116 124 132 140 148 158 165 174 180

AZ: 23

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OBS: 1
DPHI: 180

82 9 30 12 AZ: 213 261 277 285
R = 1.0 KM; OBS: 15 13 0 5
JDGMT: 1 DPHI: 10 58 74 82

82 9 30 12 AZ: 33 38 46 54 62 70 94 102 110 126 134 138 158 166 174 183 187 191 207 221 225 228 233
R = 2.0 KM; OBS: 7 0 8 11 4 13 19 0 12 0 13 10 11 10 9 0 15 0 0 11 15 17 33
JDGMT: 2 DPHI: -169 -164 -156 -148 -141 -132 -108 -101 -93 -77 -69 -64 -44 -36 -28 -20 -16 -12 5 19 23 26 31

AZ: 238 246 252 258 258 262 268 273 285 309 317 325 333 343 349 358 6 10
OBS: 20 2 12 6 14 9 3 6 6 47 26 9 1 12 2 1 0 10
DPHI: 35 44 50 56 56 59 66 71 83 106 115 123 131 140 147 156 163 167

82 9 30 12 AZ: 59 59 59 59 59 59 59 59
R = 3.0 KM; OBS: 0 10 0 3 28 0 29 6
JDGMT: 3 DPHI: -144 -143 -143 -143 -143 -143 -143 -143

82 9 30 12 AZ: 30 38 46 54 62 70 78 86 95 103 110 118 126 135 141 151 158 166 174 182 190 199 206
R = 5.0 KM; OBS: 0 7 5 2 15 17 0 0 15 20 32 34 11 7 15 3 8 14 8 0 6 14 18
JDGMT: 3 DPHI: -173 -164 -156 -148 -140 -132 -124 -116 -108 -100 -92 -85 -76 -67 -61 -52 -44 -36 -28 -20 -12 -4 4

AZ: 214 221 226 230 251 254 259 271 279 287 294 303 310 318 326 334 342 351 0 7 14 22
OBS: 12 36 12 41 5 10 0 10 11 8 10 6 7 0 11 31 14 9 8 30 25 0
DPHI: 11 19 24 27 49 52 56 68 76 84 92 100 107 116 124 131 140 148 158 165 171 179

82 9 30 12 AZ: 206 211 214 219 230 233 234 241 246 257 260 270
R = 7.0 KM; OBS: 9 0 22 7 4 7 6 0 5 4 3 13
JDGMT: 2 DPHI: 4 8 12 16 28 30 32 39 44 54 57 68

82 9 30 12 AZ: 31 39 47 55 63 71 79 86 94 103 110 117 126 136 145 151 159 166 175 182 190 197 206
R = 10.0 KM; OBS: 0 3 6 6 0 14 1 6 30 30 25 0 4 8 3 4 3 0 1 1 0 9 3
JDGMT: 2 DPHI: -172 -163 -156 -148 -140 -132 -123 -117 -108 -100 -92 -85 -76 -66 -58 -52 -44 -36 -28 -21 -12 -5 4

AZ: 214 221 229 233 239 246 254 263 270 278 286 293 302 310 318 327 334 343 350 358 6 14 22
OBS: 5 13 11 30 16 29 11 0 10 16 0 0 8 0 6 3 8 0 5 4 6 11 7
DPHI: 12 19 26 31 37 44 52 60 68 75 84 91 99 108 116 125 132 140 148 156 163 172 180

82 9 30 13 AZ: -69 -56 -50 -42 -34 -26 -18 -10 1 8 16 23 23 30 42 47 54 62 71 78 86 87 94
R = 0.5 KM; OBS: 29 32 20 35 21 27 45 50 67 86 99 119 56 161 113 111 178 178 181 190 236 165 174
JDGMT: 3 DPHI: -190 -177 -171 -163 -155 -146 -138 -131 -120 -113 -105 -98 -98 -91 -79 -74 -67 -59 -50 -43 -35 -34 -27

AZ: 101 110 113 118 125 134 141 150 157 165 173 180 182 187 195 204 205 211 220 227 235 243 252
OBS: 144 164 158 160 161 160 142 139 130 121 121 150 84 105 85 61 70 59 52 47 41 36 37
DPHI: -20 -11 -8 -3 4 13 20 29 36 44 52 59 61 66 74 83 84 90 99 106 114 122 131

AZ: 268
OBS: 78
DPHI: 147

82 9 30 13 AZ: -75 213 261 277

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R = 1.0 KM; OBS: 34 129 83 44  
 JDGMT: 1 DPHI: -196 92 140 156

82 9 30 13 AZ: -75 -51 -43 -35 -27 -17 -11 -2 6 10 33 38 46 54 62 70 94 102 110 126 134 138 158  
 R = 2.0 KM; OBS: 37 15 28 11 29 7 71 0 9 0 59 91 128 131 230 258 238 205 176 180 111 4 47  
 JDGMT: 3 DPHI: -196 -172 -164 -156 -148 -138 -132 -123 -115 -111 -87 -83 -75 -67 -59 -51 -27 -19 -11 5 13 17 37

AZ: 166 174 183 187 191 207 221 225 228 233 238 246 252 258 258 262 268 273  
 OBS: 118 147 84 92 119 123 123 131 87 122 140 83 84 103 91 74 74 54  
 DPHI: 45 53 62 66 70 86 100 104 107 112 117 125 131 137 137 141 147 152

82 9 30 13 AZ: 59 59 59 59 59 59 59 59  
 R = 3.0 KM; OBS: 43 89 84 84 0 100 96 93  
 JDGMT: 3 DPHI: -62 -62 -62 -62 -62 -62 -62 -62

82 9 30 13 AZ: -73 -66 -57 -50 -42 -34 -26 -18 -9 0 7 14 22 30 38 46 54 62 70 78 86 95 103  
 R = 5.0 KM; OBS: 108 0 1 1 3 0 1 3 3 6 19 0 0 7 0 17 54 110 172 268 246 196 113  
 JDGMT: 3 DPHI: -194 -187 -178 -171 -163 -155 -147 -139 -130 -121 -114 -107 -99 -91 -83 -75 -67 -59 -51 -43 -35 -26 -18

AZ: 110 118 126 135 141 151 158 166 174 182 190 199 206 214 221 226 230 251 254 259 271 279  
 OBS: 81 62 22 16 12 9 3 11 16 24 76 49 55 38 19 29 24 63 36 44 59 54  
 DPHI: -11 -3 5 14 20 30 37 45 53 61 69 78 85 93 100 105 109 130 133 138 150 158

82 9 30 13 AZ: 206 211 214 219 230 234 241 246 257 260 270  
 R = 7.0 KM; OBS: 9 9 0 25 9 0 0 12 17 22 38  
 JDGMT: 2 DPHI: 86 90 93 98 109 113 120 125 136 139 149

82 9 30 13 AZ: -74 -67 -58 -50 -42 -33 -26 -17 -10 -2 6 14 22 31 39 47 55 63 71 79 86 94 103  
 R = 10.0 KM; OBS: 14 0 0 4 2 10 2 0 9 6 2 15 1 5 1 0 0 55 137 145 163 174 85  
 JDGMT: 3 DPHI: -195 -188 -179 -171 -163 -154 -147 -138 -131 -123 -115 -107 -99 -90 -82 -74 -66 -58 -50 -42 -35 -27 -18

AZ: 110 117 126 136 145 151 159 166 175 182 190 197 206 214 221 229 233 239 246 254 263 270 278  
 OBS: 0 9 7 0 5 1 8 8 0 32 0 11 1 16 0 12 22 16 32 30 26 34 25  
 DPHI: -11 -4 5 15 24 30 38 45 54 61 69 76 85 93 100 108 112 118 125 133 142 149 157

82 9 30 14 AZ: 243 252 268 291 304 310 318 326 335 342 350 1 8 16 23 23 30 42 47 54 62 71 78  
 R = 0.5 KM; OBS: 55 85 63 64 10 61 65 57 63 71 96 64 80 103 124 79 131 93 104 124 145 83 84  
 JDGMT: 3 DPHI: -178 -169 -153 -130 -117 -111 -103 -95 -87 -79 -71 -60 -53 -45 -39 -38 -31 -19 -14 -7 1 10 17

AZ: 86 87 94 101 110 113 118 125 134 141 150 157 165 173 180 182 187 195 204 205 211 220 227  
 OBS: 65 77 72 68 58 5 55 65 75 56 58 77 53 63 62 68 71 69 63 60 61 60 57  
 DPHI: 25 26 33 40 49 52 57 64 73 80 88 96 104 112 119 121 126 134 143 144 150 159 166

AZ: 235  
 OBS: 68  
 DPHI: 174

82 9 30 14 AZ: 261 277 285 213  
 R = 1.0 KM; OBS: 19 34 55 81  
 JDGMT: 1 DPHI: -161 -144 -136 152

82 9 30 14 AZ: 246 252 258 258 262 268 273 285 309 317 325 333 343 349 358 6 10 33 38 46 54 62 70

R = 2.0 KM; OBS: 19 25 40 47 33 35 49 62 51 82 57 61 47 122 60 108 218 374 324 274 217 172 121  
JDGMT: 3 DPHI: -175 -169 -163 -163 -159 -153 -148 -136 -112 -104 -96 -88 -78 -72 -63 -55 -51 -28 -23 -15 -7 0 9  
  
AZ: 94 102 110 126 134 138 158 166 174 183 187 191 207 221 225 228 233 233 238  
OBS: 73 64 47 55 75 58 57 57 48 61 73 52 86 53 57 13 27 35 49  
DPHI: 33 41 48 65 73 77 97 105 113 122 126 130 146 160 164 167 172 172 177  
  
82 9 30 14 AZ: 59 59 59 59 59 59 59 59  
R = 3.0 KM; OBS: 361 363 357 4 368 360 326 370  
JDGMT: 2 DPHI: -2 -2 -2 -2 -2 -2 -2 -2  
  
82 9 30 14 AZ: 251 254 259 271 279 287 294 303 310 318 326 334 342 351 0 7 14 22 30 38 46 54 62  
R = 5.0 KM; OBS: 9 17 20 39 28 36 30 39 40 40 24 30 40 11 24 16 24 25 66 180 339 604 433  
JDGMT: -3 DPHI: -170 -167 -162 -150 -142 -134 -127 -119 -111 -103 -95 -87 -79 -70 -61 -54 -47 -39 -31 -23 -15 -7 1  
  
AZ: 70 78 86 95 103 110 118 126 135 141 151 158 166 174 182 190 199 206 214 221 226 230  
OBS: 269 173 184 121 74 31 49 28 23 43 13 6 17 19 11 25 46 34 15 0 3 24  
DPHI: 9 17 25 34 42 49 57 65 74 80 90 97 105 113 121 129 138 145 153 160 165 169  
  
82 9 30 14 AZ: 246 257 260 270 206 211 214 219 230 233 234 241  
R = 7.0 KM; OBS: 0 40 27 24 5 3 7 3 3 18 9 12  
JDGMT: 2 DPHI: -175 -164 -161 -151 145 150 153 158 169 172 173 180  
  
82 9 30 14 AZ: 246 254 263 270 278 286 293 302 310 318 327 334 343 350 358 6 14 22 31 39 47 55 63  
R = 10.0 KM; OBS: 86 36 23 33 31 16 22 7 15 4 2 0 0 5 4 0 4 3 0 11 42 161 442  
JDGMT: 3 DPHI: -175 -167 -158 -151 -143 -135 -128 -119 -111 -103 -94 -87 -78 -71 -63 -56 -47 -39 -30 -22 -14 -7 2  
  
AZ: 71 79 86 94 103 110 117 126 136 145 151 159 166 175 182 190 197 206 214 221 229 233 239  
OBS: 357 196 108 106 53 34 6 16 10 10 10 4 0 4 14 0 47 8 1 5 11 38 22  
DPHI: 10 18 25 33 42 49 56 65 75 83 90 97 105 114 121 129 136 145 153 160 168 172 178  
  
82 9 30 15 AZ: 227 235 243 252 268 291 304 310 318 326 335 342 350 1 8 16 23 23 30 42 47 54 62  
R = 0.5 KM; OBS: 233 280 186 275 309 324 365 372 349 466 412 465 494 473 406 511 451 343 477 454 472 498 394  
JDGMT: -3 DPHI: -170 -162 -154 -145 -129 -106 -93 -87 -79 -71 -63 -55 -47 -36 -29 -21 -15 -14 -7 5 10 17 25  
  
AZ: 71 78 86 87 94 101 110 113 118 125 134 141 150 157 165 173 180 182 187 195 204 205 211  
OBS: 330 306 341 321 342 276 386 354 369 391 414 399 389 351 288 327 322 358 307 321 343 303 321  
DPHI: 34 41 49 50 57 64 73 76 81 88 97 104 112 120 127 136 142 145 150 158 167 168 174  
  
AZ: 220  
OBS: 267  
DPHI: 182  
  
82 9 30 15 AZ: 261 277 285 213  
R = 1.0 KM; OBS: 294 456 577 359  
JDGMT: -1 DPHI: -137 -120 -112 175  
  
82 9 30 15 AZ: 221 225 228 233 233 238 246 252 258 258 262 268 273 285 309 317 325 333 343 349 358 6 10  
R = 2.0 KM; OBS: 231 170 84 72 127 214 154 165 212 226 332 228 191 379 236 345 354 376 392 493 515 498 541  
JDGMT: -3 DPHI: -176 -172 -169 -164 -164 -160 -151 -145 -139 -139 -136 -129 -124 -112 -88 -80 -72 -64 -55 -48 -39 -31 -28  
  
AZ: 33 38 46 54 62 70 94 102 110 126 134 138 158 166 174 183 187 191 207

|        |          |       |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------|----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|        | OBS:     | 258   | 295  | 299  | 289  | 255  | 349  | 148  | 134  | 104  | 60   | 73   | 66   | 99   | 89  | 38  | 140 | 132 | 210 | 272 |     |     |     |     |     |     |     |
|        | DPHI:    | -4    | 1    | 9    | 17   | 24   | 33   | 57   | 64   | 72   | 89   | 97   | 101  | 121  | 129 | 137 | 146 | 150 | 154 | 170 |     |     |     |     |     |     |     |
| 82     | 9        | 30    | 15   | AZ:  | 59   | 59   | 59   | 59   | 59   | 59   | 59   | 59   | 59   | 59   | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  |     |     |     |
| R =    | 3.0 KM;  | OBS:  | 164  | 155  | 121  | 151  | 169  | 151  | 0    | 159  |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: | 3        | DPHI: | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22  | 22  | 22  | 22  | 22  | 22  | 22  | 22  | 22  |     |     |     |     |
| 82     | 9        | 30    | 15   | AZ:  | 221  | 226  | 230  | 251  | 254  | 259  | 271  | 279  | 287  | 294  | 303 | 310 | 318 | 326 | 334 | 342 | 351 | 0   | 7   | 14  | 22  | 30  | 38  |
| R =    | 5.0 KM;  | OBS:  | 8    | 14   | 21   | 26   | 17   | 21   | 2    | 14   | 30   | 16   | 22   | 25   | 35  | 34  | 59  | 55  | 31  | 93  | 152 | 188 | 179 | 240 | 205 |     |     |
| JDGMT: | 3        | DPHI: | -176 | -171 | -167 | -146 | -143 | -139 | -126 | -118 | -111 | -103 | -95  | -87  | -79 | -71 | -63 | -55 | -46 | -37 | -30 | -23 | -15 | -7  | 1   |     |     |
|        | AZ:      | 46    | 54   | 62   | 70   | 78   | 86   | 95   | 103  | 110  | 118  | 126  | 135  | 141  | 151 | 158 | 174 | 182 | 190 | 199 | 206 | 214 |     |     |     |     |     |
|        | OBS:     | 157   | 147  | 157  | 134  | 94   | 76   | 81   | 50   | 42   | 58   | 41   | 66   | 68   | 60  | 103 | 36  | 15  | 21  | 31  | 13  | 5   |     |     |     |     |     |
|        | DPHI:    | 9     | 17   | 25   | 33   | 41   | 49   | 58   | 66   | 73   | 81   | 89   | 98   | 104  | 113 | 121 | 137 | 145 | 153 | 161 | 169 | 177 |     |     |     |     |     |
| 82     | 9        | 30    | 15   | AZ:  | 230  | 233  | 234  | 241  | 246  | 257  | 260  | 270  | 206  | 211  | 214 | 219 |     |     |     |     |     |     |     |     |     |     |     |
| R =    | 7.0 KM;  | OBS:  | 6    | 7    | 11   | 12   | 25   | 37   | 52   | 38   | 22   | 5    | 9    | 6    |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: | 3        | DPHI: | -167 | -165 | -163 | -156 | -151 | -141 | -137 | -127 | 169  | 174  | 177  | 182  |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 9        | 30    | 15   | AZ:  | 221  | 229  | 233  | 239  | 246  | 254  | 263  | 270  | 278  | 286  | 293 | 310 | 318 | 327 | 334 | 343 | 350 | 358 | 6   | 14  | 22  | 31  |     |
| R =    | 10.0 KM; | OBS:  | 8    | 15   | 19   | 20   | 18   | 24   | 17   | 32   | 17   | 6    | 11   | 6    | 15  | 6   | 16  | 17  | 8   | 5   | 11  | 29  | 3   | 21  | 20  |     |     |
| JDGMT: | 3        | DPHI: | -176 | -168 | -164 | -158 | -151 | -143 | -135 | -127 | -119 | -111 | -104 | -95  | -87 | -79 | -70 | -63 | -55 | -47 | -39 | -32 | -23 | -15 | -6  |     |     |
|        | AZ:      | 39    | 47   | 55   | 63   | 71   | 79   | 86   | 94   | 103  | 110  | 117  | 126  | 136  | 145 | 151 | 159 | 166 | 175 | 182 | 190 | 197 | 206 | 214 |     |     |     |
|        | OBS:     | 160   | 158  | 195  | 230  | 189  | 149  | 10   | 113  | 87   | 36   | 14   | 11   | 6    | 22  | 2   | 32  | 8   | 5   | 2   | 0   | 62  | 0   | 4   |     |     |     |
|        | DPHI:    | 2     | 10   | 17   | 25   | 34   | 42   | 48   | 57   | 66   | 73   | 80   | 89   | 99   | 107 | 113 | 121 | 129 | 137 | 145 | 153 | 160 | 169 | 177 |     |     |     |
| 82     | 9        | 30    | 16   | AZ:  | 141  | 150  | 157  | 165  | 173  | 180  | 182  | 187  | 195  | 204  | 205 | 211 | 220 | 227 | 235 | 243 | 252 | 268 | 291 | 304 | 310 | 318 | 326 |
| R =    | 0.5 KM;  | OBS:  | 141  | 135  | 144  | 136  | 133  | 132  | 158  | 133  | 143  | 144  | 156  | 161  | 156 | 184 | 175 | 167 | 259 | 230 | 366 | 451 | 381 | 472 | 507 |     |     |
| JDGMT: | -3       | DPHI: | -175 | -167 | -159 | -152 | -144 | -137 | -134 | -129 | -121 | -112 | -111 | -105 | -97 | -89 | -81 | -73 | -64 | -48 | -25 | -12 | -6  | 2   | 10  |     |     |
|        | AZ:      | 335   | 342  | 350  | 1    | 8    | 16   | 23   | 23   | 30   | 42   | 47   | 54   | 62   | 71  | 78  | 86  | 87  | 94  | 101 | 110 | 113 | 118 | 125 |     |     |     |
|        | OBS:     | 484   | 493  | 503  | 171  | 238  | 338  | 272  | 208  | 307  | 255  | 191  | 275  | 138  | 180 | 164 | 164 | 168 | 163 | 167 | 133 | 169 | 139 | 144 |     |     |     |
|        | DPHI:    | 18    | 26   | 34   | 45   | 52   | 60   | 66   | 66   | 74   | 85   | 91   | 98   | 105  | 115 | 122 | 130 | 131 | 138 | 145 | 153 | 157 | 162 | 169 |     |     |     |
|        | AZ:      | 134   |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        | OBS:     | 152   |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |
|        | DPHI:    | 178   |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 9        | 30    | 16   | AZ:  | 213  | 261  | 277  | 285  |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R =    | 1.0 KM;  | OBS:  | 145  | 468  | 557  | 563  |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: | -1       | DPHI: | -104 | -56  | -39  | -32  |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82     | 9        | 30    | 16   | AZ:  | 138  | 158  | 166  | 174  | 183  | 187  | 191  | 207  | 221  | 225  | 228 | 233 | 233 | 238 | 246 | 252 | 258 | 258 | 262 | 268 | 273 | 285 | 309 |
| R =    | 2.0 KM;  | OBS:  | 101  | 112  | 96   | 92   | 105  | 120  | 104  | 224  | 196  | 214  | 176  | 190  | 192 | 296 | 423 | 545 | 444 | 422 | 778 | 711 | 747 | 506 | 677 |     |     |
| JDGMT: | -3       | DPHI: | -178 | -158 | -150 | -142 | -134 | -130 | -125 | -109 | -95  | -91  | -88  | -83  | -83 | -79 | -70 | -64 | -58 | -58 | -55 | -48 | -43 | -31 | -7  |     |     |
|        | AZ:      | 317   | 325  | 333  | 343  | 349  | 358  | 6    | 10   | 33   | 38   | 46   | 54   | 62   | 70  | 94  | 102 | 110 | 126 | 134 |     |     |     |     |     |     |     |
|        | OBS:     | 741   | 956  | 885  | 874  | 746  | 677  | 519  | 444  | 210  | 195  | 191  | 165  | 151  | 159 | 121 | 106 | 91  | 89  | 113 |     |     |     |     |     |     |     |
|        | DPHI:    | 1     | 9    | 17   | 26   | 33   | 42   | 49   | 53   | 77   | 82   | 90   | 98   | 105  | 114 | 138 | 145 | 153 | 170 | 177 |     |     |     |     |     |     |     |
| 82     | 9        | 30    | 16   | AZ:  | 59   | 59   | 59   | 59   | 59   | 59   | 59   | 59   | 59   | 59   | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  |

R = 3.0 KM; OBS: 144 131 3 128 138 117 137 134  
JDGMT: -2 DPHI: 102 103 103 103 103 103 103 103

82 9 30 16 AZ: 141 151 158 166 174 182 190 199 206 214 221 226 230 251 254 259 271 279 287 294 303 310 318  
R = 5.0 KM; OBS: 35 47 48 59 59 58 44 56 61 94 260 225 201 105 171 419 202 204 250 72 67 82 91  
JDGMT: 3 DPHI: -175 -166 -158 -150 -142 -134 -126 -118 -110 -102 -95 -90 -86 -65 -62 -58 -46 -37 -30 -22 -14 -7 2

AZ: 326 334 342 351 0 7 14 22 30 38 46 54 62 70 78 86 95 103 110 118 126 135  
OBS: 143 163 178 146 244 211 216 109 99 146 120 122 127 105 80 83 77 65 48 57 33 31  
DPHI: 10 18 26 35 44 51 58 66 74 82 90 98 106 114 122 130 138 146 154 162 170 179

82 9 30 16 AZ: 206 211 214 219 230 233 234 241 246 257 260 270  
R = 7.0 KM; OBS: 19 15 11 26 75 82 143 123 34 19 28 21  
JDGMT: 3 DPHI: -110 -106 -102 -98 -86 -84 -82 -75 -70 -60 -57 -46

82 9 30 16 AZ: 145 151 159 166 175 182 190 197 206 214 221 229 233 239 246 254 263 270 278 286 293 302 310  
R = 10.0 KM; OBS: 6 5 16 10 11 0 0 57 7 7 11 4 33 10 121 66 44 39 26 17 25 16 29  
JDGMT: 3 DPHI: -172 -166 -158 -150 -142 -134 -126 -119 -110 -102 -95 -88 -83 -77 -70 -62 -54 -46 -38 -30 -23 -15 -6

AZ: 318 327 334 343 350 358 6 14 22 31 39 47 55 63 71 79 86 94 103 110 117 126 136  
OBS: 11 12 16 19 30 47 43 28 55 64 119 83 75 61 88 86 61 53 39 14 26 19  
DPHI: 2 11 18 26 34 42 49 58 66 74 83 90 98 106 114 123 129 138 147 154 161 170 180

82 9 30 17 AZ: 94 101 110 113 118 125 134 141 150 157 165 173 180 182 187 195 204 205 211 220 227 235 243  
R = 0.5 KM; OBS: 106 81 105 122 115 113 130 126 118 122 120 112 128 130 127 124 118 127 116 144 139 126 167  
JDGMT: 3 DPHI: -186 -179 -170 -166 -162 -155 -146 -138 -130 -122 -115 -107 -100 -98 -92 -84 -75 -74 -68 -60 -53 -45 -37

AZ: 252 268 291 304 310 318 326 335 342 350 1 8 16 23 23 30 42 47 54 62 71 78 86  
OBS: 255 171 225 210 202 193 217 202 169 166 146 143 149 137 141 121 127 84 108 78 110 118 131  
DPHI: -27 -11 12 25 31 39 46 55 63 70 81 88 97 103 103 111 122 127 135 142 152 159 167

AZ: 87  
OBS: 112  
DPHI: 168

82 9 30 17 AZ: 213 261 277 285  
R = 1.0 KM; OBS: 154 330 515 518  
JDGMT: 1 DPHI: -67 -19 -3 5

82 9 30 17 AZ: 94 102 110 126 134 138 158 166 174 183 187 191 207 221 225 228 233 233 238 246 252 258 258  
R = 2.0 KM; OBS: 105 97 85 75 70 81 81 70 70 93 94 100 136 234 136 243 219 301 221 276 299 336 335  
JDGMT: -3 DPHI: -185 -178 -170 -154 -146 -141 -121 -113 -105 -97 -93 -89 -73 -58 -54 -51 -46 -46 -42 -34 -27 -21 -21

AZ: 262 268 273 285 309 317 325 333 343 349 358 6 10 33 38 46 54 62 70  
OBS: 330 421 440 547 415 444 428 497 461 470 385 158 150 114 80 119 106 113 127  
DPHI: -18 -11 -6 6 29 38 46 54 63 70 79 86 90 114 119 126 135 142 151

82 9 30 17 AZ: 59 59 59 59 59 59 59 59  
R = 3.0 KM; OBS: 121 111 106 105 98 105 0 103  
JDGMT: 2 DPHI: 139 140 140 140 140 140 140 140

82 9 30 17 AZ: 95 103 110 118 126 135 141 151 158 166 174 182 190 199 206 214 221 226 230 251 254 259 271

R = 5.0 KM; OBS: 77 79 71 67 68 58 43 40 47 50 48 55 78 100 0 121 121 119 141 301 364 383 336  
JDGMT: 3 DPHI: -185 -177 -170 -162 -153 -144 -138 -129 -121 -113 -105 -97 -90 -81 -73 -66 -58 -53 -50 -28 -26 -21 -9  
  
AZ: 279 287 294 303 310 318 326 334 342 351 0 7 14 22 30 38 46 54 62 70 78 86  
OBS: 284 328 104 106 91 103 127 181 188 172 164 107 111 63 76 102 103 89 107 107 88 88  
DPHI: -1 7 14 23 30 39 47 54 63 71 81 88 94 102 110 119 126 135 143 151 159 166  
  
82 9 30 17 AZ: 206 211 214 219 230 233 234 241 246 257 260 270  
R = 7.0 KM; OBS: 61 54 74 78 170 213 204 283 238 182 146 174  
JDGMT: 3 DPHI: -73 -69 -65 -61 -49 -47 -45 -39 -33 -23 -20 -10  
  
82 9 30 17 AZ: 94 103 110 117 126 136 145 151 159 166 175 182 190 206 214 229 233 239 246 254 263 270 278  
R = 10.0 KM; OBS: 39 47 40 33 45 27 35 34 20 26 33 59 25 17 28 73 147 101 247 67 70 70 86  
JDGMT: 3 DPHI: -185 -177 -170 -162 -153 -143 -135 -129 -121 -113 -105 -98 -89 -73 -65 -51 -46 -41 -33 -26 -17 -10 -2  
  
AZ: 286 293 302 310 318 327 334 343 350 358 6 14 22 31 39 47 55 63 71 79 86  
OBS: 36 25 10 19 17 24 21 17 31 0 43 20 53 29 88 15 34 36 38 43 54  
DPHI: 7 14 22 30 39 48 55 63 71 79 86 95 102 111 120 127 135 143 151 159 166  
  
82 9 30 18 AZ: 71 78 86 87 94 101 110 113 118 125 134 141 150 157 165 173 180 182 187 195 204 205 211  
R = 0.5 KM; OBS: 138 106 36 100 103 107 105 135 109 125 128 122 116 124 122 117 115 130 135 118 123 148 124  
JDGMT: 3 DPHI: -180 -173 -165 -164 -158 -151 -142 -139 -134 -127 -118 -110 -102 -95 -87 -79 -72 -70 -64 -56 -47 -47 -40  
  
AZ: 220 227 235 243 252 268 291 304 310 318 326 335 342 350 1 8 16 23 23 30 42 47 54  
OBS: 119 121 127 129 0 141 165 146 140 109 131 141 101 122 116 132 121 124 128 115 103 109 100  
DPHI: -32 -25 -17 -9 1 17 40 53 59 67 74 83 91 98 109 116 125 131 131 139 150 155 163  
  
AZ: 62  
OBS: 111  
DPHI: 170  
  
82 9 30 18 AZ: 213 261 277 285  
R = 1.0 KM; OBS: 138 280 260 285  
JDGMT: 1 DPHI: -39 9 25 33  
  
82 9 30 18 AZ: 70 94 102 110 126 134 138 158 166 174 183 187 191 207 221 225 228 233 233 238 246 252 258  
R = 2.0 KM; OBS: 79 76 82 76 80 84 83 89 83 85 112 112 103 143 134 214 215 254 239 228 280 304 288  
JDGMT: 3 DPHI: -181 -157 -150 -142 -126 -118 -113 -93 -86 -77 -69 -65 -61 -45 -30 -26 -23 -19 -19 -14 -6 1 7  
  
AZ: 258 262 268 273 285 309 317 325 333 343 349 358 6 10 33 38 46 54 62  
OBS: 280 310 321 335 283 236 269 247 280 216 150 124 16 102 94 105 88 100 78  
DPHI: 7 10 17 22 34 57 66 74 82 91 98 106 114 118 142 147 154 162 170  
  
82 9 30 18 AZ: 59 59 59 59 59 59 59 59  
R = 3.0 KM; OBS: 31 77 66 57 63 52 8 57  
JDGMT: 2 DPHI: 167 168 168 168 168 168 168 168  
  
82 9 30 18 AZ: 70 78 86 95 103 110 118 126 135 141 151 158 166 174 182 190 199 206 214 221 226 230 251  
R = 5.0 KM; OBS: 85 33 60 65 45 44 66 45 57 68 73 64 65 67 71 73 155 153 291 292 357 326 321  
JDGMT: 3 DPHI: -181 -173 -166 -157 -149 -142 -134 -125 -116 -110 -101 -94 -85 -77 -69 -62 -53 -45 -38 -30 -25 -22 0  
  
AZ: 254 259 271 279 287 294 303 310 318 326 334 342 351 0 7 14 22 30 38 46 54 62



|    |        |      |       |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |
|----|--------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|    | OBS:   | 331  | 333   | 348  | 290  | 352  | 116  | 109  | 92   | 110  | 109  | 122  | 100  | 88   | 82   | 21  | 47  | 40  | 48  | 56  | 58  | 56  | 51  |     |     |     |     |
|    | DPHI:  | 2    | 7     | 19   | 27   | 35   | 42   | 51   | 58   | 67   | 74   | 82   | 91   | 99   | 109  | 116 | 122 | 130 | 138 | 147 | 154 | 163 | 171 |     |     |     |     |
| 82 | 9      | 30   | 18    | AZ:  | 206  | 211  | 214  | 219  | 230  | 233  | 234  | 241  | 246  | 257  | 260  | 270 |     |     |     |     |     |     |     |     |     |     |     |
|    | R =    | 7.0  | KM;   | OBS: | 143  | 142  | 243  | 278  | 366  | 335  | 354  | 278  | 319  | 265  | 218  | 145 |     |     |     |     |     |     |     |     |     |     |     |
|    | JDGMT: | 3    | DPHI: | -45  | -41  | -37  | -33  | -22  | -19  | -17  | -11  | -5   | 5    | 8    | 18   |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 | 9      | 30   | 18    | AZ:  | 71   | 79   | 86   | 94   | 103  | 110  | 117  | 126  | 136  | 145  | 151  | 159 | 166 | 175 | 182 | 190 | 206 | 214 | 221 | 229 | 233 | 239 | 246 |
|    | R =    | 10.0 | KM;   | OBS: | 18   | 28   | 11   | 27   | 37   | 24   | 14   | 33   | 27   | 36   | 40   | 33  | 29  | 59  | 43  | 20  | 43  | 64  | 130 | 150 | 239 | 1   | 317 |
|    | JDGMT: | 3    | DPHI: | -181 | -173 | -166 | -157 | -149 | -142 | -134 | -125 | -116 | -107 | -101 | -93  | -85 | -77 | -70 | -61 | -45 | -37 | -30 | -23 | -19 | -13 | -5  |     |
|    | AZ:    | 254  | 263   | 270  | 278  | 286  | 293  | 302  | 310  | 318  | 327  | 334  | 343  | 350  | 358  | 6   | 14  | 22  | 31  | 39  | 47  | 55  | 63  |     |     |     |     |
|    | OBS:   | 207  | 84    | 44   | 42   | 28   | 24   | 20   | 0    | 8    | 19   | 19   | 18   | 37   | 19   | 29  | 7   | 5   | 0   | 42  | 11  | 38  | 0   |     |     |     |     |
|    | DPHI:  | 2    | 11    | 18   | 26   | 35   | 42   | 50   | 58   | 66   | 76   | 83   | 91   | 98   | 107  | 114 | 123 | 130 | 139 | 148 | 155 | 163 | 171 |     |     |     |     |
| 82 | 9      | 30   | 19    | AZ:  | 71   | 78   | 86   | 87   | 94   | 101  | 110  | 113  | 118  | 125  | 134  | 141 | 150 | 157 | 165 | 173 | 180 | 182 | 187 | 195 | 204 | 205 | 211 |
|    | R =    | 0.5  | KM;   | OBS: | 52   | 36   | 117  | 23   | 28   | 27   | 26   | 0    | 26   | 37   | 10   | 28  | 26  | 17  | 23  | 21  | 29  | 43  | 37  | 47  | 40  | 37  | 62  |
|    | JDGMT: | 2    | DPHI: | -178 | -170 | -163 | -162 | -155 | -148 | -139 | -136 | -131 | -124 | -115 | -108 | -99 | -92 | -84 | -76 | -69 | -67 | -61 | -53 | -45 | -44 | -37 |     |
|    | AZ:    | 220  | 227   | 235  | 243  | 252  | 268  | 291  | 304  | 310  | 318  | 326  | 335  | 342  | 350  | 1   | 8   | 16  | 23  | 23  | 30  | 42  | 47  | 54  |     |     |     |
|    | OBS:   | 65   | 47    | 46   | 44   | 98   | 30   | 38   | 39   | 43   | 43   | 46   | 41   | 54   | 37   | 46  | 39  | 57  | 44  | 35  | 42  | 42  | 43  | 34  |     |     |     |
|    | DPHI:  | -29  | -22   | -14  | -6   | 4    | 20   | 43   | 56   | 62   | 69   | 77   | 86   | 94   | 101  | 112 | 119 | 128 | 134 | 134 | 142 | 153 | 158 | 166 |     |     |     |
|    | AZ:    | 62   |       |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |
|    | OBS:   | 35   |       |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |
|    | DPHI:  | 173  |       |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 | 9      | 30   | 19    | AZ:  | 213  | 261  | 277  | 285  |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |
|    | R =    | 1.0  | KM;   | OBS: | 77   | 97   | 69   | 67   |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |
|    | JDGMT: | 1    | DPHI: | -36  | 12   | 28   | 36   |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 | 9      | 30   | 19    | AZ:  | 70   | 94   | 102  | 110  | 126  | 134  | 138  | 158  | 166  | 174  | 183  | 187 | 191 | 207 | 221 | 225 | 228 | 233 | 233 | 238 | 246 | 252 | 258 |
|    | R =    | 2.0  | KM;   | OBS: | 36   | 40   | 36   | 47   | 35   | 46   | 36   | 42   | 72   | 79   | 57   | 61  | 48  | 55  | 61  | 0   | 90  | 165 | 136 | 79  | 278 | 241 | 74  |
|    | JDGMT: | 3    | DPHI: | -179 | -154 | -147 | -139 | -123 | -115 | -111 | -90  | -83  | -75  | -66  | -62  | -58 | -42 | -28 | -23 | -20 | -16 | -16 | -11 | -3  | 4   | 9   |     |
|    | AZ:    | 258  | 262   | 268  | 273  | 285  | 309  | 317  | 333  | 343  | 349  | 358  | 6    | 10   | 33   | 38  | 46  | 54  | 62  |     |     |     |     |     |     |     |     |
|    | OBS:   | 79   | 156   | 133  | 159  | 114  | 110  | 129  | 86   | 84   | 47   | 65   | 57   | 47   | 76   | 51  | 34  | 38  | 45  |     |     |     |     |     |     |     |     |
|    | DPHI:  | 9    | 13    | 19   | 24   | 37   | 60   | 69   | 85   | 94   | 101  | 109  | 117  | 121  | 145  | 150 | 157 | 165 | 173 |     |     |     |     |     |     |     |     |
| 82 | 9      | 30   | 19    | AZ:  | 59   | 59   | 59   | 59   | 59   | 59   | 59   | 59   |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |
|    | R =    | 3.0  | KM;   | OBS: | 24   | 21   | 18   | 14   | 21   | 22   | 0    | 29   |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |
|    | JDGMT: | 2    | DPHI: | 170  | 170  | 170  | 170  | 170  | 170  | 170  | 170  | 170  |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 | 9      | 30   | 19    | AZ:  | 62   | 70   | 78   | 86   | 95   | 103  | 110  | 118  | 126  | 135  | 141  | 151 | 158 | 166 | 174 | 182 | 190 | 199 | 206 | 214 | 221 | 226 | 230 |
|    | R =    | 5.0  | KM;   | OBS: | 0    | 19   | 22   | 19   | 24   | 24   | 30   | 43   | 25   | 30   | 22   | 41  | 53  | 70  | 65  | 50  | 82  | 81  | 92  | 85  | 226 | 0   | 324 |
|    | JDGMT: | 3    | DPHI: | -186 | -179 | -170 | -163 | -154 | -146 | -139 | -131 | -123 | -113 | -107 | -98  | -91 | -82 | -75 | -67 | -59 | -50 | -42 | -35 | -27 | -22 | -19 |     |
|    | AZ:    | 251  | 254   | 259  | 271  | 279  | 287  | 294  | 303  | 310  | 318  | 326  | 334  | 342  | 351  | 0   | 7   | 14  | 22  | 30  | 38  | 46  | 54  |     |     |     |     |
|    | OBS:   | 327  | 327   | 243  | 281  | 93   | 96   | 89   | 76   | 71   | 84   | 77   | 97   | 33   | 28   | 28  | 22  | 29  | 14  | 19  | 31  | 14  | 11  |     |     |     |     |
|    | DPHI:  | 3    | 5     | 10   | 22   | 30   | 38   | 45   | 54   | 61   | 69   | 77   | 85   | 93   | 102  | 111 | 118 | 125 | 133 | 141 | 149 | 157 | 166 |     |     |     |     |
| 82 | 9      | 30   | 19    | AZ:  | 206  | 211  | 214  | 219  | 230  | 233  | 234  | 241  | 246  | 257  | 260  | 270 |     |     |     |     |     |     |     |     |     |     |     |

R = 7.0 KM; OBS: 121 158 162 103 187 211 319 232 320 310 315 173  
 JDGMT: 3 DPHI: -42 -38 -34 -30 -19 -16 -15 -8 -2 8 11 21

82 9 30 19 AZ: 63 71 79 86 94 103 110 117 126 136 145 151 159 166 175 182 190 206 214 221 229 233 239  
 R = 10.0 KM; OBS: 0 3 3 6 3 2 12 13 15 11 29 33 28 27 45 57 44 45 61 225 306 320 303  
 JDGMT: 3 DPHI: -186 -178 -170 -163 -155 -146 -139 -131 -122 -113 -104 -98 -90 -82 -74 -67 -58 -42 -35 -28 -20 -16 -10

AZ: 246 254 263 270 278 286 293 302 310 318 327 334 343 350 358 6 14 22 31 39 47 55  
 OBS: 299 270 132 83 73 15 18 14 16 10 24 28 17 24 70 6 17 4 2 9 0 2  
 DPHI: -3 5 14 21 29 37 45 53 61 69 78 86 94 101 110 117 125 133 142 151 158 166

82 10 1 12 AZ: 16 23 23 30 42 47 54 62 71 78 86 87 94 101 110 113 118 125 134 141 150 157 165  
 R = 0.5 KM; OBS: 31 30 56 32 32 24 17 30 20 16 20 24 12 15 26 26 22 32 17 26 2 28 28  
 JDGMT: 2 DPHI: -188 -182 -182 -174 -163 -158 -150 -143 -134 -126 -119 -118 -111 -104 -95 -92 -87 -80 -71 -64 -55 -48 -40

AZ: 173 180 182 187 195 204 205 211 220 227 235 243 252 260 268 277 291 304 310 318 326 335 342  
 OBS: 25 24 26 19 26 23 28 24 23 22 17 22 18 11 47 36 62 80 78 82 76 63 70  
 DPHI: -32 -25 -23 -17 -9 -1 0 7 15 22 30 38 48 56 64 72 87 100 106 113 121 130 138

AZ: 350 1 8  
 OBS: 65 51 54  
 DPHI: 145 156 163

82 10 1 12 AZ: 213  
 R = 1.0 KM; OBS: 16  
 JDGMT: 0 DPHI: 8

82 10 1 12 AZ: 33 38 46 54 62 70 94 102 110 117 126 134 142 149 158 166 174 178 191 207 217 221 225  
 R = 2.0 KM; OBS: 14 13 0 9 10 18 14 6 7 9 16 8 9 12 12 8 10 21 17 14 18 14 18  
 JDGMT: 3 DPHI: -171 -166 -159 -151 -143 -135 -110 -103 -95 -87 -79 -71 -63 -56 -46 -39 -31 -27 -14 2 12 16 21

AZ: 228 233 238 246 252 262 268 275 285 309 317 325 333 343 349 358 6 10  
 OBS: 5 14 17 14 24 5 31 25 5 8 22 23 14 5 7 0 5 9  
 DPHI: 24 28 33 41 48 57 63 71 81 104 113 121 129 138 145 153 161 165

82 10 1 12 AZ: 59 59 59 59 59 59 59 59  
 R = 3.0 KM; OBS: 11 0 0 7 14 6 10 14  
 JDGMT: 3 DPHI: -146 -146 -146 -146 -146 -146 -146

82 10 1 12 AZ: 22 30 38 46 54 62 70 78 86 95 103 110 118 126 135 141 151 158 166 174 182 186 190  
 R = 5.0 KM; OBS: 7 3 5 8 9 21 20 0 14 12 16 16 16 15 19 8 13 16 15 2 2 17 15  
 JDGMT: 3 DPHI: -183 -175 -167 -159 -150 -142 -135 -126 -119 -110 -102 -95 -87 -79 -69 -63 -54 -47 -38 -31 -23 -19 -15

AZ: 193 199 202 206 210 214 218 221 226 230 251 254 259 271 274 279 287 294 303 310 318 326 334  
 OBS: 13 12 17 14 18 17 17 16 29 12 17 19 14 14 14 15 17 10 22 10 8 11 2  
 DPHI: -11 -6 -3 2 5 9 13 17 22 25 46 49 54 66 69 74 82 89 98 105 113 121 129

AZ: 342 351 0 7 14  
 OBS: 7 0 3 11 9  
 DPHI: 137 146 155 162 169

82 10 1 12 AZ: 233 270

R = 7.0 KM; OBS: 20 7  
JDGMT: 0 DPHI: 28 65

82 10 1 12 AZ: 14 22 31 39 47 55 63 71 79 86 94 103 110 117 126 136 145 151 159 166 175 182 190  
R = 10.0 KM; OBS: 0 8 0 6 14 6 5 12 15 14 4 10 14 12 15 18 14 14 18 12 15 9 19  
JDGMT: 3 DPHI: -191 -183 -174 -165 -158 -150 -142 -134 -126 -119 -111 -102 -95 -87 -78 -69 -60 -54 -46 -38 -30 -23 -14

AZ: 197 206 214 221 229 233 239 246 254 263 270 278 286 293 302 310 318 327 334 343 350 358 6  
OBS: 10 15 21 30 0 18 12 19 20 12 5 5 9 6 5 3 5 7 1 9 0 10 5  
DPHI: -8 2 9 16 24 28 34 41 49 58 65 73 81 89 97 105 113 122 130 138 145 154 161

82 10 1 13 AZ: -42 -34 -26 -18 -10 1 8 16 23 23 30 42 47 54 62 71 78 86 87 94 101 110 113  
R = 0.5 KM; OBS: 165 140 106 121 127 50 95 80 80 71 58 84 79 78 71 93 66 59 59 59 41 46 49  
JDGMT: 2 DPHI: -165 -158 -149 -141 -134 -123 -116 -107 -101 -101 -93 -82 -77 -69 -62 -52 -45 -37 -36 -30 -23 -14 -10

AZ: 118 125 134 141 150 157 165 173 180 182 187 195 204 205 211 220 227 235 243 252 260 268 277  
OBS: 45 41 35 36 17 32 32 33 31 34 18 33 39 44 45 28 56 45 68 57 63 90 80  
DPHI: -6 1 10 18 26 34 41 49 56 58 64 72 81 82 88 96 103 111 119 129 137 145 153

AZ: 291 304 310  
OBS: 91 133 48  
DPHI: 168 181 187

82 10 1 13 AZ: 213  
R = 1.0 KM; OBS: 19  
JDGMT: 0 DPHI: 89

82 10 1 13 AZ: -43 -35 -27 -17 -11 -2 6 10 33 38 46 54 62 70 94 102 110 117 126 134 142 149 158  
R = 2.0 KM; OBS: 20 21 21 22 11 2 9 18 33 40 53 37 38 60 9 11 11 7 5 14 7 11 12  
JDGMT: 3 DPHI: -166 -158 -150 -141 -134 -125 -118 -114 -90 -85 -78 -69 -62 -53 -29 -22 -14 -6 2 10 18 25 35

AZ: 166 174 178 191 207 217 221 225 228 233 238 246 252 262 268 275 285 309  
OBS: 14 14 13 46 15 21 18 39 13 16 19 15 21 27 47 35 49 35  
DPHI: 43 51 55 67 83 93 98 102 105 110 114 122 129 138 145 152 162 185

82 10 1 13 AZ: 59 59 59 59 59 59 59 59  
R = 3.0 KM; OBS: 25 25 30 24 40 27 26 31  
JDGMT: 3 DPHI: -65 -64 -64 -64 -64 -64 -64 -64

82 10 1 13 AZ: -42 -34 -26 -18 -9 0 7 14 22 30 38 46 54 62 70 78 86 95 103 110 118 126 135  
R = 5.0 KM; OBS: 5 11 8 6 8 18 17 10 16 7 18 28 43 33 43 18 22 26 23 33 27 11 26  
JDGMT: 2 DPHI: -165 -157 -150 -141 -133 -123 -116 -110 -102 -94 -85 -78 -69 -61 -53 -45 -38 -29 -21 -14 -6 3 12

AZ: 141 151 158 166 174 182 186 190 193 199 202 206 210 214 218 221 226 230 251 254 259 271 274  
OBS: 19 14 22 22 24 19 23 12 19 22 10 17 19 9 27 12 14 20 19 14 19 26 12  
DPHI: 18 27 35 43 51 59 62 66 70 75 78 83 86 90 95 98 103 106 128 130 135 147 151

AZ: 279 287 294 303 310  
OBS: 23 26 22 17 16  
DPHI: 155 163 170 179 186

82 10 1 13 AZ: 233 270

R = 7.0 KM; OBS: 7 18  
JDGMT: 0 DPHI: 109 146

82 10 1 13 AZ: -42 -33 -26 -17 -10 -2 6 14 22 31 39 47 55 63 71 79 86 94 103 110 117 126 136  
R = 10.0 KM; OBS: 8 9 13 2 4 3 14 16 10 16 8 9 10 14 24 36 20 17 15 15 24 18 17  
JDGMT: 3 DPHI: -165 -156 -149 -141 -133 -125 -118 -109 -102 -93 -84 -77 -69 -61 -53 -45 -38 -29 -21 -14 -6 3 13

AZ: 145 151 159 166 175 182 190 197 206 214 221 229 233 239 246 254 263 270 278 286 293 302 310  
OBS: 22 22 18 10 28 30 1 13 18 20 23 28 12 26 31 16 16 13 10 0 9 7 14  
DPHI: 21 27 35 43 51 58 67 74 83 91 98 105 110 115 123 130 139 146 154 163 170 178 186

82 10 1 14 AZ: 30 42 47 54 62 71 78 86 87 94 101 110 113 118 125 134 141 150 157 165 173 180 182  
R = 0.5 KM; OBS: 19 27 24 24 27 27 35 80 17 24 23 32 32 16 32 37 4 38 35 20 44 32 11  
JDGMT: 3 DPHI: -178 -166 -161 -154 -146 -137 -130 -122 -121 -114 -107 -98 -95 -90 -83 -74 -67 -58 -51 -43 -35 -28 -26

AZ: 187 195 204 205 211 220 227 235 243 252 260 268 277 291 304 310 318 326 335 342 350 1 8  
OBS: 33 28 48 47 34 26 51 79 75 100 97 95 89 104 87 75 70 44 34 46 30 29 26  
DPHI: -21 -13 -4 -3 3 12 19 27 35 44 52 60 69 83 96 102 110 118 127 135 142 153 160

AZ: 16 23 23  
OBS: 19 20 35  
DPHI: 168 175 175

82 10 1 14 AZ: 213  
R = 1.0 KM; OBS: 43  
JDGMT: 0 DPHI: 5

82 10 1 14 AZ: 33 38 46 54 62 70 94 102 110 117 126 134 142 149 158 166 174 178 191 207 217 221 225  
R = 2.0 KM; OBS: 23 17 14 23 19 10 21 23 8 42 22 15 22 24 19 35 31 15 26 26 58 74 0  
JDGMT: 3 DPHI: -174 -170 -162 -154 -146 -138 -114 -106 -98 -91 -82 -74 -66 -59 -50 -42 -34 -30 -17 -1 9 13 17

AZ: 228 233 238 246 252 262 268 275 285 309 317 325 333 343 349 358 6 10  
OBS: 88 97 92 56 68 95 91 22 50 39 1 11 22 10 18 22 12 9  
DPHI: 20 25 30 38 44 54 60 67 77 101 109 117 125 135 141 150 158 162

82 10 1 14 AZ: 59 59 59 59 59 59 59 59  
R = 3.0 KM; OBS: 37 26 17 10 10 26 21 38  
JDGMT: 2 DPHI: -149 -149 -149 -149 -149 -149 -149 -149

82 10 1 14 AZ: 30 38 46 54 62 70 78 86 95 103 110 118 126 135 141 151 158 166 174 182 186 190 193  
R = 5.0 KM; OBS: 9 5 25 25 18 23 14 22 28 6 19 20 25 45 15 8 42 20 23 20 16 19 70  
JDGMT: 3 DPHI: -178 -170 -162 -154 -146 -138 -130 -122 -113 -105 -98 -90 -82 -73 -67 -57 -50 -42 -34 -26 -22 -18 -15

AZ: 199 202 206 210 214 218 221 226 230 251 254 259 271 274 279 287 294 303 310 318 326 334 342  
OBS: 15 36 90 60 78 98 108 43 139 23 28 33 24 0 26 25 8 2 3 10 9 1 12  
DPHI: -9 -6 -2 2 6 10 13 18 22 43 46 51 63 66 71 79 86 95 102 110 118 126 134

AZ: 351 0 7 14 22  
OBS: 14 3 2 0 3  
DPHI: 143 152 159 166 174

82 10 1 14 AZ: 233 270

R = 7.0 KM; OBS: 0 16  
JDGMT: 0 DPHI: 25 62

82 10 1 14 AZ: 31 39 47 55 63 71 79 86 94 103 110 117 126 136 145 151 159 166 175 182 190 197 206  
R = 10.0 KM; OBS: 5 18 8 2 2 2 14 10 1 19 15 20 6 13 6 4 3 16 14 21 48 136 117  
JDGMT: 3 DPHI: -177 -169 -161 -153 -145 -137 -129 -122 -114 -105 -98 -91 -82 -72 -63 -57 -49 -42 -33 -26 -18 -11 -2

AZ: 214 221 229 233 239 246 254 263 270 278 286 293 302 310 318 327 334 343 350 358 6 14 22  
OBS: 98 69 1 20 18 23 3 33 9 1 8 4 5 12 4 6 12 20 10 12 2 1 1  
DPHI: 6 13 21 25 31 38 46 55 62 70 78 85 94 102 110 119 126 135 142 150 158 166 174

82 10 1 15 AZ: 42 47 54 62 71 78 86 87 94 101 110 113 118 125 134 141 150 157 165 173 180 182 187  
R = 0.5 KM; OBS: 3 12 11 12 10 11 7 14 6 3 20 13 8 16 6 13 27 24 28 48 132 120 163  
JDGMT: 3 DPHI: -181 -176 -168 -161 -152 -145 -137 -136 -129 -122 -113 -110 -105 -98 -89 -82 -73 -66 -58 -50 -43 -41 -35

AZ: 195 204 205 211 220 227 235 243 252 260 268 277 291 304 310 318 326 335 342 350 1 8 16  
OBS: 223 256 143 265 268 193 314 279 381 374 298 258 225 165 152 137 96 58 36 10 9 5 14  
DPHI: -27 -19 -18 -11 -3 4 12 20 30 38 46 54 69 81 88 95 103 112 120 127 138 145 154

AZ: 23 23 30  
OBS: 18 14 7  
DPHI: 160 160 168

82 10 1 15 AZ: 213  
R = 1.0 KM; OBS: 534  
JDGMT: 0 DPHI: -10

82 10 1 15 AZ: 38 46 54 62 70 94 102 110 117 126 134 142 149 158 166 174 178 191 207 217 221 225 228  
R = 2.0 KM; OBS: 5 7 5 9 13 9 8 12 12 8 9 9 9 18 18 69 63 225 238 696 544 424 425  
JDGMT: -3 DPHI: -184 -177 -169 -161 -153 -129 -121 -113 -105 -97 -89 -81 -74 -65 -57 -49 -45 -32 -16 -6 -2 3 6

AZ: 233 238 246 252 262 268 275 285 309 317 325 333 343 349 358 6 10 33  
OBS: 378 442 168 132 95 31 17 9 17 15 12 0 2 4 11 0 13 11  
DPHI: 10 15 23 30 39 45 53 63 86 95 103 110 120 127 135 143 147 171

82 10 1 15 AZ: 59 59 59 59 59 59 59 59  
R = 3.0 KM; OBS: 8 8 10 0 6 6 0 16  
JDGMT: -2 DPHI: -164 -164 -164 -164 -164 -164 -164 -164

82 10 1 15 AZ: 38 46 54 62 70 78 86 95 103 110 118 126 135 141 151 158 166 174 182 186 190 193 199  
R = 5.0 KM; OBS: 0 12 0 12 22 19 7 6 9 20 2 14 0 9 0 16 6 23 121 241 259 475 408  
JDGMT: 3 DPHI: -185 -177 -168 -161 -153 -144 -137 -128 -120 -113 -105 -97 -88 -82 -72 -65 -57 -49 -41 -37 -33 -29 -24

AZ: 202 206 210 214 218 221 226 230 251 254 259 271 274 279 287 294 303 310 318 326 334 342 351  
OBS: 386 359 285 274 191 209 246 179 22 12 26 6 9 19 16 13 7 8 3 2 6 8 8  
DPHI: -21 -17 -13 -9 -5 -2 3 7 28 31 36 48 51 56 64 71 80 87 95 103 111 119 128

AZ: 0 7 14 22 30  
OBS: 10 6 13 0 0  
DPHI: 137 144 151 159 167

82 10 1 15 AZ: 233 270

R = 7.0 KM; OBS: 92 6  
JDGMT: 0 DPHI: 10 47

82 10 1 15 AZ: 39 47 55 63 71 79 86 94 103 110 117 126 136 145 151 159 166 175 182 190 197 206 214  
R = 10.0 KM; OBS: 8 7 4 1 8 2 0 3 4 8 6 12 9 14 12 15 9 5 7 23 43 99 152  
JDGMT: 3 DPHI: -184 -176 -168 -160 -152 -144 -137 -129 -120 -113 -105 -96 -87 -78 -72 -64 -57 -48 -41 -33 -26 -17 -9

AZ: 221 229 233 239 246 254 263 270 278 286 293 302 310 318 327 334 343 350 358 6 14 22 31  
OBS: 136 77 29 25 47 23 0 8 7 7 9 9 13 7 7 12 6 3 0 1 9 3 14  
DPHI: -2 6 10 16 23 31 40 47 55 63 71 79 87 95 104 111 120 127 135 143 151 159 168

82 10 1 16 AZ: 23 23 30 42 47 54 62 71 78 86 87 94 101 110 113 118 125 134 141 150 157 165 173  
R = 0.5 KM; OBS: 4 12 4 16 3 3 9 9 2 7 13 10 6 3 19 7 11 6 13 46 11 12 9  
JDGMT: 3 DPHI: -173 -173 -165 -154 -149 -141 -134 -124 -117 -109 -108 -101 -95 -86 -82 -77 -70 -62 -54 -46 -38 -31 -23

AZ: 180 182 187 195 204 205 211 220 227 235 243 252 260 268 277 291 304 310 318 326 335 342 350  
OBS: 18 29 16 23 0 50 0 11 5 3 10 20 5 8 0 9 0 9 4 10 8 6 10  
DPHI: -16 -14 -8 0 9 10 16 24 31 40 48 57 65 73 82 96 109 115 123 131 139 147 155

AZ: 1 8 16  
OBS: 12 1 4  
DPHI: 165 172 181

82 10 1 16 AZ: 213  
R = 1.0 KM; OBS: 21  
JDGMT: 0 DPHI: 17

82 10 1 16 AZ: 33 38 46 54 62 70 94 102 110 117 126 134 142 149 158 166 174 178 191 207 217 221 225  
R = 2.0 KM; OBS: 11 5 14 5 0 13 10 7 14 0 7 7 0 33 85 181 244 222 82 39 35 43  
JDGMT: 3 DPHI: -162 -157 -149 -141 -134 -125 -101 -94 -86 -78 -70 -62 -54 -47 -37 -29 -21 -17 -5 12 22 26 30

AZ: 228 233 238 246 252 262 268 275 285 309 317 325 333 343 349 358 6 10  
OBS: 16 19 23 96 13 16 5 6 13 10 7 0 6 14 7 0 4 7  
DPHI: 33 38 42 51 57 66 73 80 90 114 122 130 138 147 154 163 170 174

82 10 1 16 AZ: 59 59 59 59 59 59 59 59  
R = 3.0 KM; OBS: 8 0 12 13 3 7 3 9  
JDGMT: 3 DPHI: -137 -136 -136 -136 -136 -136 -136 -136

82 10 1 16 AZ: 22 30 38 46 54 62 70 78 86 95 103 110 118 126 135 141 151 158 166 174 182 186 190  
R = 5.0 KM; OBS: 9 2 20 9 0 15 36 0 8 7 11 2 24 0 5 4 12 19 56 84 233 289 335  
JDGMT: 3 DPHI: -174 -166 -157 -149 -141 -133 -125 -117 -109 -101 -93 -85 -78 -69 -60 -54 -45 -37 -29 -21 -13 -10 -5

AZ: 193 199 202 206 210 214 218 221 226 230 251 254 259 271 274 279 287 294 303 310 318 326 334  
OBS: 307 401 282 264 230 207 161 135 98 40 0 19 13 2 0 4 13 8 6 21 9 14 12  
DPHI: -2 3 7 11 15 18 23 26 31 34 56 59 63 75 79 83 91 99 107 114 123 131 138

AZ: 342 351 0 7 14  
OBS: 5 0 10 12 7  
DPHI: 147 155 165 172 178

82 10 1 16 AZ: 233 270

R = 7.0 KM; OBS: 70 6  
JDGMT: 0 DPHI: 37 75

82 10 1 16 AZ: 22 31 39 47 55 63 71 79 86 94 103 110 117 126 136 145 151 159 166 175 182 190 197  
R = 10.0 KM; OBS: 13 7 5 12 11 13 6 5 11 12 5 0 6 12 11 2 8 12 3 37 126 257 227  
JDGMT: 3 DPHI: -173 -165 -156 -149 -141 -133 -125 -116 -110 -101 -93 -85 -78 -69 -59 -51 -45 -37 -29 -21 -14 -5 2

AZ: 206 214 221 229 233 239 246 254 263 270 278 286 293 302 310 318 327 334 343 350 358 6 14  
OBS: 135 102 93 92 73 32 13 28 7 7 0 8 5 5 7 12 0 11 4 0 5 17 7  
DPHI: 11 19 26 33 38 44 51 59 67 75 82 91 98 106 115 123 132 139 147 155 163 170 179

82 10 1 17 AZ: 30 42 47 54 62 71 78 86 87 94 101 110 113 118 125 134 141 150 157 165 173 180 182  
R = 0.5 KM; OBS: 13 10 8 6 3 4 3 7 1 5 0 0 11 1 1 7 4 32 12 2 1 0 24  
JDGMT: 3 DPHI: -175 -164 -159 -151 -144 -134 -127 -119 -118 -111 -105 -96 -92 -87 -80 -72 -64 -56 -48 -41 -33 -26 -24

AZ: 187 195 204 205 211 220 227 235 243 252 260 268 277 291 304 310 318 326 335 342 350 1 8  
OBS: 5 7 8 12 9 7 11 18 17 8 8 5 11 2 7 0 6 4 11 2 6 3 5  
DPHI: -18 -10 -1 0 6 14 21 30 38 47 55 63 72 86 99 105 113 121 129 137 145 155 162

AZ: 16 23 23  
OBS: 4 5 3  
DPHI: 171 177 177

82 10 1 17 AZ: 213  
R = 1.0 KM; OBS: 22  
JDGMT: 0 DPHI: 7

82 10 1 17 AZ: 33 38 46 54 62 70 94 102 110 117 126 134 142 149 158 166 174 178 191 207 217 221 225  
R = 2.0 KM; OBS: 3 11 4 6 0 4 3 15 1 0 0 3 3 5 12 14 25 7 45 48 53 82 124  
JDGMT: 3 DPHI: -172 -167 -159 -151 -144 -135 -111 -104 -96 -88 -80 -72 -64 -57 -47 -39 -31 -27 -15 2 12 16 20

AZ: 228 233 238 246 252 262 268 275 285 309 317 325 333 343 349 358 6 10  
OBS: 58 3 29 0 41 31 9 0 15 1 10 12 0 6 6 3 6 0  
DPHI: 23 28 32 41 47 56 63 70 80 104 112 120 128 137 144 153 160 164

82 10 1 17 AZ: 59 59 59 59 59 59 59 59  
R = 3.0 KM; OBS: 9 5 8 6 2 18 0 0  
JDGMT: 2 DPHI: -147 -146 -146 -146 -146 -146 -146 -146

82 10 1 17 AZ: 30 38 46 54 62 70 78 86 95 103 110 118 126 135 141 151 158 166 174 182 186 190 193  
R = 5.0 KM; OBS: 3 3 1 15 0 2 12 10 1 11 0 8 0 1 7 1 1 61 72 104 90 154 9  
JDGMT: 3 DPHI: -176 -167 -159 -151 -143 -135 -127 -119 -111 -103 -95 -88 -79 -70 -64 -55 -47 -39 -31 -23 -20 -15 -12

AZ: 199 202 206 210 214 218 221 226 230 251 254 259 271 274 279 287 294 303 310 318 326 334 342  
OBS: 93 127 105 113 102 80 106 84 41 12 1 16 6 0 7 12 6 9 1 0 0 1 10  
DPHI: -7 -3 1 5 8 13 16 21 24 46 49 53 65 69 73 81 89 97 104 113 121 128 137

AZ: 351 0 7 14 22  
OBS: 10 5 1 5 1  
DPHI: 145 155 162 168 176

82 10 1 17 AZ: 233 270

R = 7.0 KM; OBS: 22 22  
JDGMT: 0 DPHI: 27 65

82 10 1 17 AZ: 31 39 47 55 63 71 79 86 94 103 110 117 126 136 145 151 159 166 175 182 190 197 206  
R = 10.0 KM; OBS: 1 0 3 4 4 1 6 7 4 5 9 7 3 3 1 2 9 0 19 0 125 163 118  
JDGMT: 3 DPHI: -175 -166 -159 -151 -143 -135 -126 -120 -111 -103 -95 -88 -79 -69 -61 -55 -47 -39 -31 -24 -15 -8 1

AZ: 214 221 229 233 239 246 254 263 270 278 286 293 302 310 318 327 334 343 350 358 6 14 22  
OBS: 67 28 15 8 13 1 8 12 3 8 0 7 6 12 5 6 2 30 1 0 2 1 12  
DPHI: 9 16 23 28 34 41 49 57 65 72 81 88 96 105 113 122 129 137 145 153 160 169 177

82 10 1 18 AZ: 54 62 71 78 86 87 94 101 110 113 118 125 134 141 150 157 165 173 180 182 187 195 204  
R = 0.5 KM; OBS: 0 2 0 8 1 0 5 2 6 0 5 0 2 0 6 1 0 0 4 7 8 0 3  
JDGMT: 3 DPHI: -172 -164 -155 -148 -140 -139 -132 -125 -116 -113 -108 -101 -92 -85 -77 -69 -61 -53 -46 -44 -39 -31 -22

AZ: 205 211 220 227 235 243 252 260 268 277 291 304 310 318 326 335 342 350 1 8 16 23 23  
OBS: 23 0 0 0 0 10 5 6 0 0 5 2 0 9 0 2 1 1 0 9 5 11 0  
DPHI: -21 -15 -6 1 9 17 26 34 42 51 65 78 84 92 100 108 116 124 135 142 150 156 157

AZ: 30 42 47  
OBS: 2 0 0  
DPHI: 164 176 181

82 10 1 18 AZ: 213  
R = 1.0 KM; OBS: 15  
JDGMT: 0 DPHI: -13

82 10 1 18 AZ: 54 62 70 94 102 110 117 126 134 142 149 158 166 174 178 191 207 217 221 225 228 233 238  
R = 2.0 KM; OBS: 0 0 1 6 2 10 0 7 3 0 6 0 0 8 2 14 34 61 52 70 65 22 9  
JDGMT: 3 DPHI: -172 -165 -156 -132 -124 -117 -109 -100 -92 -84 -77 -68 -60 -52 -48 -35 -19 -9 -5 -1 2 7 12

AZ: 246 252 262 268 275 285 309 317 325 333 343 349 358 6 10 33 38 46  
OBS: 7 1 3 9 1 2 2 2 3 0 3 4 9 11 1 0 2 0  
DPHI: 20 26 35 42 49 59 83 91 99 107 117 123 132 140 144 167 172 180

82 10 1 18 AZ: 59 59 59 59 59 59 59 59  
R = 3.0 KM; OBS: 1 3 0 9 0 0 0 3  
JDGMT: 1 DPHI: -167 -167 -167 -167 -167 -167 -167 -167

82 10 1 18 AZ: 54 62 70 78 86 95 103 110 118 126 135 141 151 158 166 174 182 186 190 193 199 202 206  
R = 5.0 KM; OBS: 0 4 1 0 1 0 5 14 1 7 1 0 0 0 6 3 0 7 11 1 7 10 38  
JDGMT: 3 DPHI: -172 -164 -156 -148 -140 -131 -123 -116 -108 -100 -91 -85 -75 -68 -60 -52 -44 -40 -36 -33 -28 -24 -20

AZ: 210 214 218 221 226 230 251 254 259 271 274 279 287 294 303 310 318 326 334 342 351 0 7  
OBS: 47 65 73 75 57 54 64 40 17 53 18 19 14 15 3 4 2 0 0 1 0 1 0  
DPHI: -16 -12 -8 -5 0 4 25 28 33 45 48 53 60 68 76 84 92 100 108 116 125 134 141

AZ: 14 22 30 38 46  
OBS: 1 0 0 0 1  
DPHI: 148 156 164 172 180

82 10 1 18 AZ: 233 270



R = 7.0 KM; OBS: 108 27  
JDGMT: 0 DPHI: 7 44

82 10 1 18 AZ: 55 63 71 79 86 94 103 110 117 126 136 145 151 159 166 175 182 190 197 206 214 221 229  
R = 10.0 KM; OBS: 1 0 1 2 1 4 0 0 2 1 7 0 0 8 0 4 0 48 16 65 120 119 101  
JDGMT: 3 DPHI: -172 -164 -155 -147 -140 -132 -123 -116 -109 -100 -90 -82 -76 -68 -60 -51 -44 -36 -29 -20 -12 -5 3

AZ: 233 239 246 254 263 270 278 286 293 302 310 318 327 334 343 350 358 6 14 22 31 39 47  
OBS: 108 19 55 20 41 7 5 4 6 5 2 4 4 0 0 0 0 0 0 0 0 0 3  
DPHI: 7 13 20 28 36 44 52 60 67 76 84 92 101 108 117 124 132 139 148 156 165 173 181

82 10 1 19 AZ: 54 62 71 78 86 87 94 101 110 113 118 125 134 141 150 157 165 173 180 182 187 195 204  
R = 0.5 KM; OBS: 7 1 8 0 0 1 0 0 3 3 10 3 4 2 13 0 2 9 4 1 0 6 2  
JDGMT: 3 DPHI: -173 -165 -156 -149 -141 -140 -133 -126 -117 -114 -109 -102 -93 -86 -77 -70 -62 -54 -47 -45 -39 -31 -23

AZ: 205 211 220 227 235 243 252 260 268 277 291 304 310 318 326 335 342 350 1 8 16 23 23  
OBS: 8 4 3 12 1 0 0 0 3 0 3 5 0 2 3 0 2 5 0 0 0 0 11  
DPHI: -22 -15 -7 0 8 16 26 34 41 50 65 77 84 91 99 108 116 123 134 141 150 156 156

AZ: 30 42 47  
OBS: 2 0 4  
DPHI: 164 175 180

82 10 1 19 AZ: 213  
R = 1.0 KM; OBS: 0  
JDGMT: 0 DPHI: -14

82 10 1 19 AZ: 54 62 70 94 102 110 117 126 134 142 149 158 166 174 178 191 207 217 221 225 228 233 238  
R = 2.0 KM; OBS: 0 0 8 2 3 0 0 2 5 5 1 0 1 1 14 10 0 5 4 0 13 0 0  
JDGMT: 3 DPHI: -173 -165 -157 -133 -125 -117 -109 -101 -93 -85 -78 -69 -61 -53 -49 -36 -20 -10 -6 -2 2 6 11

AZ: 246 252 262 268 275 285 309 317 325 333 343 349 358 6 10 33 38 46  
OBS: 6 10 4 11 4 4 4 11 2 0 4 3 0 1 0 0 4 3  
DPHI: 19 26 35 41 49 59 82 91 99 106 116 123 131 139 143 167 172 179

82 10 1 19 AZ: 59 59 59 59 59 59 59 59  
R = 3.0 KM; OBS: 3 12 2 6 5 0 3 4  
JDGMT: 2 DPHI: -168 -168 -168 -168 -168 -168 -168 -168

82 10 1 19 AZ: 54 62 70 78 86 95 103 110 118 126 135 141 151 158 166 174 182 186 190 193 199 202 206  
R = 5.0 KM; OBS: 0 15 6 13 10 11 7 0 0 12 12 3 6 12 0 1 11 1 11 17 4 9 12  
JDGMT: 3 DPHI: -172 -165 -157 -149 -141 -132 -124 -117 -109 -101 -92 -86 -76 -69 -61 -53 -45 -41 -37 -33 -28 -25 -21

AZ: 210 214 218 221 226 230 251 254 259 271 274 279 287 294 303 310 318 326 334 342 351 0 7  
OBS: 1 22 29 24 11 31 58 18 10 10 2 2 2 5 12 11 0 5 5 0 0 9 8  
DPHI: -17 -13 -9 -6 -1 3 24 27 32 44 47 52 60 67 76 83 91 99 107 115 124 133 140

AZ: 14 22 30 38 46  
OBS: 2 13 4 9 21  
DPHI: 147 155 163 171 179

82 10 1 19 AZ: 233 270

R = 7.0 KM; OBS: 126 35  
JDGMT: 0 DPHI: 6 43

82 10 1 19 AZ: 55 63 71 79 86 94 103 110 117 126 136 145 151 159 166 175 182 197 206 214 221 229 233  
R = 10.0 KM; OBS: 3 8 10 0 3 0 2 0 3 3 4 10 12 9 0 3 0 0 63 149 166 165 101  
JDGMT: 3 DPHI: -172 -164 -156 -148 -141 -133 -124 -117 -109 -100 -91 -82 -76 -68 -61 -52 -45 -30 -21 -13 -6 2 6

AZ: 239 246 254 263 270 278 286 293 302 310 318 327 334 343 350 358 6 14 22 31 39 47  
OBS: 49 97 52 49 18 10 5 3 6 11 3 0 3 0 0 4 6 9 3 10 2 5  
DPHI: 12 19 27 36 43 51 59 67 75 83 91 100 107 116 123 131 139 147 155 164 172 180

82 10 1 20 AZ: 54 62 71 78 86 87 94 101 110 113 118 125 134 141 150 157 165 173 180 182 187 195 204  
R = 0.5 KM; OBS: 0 9 7 1 8 2 0 4 7 1 0 1 10 0 6 3 0 10 2 0 4 13 0  
JDGMT: 3 DPHI: -174 -166 -157 -150 -142 -141 -134 -127 -118 -115 -110 -103 -94 -87 -78 -71 -63 -55 -48 -46 -40 -32 -24

AZ: 205 211 220 227 235 243 252 260 268 277 291 304 310 318 326 335 342 350 1 8 16 23 23  
OBS: 1 0 4 4 6 8 10 3 23 0 20 0 0 4 7 0 8 1 0 1 0 0 7  
DPHI: -23 -16 -8 -1 7 15 25 33 40 49 64 76 83 90 98 107 115 122 133 140 149 155 155

AZ: 30 42 47  
OBS: 0 2 0  
DPHI: 163 174 179

82 10 1 20 AZ: 213  
R = 1.0 KM; OBS: 0  
JDGMT: 0 DPHI: -15

82 10 1 20 AZ: 54 62 70 94 102 110 117 126 134 142 149 158 166 174 178 191 207 217 221 225 228 233 238  
R = 2.0 KM; OBS: 0 0 1 7 5 1 0 6 8 3 4 0 2 2 4 0 0 16 2 0 2 0 0  
JDGMT: 3 DPHI: -174 -166 -158 -134 -126 -118 -110 -102 -94 -86 -79 -70 -62 -54 -50 -37 -21 -11 -7 -3 1 5 10

AZ: 246 252 262 268 275 285 309 317 325 333 343 349 358 6 10 33 38 46  
OBS: 3 3 6 7 2 1 3 0 1 0 1 3 0 4 3 3 5 0  
DPHI: 18 25 34 40 48 58 81 90 98 105 115 122 130 138 142 166 171 178

82 10 1 20 AZ: 59 59 59 59 59 59 59 59  
R = 3.0 KM; OBS: 0 1 0 0 0 4 0 3  
JDGMT: 1 DPHI: -169 -169 -169 -169 -169 -169 -169 -169

82 10 1 20 AZ: 54 62 70 78 86 95 103 110 118 126 135 141 151 158 166 174 182 186 190 193 199 202 206  
R = 5.0 KM; OBS: 10 0 0 0 0 2 2 3 4 0 2 2 1 0 7 10 1 11 1 1 0 5 5  
JDGMT: 3 DPHI: -173 -166 -158 -150 -142 -133 -125 -118 -110 -102 -93 -87 -77 -70 -62 -54 -46 -42 -38 -34 -29 -26 -22

AZ: 210 214 218 221 226 230 251 254 259 271 274 279 287 294 303 310 318 326 334 342 351 0 7  
OBS: 6 15 2 2 0 6 2 0 2 2 0 20 1 3 0 6 2 0 0 0 0 6 4  
DPHI: -18 -14 -10 -7 -2 2 23 26 31 43 46 51 59 66 75 82 90 98 106 114 123 132 139

AZ: 14 22 30 38 46  
OBS: 0 2 8 1 1  
DPHI: 146 154 162 170 178

82 10 1 20 AZ: 233 270

R = 7.0 KM; OBS: 99 22  
 JDGMT: 0 DPHI: 5 42

82 10 1 20 AZ: 55 63 71 79 86 94 103 110 117 126 136 145 151 159 166 175 182 197 206 214 221 229 233  
 R = 10.0 KM; OBS: 0 2 7 4 1 11 2 0 0 1 0 2 1 2 0 6 0 6 81 93 156 131 95  
 JDGMT: 3 DPHI: -173 -165 -157 -149 -142 -134 -125 -118 -110 -101 -92 -83 -77 -69 -62 -53 -46 -31 -22 -14 -7 1 5

AZ: 239 246 254 263 270 278 286 293 302 310 318 327 334 343 350 358 6 14 22 31 39 47  
 OBS: 65 74 64 25 5 21 8 6 0 1 1 0 1 10 3 7 0 1 0 1 0 8  
 DPHI: 11 18 26 35 42 50 58 66 74 82 90 99 106 115 122 130 138 146 154 163 171 179

82 10 2 12 AZ: 173 180 187 195 204 205 211 220 227 235 243 252 260 268 277 283 291 304 310 318 326  
 R = 0.5 KM; OBS: 1 1 0 1 2 15 9 0 1 15 26 7 7 0 6 9 11 0 0 2 3  
 JDGMT: 3 DPHI: -77 -70 -62 -54 -46 -45 -38 -30 -23 -15 -7 2 10 18 27 33 42 54 61 68 76

82 10 2 12 AZ: 94 141 165 173 181 189 197 205 213 222 228 236 245 253 261 268 277 285 315 323 332 342 358  
 R = 1.0 KM; OBS: 1 0 0 1 1 1 9 2 0 0 0 2 3 1 0 6 2 10 3 0 7 7 1  
 JDGMT: 3 DPHI: -156 -108 -85 -77 -68 -61 -53 -45 -37 -28 -21 -14 -5 3 11 18 27 35 65 74 83 92 108

AZ: 46  
 OBS: 0  
 DPHI: 156

82 10 2 12 AZ: 130 166 174 183 191 207 213 221 228 233 233 241 243 245 246 250 252 255 258 258 262 268 275  
 R = 2.0 KM; OBS: 0 0 0 1 7 9 3 9 1 0 2 25 26 75 108 99 74 69 51 71 26 3 0  
 JDGMT: 3 DPHI: -120 -84 -76 -67 -59 -43 -37 -29 -21 -17 -17 -9 -7 -5 -4 0 3 5 8 8 12 18 26

AZ: 285 309 317 325 333 343 349 3 66  
 OBS: 0 8 3 0 7 0 7 0 0  
 DPHI: 36 59 68 76 83 93 100 113 176

82 10 2 12 AZ: 174 182 230 238 243 245 247 248 250 250 262 271 278 286 295 309 318 324 341 351  
 R = 3.0 KM; OBS: 8 8 0 3 25 51 158 142 138 213 6 7 3 4 9 0 2 15 1 8  
 JDGMT: 3 DPHI: -76 -67 -19 -11 -7 -5 -3 -2 0 0 12 21 28 36 45 59 68 74 91 101

82 10 2 12 AZ: 174 182 190 199 206 214 221 230 246 246 247 247 248 248 248 249 249 249 249 254 271 279 287  
 R = 5.0 KM; OBS: 3 0 7 4 1 3 0 4 102 155 157 212 196 194 161 197 129 134 152 187 1 12 3  
 JDGMT: 3 DPHI: -76 -68 -60 -51 -44 -36 -29 -20 -4 -4 -3 -3 -2 -2 -2 -1 -1 -1 0 4 21 29 37

AZ: 294 303 310 318 326 339 345  
 OBS: 0 3 1 1 0 5 8  
 DPHI: 44 53 60 68 76 89 96

82 10 2 12 AZ: 170 178 186 194 206 219 228 230 231 232 233 233 234 235 236 237 238 239 240 241 242 244 245  
 R = 7.0 KM; OBS: 0 7 2 0 1 0 0 3 0 0 0 0 4 0 0 2 4 3 0 10 0 90 83  
 JDGMT: 3 DPHI: -80 -72 -64 -55 -43 -31 -22 -20 -19 -18 -17 -17 -16 -15 -14 -13 -12 -11 -10 -9 -8 -6 -5

AZ: 245 245 245 246 247 248 250 251 252 260 268 270 277 285 292 300 308 316 324 331 341 346  
 OBS: 135 123 170 320 354 157 162 380 424 67 0 1 1 14 10 1 12 2 3 0 2 2  
 DPHI: -5 -5 -5 -3 -3 -2 0 1 2 10 19 20 27 35 42 50 58 66 74 82 91 96

82 10 2 12 AZ: 182 190 199 206 212 225 230 238 248 254 262 270 278 286 294 302 310 318 326 334 344

|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------------------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| R = 15.0 KM; OBS: | 48   | 0    | 1   | 4   | 6   | 5   | 10  | 4   | 10  | 288 | 9   | 1   | 9   | 7   | 0   | 0   | 1   | 0   | 36  | 4   | 1   |     |     |
| JDGMT: 3 DPHI:    | -67  | -60  | -51 | -44 | -38 | -25 | -20 | -12 | -2  | 4   | 13  | 20  | 28  | 36  | 44  | 52  | 60  | 68  | 76  | 84  | 94  |     |     |
|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 2 13 AZ:    | 173  | 180  | 187 | 195 | 204 | 205 | 211 | 220 | 227 | 235 | 243 | 252 | 260 | 268 | 277 | 283 | 291 | 304 | 310 | 318 | 326 |     |     |
| R = 0.5 KM; OBS:  | 0    | 0    | 1   | 5   | 2   | 9   | 1   | 10  | 1   | 10  | 10  | 38  | 38  | 15  | 17  | 19  | 0   | 14  | 0   | 0   | 4   |     |     |
| JDGMT: 3 DPHI:    | -82  | -75  | -68 | -60 | -51 | -50 | -44 | -35 | -28 | -20 | -12 | -3  | 5   | 13  | 22  | 28  | 36  | 49  | 55  | 63  | 71  |     |     |
|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 2 13 AZ:    | 94   | 141  | 165 | 173 | 181 | 189 | 197 | 205 | 213 | 222 | 228 | 236 | 245 | 253 | 261 | 268 | 277 | 285 | 315 | 323 | 332 | 342 | 358 |
| R = 1.0 KM; OBS:  | 0    | 0    | 9   | 0   | 0   | 0   | 8   | 0   | 0   | 10  | 0   | 21  | 171 | 105 | 135 | 122 | 124 | 97  | 4   | 3   | 16  | 2   | 2   |
| JDGMT: 3 DPHI:    | -161 | -114 | -91 | -83 | -74 | -66 | -58 | -50 | -42 | -33 | -27 | -19 | -10 | -2  | 5   | 13  | 22  | 30  | 60  | 68  | 77  | 87  | 103 |
|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| AZ:               | 46   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| OBS:              | 0    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| DPHI:             | 151  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 2 13 AZ:    | 130  | 166  | 174 | 183 | 191 | 207 | 213 | 221 | 228 | 233 | 233 | 241 | 243 | 245 | 246 | 250 | 252 | 255 | 258 | 258 | 262 | 268 | 275 |
| R = 2.0 KM; OBS:  | 0    | 2    | 0   | 8   | 8   | 0   | 0   | 12  | 5   | 21  | 26  | 89  | 160 | 267 | 254 | 6   | 356 | 385 | 476 | 469 | 454 | 265 | 93  |
| JDGMT: 3 DPHI:    | -125 | -89  | -81 | -72 | -64 | -48 | -42 | -34 | -27 | -22 | -22 | -14 | -12 | -10 | -9  | -6  | -3  | 0   | 3   | 3   | 6   | 13  | 20  |
|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| AZ:               | 285  | 309  | 317 | 325 | 333 | 343 | 349 | 3   | 66  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| OBS:              | 25   | 39   | 12  | 7   | 0   | 2   | 0   | 3   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| DPHI:             | 30   | 54   | 62  | 70  | 78  | 88  | 94  | 107 | 171 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 2 13 AZ:    | 174  | 182  | 230 | 238 | 243 | 245 | 247 | 248 | 250 | 250 | 262 | 271 | 278 | 286 | 295 | 309 | 318 | 324 | 341 | 351 |     |     |     |
| R = 3.0 KM; OBS:  | 3    | 3    | 20  | 95  | 82  | 93  | 98  | 73  | 139 | 261 | 602 | 454 | 35  | 0   | 4   | 0   | 3   | 0   | 0   | 16  |     |     |     |
| JDGMT: -3 DPHI:   | -81  | -73  | -25 | -17 | -12 | -10 | -8  | -8  | -6  | -5  | 7   | 16  | 23  | 31  | 40  | 54  | 63  | 69  | 86  | 96  |     |     |     |
|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 2 13 AZ:    | 174  | 182  | 190 | 199 | 206 | 214 | 221 | 230 | 246 | 246 | 247 | 247 | 248 | 248 | 248 | 249 | 249 | 249 | 249 | 254 | 271 | 279 | 287 |
| R = 5.0 KM; OBS:  | 2    | 0    | 3   | 0   | 0   | 1   | 0   | 8   | 107 | 128 | 106 | 177 | 66  | 259 | 9   | 117 | 275 | 252 | 286 | 348 | 92  | 66  | 10  |
| JDGMT: 3 DPHI:    | -81  | -73  | -65 | -56 | -49 | -41 | -34 | -25 | -10 | -9  | -9  | -8  | -8  | -7  | -7  | -6  | -6  | -6  | -6  | -1  | 16  | 24  | 31  |
|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| AZ:               | 294  | 303  | 310 | 318 | 326 | 339 | 345 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| OBS:              | 5    | 0    | 0   | 10  | 4   | 0   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| DPHI:             | 39   | 47   | 55  | 63  | 71  | 84  | 90  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 2 13 AZ:    | 170  | 178  | 186 | 194 | 202 | 206 | 219 | 228 | 230 | 231 | 232 | 233 | 233 | 234 | 235 | 236 | 237 | 238 | 239 | 240 | 241 | 242 | 244 |
| R = 7.0 KM; OBS:  | 0    | 4    | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 2   | 0   | 0   | 3   | 5   | 0   | 14  | 20  | 17  | 45  |
| JDGMT: 3 DPHI:    | -85  | -77  | -69 | -61 | -53 | -49 | -36 | -27 | -25 | -24 | -23 | -22 | -22 | -21 | -20 | -19 | -18 | -17 | -16 | -15 | -14 | -13 | -11 |
|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| AZ:               | 245  | 245  | 245 | 245 | 246 | 247 | 248 | 250 | 251 | 252 | 260 | 268 | 270 | 277 | 285 | 292 | 300 | 308 | 316 | 324 | 331 | 341 | 346 |
| OBS:              | 115  | 185  | 93  | 156 | 211 | 249 | 169 | 271 | 386 | 397 | 262 | 129 | 111 | 17  | 4   | 8   | 8   | 12  | 1   | 6   | 8   | 4   | 1   |
| DPHI:             | -10  | -10  | -10 | -10 | -9  | -8  | -7  | -5  | -4  | -3  | 5   | 13  | 15  | 22  | 30  | 37  | 45  | 53  | 61  | 69  | 76  | 85  | 91  |
|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 2 13 AZ:    | 182  | 190  | 199 | 206 | 212 | 225 | 230 | 238 | 248 | 254 | 262 | 270 | 278 | 286 | 294 | 302 | 310 | 318 | 326 | 334 | 344 |     |     |
| R = 15.0 KM; OBS: | 0    | 0    | 10  | 1   | 9   | 1   | 18  | 0   | 14  | 316 | 93  | 15  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 12  | 1   |     |     |
| JDGMT: 3 DPHI:    | -73  | -65  | -56 | -49 | -43 | -30 | -25 | -17 | -7  | -1  | 7   | 15  | 23  | 31  | 39  | 47  | 55  | 63  | 70  | 79  | 89  |     |     |
|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 2 14 AZ:    | 173  | 180  | 187 | 195 | 204 | 205 | 211 | 220 | 227 | 235 | 243 | 252 | 260 | 268 | 277 | 283 | 291 | 304 | 310 | 318 | 326 |     |     |
| R = 0.5 KM; OBS:  | 33   | 35   | 52  | 55  | 67  | 61  | 60  | 61  | 65  | 82  | 96  | 74  | 92  | 121 | 113 | 102 | 124 | 104 | 119 | 112 | 80  |     |     |
| JDGMT: 2 DPHI:    | -111 | -104 | -96 | -88 | -80 | -79 | -72 | -64 | -57 | -49 | -41 | -31 | -23 | -15 | -7  | -1  | 8   | 21  | 27  | 35  | 42  |     |     |
|                   |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 2 14 AZ:    | 141  | 165  | 173 | 181 | 189 | 197 | 205 | 213 | 222 | 228 | 236 | 245 | 253 | 261 | 268 | 277 | 285 | 315 | 323 | 332 | 342 | 358 | 46  |

R = 1.0 KM; OBS: 7 4 7 2 16 7 28 33 61 69 51 73 92 105 152 249 302 312 390 425 337 190 15  
 JDGMT: 2 DPHI: -142 -119 -111 -102 -94 -87 -79 -71 -62 -55 -47 -38 -31 -23 -15 -7 1 31 40 49 58 74 122

AZ: 94  
 OBS: 10  
 DPHI: 170

82 10 2 14 AZ: 130 166 174 183 191 207 213 221 228 233 233 241 243 245 246 250 252 255 258 258 262 268 275  
 R = 2.0 KM; OBS: 0 0 0 5 0 8 22 0 5 11 14 68 56 54 69 31 89 73 200 200 226 367 336  
 JDGMT: 3 DPHI: -154 -118 -109 -101 -93 -77 -70 -63 -55 -51 -51 -43 -41 -38 -38 -34 -31 -29 -25 -25 -22 -15 -8

AZ: 285 309 317 325 333 343 349 3 66  
 OBS: 330 270 303 360 316 319 219 167 4  
 DPHI: 2 25 34 42 50 59 66 79 142

82 10 2 14 AZ: 174 182 230 238 243 245 247 248 250 250 262 271 278 286 295 309 318 324 341 351  
 R = 3.0 KM; OBS: 0 4 17 77 103 134 118 123 164 189 292 368 286 161 156 78 77 51 98 63  
 JDGMT: 3 DPHI: -110 -101 -53 -45 -41 -39 -36 -36 -34 -33 -21 -13 -5 2 11 26 34 41 57 67

82 10 2 14 AZ: 174 182 190 199 206 214 221 230 246 246 247 247 248 248 248 249 249 249 254 271 279 287  
 R = 5.0 KM; OBS: 0 0 0 0 1 3 7 0 0 9 10 8 31 122 21 91 67 257 244 388 343 303  
 JDGMT: 3 DPHI: -109 -101 -94 -85 -77 -70 -62 -54 -38 -38 -37 -37 -36 -36 -35 -35 -35 -34 -34 -30 -13 -5 3

AZ: 294 303 310 318 326 339 345  
 OBS: 159 122 61 0 36 55 81  
 DPHI: 10 19 26 35 42 55 62

82 10 2 14 AZ: 170 178 186 194 202 206 219 228 229 230 231 232 233 233 234 235 236 237 238 239 240 241 242  
 R = 7.0 KM; OBS: 0 1 6 8 8 0 9 0 2 3 8 0 0 0 2 0 0 1 0 7 0 8 0  
 JDGMT: 3 DPHI: -113 -105 -97 -89 -82 -77 -65 -56 -55 -54 -52 -52 -51 -50 -49 -48 -48 -47 -46 -44 -44 -43 -42

AZ: 243 244 245 245 245 245 246 247 248 249 250 251 252 260 268 270 277 285 292 300 308 316 324  
 OBS: 3 4 0 7 8 0 0 3 0 9 7 0 23 252 273 202 218 131 89 52 58 49 45  
 DPHI: -41 -40 -39 -39 -38 -38 -37 -36 -36 -35 -34 -32 -32 -24 -15 -14 -7 1 8 16 24 33 41

AZ: 331 341 346  
 OBS: 54 32 30  
 DPHI: 48 57 62

82 10 2 14 AZ: 182 190 199 206 212 225 230 238 248 254 262 270 278 286 294 302 310 318 326 334 344  
 R = 15.0 KM; OBS: 0 1 9 10 6 0 12 2 1 148 0 89 25 0 6 0 16 1 0 10 2  
 JDGMT: 3 DPHI: -101 -93 -85 -78 -72 -59 -54 -46 -35 -29 -21 -14 -6 2 10 19 27 35 42 51 60

82 10 2 15 AZ: 173 180 187 195 204 205 211 220 227 235 243 252 260 268 277 283 291 304 310 318 326  
 R = 0.5 KM; OBS: 1 1 1 0 0 8 5 4 6 6 6 10 19 0 11 11 8 7 9 6 11  
 JDGMT: 3 DPHI: -143 -136 -128 -120 -111 -110 -104 -96 -88 -80 -72 -63 -55 -47 -38 -33 -24 -11 -5 3 11

82 10 2 15 AZ: 141 165 173 181 189 197 205 213 222 228 236 245 253 261 268 277 285 315 323 332 342 358 46  
 R = 1.0 KM; OBS: 0 0 4 7 12 1 0 0 5 12 23 2 10 23 17 44 35 100 121 171 246 285 404  
 JDGMT: 2 DPHI: -174 -151 -143 -134 -126 -119 -110 -103 -93 -87 -79 -70 -62 -55 -47 -38 -31 0 8 17 27 43 91

AZ: 94

OBS: 4  
DPHI: 138

82 10 2 15 AZ: 130 166 174 183 191 207 213 221 228 233 233 241 243 245 246 250 252 255 258 258 262 268 275  
R = 2.0 KM; OBS: 10 0 0 3 2 0 9 3 0 6 0 9 0 5 0 2 1 32 33 14 96 150  
JDGMT: 2 DPHI: -185 -149 -141 -133 -125 -108 -102 -94 -87 -82 -82 -74 -73 -70 -69 -66 -63 -60 -57 -57 -54 -47 -40

AZ: 285 309 317 325 333 343 349 3 66  
OBS: 134 121 154 178 201 321 298 408 86  
DPHI: -30 -6 2 10 18 27 34 47 111

82 10 2 15 AZ: 174 182 230 238 243 245 247 248 250 250 262 271 278 286 295 309 318 324 341 351  
R = 3.0 KM; OBS: 5 4 0 2 5 2 2 0 17 2 36 135 152 92 105 111 102 116 138 155  
JDGMT: 2 DPHI: -141 -133 -85 -77 -72 -70 -68 -68 -66 -65 -53 -45 -37 -30 -21 -6 2 9 25 36

82 10 2 15 AZ: 174 182 190 199 206 214 221 230 246 246 247 247 248 248 248 249 249 249 254 271 279 287  
R = 5.0 KM; OBS: 1 14 3 9 8 7 0 0 5 0 8 13 8 6 5 0 1 9 1 99 131 130  
JDGMT: 2 DPHI: -141 -133 -125 -117 -109 -102 -94 -85 -70 -69 -69 -68 -68 -67 -67 -66 -66 -66 -61 -45 -37 -29

AZ: 294 303 310 318 326 339 345  
OBS: 163 197 187 178 149 101 119  
DPHI: -21 -13 -6 3 11 23 30

82 10 2 15 AZ: 170 178 186 194 202 206 219 228 229 230 231 232 233 233 234 235 236 237 238 239 240 241 242  
R = 7.0 KM; OBS: 0 2 4 0 4 3 0 1 0 0 3 0 0 0 0 13 2 2 0 0 1 4  
JDGMT: 2 DPHI: -145 -137 -129 -121 -113 -109 -97 -87 -86 -85 -84 -83 -83 -82 -81 -80 -79 -78 -77 -76 -75 -74 -73

AZ: 243 244 245 245 245 245 246 247 248 249 250 251 252 260 268 270 277 285 292 300 308 316 324  
OBS: 4 4 8 2 1 0 0 0 0 1 0 4 0 12 63 97 116 124 117 108 109 150 124  
DPHI: -72 -71 -71 -70 -70 -70 -69 -68 -68 -67 -65 -64 -63 -56 -47 -45 -39 -31 -23 -15 -8 1 9

AZ: 331 341 346  
OBS: 118 96 110  
DPHI: 16 25 31

82 10 2 15 AZ: 182 190 199 206 212 225 230 238 248 254 262 270 278 286 294 302 310 318 326 334 344  
R = 15.0 KM; OBS: 0 0 2 8 1 8 7 6 0 23 110 86 72 59 25 36 23 0 13 15 15  
JDGMT: 3 DPHI: -133 -125 -116 -110 -103 -90 -86 -78 -67 -61 -53 -45 -37 -29 -22 -13 -5 3 10 19 28

82 10 2 16 AZ: 173 180 187 195 204 205 211 220 227 235 243 252 260 268 277 283 291 304 310 318 326  
R = 0.5 KM; OBS: 0 0 49 11 5 11 1 18 11 4 1 0 8 0 10 0 6 0 0 0 11  
JDGMT: 2 DPHI: -119 -112 -105 -97 -88 -87 -81 -72 -65 -57 -49 -40 -32 -24 -15 -9 -1 12 18 26 34

82 10 2 16 AZ: 141 165 173 181 189 197 205 213 222 228 236 245 253 261 268 277 285 315 323 332 342 358 46  
R = 1.0 KM; OBS: 4 6 0 6 17 6 0 0 4 0 3 6 0 0 4 11 7 0 20 9 16 14 37  
JDGMT: 2 DPHI: -151 -127 -119 -111 -103 -95 -87 -79 -70 -64 -56 -47 -39 -31 -24 -15 -7 23 31 40 50 66 114

AZ: 94  
OBS: 7  
DPHI: 162

82 10 2 16 AZ: 130 166 174 183 191 207 213 221 228 233 233 241 243 245 246 250 252 255 258 258 262 268 275

R = 2.0 KM; OBS: 0 0 0 6 13 0 7 19 4 11 15 3 0 0 12 10 6 15 12 1 0 0 0  
JDGMT: 2 DPHI: -162 -126 -118 -109 -101 -85 -79 -71 -64 -59 -59 -51 -49 -47 -46 -42 -40 -37 -34 -34 -30 -24 -17  
  
AZ: 285 309 317 325 333 343 349 3 66  
OBS: 22 13 3 15 0 0 24 24 23  
DPHI: -7 17 25 33 41 51 57 71 134  
  
82 10 2 16 AZ: 174 182 230 238 243 245 247 248 250 250 262 271 278 286 295 309 318 324 341 351  
R = 3.0 KM; OBS: 0 1 7 1 0 4 1 0 0 0 4 17 23 27 8 3 17 20 22 34  
JDGMT: 2 DPHI: -118 -110 -62 -54 -49 -47 -45 -44 -42 -42 -30 -21 -14 -6 3 17 26 32 49 59  
  
82 10 2 16 AZ: 174 182 190 199 206 214 221 230 246 246 247 247 248 248 248 249 249 249 249 254 271 279 287  
R = 5.0 KM; OBS: 0 0 1 10 2 0 0 4 0 4 8 16 6 3 12 0 9 8 11 13 11 22 18  
JDGMT: 2 DPHI: -118 -110 -102 -93 -86 -78 -71 -62 -46 -46 -45 -45 -44 -44 -44 -43 -43 -43 -43 -38 -21 -13 -5  
  
AZ: 294 303 310 318 326 339 345  
OBS: 24 48 59 52 40 49 57  
DPHI: 2 11 18 26 34 47 53  
  
82 10 2 16 AZ: 170 178 186 194 202 206 219 228 229 230 231 232 233 233 234 235 236 237 238 239 240 241 242  
R = 7.0 KM; OBS: 6 8 6 0 6 0 2 0 0 4 10 0 11 14 16 0 0 15 12 10 7 11 9  
JDGMT: 2 DPHI: -122 -114 -106 -98 -90 -86 -73 -64 -63 -62 -61 -60 -59 -59 -58 -57 -56 -55 -54 -53 -52 -51 -50  
  
AZ: 243 244 245 245 245 245 246 247 248 249 250 251 252 260 268 270 277 285 292 300 308 316 324  
OBS: 14 8 2 14 6 0 14 14 15 13 0 18 7 9 16 19 38 56 64 59 81 75 65  
DPHI: -49 -48 -47 -47 -47 -46 -45 -44 -43 -42 -41 -40 -32 -24 -22 -15 -7 0 8 16 24 32  
  
AZ: 331 341 346  
OBS: 59 106 94  
DPHI: 39 49 54  
  
82 10 2 16 AZ: 182 190 199 206 212 225 230 238 248 254 262 270 278 286 294 302 310 318 326 334 344  
R = 15.0 KM; OBS: 0 9 6 6 6 1 23 1 11 1 12 5 25 35 50 51 38 0 17 44 63  
JDGMT: 2 DPHI: -110 -102 -93 -86 -80 -67 -62 -54 -44 -38 -30 -22 -14 -6 2 10 18 26 34 42 52  
  
82 10 3 4 AZ: 1 54  
R = 0.5 KM; OBS: 61 56  
JDGMT: 0 DPHI: -38 15  
  
82 10 3 4 AZ: 59  
R = 3.0 KM; OBS: 42  
JDGMT: 0 DPHI: 20  
  
82 10 3 4 AZ: 254  
R = 5.0 KM; OBS: 0  
JDGMT: 0 DPHI: -145  
  
82 10 3 4 AZ:  
R = 7.0 KM; OBS: NO VALUES GREATER THAN OR EQUAL TO ZERO  
JDGMT: 0 DPHI:

|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |  |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|--|
| 82 10 3 4    | AZ:   | 350  | 354  | 358 | 2   | 6   | 10  | 14  | 19  | 22  | 26  | 31  | 34  | 39  | 43  | 47  | 51  | 55  | 59  | 63  | 74 | 79 | 84 | 86 |  |
| R = 10.0 KM; | OBS:  | 34   | 21   | 35  | 24  | 25  | 23  | 29  | 41  | 60  | 56  | 80  | 65  | 53  | 73  | 73  | 70  | 14  | 80  | 52  | 49 | 49 | 64 | 78 |  |
| JDGMT: 3     | DPHI: | -49  | -45  | -41 | -37 | -33 | -29 | -25 | -20 | -17 | -13 | -8  | -5  | 0   | 4   | 8   | 12  | 16  | 20  | 24  | 35 | 40 | 45 | 47 |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |  |
| 82 10 3 4    | AZ:   | 353  | 355  | 355 | 359 | 2   | 2   | 4   | 7   | 9   | 10  | 12  | 15  | 17  | 18  | 20  | 23  | 25  | 26  | 28  | 31 | 34 | 37 | 41 |  |
| R = 20.0 KM; | OBS:  | 14   | 11   | 6   | 16  | 16  | 19  | 15  | 22  | 25  | 26  | 27  | 38  | 38  | 46  | 47  | 44  | 72  | 61  | 81  | 77 | 82 | 86 | 93 |  |
| JDGMT: 3     | DPHI: | -46  | -44  | -44 | -40 | -37 | -37 | -35 | -32 | -30 | -29 | -27 | -24 | -22 | -21 | -18 | -16 | -14 | -13 | -11 | -8 | -5 | -2 | 2  |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |  |
|              | AZ:   | 42   | 45   | 47  | 50  | 50  | 52  | 55  | 57  | 59  | 61  | 62  | 65  | 66  | 69  | 70  | 72  | 74  | 77  | 78  |    |    |    |    |  |
|              | OBS:  | 105  | 88   | 73  | 92  | 89  | 65  | 61  | 35  | 20  | 38  | 37  | 36  | 37  | 47  | 39  | 40  | 64  | 51  | 53  |    |    |    |    |  |
|              | DPHI: | 3    | 6    | 8   | 11  | 11  | 13  | 16  | 18  | 20  | 22  | 23  | 26  | 27  | 30  | 31  | 33  | 35  | 38  | 39  |    |    |    |    |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |  |
| 82 10 3 4    | AZ:   | 349  | 350  | 352 | 354 | 356 | 359 | 1   | 2   | 6   | 9   | 11  | 12  | 15  | 23  | 31  | 32  | 34  | 35  | 38  | 41 | 42 | 44 | 47 |  |
| R = 30.0 KM; | OBS:  | 16   | 11   | 13  | 34  | 29  | 21  | 16  | 29  | 32  | 30  | 52  | 61  | 63  | 77  | 73  | 71  | 79  | 70  | 41  | 58 | 79 | 75 | 60 |  |
| JDGMT: 3     | DPHI: | -50  | -49  | -47 | -45 | -43 | -40 | -38 | -37 | -33 | -30 | -28 | -26 | -24 | -16 | -8  | -7  | -5  | -4  | -1  | 2  | 3  | 5  | 8  |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |  |
|              | AZ:   | 48   | 50   | 53  | 54  | 56  | 58  | 61  | 62  | 64  | 66  | 69  | 71  | 73  | 75  | 77  | 79  | 81  | 83  | 84  | 89 | 94 |    |    |  |
|              | OBS:  | 63   | 48   | 45  | 43  | 45  | 31  | 44  | 44  | 71  | 71  | 16  | 19  | 72  | 10  | 74  | 37  | 39  | 24  | 32  | 6  | 0  |    |    |  |
|              | DPHI: | 9    | 11   | 14  | 15  | 17  | 19  | 22  | 23  | 25  | 27  | 30  | 32  | 34  | 36  | 38  | 40  | 42  | 44  | 45  | 50 | 56 |    |    |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |  |
| 82 10 3 4    | AZ:   | 351  | 353  | 355 | 357 | 358 | 1   | 3   | 5   | 7   | 8   | 10  | 13  | 14  | 17  | 18  | 23  | 32  | 35  | 37  | 39 | 40 | 43 | 45 |  |
| R = 40.0 KM; | OBS:  | 16   | 25   | 29  | 32  | 42  | 37  | 53  | 38  | 35  | 31  | 29  | 26  | 33  | 18  | 24  | 16  | 27  | 47  | 33  | 22 | 34 | 39 | 55 |  |
| JDGMT: 3     | DPHI: | -48  | -46  | -44 | -42 | -41 | -38 | -36 | -34 | -32 | -31 | -29 | -26 | -25 | -22 | -21 | -16 | -7  | -4  | -2  | 0  | 1  | 4  | 6  |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |  |
|              | AZ:   | 47   | 48   | 52  | 54  | 56  | 58  | 61  | 63  | 64  | 67  | 68  | 71  | 72  | 75  | 77  | 79  | 81  | 83  | 84  | 86 | 90 | 95 |    |  |
|              | OBS:  | 14   | 60   | 67  | 65  | 23  | 25  | 20  | 14  | 16  | 13  | 11  | 0   | 1   | 0   | 9   | 3   | 10  | 0   | 1   | 0  | 10 | 7  |    |  |
|              | DPHI: | 8    | 9    | 13  | 15  | 17  | 19  | 22  | 24  | 26  | 28  | 29  | 32  | 33  | 36  | 38  | 40  | 42  | 44  | 45  | 47 | 51 | 56 |    |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |  |
| 82 10 3 4    | AZ:   | 350  | 354  | 357 | 3   | 6   | 9   | 16  | 19  | 23  | 25  | 31  | 34  | 40  | 43  | 46  | 50  | 55  | 58  | 62  | 66 | 71 | 79 | 83 |  |
| R = 50.0 KM; | OBS:  | 23   | 30   | 42  | 21  | 32  | 20  | 25  | 26  | 9   | 3   | 20  | 52  | 56  | 19  | 9   | 26  | 14  | 5   | 8   | 5  | 18 | 0  | 0  |  |
| JDGMT: 3     | DPHI: | -49  | -45  | -42 | -36 | -33 | -30 | -23 | -20 | -16 | -14 | -8  | -5  | 1   | 4   | 7   | 11  | 16  | 19  | 23  | 27 | 32 | 40 | 44 |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |  |
|              | AZ:   | 87   | 90   | 94  | 99  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |  |
|              | OBS:  | 13   | 0    | 0   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |  |
|              | DPHI: | 48   | 51   | 55  | 60  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |  |
| 82 10 3 5    | AZ:   | 1    | 54   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |  |
| R = 0.5 KM;  | OBS:  | 55   | 41   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |  |
| JDGMT: 0     | DPHI: | -36  | 17   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |  |
| 82 10 3 5    | AZ:   | 59   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |  |
| R = 3.0 KM;  | OBS:  | 57   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |  |
| JDGMT: 0     | DPHI: | 21   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |  |
| 82 10 3 5    | AZ:   | 226  | 254  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |  |
| R = 5.0 KM;  | OBS:  | 52   | 15   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |  |
| JDGMT: 0     | DPHI: | -171 | -143 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |  |
| 82 10 3 5    | AZ:   | 249  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |  |
| R = 7.0 KM;  | OBS:  | 9    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |  |
| JDGMT: 0     | DPHI: | -148 |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |  |



|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
|--------------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|
| 82 10 3 5    | AZ:   | 245  | 350 | 354 | 358 | 2   | 6   | 10  | 14  | 19  | 22  | 26  | 31  | 34  | 39  | 43  | 47  | 51  | 55  | 59 | 66 | 71 | 74 | 79 |
| R = 10.0 KM; | OBS:  | 15   | 11  | 25  | 26  | 5   | 4   | 20  | 39  | 48  | 60  | 115 | 89  | 84  | 66  | 73  | 87  | 58  | 58  | 70 | 4  | 39 | 55 | 90 |
| JDGMT: 3     | DPHI: | -152 | -47 | -44 | -39 | -35 | -32 | -27 | -23 | -19 | -15 | -11 | -7  | -3  | 2   | 5   | 9   | 14  | 17  | 22 | 28 | 33 | 37 | 42 |
|              | AZ:   | 84   | 86  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
|              | OBS:  | 64   | 62  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
|              | DPHI: | 46   | 48  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| 82 10 3 5    | AZ:   | 353  | 355 | 355 | 359 | 2   | 2   | 4   | 7   | 9   | 10  | 12  | 15  | 17  | 18  | 20  | 23  | 25  | 26  | 28 | 31 | 34 | 35 | 37 |
| R = 20.0 KM; | OBS:  | 10   | 12  | 11  | 3   | 19  | 7   | 20  | 26  | 24  | 26  | 36  | 0   | 46  | 73  | 48  | 48  | 59  | 71  | 71 | 84 | 82 | 82 | 92 |
| JDGMT: 3     | DPHI: | -44  | -42 | -42 | -38 | -36 | -35 | -33 | -30 | -29 | -27 | -25 | -22 | -20 | -19 | -17 | -15 | -13 | -11 | -9 | -7 | -4 | -3 | -1 |
|              | AZ:   | 38   | 41  | 42  | 45  | 47  | 50  | 50  | 52  | 57  | 59  | 61  | 62  | 65  | 66  | 69  | 70  | 72  | 74  | 77 | 78 | 81 | 83 | 84 |
|              | OBS:  | 95   | 87  | 88  | 56  | 72  | 82  | 74  | 63  | 26  | 26  | 21  | 32  | 28  | 63  | 52  | 41  | 59  | 43  | 49 | 53 | 28 | 31 | 39 |
|              | DPHI: | 1    | 4   | 5   | 8   | 10  | 13  | 13  | 15  | 20  | 22  | 23  | 25  | 28  | 29  | 32  | 32  | 35  | 37  | 40 | 41 | 43 | 45 | 47 |
| 82 10 3 5    | AZ:   | 349  | 350 | 352 | 354 | 356 | 359 | 1   | 2   | 3   | 6   | 9   | 11  | 12  | 15  | 18  | 20  | 23  | 24  | 31 | 32 | 34 | 35 | 38 |
| R = 30.0 KM; | OBS:  | 14   | 1   | 15  | 24  | 4   | 28  | 25  | 14  | 35  | 52  | 49  | 59  | 52  | 55  | 75  | 54  | 64  | 68  | 53 | 64 | 81 | 69 | 44 |
| JDGMT: 2     | DPHI: | -49  | -47 | -45 | -43 | -41 | -38 | -36 | -35 | -35 | -31 | -29 | -26 | -25 | -22 | -19 | -17 | -15 | -13 | -7 | -5 | -4 | -2 | 1  |
|              | AZ:   | 41   | 42  | 44  | 47  | 48  | 50  | 53  | 54  | 56  | 58  | 61  | 62  | 64  | 66  | 69  | 71  | 73  | 75  | 77 | 79 | 81 | 83 | 84 |
|              | OBS:  | 54   | 74  | 76  | 57  | 39  | 42  | 39  | 36  | 33  | 21  | 37  | 44  | 41  | 13  | 24  | 21  | 84  | 11  | 68 | 44 | 33 | 23 | 22 |
|              | DPHI: | 3    | 5   | 7   | 10  | 11  | 13  | 16  | 17  | 19  | 21  | 23  | 25  | 27  | 29  | 31  | 33  | 35  | 38  | 39 | 41 | 43 | 45 | 47 |
|              | AZ:   | 89   | 94  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
|              | OBS:  | 0    | 2   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
|              | DPHI: | 52   | 57  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| 82 10 3 5    | AZ:   | 351  | 353 | 355 | 357 | 358 | 1   | 3   | 5   | 7   | 8   | 10  | 13  | 14  | 17  | 18  | 23  | 32  | 35  | 37 | 39 | 40 | 43 | 45 |
| R = 40.0 KM; | OBS:  | 19   | 28  | 25  | 26  | 37  | 22  | 26  | 37  | 36  | 29  | 26  | 35  | 35  | 0   | 25  | 16  | 34  | 27  | 33 | 25 | 23 | 36 | 49 |
| JDGMT: 3     | DPHI: | -47  | -45 | -43 | -41 | -39 | -36 | -35 | -33 | -30 | -29 | -27 | -24 | -23 | -20 | -20 | -15 | -6  | -2  | 0  | 2  | 3  | 6  | 7  |
|              | AZ:   | 47   | 48  | 52  | 54  | 56  | 58  | 61  | 63  | 64  | 67  | 68  | 71  | 72  | 75  | 77  | 79  | 81  | 83  | 84 | 86 | 90 | 95 |    |
|              | OBS:  | 50   | 45  | 62  | 61  | 20  | 27  | 5   | 19  | 30  | 27  | 5   | 8   | 4   | 0   | 0   | 6   | 16  | 0   | 12 | 0  | 0  | 0  |    |
|              | DPHI: | 10   | 11  | 15  | 17  | 19  | 21  | 24  | 25  | 27  | 29  | 31  | 33  | 35  | 38  | 39  | 42  | 44  | 45  | 47 | 49 | 53 | 58 |    |
| 82 10 3 5    | AZ:   | 350  | 354 | 357 | 3   | 6   | 9   | 16  | 19  | 23  | 25  | 31  | 34  | 40  | 43  | 46  | 50  | 55  | 58  | 62 | 66 | 71 | 79 | 83 |
| R = 50.0 KM; | OBS:  | 18   | 27  | 29  | 23  | 22  | 25  | 13  | 28  | 14  | 11  | 23  | 50  | 18  | 15  | 11  | 27  | 1   | 14  | 0  | 2  | 19 | 3  | 0  |
| JDGMT: 3     | DPHI: | -47  | -43 | -40 | -34 | -31 | -28 | -21 | -19 | -15 | -12 | -7  | -3  | 2   | 5   | 8   | 13  | 17  | 21  | 25 | 29 | 34 | 41 | 45 |
|              | AZ:   | 87   | 90  | 94  | 99  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
|              | OBS:  | 5    | 4   | 7   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
|              | DPHI: | 50   | 53  | 57  | 62  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| 82 10 3 6    | AZ:   | 1    | 54  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| R = 0.5 KM;  | OBS:  | 72   | 65  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| JDGMT: 0     | DPHI: | -35  | 18  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| 82 10 3 6    | AZ:   | 59   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| R = 3.0 KM;  | OBS:  | 64   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| JDGMT: 0     | DPHI: | 23   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |

82 10 3 6 AZ: 226 254  
R = 5.0 KM; OBS: 72 39  
JDGMT: 0 DPHI: -169 -142

82 10 3 6 AZ: 249  
R = 7.0 KM; OBS: 12  
JDGMT: 0 DPHI: -147

82 10 3 6 AZ: 245 350 354 358 2 6 10 14 19 22 26 31 34 39 43 47 51 55 59 63 66 71 74  
R = 10.0 KM; OBS: 10 28 25 15 29 33 54 47 71 62 83 87 98 84 93 73 75 48 66 60 6 45 43  
JDGMT: 3 DPHI: -150 -46 -42 -37 -33 -30 -26 -22 -17 -14 -9 -5 -2 4 7 11 15 19 23 27 30 35 39

AZ: 79 84 86  
OBS: 53 43 62  
DPHI: 43 48 50

82 10 3 6 AZ: 353 355 355 359 2 2 4 7 9 10 12 15 17 18 20 23 25 26 28 31 34 35 37  
R = 20.0 KM; OBS: 1 7 0 15 28 17 17 23 21 29 41 36 69 52 52 65 47 49 68 83 80 96 86  
JDGMT: 3 DPHI: -42 -41 -40 -36 -34 -34 -32 -29 -27 -26 -23 -20 -19 -17 -15 -13 -11 -9 -7 -5 -2 -1 1

AZ: 38 41 42 45 47 50 50 52 55 57 59 61 62 65 66 69 70 72 74 77 78 81 83  
OBS: 99 68 94 69 62 78 78 80 60 37 10 22 24 33 39 50 60 68 54 52 52 20 10  
DPHI: 2 5 7 10 11 14 14 16 19 22 23 25 26 29 30 34 34 37 39 41 43 45 47

AZ: 84  
OBS: 33  
DPHI: 49

82 10 3 6 AZ: 349 350 352 354 356 359 1 2 3 6 9 11 12 15 18 20 23 24 31 32 34 35 38  
R = 30.0 KM; OBS: 0 13 15 16 18 5 27 36 8 28 29 29 60 53 59 51 34 49 32 58 63 46 32  
JDGMT: 3 DPHI: -47 -46 -43 -42 -39 -37 -35 -34 -33 -29 -27 -25 -23 -21 -18 -16 -13 -12 -5 -4 -2 -1 2

AZ: 41 42 44 47 48 50 53 54 56 58 61 62 64 66 69 71 73 75 77 79 81 83 84  
OBS: 62 73 49 61 53 47 49 44 33 21 37 50 55 62 15 12 67 6 64 37 55 7 15  
DPHI: 5 7 8 11 13 14 17 18 20 23 25 27 29 31 33 35 37 39 41 43 45 47 49

AZ: 89 94  
OBS: 0 2  
DPHI: 53 59

82 10 3 6 AZ: 351 353 355 357 358 1 3 5 7 8 10 13 14 17 18 23 32 35 37 39 40 43 45  
R = 40.0 KM; OBS: 24 14 37 36 36 31 26 28 10 23 33 43 30 23 31 5 30 26 49 19 40 36 47  
JDGMT: 3 DPHI: -45 -43 -41 -39 -37 -34 -33 -31 -29 -27 -26 -23 -22 -19 -18 -13 -4 0 1 3 5 8 9

AZ: 47 48 52 54 56 58 61 63 64 67 68 71 72 75 77 79 81 83 84 86 90 95  
OBS: 46 43 37 48 20 19 29 8 29 13 1 0 5 2 2 6 7 0 15 0 0 0  
DPHI: 11 13 16 19 20 22 25 27 29 31 33 35 37 39 41 44 45 47 49 51 55 59

82 10 3 6 AZ: 350 354 357 3 6 9 16 19 23 25 31 34 40 43 46 50 55 58 62 66 71 79 83  
R = 50.0 KM; OBS: 39 40 27 42 24 27 17 19 16 8 8 48 21 20 13 3 3 42 9 8 7 0 0  
JDGMT: 3 DPHI: -46 -41 -39 -33 -29 -26 -20 -17 -13 -11 -5 -1 4 7 10 14 19 22 27 30 35 43 47

AZ: 87 90 94 99  
OBS: 1 1 1 5  
DPHI: 51 55 59 63

82 10 3 7 AZ: 1 54  
R = 0.5 KM; OBS: 52 54  
JDGMT: 0 DPHI: -33 20

82 10 3 7 AZ: 59  
R = 3.0 KM; OBS: 71  
JDGMT: 0 DPHI: 25

82 10 3 7 AZ: 226 254  
R = 5.0 KM; OBS: 61 50  
JDGMT: 0 DPHI: -168 -140

82 10 3 7 AZ: 249  
R = 7.0 KM; OBS: 24  
JDGMT: 0 DPHI: -145

82 10 3 7 AZ: 245 350 354 358 2 6 10 14 19 22 26 31 34 39 43 47 51 55 59 63 66 71 74  
R = 10.0 KM; OBS: 29 36 31 46 40 50 38 49 58 65 56 79 76 76 81 72 71 62 70 54 25 54 43  
JDGMT: 3 DPHI: -149 -44 -40 -36 -32 -29 -24 -20 -16 -12 -8 -3 0 5 8 13 17 20 25 29 32 37 40

AZ: 79 84 86  
OBS: 42 47 57  
DPHI: 45 50 52

82 10 3 7 AZ: 353 355 355 359 2 2 4 7 9 10 12 15 17 18 20 23 25 26 28 31 34 35 37  
R = 20.0 KM; OBS: 7 11 5 15 21 20 14 25 20 16 37 112 54 24 49 50 57 48 0 79 69 81 74  
JDGMT: 3 DPHI: -41 -39 -39 -35 -33 -32 -30 -27 -26 -24 -22 -19 -17 -16 -14 -12 -10 -8 -6 -3 0 1 3

AZ: 38 41 42 45 47 50 50 52 55 57 59 61 62 65 66 69 70 72 74 77 78 81 83  
OBS: 81 72 78 72 72 54 60 49 46 37 34 27 14 30 28 48 54 43 49 44 59 17 27  
DPHI: 4 7 8 11 13 16 16 18 20 23 25 26 28 31 32 35 36 38 40 43 44 47 49

AZ: 84  
OBS: 29  
DPHI: 50

82 10 3 7 AZ: 349 350 352 354 356 359 1 2 3 6 9 11 12 15 18 20 23 24 31 32 34 35 38  
R = 30.0 KM; OBS: 10 57 10 15 23 30 20 25 31 27 30 31 40 34 47 41 40 49 29 35 40 33 25  
JDGMT: 2 DPHI: -45 -44 -42 -40 -38 -35 -33 -32 -31 -28 -25 -23 -22 -19 -16 -14 -11 -10 -3 -2 0 1 4

AZ: 41 42 44 47 48 50 53 54 56 58 61 62 64 66 69 71 73 75 77 79 81 83 84  
OBS: 33 52 55 54 54 39 38 35 32 22 20 29 29 55 15 16 77 11 45 36 33 14 16  
DPHI: 7 8 10 13 14 16 19 20 22 24 27 28 30 32 34 37 39 41 43 45 47 49 50

AZ: 89 94  
OBS: 0 0  
DPHI: 55 60

|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|
| 82 10 3 7    | AZ:   | 351  | 353  | 355 | 357 | 358 | 1   | 3   | 5   | 7   | 8   | 10  | 14  | 17  | 18  | 23  | 32  | 35  | 37 | 39 | 40 | 43 | 45 | 47 |
| R = 40.0 KM; | OBS:  | 17   | 21   | 23  | 27  | 29  | 26  | 24  | 28  | 26  | 15  | 15  | 37  | 27  | 18  | 17  | 28  | 28  | 27 | 21 | 21 | 21 | 38 | 28 |
| JDGMT: 3     | DPHI: | -43  | -41  | -39 | -37 | -36 | -33 | -31 | -29 | -27 | -26 | -24 | -20 | -17 | -16 | -11 | -2  | 1   | 3  | 5  | 6  | 9  | 11 | 13 |
|              | AZ:   | 48   | 52   | 54  | 56  | 58  | 61  | 63  | 64  | 67  | 68  | 71  | 72  | 75  | 77  | 79  | 81  | 83  | 84 | 86 | 90 | 95 |    |    |
|              | OBS:  | 19   | 24   | 32  | 17  | 20  | 24  | 17  | 25  | 12  | 7   | 5   | 1   | 0   | 0   | 0   | 12  | 0   | 0  | 4  | 0  | 0  |    |    |
|              | DPHI: | 14   | 18   | 20  | 22  | 24  | 27  | 28  | 30  | 33  | 34  | 36  | 38  | 41  | 43  | 45  | 47  | 49  | 50 | 52 | 56 | 61 |    |    |
| 82 10 3 7    | AZ:   | 350  | 354  | 357 | 3   | 6   | 9   | 16  | 19  | 23  | 25  | 31  | 34  | 40  | 43  | 46  | 50  | 55  | 58 | 62 | 66 | 71 | 79 | 83 |
| R = 50.0 KM; | OBS:  | 18   | 32   | 21  | 26  | 24  | 23  | 21  | 16  | 12  | 10  | 19  | 40  | 25  | 22  | 2   | 11  | 0   | 21 | 8  | 19 | 7  | 0  | 0  |
| JDGMT: 3     | DPHI: | -44  | -40  | -37 | -31 | -28 | -25 | -18 | -15 | -11 | -9  | -3  | 0   | 6   | 9   | 12  | 16  | 21  | 24 | 28 | 32 | 37 | 45 | 49 |
|              | AZ:   | 87   | 90   | 94  | 99  |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |
|              | OBS:  | 0    | 6    | 1   | 1   |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |
|              | DPHI: | 53   | 56   | 60  | 65  |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |
| 82 10 3 8    | AZ:   | 1    | 54   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |
| R = 0.5 KM;  | OBS:  | 64   | 48   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |
| JDGMT: 0     | DPHI: | -33  | 19   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |
| 82 10 3 8    | AZ:   | 59   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |
| R = 3.0 KM;  | OBS:  | 64   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |
| JDGMT: 0     | DPHI: | 24   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |
| 82 10 3 8    | AZ:   | 226  | 254  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |
| R = 5.0 KM;  | OBS:  | 62   | 33   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |
| JDGMT: 0     | DPHI: | -168 | -141 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |
| 82 10 3 8    | AZ:   | 249  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |
| R = 7.0 KM;  | OBS:  | 21   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |
| JDGMT: 0     | DPHI: | -146 |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |
| 82 10 3 8    | AZ:   | 245  | 350  | 354 | 358 | 2   | 6   | 10  | 14  | 19  | 22  | 26  | 31  | 34  | 39  | 43  | 47  | 51  | 55 | 59 | 63 | 66 | 71 | 74 |
| R = 10.0 KM; | OBS:  | 41   | 35   | 36  | 45  | 18  | 39  | 37  | 48  | 50  | 67  | 61  | 23  | 69  | 75  | 72  | 72  | 73  | 49 | 52 | 61 | 34 | 75 | 54 |
| JDGMT: 3     | DPHI: | -149 | -44  | -41 | -36 | -32 | -29 | -25 | -20 | -16 | -13 | -8  | -4  | -1  | 5   | 8   | 12  | 16  | 20 | 24 | 28 | 31 | 36 | 40 |
|              | AZ:   | 79   | 84   | 86  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |
|              | OBS:  | 47   | 56   | 60  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |
|              | DPHI: | 44   | 49   | 51  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |
| 82 10 3 8    | AZ:   | 353  | 355  | 355 | 359 | 2   | 2   | 4   | 7   | 9   | 10  | 12  | 15  | 17  | 18  | 20  | 23  | 25  | 26 | 28 | 31 | 34 | 35 | 37 |
| R = 20.0 KM; | OBS:  | 11   | 2    | 9   | 10  | 15  | 16  | 21  | 18  | 27  | 46  | 89  | 59  | 49  | 87  | 53  | 56  | 29  | 52 | 57 | 58 | 66 | 70 | 76 |
| JDGMT: 2     | DPHI: | -41  | -40  | -39 | -35 | -33 | -33 | -30 | -27 | -26 | -25 | -22 | -19 | -17 | -16 | -14 | -12 | -10 | -8 | -6 | -4 | -1 | 0  | 2  |
|              | AZ:   | 38   | 41   | 42  | 45  | 47  | 50  | 50  | 52  | 55  | 57  | 59  | 61  | 62  | 65  | 66  | 69  | 70  | 72 | 74 | 77 | 78 | 81 | 83 |
|              | OBS:  | 75   | 53   | 72  | 59  | 52  | 56  | 24  | 48  | 42  | 45  | 22  | 24  | 22  | 20  | 25  | 44  | 45  | 55 | 43 | 34 | 49 | 18 | 24 |
|              | DPHI: | 3    | 7    | 8   | 11  | 12  | 15  | 16  | 17  | 20  | 23  | 25  | 26  | 28  | 30  | 32  | 35  | 35  | 38 | 40 | 42 | 44 | 46 | 48 |
|              | AZ:   | 84   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |
|              | OBS:  | 33   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |
|              | DPHI: | 50   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |

|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|
| 82 10 3 8    | AZ:   | 349  | 350  | 352 | 354 | 356 | 359 | 1   | 2   | 3   | 6   | 9   | 11  | 12  | 15  | 18  | 20  | 23  | 24  | 31 | 32 | 34 | 35 | 38 |
| R = 30.0 KM; | OBS:  | 16   | 16   | 15  | 26  | 24  | 18  | 21  | 24  | 19  | 29  | 33  | 37  | 40  | 28  | 27  | 39  | 27  | 32  | 15 | 21 | 30 | 48 | 37 |
| JDGMT: 3     | DPHI: | -46  | -44  | -42 | -41 | -38 | -35 | -34 | -32 | -32 | -28 | -26 | -24 | -22 | -20 | -17 | -14 | -12 | -10 | -4 | -2 | -1 | 0  | 4  |
|              | AZ:   | 41   | 42   | 44  | 47  | 48  | 50  | 53  | 54  | 56  | 58  | 61  | 62  | 64  | 66  | 69  | 71  | 73  | 75  | 77 | 79 | 81 | 83 | 84 |
|              | OBS:  | 32   | 46   | 44  | 48  | 39  | 41  | 39  | 35  | 26  | 18  | 19  | 18  | 39  | 44  | 26  | 21  | 46  | 1   | 48 | 41 | 36 | 16 | 5  |
|              | DPHI: | 6    | 8    | 10  | 12  | 14  | 16  | 18  | 20  | 21  | 24  | 26  | 28  | 30  | 32  | 34  | 36  | 38  | 40  | 42 | 44 | 46 | 48 | 50 |
|              | AZ:   | 89   | 94   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
|              | OBS:  | 0    | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
|              | DPHI: | 54   | 60   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| 82 10 3 8    | AZ:   | 351  | 353  | 355 | 357 | 358 | 1   | 3   | 5   | 7   | 8   | 10  | 13  | 14  | 17  | 18  | 23  | 32  | 35  | 37 | 39 | 40 | 43 | 45 |
| R = 40.0 KM; | OBS:  | 13   | 22   | 26  | 30  | 28  | 4   | 27  | 24  | 26  | 14  | 19  | 4   | 34  | 24  | 12  | 8   | 26  | 26  | 25 | 12 | 18 | 20 | 33 |
| JDGMT: 2     | DPHI: | -44  | -42  | -40 | -38 | -36 | -33 | -32 | -30 | -28 | -26 | -24 | -21 | -20 | -18 | -17 | -12 | -3  | 1   | 3  | 4  | 6  | 9  | 10 |
|              | AZ:   | 47   | 48   | 52  | 54  | 56  | 58  | 61  | 63  | 64  | 67  | 68  | 71  | 72  | 75  | 77  | 79  | 81  | 83  | 84 | 86 | 90 | 95 |    |
|              | OBS:  | 41   | 26   | 33  | 25  | 20  | 21  | 21  | 10  | 42  | 10  | 16  | 11  | 7   | 0   | 0   | 0   | 3   | 0   | 7  | 0  | 12 | 18 |    |
|              | DPHI: | 12   | 14   | 18  | 20  | 22  | 23  | 26  | 28  | 30  | 32  | 34  | 36  | 38  | 40  | 42  | 45  | 46  | 48  | 50 | 52 | 56 | 60 |    |
| 82 10 3 8    | AZ:   | 350  | 354  | 357 | 3   | 6   | 9   | 16  | 19  | 23  | 25  | 31  | 34  | 40  | 43  | 46  | 50  | 55  | 58  | 62 | 66 | 71 | 79 | 83 |
| R = 50.0 KM; | OBS:  | 23   | 22   | 7   | 19  | 25  | 25  | 14  | 9   | 15  | 1   | 16  | 26  | 23  | 35  | 7   | 13  | 0   | 17  | 2  | 1  | 0  | 0  | 1  |
| JDGMT: 3     | DPHI: | -44  | -40  | -38 | -31 | -28 | -25 | -18 | -16 | -12 | -10 | -4  | 0   | 5   | 8   | 11  | 16  | 20  | 24  | 28 | 32 | 36 | 44 | 48 |
|              | AZ:   | 87   | 90   | 94  | 99  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
|              | OBS:  | 1    | 4    | 2   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
|              | DPHI: | 52   | 56   | 60  | 64  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| 82 10 3 9    | AZ:   | 1    | 54   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| R = 0.5 KM;  | OBS:  | 80   | 72   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| JDGMT: 0     | DPHI: | -33  | 19   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| 82 10 3 9    | AZ:   | 59   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| R = 3.0 KM;  | OBS:  | 59   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| JDGMT: 0     | DPHI: | 24   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| 82 10 3 9    | AZ:   | 226  | 254  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| R = 5.0 KM;  | OBS:  | 29   | 51   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| JDGMT: 0     | DPHI: | -168 | -140 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| 82 10 3 9    | AZ:   | 249  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| R = 7.0 KM;  | OBS:  | 49   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| JDGMT: 0     | DPHI: | -146 |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| 82 10 3 9    | AZ:   | 245  | 350  | 354 | 358 | 2   | 6   | 10  | 14  | 19  | 22  | 26  | 31  | 34  | 39  | 43  | 47  | 51  | 55  | 59 | 63 | 66 | 71 | 74 |
| R = 10.0 KM; | OBS:  | 44   | 29   | 40  | 39  | 17  | 16  | 58  | 52  | 59  | 61  | 54  | 53  | 68  | 85  | 77  | 72  | 64  | 54  | 54 | 66 | 39 | 47 | 47 |
| JDGMT: 3     | DPHI: | -149 | -44  | -41 | -36 | -32 | -29 | -25 | -20 | -16 | -13 | -8  | -4  | -1  | 5   | 8   | 12  | 16  | 20  | 24 | 28 | 31 | 36 | 40 |
|              | AZ:   | 79   | 84   | 86  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
|              | OBS:  | 41   | 42   | 57  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
|              | DPHI: | 45   | 49   | 51  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |

|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|--|
| 82 10 3 9    | AZ:   | 353  | 355  | 355 | 359 | 2   | 2   | 4   | 7   | 9   | 10  | 12  | 15  | 17  | 18  | 20  | 23  | 25  | 26  | 28 | 31 | 34 | 35 | 37 |  |
| R = 20.0 KM; | OBS:  | 2    | 5    | 2   | 22  | 16  | 10  | 19  | 3   | 19  | 26  | 42  | 47  | 121 | 69  | 65  | 57  | 37  | 34  | 35 | 45 | 49 | 51 | 38 |  |
| JDGMT: 3     | DPHI: | -41  | -40  | -39 | -35 | -33 | -32 | -30 | -27 | -26 | -25 | -22 | -19 | -17 | -16 | -14 | -12 | -10 | -8  | -6 | -4 | -1 | 0  | 2  |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
|              | AZ:   | 38   | 41   | 42  | 45  | 47  | 50  | 50  | 52  | 55  | 57  | 59  | 61  | 62  | 65  | 66  | 69  | 70  | 72  | 74 | 77 | 78 | 81 | 83 |  |
|              | OBS:  | 16   | 34   | 47  | 58  | 65  | 69  | 64  | 53  | 35  | 39  | 12  | 26  | 25  | 24  | 42  | 54  | 14  | 66  | 61 | 34 | 51 | 12 | 17 |  |
|              | DPHI: | 3    | 7    | 8   | 11  | 12  | 15  | 16  | 18  | 20  | 23  | 25  | 26  | 28  | 30  | 32  | 35  | 35  | 38  | 40 | 42 | 44 | 46 | 48 |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
|              | AZ:   | 84   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
|              | OBS:  | 44   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
|              | DPHI: | 50   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
| 82 10 3 9    | AZ:   | 349  | 350  | 352 | 354 | 356 | 359 | 1   | 2   | 3   | 6   | 9   | 11  | 12  | 15  | 18  | 20  | 23  | 24  | 31 | 32 | 34 | 35 | 38 |  |
| R = 30.0 KM; | OBS:  | 0    | 12   | 10  | 20  | 0   | 0   | 28  | 8   | 21  | 21  | 25  | 29  | 37  | 26  | 18  | 12  | 10  | 27  | 15 | 5  | 15 | 27 | 23 |  |
| JDGMT: 2     | DPHI: | -46  | -44  | -42 | -41 | -38 | -35 | -34 | -32 | -32 | -28 | -26 | -24 | -22 | -20 | -16 | -14 | -12 | -10 | -4 | -2 | -1 | 0  | 4  |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
|              | AZ:   | 41   | 42   | 44  | 47  | 48  | 50  | 53  | 54  | 56  | 58  | 61  | 62  | 64  | 66  | 69  | 71  | 73  | 75  | 77 | 79 | 81 | 83 | 84 |  |
|              | OBS:  | 63   | 37   | 21  | 50  | 39  | 58  | 46  | 64  | 25  | 21  | 18  | 22  | 25  | 43  | 13  | 10  | 67  | 11  | 65 | 35 | 18 | 14 | 4  |  |
|              | DPHI: | 6    | 8    | 10  | 12  | 14  | 16  | 18  | 20  | 22  | 24  | 26  | 28  | 30  | 32  | 34  | 36  | 38  | 40  | 42 | 44 | 46 | 48 | 50 |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
|              | AZ:   | 89   | 94   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
|              | OBS:  | 1    | 2    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
|              | DPHI: | 54   | 60   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
| 82 10 3 9    | AZ:   | 351  | 353  | 355 | 357 | 358 | 1   | 3   | 5   | 7   | 8   | 10  | 13  | 14  | 17  | 18  | 23  | 32  | 35  | 37 | 39 | 40 | 43 | 45 |  |
| R = 40.0 KM; | OBS:  | 22   | 36   | 42  | 19  | 34  | 19  | 36  | 18  | 21  | 22  | 15  | 29  | 22  | 17  | 28  | 9   | 17  | 17  | 17 | 16 | 8  | 59 | 16 |  |
| JDGMT: 3     | DPHI: | -44  | -42  | -40 | -38 | -36 | -33 | -32 | -30 | -28 | -26 | -24 | -21 | -20 | -18 | -17 | -12 | -3  | 1   | 3  | 4  | 6  | 9  | 10 |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
|              | AZ:   | 47   | 48   | 52  | 54  | 56  | 58  | 61  | 63  | 64  | 67  | 68  | 71  | 72  | 75  | 77  | 79  | 81  | 83  | 84 | 86 | 90 | 95 |    |  |
|              | OBS:  | 7    | 10   | 17  | 29  | 9   | 8   | 22  | 19  | 27  | 12  | 26  | 0   | 0   | 2   | 3   | 0   | 0   | 0   | 0  | 0  | 13 | 2  |    |  |
|              | DPHI: | 12   | 14   | 18  | 20  | 22  | 23  | 26  | 28  | 30  | 32  | 34  | 36  | 38  | 40  | 42  | 45  | 46  | 48  | 50 | 52 | 56 | 60 |    |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
| 82 10 3 9    | AZ:   | 350  | 354  | 357 | 3   | 6   | 9   | 16  | 19  | 23  | 25  | 31  | 34  | 40  | 43  | 46  | 50  | 55  | 58  | 62 | 66 | 71 | 79 | 83 |  |
| R = 50.0 KM; | OBS:  | 12   | 22   | 21  | 9   | 37  | 28  | 8   | 8   | 4   | 10  | 4   | 11  | 3   | 24  | 12  | 4   | 0   | 5   | 2  | 1  | 1  | 3  | 0  |  |
| JDGMT: 2     | DPHI: | -44  | -40  | -37 | -31 | -28 | -25 | -18 | -16 | -12 | -9  | -4  | 0   | 5   | 8   | 11  | 16  | 20  | 24  | 28 | 32 | 36 | 44 | 48 |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
|              | AZ:   | 87   | 90   | 94  | 99  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
|              | OBS:  | 0    | 8    | 4   | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
|              | DPHI: | 52   | 56   | 60  | 64  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
| 82 10 3 10   | AZ:   | 1    | 54   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
| R = 0.5 KM;  | OBS:  | 54   | 49   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
| JDGMT: 0     | DPHI: | -30  | 23   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
| 82 10 3 10   | AZ:   | 59   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
| R = 3.0 KM;  | OBS:  | 65   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
| JDGMT: 0     | DPHI: | 28   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
| 82 10 3 10   | AZ:   | 226  | 254  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
| R = 5.0 KM;  | OBS:  | 62   | 50   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |
| JDGMT: 0     | DPHI: | -164 | -137 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |

82 10 3 10 AZ: 249  
 R = 7.0 KM; OBS: 53  
 JDGMT: 0 DPHI: -142

82 10 3 10 AZ: 245 350 354 358 2 6 10 14 19 22 26 31 34 39 43 47 51 55 59 63 66 71 74  
 R = 10.0 KM; OBS: 60 26 31 17 35 39 55 52 48 53 58 48 53 61 47 57 46 42 57 41 37 57 13  
 JDGMT: 2 DPHI: -145 -41 -37 -32 -28 -25 -21 -17 -12 -9 -4 0 3 9 12 16 20 24 28 32 35 40 44

AZ: 79 84 86  
 OBS: 38 41 68  
 DPHI: 48 53 55

82 10 3 10 AZ: 353 355 355 359 2 2 4 7 9 10 12 15 17 18 20 23 25 26 28 31 34 35 37  
 R = 20.0 KM; OBS: 7 1 1 10 18 25 31 21 33 29 41 31 41 47 48 38 34 17 31 45 41 39 41  
 JDGMT: 3 DPHI: -37 -36 -35 -31 -29 -29 -27 -24 -22 -21 -18 -15 -14 -12 -10 -8 -6 -4 -2 0 3 4 6

AZ: 38 41 42 45 47 50 50 52 55 57 59 61 62 65 66 69 70 72 74 77 78 81 83  
 OBS: 36 27 38 44 46 45 47 40 35 29 22 33 30 33 29 35 30 48 39 16 36 20 32  
 DPHI: 7 10 12 15 16 19 19 21 24 27 28 30 31 34 35 39 39 42 44 46 48 50 52

AZ: 84  
 OBS: 30  
 DPHI: 54

82 10 3 10 AZ: 349 350 352 354 356 359 1 2 3 6 9 11 12 15 18 20 23 24 31 32 34 35 38  
 R = 30.0 KM; OBS: 37 11 15 16 18 15 22 21 7 24 22 29 24 17 26 28 28 34 0 14 16 19 15  
 JDGMT: 2 DPHI: -42 -41 -38 -37 -34 -32 -30 -29 -28 -24 -22 -20 -18 -16 -13 -11 -8 -7 0 1 3 4 7

AZ: 41 42 44 47 48 50 53 54 56 58 61 62 64 66 69 71 73 75 77 79 81 83 84  
 OBS: 23 24 28 29 32 34 12 38 26 10 19 17 22 29 18 16 53 12 29 20 13 7 12  
 DPHI: 10 12 13 16 18 19 22 23 25 28 30 32 34 35 38 40 42 44 46 48 50 52 54

AZ: 89 94  
 OBS: 6 1  
 DPHI: 58 64

82 10 3 10 AZ: 351 353 355 357 358 1 3 5 7 8 10 13 14 17 18 23 32 35 37 39 40 43 45  
 R = 40.0 KM; OBS: 19 22 28 19 22 25 18 20 0 17 20 10 23 20 14 8 0 14 10 13 11 21 6  
 JDGMT: 2 DPHI: -40 -38 -36 -34 -32 -29 -28 -26 -24 -22 -21 -18 -17 -14 -13 -8 1 5 6 8 10 13 14

AZ: 47 48 52 54 56 58 61 63 64 67 68 71 72 75 77 79 81 83 84 86 90 95  
 OBS: 0 7 11 6 8 10 21 20 18 15 14 10 7 8 0 16 10 3 1 5 0 0  
 DPHI: 16 18 21 24 25 27 30 32 34 36 38 40 42 44 46 49 50 52 54 56 60 64

82 10 3 10 AZ: 350 354 357 3 6 9 16 19 23 25 31 34 40 43 46 50 55 58 62 66 71 79 83  
 R = 50.0 KM; OBS: 11 16 21 17 0 24 13 9 12 10 12 17 7 10 0 0 6 0 4 0 0 1  
 JDGMT: 3 DPHI: -41 -36 -34 -28 -24 -21 -15 -12 -8 -6 0 4 9 12 15 19 24 27 32 35 40 48 52

AZ: 87 90 94 99  
 OBS: 0 2 1 0  
 DPHI: 56 60 64 68

82 10 3 11 AZ: 1 54  
R = 0.5 KM; OBS: 46 50  
JDGMT: 0 DPHI: -26 27

82 10 3 11 AZ: 59  
R = 3.0 KM; OBS: 48  
JDGMT: 0 DPHI: 32

82 10 3 11 AZ: 226 254  
R = 5.0 KM; OBS: 68 55  
JDGMT: 0 DPHI: -160 -133

82 10 3 11 AZ: 249  
R = 7.0 KM; OBS: 43  
JDGMT: 0 DPHI: -138

82 10 3 11 AZ: 245 350 354 358 2 6 10 14 19 22 26 31 34 39 43 47 51 55 59 63 66 71 74  
R = 10.0 KM; OBS: 50 40 41 42 38 55 53 46 49 42 29 48 54 47 34 42 55 41 32 54 37 52 45  
JDGMT: 2 DPHI: -141 -37 -33 -28 -24 -21 -17 -13 -8 -5 0 4 7 13 16 20 24 28 32 36 39 44 48

AZ: 79 84 86  
OBS: 27 30 32  
DPHI: 52 57 59

82 10 3 11 AZ: 353 355 355 359 2 2 4 7 9 10 12 15 17 18 20 23 25 26 28 31 34 35 37  
R = 20.0 KM; OBS: 11 15 13 21 29 13 30 42 40 24 40 55 47 32 27 25 18 14 17 44 11 32 26  
JDGMT: 2 DPHI: -33 -32 -31 -27 -25 -25 -23 -20 -18 -17 -14 -11 -10 -8 -6 -4 -2 0 2 4 7 8 10

AZ: 38 41 42 45 47 50 50 52 55 57 59 61 62 65 66 69 70 72 74 77 78 81 83  
OBS: 35 26 40 37 26 15 33 44 31 24 21 14 16 16 45 25 28 7 33 17 26 20 27  
DPHI: 11 14 16 19 20 23 23 25 28 31 32 34 35 38 39 43 43 46 48 50 52 54 56

AZ: 84  
OBS: 23  
DPHI: 58

82 10 3 11 AZ: 349 350 352 354 356 359 1 2 3 6 9 11 12 15 18 20 23 24 31 32 34 35 38  
R = 30.0 KM; OBS: 21 38 19 8 15 23 27 34 28 29 27 21 20 21 26 21 25 23 19 17 19 12 15  
JDGMT: 2 DPHI: -38 -37 -34 -33 -30 -28 -26 -25 -24 -20 -18 -16 -14 -12 -9 -7 -4 -3 4 5 7 8 11

AZ: 41 42 44 47 48 50 53 54 56 58 61 62 64 66 69 71 73 75 77 79 81 83 84  
OBS: 15 18 18 22 20 22 24 18 10 15 17 17 15 30 29 27 38 1 19 0 10 5 19  
DPHI: 14 16 17 20 22 23 26 27 29 32 34 36 38 40 42 44 46 48 50 52 54 56 58

AZ: 89 94  
OBS: 0 2  
DPHI: 62 68

82 10 3 11 AZ: 351 353 355 357 358 1 3 5 7 8 10 13 14 17 18 23 32 35 37 39 40 43 45  
R = 40.0 KM; OBS: 13 21 20 20 20 21 20 12 13 3 37 16 38 12 12 6 18 6 14 0 12 11 0  
JDGMT: 3 DPHI: -36 -34 -32 -30 -28 -25 -24 -22 -20 -18 -17 -14 -13 -10 -9 -4 5 9 10 12 14 17 18



|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|
|              | AZ:   | 47   | 48   | 52  | 54  | 56  | 58  | 61  | 63  | 64  | 67  | 68  | 71  | 72  | 75 | 77 | 79 | 81 | 83 | 84 | 86 | 90 | 95 |    |
|              | OBS:  | 8    | 15   | 12  | 15  | 0   | 4   | 2   | 10  | 3   | 0   | 19  | 12  | 3   | 7  | 0  | 3  | 3  | 0  | 12 | 0  | 3  | 0  |    |
|              | DPHI: | 20   | 22   | 25  | 28  | 29  | 31  | 34  | 36  | 38  | 40  | 42  | 44  | 46  | 48 | 50 | 53 | 54 | 56 | 58 | 60 | 64 | 68 |    |
| 82 10 3 11   | AZ:   | 350  | 354  | 357 | 3   | 6   | 9   | 16  | 19  | 23  | 25  | 31  | 34  | 40  | 43 | 46 | 50 | 55 | 58 | 62 | 66 | 71 | 79 | 83 |
| R = 50.0 KM; | OBS:  | 27   | 2    | 31  | 21  | 22  | 27  | 17  | 16  | 14  | 19  | 14  | 21  | 11  | 2  | 4  | 6  | 0  | 14 | 0  | 1  | 0  | 1  | 2  |
| JDGMT: 2     | DPHI: | -37  | -32  | -30 | -24 | -20 | -17 | -11 | -8  | -4  | -2  | 4   | 8   | 13  | 16 | 19 | 23 | 28 | 31 | 36 | 39 | 44 | 52 | 56 |
|              | AZ:   | 87   | 90   | 94  | 99  |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
|              | OBS:  | 0    | 7    | 11  | 16  |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
|              | DPHI: | 60   | 64   | 68  | 72  |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
| 82 10 3 12   | AZ:   | 1    | 54   |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
| R = 0.5 KM;  | OBS:  | 55   | 56   |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
| JDGMT: 0     | DPHI: | -23  | 30   |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
| 82 10 3 12   | AZ:   | 59   |      |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
| R = 3.0 KM;  | OBS:  | 29   |      |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
| JDGMT: 0     | DPHI: | 34   |      |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
| 82 10 3 12   | AZ:   | 226  | 254  |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
| R = 5.0 KM;  | OBS:  | 69   | 25   |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
| JDGMT: 0     | DPHI: | -158 | -130 |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
| 82 10 3 12   | AZ:   | 249  |      |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
| R = 7.0 KM;  | OBS:  | 41   |      |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
| JDGMT: 0     | DPHI: | -135 |      |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
| 82 10 3 12   | AZ:   | 245  | 350  | 354 | 358 | 2   | 6   | 10  | 14  | 19  | 22  | 26  | 31  | 34  | 39 | 43 | 47 | 51 | 55 | 59 | 63 | 66 | 74 | 79 |
| R = 10.0 KM; | OBS:  | 42   | 33   | 48  | 33  | 87  | 3   | 45  | 45  | 56  | 43  | 24  | 16  | 64  | 51 | 59 | 13 | 30 | 23 | 28 | 58 | 38 | 26 | 19 |
| JDGMT: 2     | DPHI: | -139 | -34  | -31 | -26 | -22 | -19 | -14 | -10 | -6  | -2  | 2   | 6   | 10  | 15 | 18 | 22 | 27 | 30 | 35 | 38 | 42 | 50 | 55 |
|              | AZ:   | 84   | 86   |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
|              | OBS:  | 14   | 18   |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
|              | DPHI: | 59   | 61   |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
| 82 10 3 12   | AZ:   | 353  | 355  | 355 | 359 | 2   | 2   | 4   | 7   | 9   | 10  | 12  | 15  | 17  | 18 | 20 | 23 | 25 | 26 | 28 | 31 | 34 | 35 | 37 |
| R = 20.0 KM; | OBS:  | 5    | 27   | 4   | 27  | 45  | 30  | 40  | 36  | 31  | 33  | 45  | 29  | 47  | 26 | 12 | 39 | 23 | 19 | 30 | 32 | 22 | 18 | 21 |
| JDGMT: 3     | DPHI: | -31  | -29  | -29 | -25 | -23 | -22 | -20 | -17 | -16 | -14 | -12 | -9  | -7  | -6 | -4 | -2 | 0  | 2  | 4  | 6  | 9  | 10 | 12 |
|              | AZ:   | 38   | 41   | 42  | 45  | 47  | 50  | 50  | 52  | 55  | 57  | 59  | 61  | 62  | 65 | 66 | 69 | 70 | 72 | 74 | 77 | 78 | 81 | 83 |
|              | OBS:  | 40   | 27   | 11  | 37  | 36  | 8   | 13  | 36  | 11  | 22  | 28  | 21  | 16  | 21 | 23 | 13 | 19 | 17 | 16 | 8  | 8  | 8  | 15 |
|              | DPHI: | 14   | 17   | 18  | 21  | 23  | 26  | 26  | 28  | 30  | 33  | 35  | 36  | 38  | 41 | 42 | 45 | 46 | 48 | 50 | 53 | 54 | 56 | 58 |
|              | AZ:   | 84   |      |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
|              | OBS:  | 9    |      |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
|              | DPHI: | 60   |      |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
| 82 10 3 12   | AZ:   | 349  | 350  | 352 | 354 | 356 | 359 | 1   | 2   | 3   | 6   | 9   | 11  | 12  | 15 | 18 | 20 | 23 | 24 | 31 | 32 | 34 | 35 | 38 |
| R = 30.0 KM; | OBS:  | 2    | 21   | 163 | 17  | 5   | 3   | 27  | 4   | 9   | 20  | 16  | 9   | 34  | 11 | 16 | 26 | 13 | 12 | 10 | 40 | 10 | 13 | 14 |
| JDGMT: 2     | DPHI: | -36  | -34  | -32 | -30 | -28 | -25 | -23 | -22 | -22 | -18 | -15 | -13 | -12 | -9 | -6 | -4 | -2 | 0  | 6  | 8  | 9  | 11 | 14 |

|       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| AZ:   | 41 | 42 | 44 | 47 | 48 | 50 | 53 | 54 | 56 | 58 | 61 | 62 | 64 | 66 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 84 |
| OBS:  | 12 | 21 | 23 | 20 | 22 | 11 | 19 | 9  | 35 | 9  | 26 | 22 | 15 | 19 | 15 | 12 | 19 | 0  | 6  | 4  | 2  | 0  | 6  |
| DPHI: | 16 | 18 | 20 | 23 | 24 | 26 | 29 | 30 | 32 | 34 | 36 | 38 | 40 | 42 | 44 | 46 | 48 | 51 | 52 | 54 | 56 | 59 | 60 |

|       |    |    |
|-------|----|----|
| AZ:   | 89 | 94 |
| OBS:  | 0  | 0  |
| DPHI: | 65 | 70 |

|              |       |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
|--------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|
| 82 10 3 12   | AZ:   | 351 | 353 | 355 | 357 | 358 | 1   | 3   | 5   | 7   | 8   | 10  | 13  | 14  | 17 | 18 | 23 | 32 | 35 | 37 | 39 | 40 | 43 | 45 |
| R = 40.0 KM; | OBS:  | 21  | 19  | 29  | 15  | 26  | 0   | 9   | 10  | 27  | 18  | 19  | 24  | 21  | 22 | 10 | 8  | 15 | 15 | 2  | 7  | 23 | 9  | 29 |
| JDGMT: 3     | DPHI: | -34 | -32 | -30 | -28 | -26 | -23 | -22 | -20 | -17 | -16 | -14 | -11 | -10 | -7 | -7 | -2 | 7  | 11 | 13 | 15 | 16 | 19 | 20 |

|       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| AZ:   | 47 | 48 | 52 | 54 | 56 | 61 | 63 | 64 | 67 | 68 | 71 | 72 | 75 | 77 | 79 | 81 | 83 | 84 | 86 | 90 | 95 |
| OBS:  | 37 | 44 | 56 | 5  | 11 | 16 | 10 | 12 | 4  | 0  | 15 | 4  | 0  | 0  | 0  | 0  | 0  | 2  | 0  | 13 | 0  |
| DPHI: | 23 | 24 | 28 | 30 | 32 | 37 | 38 | 40 | 42 | 44 | 46 | 48 | 51 | 52 | 55 | 57 | 58 | 60 | 62 | 66 | 71 |

|              |       |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|--------------|-------|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 82 10 3 12   | AZ:   | 350 | 354 | 357 | 3   | 6   | 9   | 16 | 19 | 23 | 25 | 31 | 34 | 40 | 43 | 46 | 50 | 55 | 58 | 62 | 66 | 71 | 79 | 83 |
| R = 50.0 KM; | OBS:  | 11  | 13  | 21  | 29  | 17  | 17  | 13 | 7  | 8  | 13 | 26 | 35 | 5  | 14 | 0  | 11 | 15 | 36 | 1  | 13 | 0  | 0  | 0  |
| JDGMT: 3     | DPHI: | -34 | -30 | -27 | -21 | -18 | -15 | -8 | -6 | -2 | 1  | 6  | 10 | 16 | 18 | 21 | 26 | 31 | 34 | 38 | 42 | 47 | 54 | 58 |

|       |    |    |    |    |
|-------|----|----|----|----|
| AZ:   | 87 | 90 | 94 | 99 |
| OBS:  | 3  | 12 | 4  | 3  |
| DPHI: | 63 | 66 | 70 | 75 |

|             |       |     |    |
|-------------|-------|-----|----|
| 82 10 4 5   | AZ:   | 1   | 54 |
| R = 0.5 KM; | OBS:  | 3   | 11 |
| JDGMT: 0    | DPHI: | -35 | 18 |

|             |       |      |
|-------------|-------|------|
| 82 10 4 5   | AZ:   | 225  |
| R = 2.0 KM; | OBS:  | 5    |
| JDGMT: 0    | DPHI: | -171 |

|             |       |      |    |
|-------------|-------|------|----|
| 82 10 4 5   | AZ:   | 278  | 59 |
| R = 3.0 KM; | OBS:  | 7    | 6  |
| JDGMT: 0    | DPHI: | -118 | 22 |

|             |       |      |
|-------------|-------|------|
| 82 10 4 5   | AZ:   | 244  |
| R = 7.0 KM; | OBS:  | 0    |
| JDGMT: 0    | DPHI: | -152 |

|              |       |      |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |
|--------------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|
| 82 10 4 5    | AZ:   | 233  | 350 | 354 | 358 | 2   | 6   | 10  | 14  | 19  | 22  | 26  | 31 | 34 | 39 | 43 | 47 | 51 | 55 | 59 | 60 | 63 | 66 | 71 |
| R = 10.0 KM; | OBS:  | 10   | 0   | 9   | 10  | 4   | 8   | 6   | 9   | 0   | 0   | 17  | 0  | 0  | 5  | 0  | 7  | 8  | 4  | 0  | 9  | 10 | 0  | 0  |
| JDGMT: 3     | DPHI: | -163 | -46 | -43 | -38 | -34 | -31 | -26 | -22 | -18 | -14 | -10 | -6 | -2 | 3  | 6  | 10 | 15 | 18 | 23 | 24 | 26 | 30 | 34 |

|       |    |    |    |    |
|-------|----|----|----|----|
| AZ:   | 74 | 79 | 84 | 86 |
| OBS:  | 9  | 0  | 8  | 9  |
| DPHI: | 38 | 43 | 47 | 49 |

|              |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
|--------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|
| 82 10 4 5    | AZ:   | 353 | 355 | 355 | 359 | 2   | 2   | 4   | 7   | 9   | 10  | 12  | 15  | 17  | 18  | 20  | 23  | 25  | 26  | 28 | 31 | 34 | 35 | 37 |
| R = 20.0 KM; | OBS:  | 10  | 0   | 8   | 0   | 9   | 1   | 0   | 0   | 3   | 9   | 2   | 3   | 8   | 9   | 5   | 7   | 2   | 12  | 7  | 3  | 0  | 0  | 10 |
| JDGMT: 2     | DPHI: | -43 | -41 | -41 | -37 | -35 | -34 | -32 | -29 | -28 | -26 | -24 | -21 | -19 | -18 | -16 | -14 | -12 | -10 | -8 | -6 | -3 | -2 | 0  |

|       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| AZ:   | 38 | 41 | 42 | 45 | 47 | 50 | 50 | 52 | 55 | 57 | 59 | 61 | 62 | 65 | 66 | 69 | 70 | 72 | 74 | 77 | 78 | 81 | 83 |
| OBS:  | 0  | 3  | 0  | 4  | 10 | 4  | 0  | 5  | 9  | 0  | 5  | 6  | 0  | 6  | 9  | 0  | 6  | 0  | 0  | 0  | 14 | 0  | 10 |
| DPHI: | 2  | 5  | 6  | 9  | 11 | 14 | 14 | 16 | 18 | 21 | 23 | 24 | 26 | 29 | 30 | 33 | 34 | 36 | 38 | 41 | 42 | 44 | 46 |

|       |    |
|-------|----|
| AZ:   | 84 |
| OBS:  | 11 |
| DPHI: | 48 |

|              |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
|--------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|
| 82 10 4 5    | AZ:   | 349 | 350 | 352 | 354 | 356 | 359 | 1   | 2   | 3   | 6   | 9   | 11  | 12  | 15  | 20  | 23  | 24  | 26  | 29 | 31 | 32 | 34 | 35 |
| R = 30.0 KM; | OBS:  | 0   | 6   | 10  | 7   | 9   | 10  | 7   | 4   | 0   | 0   | 10  | 8   | 7   | 0   | 1   | 0   | 22  | 0   | 17 | 0  | 0  | 8  | 13 |
| JDGMT: 2     | DPHI: | -48 | -46 | -44 | -42 | -40 | -37 | -35 | -34 | -34 | -30 | -27 | -25 | -24 | -21 | -16 | -14 | -12 | -10 | -8 | -6 | -4 | -3 | -1 |

|       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| AZ:   | 38 | 41 | 42 | 44 | 47 | 48 | 50 | 53 | 54 | 56 | 58 | 61 | 62 | 64 | 66 | 69 | 71 | 73 | 77 | 79 | 81 | 83 | 84 |
| OBS:  | 0  | 3  | 0  | 8  | 1  | 8  | 6  | 0  | 4  | 4  | 1  | 1  | 0  | 11 | 0  | 8  | 13 | 25 | 10 | 16 | 0  | 8  | 10 |
| DPHI: | 2  | 4  | 6  | 8  | 11 | 12 | 14 | 17 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 40 | 42 | 44 | 47 | 48 |

|       |    |    |
|-------|----|----|
| AZ:   | 89 | 94 |
| OBS:  | 1  | 10 |
| DPHI: | 53 | 58 |

|              |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
|--------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|
| 82 10 4 5    | AZ:   | 351 | 353 | 355 | 357 | 358 | 1   | 3   | 5   | 7   | 8   | 10  | 13  | 14  | 17  | 18  | 23  | 32 | 35 | 37 | 39 | 40 | 43 | 45 |
| R = 40.0 KM; | OBS:  | 5   | 6   | 0   | 6   | 0   | 8   | 7   | 2   | 5   | 12  | 0   | 9   | 0   | 3   | 0   | 0   | 0  | 11 | 8  | 0  | 18 | 0  | 0  |
| JDGMT: 3     | DPHI: | -46 | -44 | -42 | -40 | -38 | -35 | -34 | -32 | -29 | -28 | -26 | -23 | -22 | -19 | -19 | -14 | -5 | -1 | 1  | 3  | 4  | 7  | 8  |

|       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| AZ:   | 47 | 48 | 48 | 52 | 54 | 56 | 58 | 63 | 64 | 67 | 68 | 71 | 72 | 75 | 77 | 79 | 81 | 83 | 84 | 86 | 90 | 95 |
| OBS:  | 8  | 3  | 2  | 0  | 0  | 0  | 6  | 0  | 4  | 1  | 0  | 0  | 1  | 6  | 6  | 6  | 0  | 0  | 0  | 2  | 2  | 2  |
| DPHI: | 11 | 12 | 12 | 16 | 18 | 20 | 22 | 26 | 28 | 30 | 32 | 34 | 36 | 39 | 40 | 43 | 45 | 46 | 48 | 50 | 54 | 59 |

|              |       |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |
|--------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 82 10 4 5    | AZ:   | 350 | 354 | 357 | 3   | 6   | 9   | 16  | 19  | 23  | 25  | 31 | 34 | 40 | 43 | 46 | 55 | 58 | 62 | 66 | 71 | 74 | 79 | 83 |
| R = 50.0 KM; | OBS:  | 1   | 10  | 0   | 0   | 0   | 8   | 0   | 6   | 7   | 0   | 5  | 10 | 5  | 3  | 6  | 9  | 9  | 0  | 3  | 1  | 0  | 10 | 3  |
| JDGMT: 2     | DPHI: | -46 | -42 | -39 | -33 | -30 | -27 | -20 | -18 | -14 | -11 | -6 | -2 | 4  | 6  | 9  | 19 | 22 | 26 | 30 | 35 | 38 | 42 | 46 |

|       |    |    |    |    |
|-------|----|----|----|----|
| AZ:   | 87 | 90 | 94 | 99 |
| OBS:  | 1  | 4  | 0  | 6  |
| DPHI: | 51 | 54 | 58 | 63 |

|             |       |     |    |
|-------------|-------|-----|----|
| 82 10 4 6   | AZ:   | 1   | 54 |
| R = 0.5 KM; | OBS:  | 7   | 0  |
| JDGMT: 0    | DPHI: | -45 | 8  |

|             |       |     |
|-------------|-------|-----|
| 82 10 4 6   | AZ:   | 225 |
| R = 2.0 KM; | OBS:  | 11  |
| JDGMT: 0    | DPHI: | 179 |

|             |       |      |    |
|-------------|-------|------|----|
| 82 10 4 6   | AZ:   | 278  | 59 |
| R = 3.0 KM; | OBS:  | 8    | 10 |
| JDGMT: 0    | DPHI: | -128 | 13 |

|             |       |      |
|-------------|-------|------|
| 82 10 4 6   | AZ:   | 244  |
| R = 7.0 KM; | OBS:  | 5    |
| JDGMT: 0    | DPHI: | -162 |

|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|--------------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|
| 82 10 4 6    | AZ:   | 233  | 350 | 354 | 358 | 2   | 6   | 10  | 14  | 19  | 22  | 26  | 31  | 34  | 39  | 43  | 47  | 51  | 55  | 59  | 60  | 63  | 66  | 71  |  |  |
| R = 10.0 KM; | OBS:  | 0    | 0   | 8   | 10  | 5   | 1   | 9   | 9   | 11  | 0   | 4   | 10  | 0   | 0   | 10  | 0   | 0   | 7   | 9   | 8   | 10  | 10  | 0   |  |  |
| JDGMT: 2     | DPHI: | -173 | -56 | -52 | -48 | -44 | -41 | -36 | -32 | -28 | -24 | -20 | -15 | -12 | -7  | -4  | 1   | 5   | 8   | 13  | 14  | 17  | 20  | 25  |  |  |
|              | AZ:   | 74   | 79  | 84  | 86  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              | OBS:  | 12   | 0   | 8   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              | DPHI: | 28   | 33  | 38  | 40  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| 82 10 4 6    | AZ:   | 353  | 355 | 355 | 359 | 2   | 2   | 4   | 7   | 9   | 10  | 12  | 15  | 17  | 18  | 20  | 23  | 25  | 28  | 31  | 34  | 35  | 37  | 38  |  |  |
| R = 20.0 KM; | OBS:  | 0    | 0   | 6   | 3   | 8   | 2   | 10  | 0   | 10  | 10  | 0   | 10  | 0   | 8   | 0   | 29  | 0   | 8   | 9   | 11  | 4   | 10  | 0   |  |  |
| JDGMT: 2     | DPHI: | -53  | -51 | -51 | -47 | -45 | -44 | -42 | -39 | -38 | -36 | -34 | -31 | -29 | -28 | -26 | -24 | -22 | -18 | -15 | -12 | -11 | -9  | -8  |  |  |
|              | AZ:   | 41   | 42  | 45  | 47  | 50  | 50  | 52  | 55  | 57  | 59  | 61  | 62  | 65  | 66  | 69  | 70  | 72  | 74  | 77  | 78  | 81  | 83  | 84  |  |  |
|              | OBS:  | 10   | 7   | 8   | 7   | 0   | 10  | 4   | 9   | 10  | 0   | 0   | 8   | 7   | 13  | 5   | 0   | 1   | 5   | 0   | 11  | 0   | 74  | 10  |  |  |
|              | DPHI: | -5   | -4  | -1  | 1   | 4   | 4   | 6   | 8   | 11  | 13  | 14  | 16  | 19  | 20  | 23  | 24  | 26  | 28  | 31  | 32  | 34  | 37  | 38  |  |  |
|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| 82 10 4 6    | AZ:   | 349  | 350 | 352 | 354 | 356 | 359 | 1   | 2   | 3   | 6   | 9   | 11  | 12  | 15  | 18  | 20  | 23  | 24  | 26  | 29  | 31  | 32  | 34  |  |  |
| R = 30.0 KM; | OBS:  | 0    | 8   | 8   | 0   | 0   | 2   | 0   | 10  | 10  | 9   | 11  | 0   | 0   | 0   | 0   | 0   | 0   | 4   | 0   | 10  | 3   | 3   | 9   |  |  |
| JDGMT: 2     | DPHI: | -57  | -56 | -54 | -52 | -50 | -47 | -45 | -44 | -43 | -40 | -37 | -35 | -34 | -31 | -28 | -26 | -23 | -22 | -20 | -18 | -15 | -14 | -13 |  |  |
|              | AZ:   | 35   | 38  | 41  | 42  | 44  | 47  | 48  | 50  | 53  | 54  | 56  | 58  | 62  | 64  | 66  | 69  | 71  | 73  | 77  | 79  | 81  | 83  | 84  |  |  |
|              | OBS:  | 8    | 4   | 0   | 8   | 7   | 0   | 0   | 0   | 7   | 9   | 7   | 10  | 2   | 0   | 0   | 10  | 0   | 32  | 37  | 27  | 8   | 9   | 0   |  |  |
|              | DPHI: | -11  | -8  | -5  | -4  | -2  | 1   | 2   | 4   | 7   | 8   | 10  | 12  | 16  | 18  | 20  | 22  | 25  | 27  | 31  | 33  | 35  | 37  | 38  |  |  |
|              | AZ:   | 89   | 94  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              | OBS:  | 8    | 9   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              | DPHI: | 43   | 48  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| 82 10 4 6    | AZ:   | 351  | 353 | 355 | 357 | 358 | 1   | 3   | 5   | 7   | 8   | 10  | 13  | 14  | 17  | 18  | 23  | 32  | 35  | 37  | 39  | 40  | 43  | 45  |  |  |
| R = 40.0 KM; | OBS:  | 0    | 0   | 0   | 4   | 12  | 0   | 0   | 7   | 8   | 11  | 8   | 0   | 5   | 0   | 10  | 5   | 0   | 9   | 8   | 0   | 0   | 8   | 10  |  |  |
| JDGMT: 2     | DPHI: | -55  | -53 | -51 | -49 | -48 | -45 | -43 | -41 | -39 | -38 | -36 | -33 | -32 | -29 | -28 | -23 | -14 | -11 | -9  | -7  | -6  | -3  | -1  |  |  |
|              | AZ:   | 47   | 48  | 48  | 52  | 54  | 56  | 58  | 63  | 64  | 67  | 68  | 71  | 72  | 75  | 77  | 79  | 81  | 83  | 84  | 86  | 90  | 95  |     |  |  |
|              | OBS:  | 8    | 3   | 0   | 0   | 0   | 2   | 0   | 0   | 9   | 10  | 0   | 1   | 8   | 2   | 3   | 1   | 6   | 6   | 10  | 9   | 9   | 0   |     |  |  |
|              | DPHI: | 1    | 2   | 2   | 6   | 8   | 10  | 12  | 16  | 18  | 21  | 22  | 24  | 26  | 29  | 31  | 33  | 35  | 37  | 38  | 40  | 44  | 49  |     |  |  |
|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| 82 10 4 6    | AZ:   | 350  | 354 | 357 | 3   | 6   | 9   | 16  | 19  | 23  | 25  | 31  | 34  | 40  | 43  | 46  | 55  | 58  | 62  | 66  | 71  | 74  | 79  | 83  |  |  |
| R = 50.0 KM; | OBS:  | 8    | 2   | 6   | 0   | 12  | 8   | 3   | 3   | 0   | 0   | 1   | 3   | 5   | 8   | 10  | 4   | 2   | 0   | 1   | 5   | 0   | 2   | 1   |  |  |
| JDGMT: 2     | DPHI: | -56  | -52 | -49 | -43 | -40 | -37 | -30 | -27 | -23 | -21 | -15 | -12 | -6  | -3  | 0   | 9   | 12  | 16  | 20  | 25  | 28  | 32  | 37  |  |  |
|              | AZ:   | 87   | 90  | 99  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              | OBS:  | 10   | 10  | 2   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              | DPHI: | 41   | 44  | 53  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| 82 10 4 7    | AZ:   | 1    | 54  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| R = 0.5 KM;  | OBS:  | 12   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| JDGMT: 0     | DPHI: | -44  | 9   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| 82 10 4 7    | AZ:   | 225  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| R = 2.0 KM;  | OBS:  | 10   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| JDGMT: 0     | DPHI: | 181  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |

82 10 4 7 AZ: 278 59  
R = 3.0 KM; OBS: 2 17  
JDGMT: 0 DPHI: -127 14

82 10 4 7 AZ: 244  
R = 7.0 KM; OBS: 14  
JDGMT: 0 DPHI: -161

82 10 4 7 AZ: 233 350 354 358 2 6 10 14 19 22 26 31 34 39 43 47 51 55 59 60 63 66 71  
R = 10.0 KM; OBS: 0 0 4 16 0 8 10 4 7 0 18 0 0 0 0 10 6 5 4 0 3 10 0  
JDGMT: 3 DPHI: -172 -55 -51 -47 -42 -39 -35 -31 -26 -23 -18 -14 -11 -6 -2 2 6 10 14 15 18 21 26

AZ: 74 79 84 86  
OBS: 2 0 0 2  
DPHI: 30 34 39 41

82 10 4 7 AZ: 353 355 355 359 2 2 4 7 9 10 12 15 17 18 20 23 25 26 28 31 34 35 37  
R = 20.0 KM; OBS: 8 7 3 1 0 0 2 8 11 6 15 4 2 0 0 6 7 0 7 0 4 5 8  
JDGMT: 2 DPHI: -52 -50 -49 -45 -43 -43 -41 -38 -36 -35 -32 -29 -28 -26 -24 -22 -20 -18 -16 -14 -11 -10 -8

AZ: 38 41 42 45 47 50 50 52 55 57 59 61 62 65 66 69 70 72 74 77 78 81 83  
OBS: 0 2 9 2 0 1 0 1 11 5 8 0 10 6 1 10 4 5 3 14 18 7 3  
DPHI: -7 -4 -2 0 2 5 5 7 10 12 14 16 17 20 21 25 25 28 30 32 34 36 38

AZ: 84  
OBS: 2  
DPHI: 40

82 10 4 7 AZ: 349 350 352 354 356 359 2 3 6 9 11 12 15 18 20 23 24 26 29 31 32 34 35  
R = 30.0 KM; OBS: 0 1 0 0 0 2 2 11 8 8 9 3 6 0 5 0 0 10 16 2 2 3 5  
JDGMT: 2 DPHI: -56 -55 -52 -51 -48 -46 -43 -42 -38 -36 -34 -32 -30 -27 -25 -22 -21 -19 -16 -14 -13 -11 -10

AZ: 38 41 42 44 47 48 50 53 54 56 58 61 62 64 66 69 71 73 77 79 81 83 84  
OBS: 5 6 0 5 4 8 9 2 2 4 2 0 1 7 0 10 8 28 58 20 13 2 5  
DPHI: -7 -4 -3 -1 2 4 5 8 9 11 14 16 17 20 21 24 26 28 32 34 36 38 40

AZ: 89 94  
OBS: 3 0  
DPHI: 44 50

82 10 4 7 AZ: 351 353 355 357 358 1 3 5 7 8 10 13 14 17 18 23 32 35 37 39 40 43 45  
R = 40.0 KM; OBS: 2 1 7 0 1 1 9 0 1 2 0 1 5 6 0 0 0 4 0 0 0 3 8  
JDGMT: 2 DPHI: -54 -52 -50 -48 -46 -43 -42 -40 -38 -36 -35 -32 -31 -28 -27 -22 -13 -10 -8 -6 -5 -1 0

AZ: 47 48 48 52 54 56 58 63 64 67 68 71 72 75 77 79 81 83 84 86 90 95  
OBS: 0 0 4 8 3 0 4 0 0 1 2 0 10 0 4 0 6 2 1 2 7 15  
DPHI: 2 3 4 7 10 11 13 18 20 22 24 26 28 30 32 34 36 38 40 41 46 50

82 10 4 7 AZ: 350 354 357 3 6 9 16 19 23 25 31 34 40 43 46 55 58 62 66 71 74 79 83  
R = 50.0 KM; OBS: 1 9 5 5 11 0 0 0 0 0 0 0 5 0 2 7 8 0 3 2 0 8 6  
JDGMT: 3 DPHI: -55 -50 -48 -42 -39 -35 -29 -26 -22 -20 -14 -10 -5 -2 1 10 13 18 21 26 29 34 38

AZ: 87 90 94 99  
 OBS: 3 1 3 10  
 DPHI: 42 46 50 54

82 10 4 8 AZ: 1 54  
 R = 0.5 KM; OBS: 9 10  
 JDGMT: 0 DPHI: -33 20

82 10 4 8 AZ: 225  
 R = 2.0 KM; OBS: 1  
 JDGMT: 0 DPHI: -169

82 10 4 8 AZ: 278 59  
 R = 3.0 KM; OBS: 9 8  
 JDGMT: 0 DPHI: -116 25

82 10 4 8 AZ: 244  
 R = 7.0 KM; OBS: 1  
 JDGMT: 0 DPHI: -150

82 10 4 8 AZ: 233 350 354 358 2 6 10 14 19 22 26 31 34 39 43 47 51 55 59 60 63 66 71  
 R = 10.0 KM; OBS: 5 9 8 0 0 4 0 10 0 0 16 0 0 11 0 0 1 8 13 0 0 4 7  
 JDGMT: 3 DPHI: -161 -44 -41 -36 -32 -29 -24 -20 -16 -12 -8 -4 0 5 8 12 17 20 25 26 28 32 37

AZ: 74 79 84 86  
 OBS: 5 0 0 7  
 DPHI: 40 45 49 51

82 10 4 8 AZ: 353 355 355 359 2 2 4 7 9 10 12 15 17 18 20 23 25 26 28 31 34 35 37  
 R = 20.0 KM; OBS: 12 0 0 10 0 1 0 9 10 0 10 7 0 4 5 11 8 3 3 8 0 6 14  
 JDGMT: 3 DPHI: -41 -39 -39 -35 -33 -32 -30 -27 -26 -24 -22 -19 -17 -16 -14 -12 -10 -8 -6 -4 -1 0 3

AZ: 38 41 42 45 47 50 50 52 55 57 59 61 62 65 66 69 70 72 74 77 78 81 83  
 OBS: 0 8 0 4 9 0 6 0 0 6 0 0 10 0 0 0 9 10 0 9 8 6 10  
 DPHI: 4 7 8 11 13 16 16 18 20 23 25 26 28 31 32 35 36 38 40 43 44 46 48

AZ: 84  
 OBS: 0  
 DPHI: 50

82 10 4 8 AZ: 349 350 352 354 356 359 1 2 3 6 9 11 12 15 18 20 23 24 26 29 31 32 34  
 R = 30.0 KM; OBS: 9 6 0 8 1 10 7 8 14 8 0 6 15 1 4 0 7 0 10 0 0 10 6  
 JDGMT: 3 DPHI: -45 -44 -42 -40 -38 -35 -33 -32 -32 -28 -25 -23 -22 -19 -16 -14 -12 -10 -8 -6 -3 -2 -1

AZ: 35 38 41 42 47 48 50 53 54 56 58 61 62 64 66 69 71 73 77 79 81 83 84  
 OBS: 0 9 9 0 32 6 3 0 0 2 0 0 10 0 0 0 21 14 15 0 9 8  
 DPHI: 1 4 6 8 13 14 16 19 20 22 24 26 28 30 32 34 36 38 42 44 46 49 50

AZ: 89 94  
 OBS: 3 3  
 DPHI: 55 60

|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
|--------------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|
| 82 10 4 8    | AZ:   | 351  | 353 | 355 | 357 | 358 | 1   | 3   | 5   | 7   | 8   | 10  | 13  | 14  | 17  | 18  | 23  | 32  | 35  | 37 | 39 | 40 | 43 | 45 |
| R = 40.0 KM; | OBS:  | 18   | 7   | 8   | 1   | 6   | 9   | 0   | 0   | 9   | 10  | 0   | 0   | 7   | 6   | 14  | 0   | 9   | 8   | 2  | 3  | 0  | 8  | 10 |
| JDGMT: 2     | DPHI: | -44  | -42 | -40 | -37 | -36 | -33 | -32 | -30 | -27 | -26 | -24 | -21 | -20 | -17 | -17 | -12 | -3  | 1   | 3  | 5  | 6  | 9  | 11 |
|              | AZ:   | 47   | 48  | 48  | 52  | 54  | 56  | 58  | 63  | 64  | 67  | 68  | 71  | 72  | 75  | 77  | 79  | 81  | 83  | 84 | 86 | 90 | 95 |    |
|              | OBS:  | 0    | 7   | 5   | 0   | 6   | 0   | 0   | 8   | 1   | 3   | 0   | 3   | 10  | 10  | 2   | 0   | 3   | 4   | 1  | 1  | 3  | 1  |    |
|              | DPHI: | 13   | 14  | 14  | 18  | 20  | 22  | 24  | 28  | 30  | 32  | 34  | 36  | 38  | 41  | 42  | 45  | 47  | 48  | 50 | 52 | 56 | 61 |    |
| 82 10 4 8    | AZ:   | 350  | 354 | 357 | 3   | 6   | 9   | 16  | 19  | 23  | 25  | 31  | 34  | 40  | 43  | 46  | 55  | 58  | 62  | 66 | 71 | 74 | 79 | 83 |
| R = 50.0 KM; | OBS:  | 7    | 8   | 0   | 6   | 0   | 10  | 1   | 0   | 5   | 6   | 4   | 0   | 8   | 0   | 13  | 3   | 4   | 0   | 0  | 0  | 5  | 6  | 0  |
| JDGMT: 3     | DPHI: | -44  | -40 | -37 | -31 | -28 | -25 | -18 | -16 | -12 | -9  | -4  | 0   | 6   | 8   | 11  | 21  | 24  | 28  | 32 | 37 | 40 | 44 | 48 |
|              | AZ:   | 87   | 90  | 94  | 99  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
|              | OBS:  | 12   | 3   | 0   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
|              | DPHI: | 53   | 56  | 60  | 65  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| 82 10 4 9    | AZ:   | 1    | 54  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| R = 0.5 KM;  | OBS:  | 7    | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| JDGMT: 0     | DPHI: | -36  | 16  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| 82 10 4 9    | AZ:   | 225  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| R = 2.0 KM;  | OBS:  | 11   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| JDGMT: 0     | DPHI: | -172 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| 82 10 4 9    | AZ:   | 278  | 59  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| R = 3.0 KM;  | OBS:  | 4    | 3   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| JDGMT: 0     | DPHI: | -119 | 21  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| 82 10 4 9    | AZ:   | 244  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| R = 7.0 KM;  | OBS:  | 4    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| JDGMT: 0     | DPHI: | -153 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| 82 10 4 9    | AZ:   | 233  | 350 | 354 | 358 | 2   | 6   | 10  | 14  | 19  | 22  | 26  | 31  | 34  | 39  | 43  | 47  | 51  | 55  | 59 | 60 | 63 | 66 | 71 |
| R = 10.0 KM; | OBS:  | 0    | 9   | 0   | 4   | 6   | 6   | 1   | 1   | 0   | 10  | 10  | 0   | 0   | 11  | 10  | 9   | 9   | 4   | 3  | 1  | 6  | 0  | 8  |
| JDGMT: 2     | DPHI: | -165 | -48 | -44 | -39 | -35 | -32 | -28 | -23 | -19 | -16 | -11 | -7  | -4  | 2   | 5   | 9   | 13  | 17  | 21 | 23 | 25 | 28 | 33 |
|              | AZ:   | 74   | 79  | 84  | 86  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
|              | OBS:  | 13   | 7   | 0   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
|              | DPHI: | 37   | 41  | 46  | 48  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| 82 10 4 9    | AZ:   | 353  | 355 | 355 | 359 | 2   | 2   | 4   | 7   | 9   | 10  | 12  | 15  | 17  | 18  | 20  | 23  | 25  | 26  | 28 | 31 | 34 | 35 | 37 |
| R = 20.0 KM; | OBS:  | 0    | 0   | 4   | 2   | 9   | 1   | 10  | 2   | 14  | 0   | 11  | 4   | 8   | 0   | 0   | 6   | 0   | 0   | 0  | 3  | 0  | 3  | 10 |
| JDGMT: 2     | DPHI: | -44  | -43 | -42 | -38 | -36 | -36 | -33 | -30 | -29 | -28 | -25 | -22 | -21 | -19 | -17 | -15 | -13 | -11 | -9 | -7 | -4 | -3 | -1 |
|              | AZ:   | 38   | 41  | 42  | 45  | 47  | 50  | 50  | 52  | 55  | 57  | 59  | 61  | 62  | 65  | 66  | 69  | 70  | 72  | 74 | 77 | 78 | 81 | 83 |
|              | OBS:  | 0    | 8   | 0   | 0   | 5   | 9   | 11  | 1   | 0   | 11  | 0   | 0   | 9   | 8   | 9   | 10  | 11  | 1   | 6  | 0  | 10 | 10 | 23 |
|              | DPHI: | 0    | 3   | 5   | 8   | 9   | 12  | 13  | 14  | 17  | 20  | 22  | 23  | 25  | 27  | 29  | 32  | 32  | 35  | 37 | 39 | 41 | 43 | 45 |
|              | AZ:   | 84   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
|              | OBS:  | 29   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
|              | DPHI: | 47   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |

|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |
|--------------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|
| 82 10 4 9    | AZ:   | 349  | 350 | 352 | 354 | 356 | 359 | 1   | 2   | 3   | 6   | 9   | 11  | 12  | 15  | 18  | 20  | 23  | 24  | 26  | 29 | 31 | 32 | 34 |
| R = 30.0 KM; | OBS:  | 9    | 0   | 4   | 8   | 0   | 3   | 7   | 12  | 12  | 0   | 0   | 9   | 8   | 0   | 0   | 10  | 1   | 0   | 0   | 14 | 3  | 1  | 0  |
| JDGMT: 2     | DPHI: | -49  | -48 | -45 | -44 | -41 | -38 | -37 | -35 | -35 | -31 | -29 | -27 | -25 | -23 | -20 | -18 | -15 | -13 | -12 | -9 | -7 | -5 | -4 |
|              | AZ:   | 35   | 38  | 41  | 42  | 44  | 47  | 48  | 50  | 53  | 54  | 56  | 58  | 61  | 62  | 64  | 66  | 69  | 71  | 73  | 77 | 79 | 81 | 83 |
|              | OBS:  | 19   | 6   | 9   | 6   | 0   | 9   | 10  | 7   | 2   | 6   | 0   | 10  | 0   | 4   | 0   | 0   | 9   | 0   | 22  | 17 | 2  | 0  | 0  |
|              | DPHI: | -3   | 0   | 3   | 5   | 7   | 9   | 11  | 13  | 15  | 17  | 18  | 21  | 23  | 25  | 27  | 29  | 31  | 33  | 35  | 39 | 41 | 43 | 45 |
|              | AZ:   | 84   | 89  | 94  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |
|              | OBS:  | 0    | 0   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |
|              | DPHI: | 47   | 51  | 57  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |
| 82 10 4 9    | AZ:   | 351  | 353 | 355 | 357 | 358 | 1   | 3   | 5   | 7   | 8   | 10  | 13  | 14  | 17  | 18  | 23  | 32  | 35  | 37  | 39 | 40 | 43 | 45 |
| R = 40.0 KM; | OBS:  | 10   | 9   | 0   | 3   | 2   | 0   | 5   | 2   | 0   | 10  | 0   | 4   | 0   | 8   | 9   | 0   | 0   | 0   | 0   | 0  | 13 | 1  | 0  |
| JDGMT: 3     | DPHI: | -47  | -45 | -43 | -41 | -39 | -36 | -35 | -33 | -31 | -29 | -27 | -24 | -23 | -21 | -20 | -15 | -6  | -2  | -1  | 1  | 3  | 6  | 7  |
|              | AZ:   | 47   | 48  | 48  | 52  | 54  | 56  | 58  | 63  | 64  | 67  | 68  | 71  | 72  | 75  | 77  | 79  | 81  | 83  | 84  | 86 | 90 | 95 |    |
|              | OBS:  | 2    | 4   | 7   | 5   | 10  | 9   | 0   | 0   | 6   | 8   | 3   | 2   | 0   | 7   | 0   | 0   | 0   | 0   | 0   | 0  | 1  | 1  |    |
|              | DPHI: | 9    | 11  | 11  | 14  | 17  | 19  | 20  | 25  | 27  | 29  | 31  | 33  | 35  | 37  | 39  | 42  | 43  | 45  | 47  | 49 | 53 | 57 |    |
| 82 10 4 9    | AZ:   | 350  | 354 | 357 | 3   | 6   | 9   | 16  | 19  | 23  | 25  | 31  | 34  | 40  | 43  | 46  | 55  | 58  | 62  | 66  | 71 | 74 | 79 | 83 |
| R = 50.0 KM; | OBS:  | 0    | 5   | 5   | 3   | 11  | 9   | 2   | 5   | 0   | 5   | 3   | 0   | 5   | 0   | 11  | 0   | 6   | 0   | 0   | 5  | 13 | 3  | 5  |
| JDGMT: 3     | DPHI: | -47  | -43 | -41 | -35 | -31 | -28 | -21 | -19 | -15 | -13 | -7  | -3  | 2   | 5   | 8   | 17  | 21  | 25  | 28  | 33 | 37 | 41 | 45 |
|              | AZ:   | 87   | 90  | 94  | 99  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |
|              | OBS:  | 7    | 0   | 0   | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |
|              | DPHI: | 49   | 53  | 57  | 61  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |
| 82 10 4 10   | AZ:   | 1    | 54  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |
| R = 0.5 KM;  | OBS:  | 4    | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |
| JDGMT: 0     | DPHI: | -39  | 13  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |
| 82 10 4 10   | AZ:   | 225  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |
| R = 2.0 KM;  | OBS:  | 5    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |
| JDGMT: 0     | DPHI: | -175 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |
| 82 10 4 10   | AZ:   | 278  | 59  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |
| R = 3.0 KM;  | OBS:  | 3    | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |
| JDGMT: 0     | DPHI: | -122 | 18  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |
| 82 10 4 10   | AZ:   | 244  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |
| R = 7.0 KM;  | OBS:  | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |
| JDGMT: 0     | DPHI: | -156 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |
| 82 10 4 10   | AZ:   | 233  | 350 | 354 | 358 | 2   | 6   | 10  | 14  | 19  | 22  | 26  | 31  | 34  | 39  | 43  | 47  | 51  | 55  | 59  | 60 | 63 | 66 | 71 |
| R = 10.0 KM; | OBS:  | 0    | 10  | 1   | 9   | 8   | 2   | 0   | 7   | 2   | 0   | 14  | 8   | 0   | 0   | 3   | 9   | 0   | 4   | 0   | 0  | 4  | 3  | 0  |
| JDGMT: 3     | DPHI: | -167 | -50 | -47 | -42 | -38 | -35 | -30 | -26 | -22 | -18 | -14 | -10 | -6  | -1  | 2   | 6   | 11  | 14  | 18  | 20 | 22 | 25 | 30 |
|              | AZ:   | 74   | 79  | 84  | 86  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |
|              | OBS:  | 4    | 0   | 10  | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |
|              | DPHI: | 34   | 39  | 43  | 45  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |



|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|--------------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|
| 82 10 4 10   | AZ:   | 353  | 355 | 359 | 2   | 2   | 4   | 7   | 9   | 10  | 12  | 15  | 17  | 18  | 20  | 23  | 25  | 26  | 28  | 31  | 34  | 35  | 37 | 38 |
| R = 20.0 KM; | OBS:  | 16   | 9   | 0   | 0   | 6   | 10  | 6   | 7   | 6   | 0   | 2   | 10  | 0   | 13  | 1   | 3   | 5   | 3   | 0   | 0   | 7   | 10 | 10 |
| JDGMT: 2     | DPHI: | -47  | -46 | -41 | -39 | -38 | -36 | -33 | -32 | -31 | -28 | -25 | -23 | -22 | -20 | -18 | -16 | -14 | -12 | -10 | -7  | -6  | -4 | -3 |
|              | AZ:   | 41   | 42  | 45  | 47  | 50  | 50  | 52  | 55  | 57  | 59  | 61  | 62  | 65  | 66  | 69  | 70  | 72  | 74  | 77  | 78  | 81  | 83 | 84 |
|              | OBS:  | 2    | 0   | 4   | 0   | 6   | 0   | 9   | 0   | 9   | 10  | 8   | 0   | 11  | 10  | 4   | 13  | 2   | 2   | 3   | 6   | 0   | 3  | 13 |
|              | DPHI: | 1    | 2   | 5   | 6   | 10  | 10  | 12  | 14  | 17  | 19  | 20  | 22  | 25  | 26  | 29  | 29  | 32  | 34  | 36  | 38  | 40  | 42 | 44 |
| 82 10 4 10   | AZ:   | 349  | 350 | 352 | 354 | 356 | 359 | 1   | 2   | 3   | 6   | 9   | 11  | 12  | 15  | 18  | 20  | 23  | 24  | 26  | 29  | 31  | 32 | 34 |
| R = 30.0 KM; | OBS:  | 0    | 0   | 0   | 1   | 8   | 1   | 4   | 2   | 2   | 4   | 5   | 4   | 2   | 8   | 8   | 4   | 0   | 10  | 54  | 2   | 12  | 3  | 1  |
| JDGMT: 3     | DPHI: | -52  | -50 | -48 | -46 | -44 | -41 | -40 | -38 | -38 | -34 | -32 | -29 | -28 | -25 | -22 | -20 | -18 | -16 | -15 | -12 | -10 | -8 | -7 |
|              | AZ:   | 35   | 38  | 41  | 42  | 44  | 47  | 48  | 50  | 53  | 54  | 56  | 61  | 62  | 64  | 66  | 69  | 71  | 73  | 77  | 79  | 81  | 83 | 84 |
|              | OBS:  | 3    | 2   | 4   | 0   | 7   | 9   | 9   | 6   | 2   | 12  | 8   | 0   | 2   | 17  | 6   | 12  | 0   | 11  | 21  | 13  | 2   | 8  | 4  |
|              | DPHI: | -6   | -2  | 0   | 2   | 4   | 7   | 8   | 10  | 13  | 14  | 16  | 20  | 22  | 24  | 26  | 28  | 30  | 32  | 36  | 38  | 40  | 42 | 44 |
|              | AZ:   | 89   | 94  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|              | OBS:  | 5    | 7   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|              | DPHI: | 48   | 54  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 82 10 4 10   | AZ:   | 351  | 353 | 355 | 357 | 358 | 1   | 3   | 5   | 7   | 8   | 10  | 13  | 14  | 17  | 18  | 23  | 32  | 35  | 37  | 39  | 40  | 43 | 45 |
| R = 40.0 KM; | OBS:  | 4    | 1   | 0   | 0   | 0   | 3   | 0   | 0   | 0   | 10  | 0   | 0   | 28  | 5   | 15  | 0   | 7   | 0   | 7   | 0   | 4   | 3  | 0  |
| JDGMT: 2     | DPHI: | -50  | -48 | -46 | -44 | -42 | -39 | -38 | -36 | -34 | -32 | -30 | -27 | -26 | -24 | -23 | -18 | -9  | -5  | -3  | -1  | 0   | 3  | 4  |
|              | AZ:   | 47   | 48  | 48  | 52  | 54  | 56  | 58  | 63  | 64  | 67  | 68  | 71  | 72  | 75  | 77  | 79  | 81  | 83  | 84  | 86  | 90  | 95 |    |
|              | OBS:  | 0    | 10  | 3   | 0   | 2   | 3   | 10  | 7   | 2   | 4   | 0   | 0   | 5   | 1   | 10  | 6   | 1   | 10  | 2   | 19  | 0   | 0  |    |
|              | DPHI: | 6    | 8   | 8   | 12  | 14  | 16  | 18  | 22  | 24  | 26  | 28  | 30  | 32  | 34  | 36  | 39  | 40  | 42  | 44  | 46  | 50  | 54 |    |
| 82 10 4 10   | AZ:   | 350  | 354 | 357 | 3   | 6   | 9   | 16  | 19  | 23  | 25  | 31  | 34  | 40  | 43  | 46  | 55  | 58  | 62  | 66  | 71  | 74  | 79 | 83 |
| R = 50.0 KM; | OBS:  | 8    | 7   | 0   | 4   | 11  | 10  | 0   | 4   | 0   | 0   | 0   | 10  | 0   | 1   | 19  | 6   | 3   | 0   | 7   | 3   | 0   | 0  | 2  |
| JDGMT: 3     | DPHI: | -50  | -46 | -43 | -37 | -34 | -31 | -24 | -22 | -18 | -15 | -10 | -6  | -1  | 2   | 5   | 14  | 18  | 22  | 26  | 31  | 34  | 38 | 42 |
|              | AZ:   | 87   | 90  | 94  | 99  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|              | OBS:  | 8    | 4   | 5   | 7   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|              | DPHI: | 46   | 50  | 54  | 58  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 82 10 4 11   | AZ:   | 1    | 54  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| R = 0.5 KM;  | OBS:  | 42   | 50  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| JDGMT: 0     | DPHI: | -34  | 19  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 82 10 4 11   | AZ:   | 225  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| R = 2.0 KM;  | OBS:  | 11   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| JDGMT: 0     | DPHI: | -170 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 82 10 4 11   | AZ:   | 278  | 59  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| R = 3.0 KM;  | OBS:  | 9    | 8   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| JDGMT: 0     | DPHI: | -117 | 23  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 82 10 4 11   | AZ:   | 244  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| R = 7.0 KM;  | OBS:  | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| JDGMT: 0     | DPHI: | -151 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |

|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
|--------------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|
| 82 10 4 11   | AZ:   | 233  | 350 | 354 | 358 | 2   | 6   | 10  | 14  | 19  | 22  | 26  | 31  | 34  | 39  | 43  | 47  | 51  | 55  | 59 | 60 | 63 | 66 | 71 |
| R = 10.0 KM; | OBS:  | 0    | 5   | 7   | 0   | 19  | 0   | 0   | 4   | 0   | 0   | 12  | 0   | 8   | 2   | 4   | 0   | 2   | 0   | 8  | 7  | 10 | 0  | 9  |
| JDGMT: 2     | DPHI: | -162 | -45 | -42 | -37 | -33 | -30 | -25 | -21 | -17 | -13 | -9  | -5  | -1  | 4   | 7   | 11  | 16  | 19  | 24 | 25 | 27 | 31 | 35 |
|              | AZ:   | 74   | 79  | 84  | 86  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
|              | OBS:  | 3    | 4   | 0   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
|              | DPHI: | 39   | 44  | 48  | 50  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| 82 10 4 11   | AZ:   | 353  | 355 | 355 | 359 | 2   | 2   | 4   | 7   | 9   | 10  | 12  | 15  | 17  | 18  | 20  | 23  | 25  | 26  | 28 | 31 | 34 | 35 | 37 |
| R = 20.0 KM; | OBS:  | 8    | 0   | 6   | 0   | 0   | 0   | 0   | 0   | 5   | 0   | 1   | 0   | 62  | 7   | 7   | 17  | 8   | 8   | 3  | 13 | 0  | 1  | 0  |
| JDGMT: 2     | DPHI: | -42  | -40 | -40 | -36 | -34 | -33 | -31 | -28 | -27 | -25 | -23 | -20 | -18 | -17 | -15 | -13 | -11 | -9  | -7 | -5 | -2 | -1 | 1  |
|              | AZ:   | 38   | 41  | 42  | 45  | 47  | 50  | 50  | 52  | 55  | 57  | 59  | 61  | 62  | 65  | 66  | 69  | 70  | 72  | 74 | 77 | 78 | 81 | 83 |
|              | OBS:  | 0    | 5   | 0   | 0   | 0   | 3   | 0   | 2   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 10  | 4   | 0   | 0  | 1  | 0  | 7  | 0  |
|              | DPHI: | 3    | 6   | 7   | 10  | 12  | 15  | 15  | 17  | 19  | 22  | 24  | 25  | 27  | 30  | 31  | 34  | 35  | 37  | 39 | 42 | 43 | 45 | 47 |
|              | AZ:   | 84   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
|              | OBS:  | 5    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
|              | DPHI: | 49   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| 82 10 4 11   | AZ:   | 349  | 350 | 352 | 354 | 356 | 359 | 1   | 2   | 3   | 6   | 9   | 11  | 12  | 15  | 18  | 20  | 23  | 24  | 26 | 29 | 31 | 32 | 34 |
| R = 30.0 KM; | OBS:  | 5    | 0   | 0   | 11  | 0   | 0   | 7   | 5   | 0   | 4   | 0   | 8   | 2   | 0   | 0   | 0   | 0   | 0   | 2  | 13 | 10 | 10 | 5  |
| JDGMT: 2     | DPHI: | -47  | -45 | -43 | -41 | -39 | -36 | -34 | -33 | -33 | -29 | -26 | -24 | -23 | -20 | -17 | -15 | -13 | -11 | -9 | -7 | -5 | -3 | -2 |
|              | AZ:   | 35   | 38  | 41  | 42  | 44  | 47  | 48  | 50  | 53  | 54  | 56  | 58  | 61  | 62  | 64  | 66  | 69  | 71  | 73 | 77 | 79 | 81 | 83 |
|              | OBS:  | 14   | 0   | 6   | 0   | 10  | 7   | 8   | 7   | 10  | 8   | 1   | 0   | 8   | 10  | 15  | 0   | 10  | 0   | 20 | 10 | 9  | 0  | 1  |
|              | DPHI: | 0    | 3   | 5   | 7   | 9   | 12  | 13  | 15  | 18  | 19  | 21  | 23  | 25  | 27  | 29  | 31  | 33  | 35  | 37 | 41 | 43 | 45 | 48 |
|              | AZ:   | 84   | 89  | 94  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
|              | OBS:  | 0    | 4   | 1   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
|              | DPHI: | 49   | 54  | 59  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| 82 10 4 11   | AZ:   | 351  | 353 | 355 | 357 | 358 | 1   | 3   | 5   | 7   | 8   | 10  | 13  | 14  | 17  | 18  | 23  | 32  | 35  | 37 | 39 | 40 | 43 | 45 |
| R = 40.0 KM; | OBS:  | 1    | 1   | 1   | 2   | 0   | 0   | 0   | 9   | 7   | 3   | 0   | 9   | 11  | 0   | 10  | 0   | 10  | 2   | 6  | 9  | 0  | 1  | 9  |
| JDGMT: 3     | DPHI: | -45  | -43 | -41 | -39 | -37 | -34 | -33 | -31 | -28 | -27 | -25 | -22 | -21 | -18 | -18 | -13 | -4  | 0   | 2  | 4  | 5  | 8  | 9  |
|              | AZ:   | 47   | 48  | 48  | 52  | 54  | 56  | 58  | 63  | 64  | 67  | 68  | 71  | 72  | 75  | 77  | 79  | 81  | 83  | 84 | 86 | 90 | 95 |    |
|              | OBS:  | 0    | 7   | 10  | 10  | 4   | 7   | 2   | 0   | 6   | 3   | 0   | 0   | 8   | 0   | 8   | 6   | 0   | 0   | 0  | 2  | 0  | 2  |    |
|              | DPHI: | 12   | 13  | 13  | 17  | 19  | 21  | 23  | 27  | 29  | 31  | 33  | 35  | 37  | 40  | 41  | 44  | 46  | 47  | 49 | 51 | 55 | 60 |    |
| 82 10 4 11   | AZ:   | 350  | 354 | 357 | 3   | 6   | 9   | 16  | 19  | 23  | 25  | 31  | 34  | 40  | 43  | 46  | 55  | 58  | 62  | 66 | 71 | 74 | 79 | 83 |
| R = 50.0 KM; | OBS:  | 0    | 10  | 0   | 0   | 0   | 0   | 6   | 6   | 12  | 5   | 6   | 8   | 10  | 13  | 13  | 3   | 9   | 0   | 5  | 2  | 7  | 0  | 7  |
| JDGMT: 3     | DPHI: | -45  | -41 | -38 | -32 | -29 | -26 | -19 | -17 | -13 | -10 | -5  | -1  | 5   | 7   | 10  | 20  | 23  | 27  | 31 | 36 | 39 | 43 | 47 |
|              | AZ:   | 87   | 90  | 94  | 99  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
|              | OBS:  | 3    | 3   | 5   | 7   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
|              | DPHI: | 52   | 55  | 59  | 64  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| 82 10 4 12   | AZ:   | 1    | 54  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| R = 0.5 KM;  | OBS:  | 7    | 43  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |
| JDGMT: 0     | DPHI: | -41  | 11  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |

82 10 4 12 AZ: 225  
R = 2.0 KM; OBS: 0  
JDGMT: 0 DPHI: -177

82 10 4 12 AZ: 278 59  
R = 3.0 KM; OBS: 0 4  
JDGMT: 0 DPHI: -124 16

82 10 4 12 AZ: 244  
R = 7.0 KM; OBS: 0  
JDGMT: 0 DPHI: -158

82 10 4 12 AZ: 233 350 354 358 2 6 10 14 19 22 26 31 34 39 43 47 51 55 59 60 63 66 71  
R = 10.0 KM; OBS: 8 1 9 8 9 0 10 5 9 2 1 0 0 7 0 10 2 6 1 4 13 10 10  
JDGMT: 2 DPHI: -169 -52 -49 -44 -40 -37 -33 -28 -24 -21 -16 -12 -9 -3 0 4 8 12 16 18 20 23 28

AZ: 74 79 84 86  
OBS: 14 0 5 0  
DPHI: 32 37 41 43

82 10 4 12 AZ: 353 355 355 359 2 2 4 7 9 10 12 15 17 18 20 23 25 26 31 34 35 37 38  
R = 20.0 KM; OBS: 6 0 3 1 0 5 0 0 10 2 0 9 1 9 0 1 7 6 8 7 8 8 10  
JDGMT: 3 DPHI: -49 -48 -47 -43 -41 -41 -38 -35 -34 -33 -30 -27 -25 -24 -22 -20 -18 -16 -12 -9 -8 -6 -5

AZ: 41 42 45 47 50 50 52 55 57 59 61 62 65 66 69 70 72 74 77 78 81 83 84  
OBS: 0 0 4 10 0 0 13 0 10 0 0 8 3 0 10 9 2 1 0 8 6 4 10  
DPHI: -1 0 3 4 7 8 10 12 15 17 18 20 22 24 27 27 30 32 34 36 38 40 42

82 10 4 12 AZ: 349 350 352 354 356 359 1 2 3 6 9 11 12 15 18 20 23 24 26 29 31 32 34  
R = 30.0 KM; OBS: 5 11 0 0 9 2 0 3 0 10 0 9 0 0 0 9 9 0 7 9 2 1 8  
JDGMT: 3 DPHI: -54 -52 -50 -49 -46 -43 -42 -40 -40 -36 -34 -32 -30 -28 -24 -22 -20 -18 -17 -14 -12 -10 -9

AZ: 35 38 41 42 44 47 48 50 53 54 56 58 61 62 64 66 69 71 73 77 79 81 83  
OBS: 9 2 14 5 2 0 10 0 2 9 10 0 9 4 1 0 10 6 12 10 4 0 14  
DPHI: -8 -4 -2 0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 34 36 38 40

AZ: 84 89 94  
OBS: 10 7 4  
DPHI: 42 46 52

82 10 4 12 AZ: 351 353 355 357 358 1 3 5 7 8 10 13 14 17 18 23 32 35 37 39 40 43 45  
R = 40.0 KM; OBS: 10 0 0 3 0 0 7 2 10 0 0 0 8 10 0 8 0 0 15 8 1 13 15  
JDGMT: 3 DPHI: -52 -50 -48 -46 -44 -41 -40 -38 -36 -34 -32 -29 -28 -26 -25 -20 -11 -7 -5 -4 -2 1 2

AZ: 47 48 48 52 54 56 58 63 64 67 68 71 72 75 77 79 81 83 84 86 90 95  
OBS: 10 5 0 10 12 0 0 0 9 0 2 1 10 9 4 6 0 7 9 6 0 9  
DPHI: 4 6 6 10 12 14 15 20 22 24 26 28 30 32 34 37 38 40 42 44 48 52

82 10 4 12 AZ: 350 354 357 3 6 9 16 19 23 25 31 34 40 43 46 55 58 62 66 71 74 79 83  
R = 50.0 KM; OBS: 1 9 4 10 0 7 4 13 0 0 5 12 1 10 10 8 5 0 3 4 0 0 10  
JDGMT: 3 DPHI: -52 -48 -45 -39 -36 -33 -26 -24 -20 -17 -12 -8 -3 0 3 12 16 20 24 28 32 36 40

AZ: 87 90 94 99  
OBS: 10 5 3 4  
DPHI: 44 48 52 56

82 10 4 13 AZ: 1 54  
R = 0.5 KM; OBS: 21 10  
JDGMT: 0 DPHI: -38 14

82 10 4 13 AZ: 225  
R = 2.0 KM; OBS: 22  
JDGMT: 0 DPHI: -174

82 10 4 13 AZ: 278 59  
R = 3.0 KM; OBS: 5 13  
JDGMT: 0 DPHI: -121 19

82 10 4 13 AZ: 244  
R = 7.0 KM; OBS: 9  
JDGMT: 0 DPHI: -155

82 10 4 13 AZ: 233 350 354 358 2 6 10 14 19 22 26 31 34 39 43 47 51 55 59 60 63 66 71  
R = 10.0 KM; OBS: 3 20 42 85 121 161 154 149 21 33 26 10 0 19 3 10 79 19 35 12 31 2 26  
JDGMT: 2 DPHI: -166 -49 -46 -41 -37 -34 -29 -25 -21 -17 -13 -9 -5 0 3 7 12 15 19 21 23 26 31

AZ: 74 79 84 86  
OBS: 50 28 40 20  
DPHI: 35 40 44 46

82 10 4 13 AZ: 353 355 355 359 2 2 4 7 9 10 12 15 17 18 20 23 25 26 28 31 34 35 37  
R = 20.0 KM; OBS: 0 8 3 0 0 0 8 0 2 12 10 50 6 73 67 170 195 229 195 90 46 43 37  
JDGMT: 3 DPHI: -46 -45 -44 -40 -38 -37 -35 -32 -31 -30 -27 -24 -22 -21 -19 -17 -15 -13 -11 -9 -6 -5 -3

AZ: 38 41 42 45 47 50 50 52 55 57 59 61 62 65 66 69 70 72 74 77 78 81 83  
OBS: 22 37 32 2 41 60 10 26 3 50 52 43 33 57 53 73 63 46 30 38 52 10 15  
DPHI: -2 2 3 6 7 11 11 13 15 18 20 21 23 26 27 30 30 33 35 37 39 41 43

AZ: 84  
OBS: 7  
DPHI: 45

82 10 4 13 AZ: 349 350 352 354 356 359 1 2 3 6 9 11 12 15 18 20 23 24 26 29 31 32 34  
R = 30.0 KM; OBS: 7 3 5 7 6 1 14 0 10 4 1 0 4 3 6 20 10 0 2 21 113 94 189  
JDGMT: 3 DPHI: -51 -49 -47 -46 -43 -40 -39 -37 -37 -33 -31 -28 -27 -25 -21 -19 -17 -15 -14 -11 -9 -7 -6

AZ: 35 38 41 42 44 47 48 50 53 54 56 58 61 62 64 66 69 71 73 77 79 81 83  
OBS: 244 159 63 39 38 72 58 74 47 57 52 60 72 46 49 20 25 10 18 15 24 23 13  
DPHI: -5 -1 1 3 5 8 9 11 14 15 17 19 21 23 25 27 29 31 33 37 39 41 43

AZ: 84 89 94  
OBS: 0 7 4  
DPHI: 45 49 55

|              |       |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 82 10 4 13   | AZ:   | 351  | 353  | 355  | 357  | 358  | 1    | 3    | 5    | 7    | 8    | 10  | 13  | 14  | 17  | 18  | 23  | 32  | 35  | 37  | 39  | 40  | 43  | 45  |
| R = 40.0 KM; | OBS:  | 7    | 12   | 0    | 0    | 0    | 0    | 0    | 8    | 2    | 6    | 8   | 0   | 3   | 2   | 12  | 0   | 0   | 9   | 6   | 7   | 100 | 55  | 39  |
| JDGMT: 3     | DPHI: | -49  | -47  | -45  | -43  | -41  | -38  | -37  | -35  | -33  | -31  | -29 | -26 | -25 | -23 | -22 | -17 | -8  | -4  | -2  | 0   | 1   | 4   | 5   |
|              | AZ:   | 47   | 48   | 48   | 52   | 54   | 56   | 58   | 63   | 64   | 67   | 68  | 71  | 72  | 75  | 77  | 79  | 81  | 83  | 84  | 86  | 90  | 95  |     |
|              | OBS:  | 33   | 42   | 49   | 44   | 49   | 55   | 43   | 0    | 1    | 28   | 0   | 10  | 9   | 3   | 10  | 0   | 0   | 12  | 34  | 13  | 52  | 53  |     |
|              | DPHI: | 7    | 9    | 9    | 13   | 15   | 17   | 18   | 23   | 25   | 27   | 29  | 31  | 33  | 35  | 37  | 40  | 41  | 43  | 45  | 47  | 51  | 55  |     |
| 82 10 4 13   | AZ:   | 350  | 354  | 357  | 3    | 6    | 9    | 16   | 19   | 25   | 31   | 34  | 40  | 43  | 46  | 55  | 58  | 62  | 66  | 71  | 74  | 79  | 83  | 87  |
| R = 50.0 KM; | OBS:  | 0    | 2    | 10   | 5    | 8    | 5    | 0    | 0    | 1    | 0    | 6   | 4   | 6   | 11  | 3   | 26  | 9   | 10  | 0   | 0   | 2   | 10  | 17  |
| JDGMT: 3     | DPHI: | -49  | -45  | -42  | -36  | -33  | -30  | -23  | -21  | -14  | -9   | -5  | 0   | 3   | 6   | 15  | 19  | 23  | 27  | 32  | 35  | 39  | 43  | 47  |
|              | AZ:   | 90   | 94   | 99   |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 6    | 2    | 0    |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 51   | 55   | 59   |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 5 12   | AZ:   | 195  | 204  | 205  | 211  | 220  | 227  | 235  | 243  | 252  | 260  | 268 | 277 | 283 | 291 | 304 | 310 | 318 | 326 | 335 | 342 | 350 | 1   | 8   |
| R = 0.5 KM;  | OBS:  | 0    | 11   | 37   | 10   | 15   | 0    | 9    | 8    | 42   | 12   | 9   | 21  | 20  | 6   | 9   | 32  | 13  | 35  | 9   | 0   | 29  | 0   | 24  |
| JDGMT: 2     | DPHI: | -167 | -158 | -157 | -151 | -142 | -135 | -127 | -119 | -110 | -102 | -94 | -85 | -79 | -71 | -58 | -52 | -44 | -36 | -27 | -20 | -12 | -1  | 6   |
|              | AZ:   | 16   | 23   | 23   | 30   | 42   | 47   | 54   | 62   | 71   | 78   | 86  | 87  | 94  | 101 | 110 | 113 | 118 | 125 | 134 | 141 | 150 | 157 | 165 |
|              | OBS:  | 17   | 26   | 27   | 1    | 28   | 9    | 9    | 13   | 0    | 11   | 0   | 9   | 12  | 9   | 0   | 28  | 22  | 0   | 0   | 0   | 7   | 19  | 5   |
|              | DPHI: | 14   | 21   | 21   | 28   | 40   | 45   | 52   | 60   | 69   | 76   | 84  | 85  | 92  | 99  | 108 | 111 | 116 | 123 | 132 | 139 | 148 | 155 | 163 |
|              | AZ:   | 173  | 180  | 182  | 187  |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 8    | 7    | 9    | 14   |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 171  | 178  | 180  | 185  |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 5 12   | AZ:   | 191  | 207  | 213  | 221  | 228  | 238  | 246  | 252  | 262  | 268  | 275 | 285 | 289 | 305 | 309 | 317 | 325 | 333 | 343 | 349 | 358 | 6   | 10  |
| R = 2.0 KM;  | OBS:  | 10   | 4    | 9    | 0    | 0    | 20   | 10   | 15   | 22   | 25   | 47  | 8   | 52  | 9   | 9   | 18  | 11  | 9   | 9   | 20  | 8   | 11  | 14  |
| JDGMT: 3     | DPHI: | -171 | -155 | -149 | -141 | -134 | -124 | -116 | -110 | -100 | -94  | -87 | -77 | -73 | -57 | -53 | -45 | -37 | -29 | -19 | -13 | -4  | 4   | 8   |
|              | AZ:   | 33   | 38   | 42   | 46   | 49   | 54   | 58   | 62   | 70   | 94   | 102 | 110 | 117 | 126 | 134 | 142 | 149 | 158 | 166 | 174 | 183 |     |     |
|              | OBS:  | 19   | 9    | 9    | 8    | 9    | 1    | 0    | 0    | 9    | 9    | 14  | 15  | 17  | 10  | 8   | 12  | 17  | 9   | 14  | 19  | 19  |     |     |
|              | DPHI: | 32   | 36   | 40   | 44   | 47   | 52   | 56   | 60   | 68   | 92   | 100 | 108 | 115 | 124 | 132 | 140 | 147 | 156 | 164 | 172 | 181 |     |     |
| 82 10 5 12   | AZ:   | 42   | 59   | 59   | 59   | 59   | 59   | 59   | 59   | 59   | 61   | 61  |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 3.0 KM;  | OBS:  | 9    | 0    | 14   | 11   | 9    | 0    | 0    | 0    | 8    | 9    | 0   |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 3     | DPHI: | 40   | 57   | 57   | 57   | 57   | 57   | 57   | 57   | 57   | 59   | 59  |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 5 12   | AZ:   | 190  | 199  | 206  | 214  | 221  | 230  | 254  | 259  | 271  | 279  | 287 | 294 | 303 | 310 | 318 | 326 | 334 | 342 | 351 | 0   | 7   | 10  | 14  |
| R = 5.0 KM;  | OBS:  | 16   | 9    | 1    | 13   | 9    | 0    | 22   | 15   | 9    | 0    | 9   | 9   | 32  | 34  | 9   | 22  | 19  | 15  | 47  | 22  | 9   | 9   | 84  |
| JDGMT: 3     | DPHI: | -172 | -163 | -156 | -148 | -141 | -132 | -108 | -103 | -91  | -83  | -75 | -68 | -59 | -52 | -44 | -36 | -28 | -20 | -11 | -2  | 5   | 8   | 12  |
|              | AZ:   | 18   | 22   | 26   | 30   | 34   | 38   | 42   | 46   | 50   | 54   | 58  | 62  | 66  | 70  | 78  | 86  | 95  | 103 | 110 | 118 | 126 | 135 | 141 |
|              | OBS:  | 9    | 9    | 9    | 9    | 0    | 0    | 9    | 8    | 18   | 17   | 0   | 12  | 12  | 12  | 0   | 9   | 9   | 9   | 9   | 10  | 13  | 7   | 9   |
|              | DPHI: | 16   | 20   | 24   | 28   | 32   | 36   | 40   | 44   | 48   | 52   | 56  | 60  | 64  | 68  | 76  | 84  | 93  | 101 | 108 | 116 | 124 | 133 | 139 |
|              | AZ:   | 151  | 158  | 166  | 174  | 182  |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 13   | 11   | 0    | 13   | 6    |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 149  | 156  | 164  | 172  | 180  |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |

82 10 5 12 AZ: 233 270  
R = 7.0 KM; OBS: 24 8  
JDGMT: 0 DPHI: -129 -92

82 10 5 12 AZ: 190 197 206 214 221 233 239 246 254 263 270 278 286 293 302 310 318 325 334 343 350 358 6  
R = 10.0 KM; OBS: 19 9 0 14 9 14 0 0 9 9 9 28 0 0 9 9 40 9 56 26 27 9 9  
JDGMT: 3 DPHI: -172 -165 -156 -148 -141 -129 -123 -116 -108 -99 -92 -84 -76 -69 -60 -52 -44 -37 -28 -19 -12 -4 4

AZ: 14 22 26 31 34 39 43 47 51 55 59 63 71 79 86 94 103 110 117 126 136 142 151  
OBS: 0 9 9 10 21 9 2 13 10 9 0 84 9 16 12 9 9 10 9 9 9 9 0  
DPHI: 12 20 24 29 32 37 41 45 49 53 57 61 69 77 84 92 101 108 115 124 134 140 149

AZ: 159 166 175 182  
OBS: 10 2 4 0  
DPHI: 157 164 173 180

82 10 5 13 AZ: 220 227 235 243 252 260 268 277 283 291 304 310 318 326 335 342 350 1 8 16 23 23 30  
R = 0.5 KM; OBS: 3 10 0 11 10 9 6 6 9 0 15 9 18 4 0 21 18 7 4 6 34 20 7  
JDGMT: 3 DPHI: -177 -170 -162 -154 -144 -136 -129 -120 -114 -105 -93 -86 -79 -71 -62 -54 -47 -36 -29 -20 -14 -14 -6

AZ: 42 47 54 62 71 78 86 87 94 101 110 113 118 125 134 141 150 157 165 173 180 182 187  
OBS: 15 13 9 14 9 12 12 8 10 17 9 9 12 0 11 0 8 10 10 10 10 0 4  
DPHI: 5 10 18 25 34 41 49 50 57 64 73 76 81 88 97 104 113 120 128 136 143 145 151

AZ: 195 204 205 211  
OBS: 0 15 21 21  
DPHI: 159 167 168 175

82 10 5 13 AZ: 221 228 238 246 252 262 268 275 285 289 305 309 317 325 333 343 349 358 6 10 33 38 42  
R = 2.0 KM; OBS: 9 12 12 7 0 11 10 14 9 10 13 26 21 9 31 22 9 25 9 47 45 33 21  
JDGMT: 3 DPHI: -176 -168 -159 -151 -144 -135 -129 -121 -111 -108 -92 -88 -79 -71 -64 -54 -47 -39 -31 -27 -3 2 5

AZ: 46 49 54 58 62 70 94 102 110 117 126 134 142 149 158 166 174 183 191 207 213  
OBS: 48 54 33 9 9 0 10 10 14 4 4 17 9 5 15 9 9 27 0 8 10  
DPHI: 9 12 17 21 25 33 57 65 73 81 89 97 105 112 121 129 137 146 154 170 176

82 10 5 13 AZ: 42 59 59 59 59 59 59 59 59 61 61  
R = 3.0 KM; OBS: 17 56 35 11 52 53 7 0 63 45 30  
JDGMT: 3 DPHI: 5 22 22 22 22 22 22 22 22 24 24

82 10 5 13 AZ: 221 230 251 254 259 271 279 287 294 303 310 318 326 334 342 351 0 7 10 14 18 22 26  
R = 5.0 KM; OBS: 14 0 11 25 10 0 20 11 9 35 22 0 12 17 9 48 15 10 49 54 21 9 25  
JDGMT: 3 DPHI: -176 -167 -146 -143 -138 -126 -118 -110 -103 -94 -87 -79 -71 -63 -55 -46 -37 -30 -27 -23 -19 -15 -10

AZ: 30 34 38 42 46 50 54 58 62 66 70 78 86 95 103 110 118 126 135 141 151 158 166  
OBS: 21 16 40 58 152 80 92 25 51 9 3 8 8 3 3 9 4 9 11 0 9 10 0  
DPHI: -7 -3 1 5 9 13 18 21 25 30 33 42 49 58 66 73 81 89 98 104 114 121 129

AZ: 174 182 190 199 206 214  
OBS: 10 13 18 11 11 18  
DPHI: 137 145 153 162 169 177

82 10 5 13 AZ: 233 270  
R = 7.0 KM; OBS: 0 10  
JDGMT: 0 DPHI: -164 -127

82 10 5 13 AZ: 221 233 239 246 254 263 270 278 286 293 302 310 318 325 334 343 350 358 6 14 22 26 31  
R = 10.0 KM; OBS: 10 1 15 11 36 17 6 12 10 0 9 71 9 9 25 8 21 9 9 9 12 9 21  
JDGMT: 3 DPHI: -176 -164 -158 -151 -143 -134 -127 -119 -111 -103 -95 -87 -79 -72 -63 -54 -47 -39 -31 -23 -15 -10 -6

AZ: 34 39 43 47 51 55 59 63 71 79 86 94 103 110 117 126 136 142 151 159 166 175 182  
OBS: 34 53 38 63 76 61 58 54 76 9 0 0 9 0 9 8 7 0 7 17 9 15 0  
DPHI: -3 2 6 10 14 18 22 26 34 42 49 57 66 73 81 90 99 106 114 122 129 138 145

AZ: 190 197 206 214  
OBS: 13 9 9 0  
DPHI: 153 160 169 177

82 10 5 14 AZ: 220 227 235 243 252 260 268 277 283 291 304 310 318 326 335 342 350 1 8 16 23 23 30  
R = 0.5 KM; OBS: 10 13 0 0 9 0 0 8 9 14 6 6 17 9 10 36 54 13 14 21 20 0 46  
JDGMT: 3 DPHI: -176 -169 -161 -153 -144 -136 -128 -119 -113 -105 -92 -86 -78 -70 -62 -54 -46 -35 -28 -20 -14 -13 -6

AZ: 42 47 54 62 71 78 86 87 94 101 110 113 118 125 134 141 150 157 165 173 180 182 187  
OBS: 11 34 24 7 0 9 7 15 13 15 6 10 9 0 11 0 0 10 12 8 15 0 9  
DPHI: 6 11 18 26 35 42 50 51 58 65 74 77 82 89 98 105 113 121 129 137 144 146 151

AZ: 195 204 205 211  
OBS: 0 9 13 14  
DPHI: 159 168 169 175

82 10 5 14 AZ: 221 228 238 246 252 262 268 275 285 289 305 309 317 325 333 343 349 358 6 10 33 38 42  
R = 2.0 KM; OBS: 1 0 8 0 3 10 21 12 16 37 15 15 11 9 9 8 2 43 44 88 177 128 87  
JDGMT: 3 DPHI: -175 -168 -158 -150 -144 -134 -128 -121 -111 -107 -91 -87 -79 -71 -63 -53 -47 -38 -30 -26 -3 2 6

AZ: 46 49 54 58 62 70 94 102 110 117 126 134 142 149 158 166 174 183 191 207 213  
OBS: 76 65 53 49 34 9 12 0 10 0 14 1 15 10 13 17 8 18 12 12 13  
DPHI: 10 13 18 22 25 34 58 66 73 81 90 98 106 113 122 130 138 147 155 171 177

82 10 5 14 AZ: 42 59 59 59 59 59 59 59 59 61 61  
R = 3.0 KM; OBS: 2 26 15 14 28 24 30 0 38 12 19  
JDGMT: 3 DPHI: 6 23 23 23 23 23 23 23 23 25 25

82 10 5 14 AZ: 221 230 251 254 259 271 279 287 294 303 310 318 326 334 342 351 0 7 10 14 18 22 26  
R = 5.0 KM; OBS: 0 10 9 14 8 0 17 9 9 9 3 2 49 41 69 63 73 99 114 101 103 65 335  
JDGMT: 3 DPHI: -175 -166 -145 -142 -137 -125 -117 -109 -102 -93 -86 -78 -70 -62 -54 -45 -36 -29 -26 -22 -18 -14 -10

AZ: 30 34 38 42 46 50 54 58 62 66 70 78 86 95 103 110 118 126 135 141 151 158 166  
OBS: 333 244 161 185 120 118 62 52 56 48 1 0 0 0 0 9 9 20 8 10 8 9 9  
DPHI: -6 -2 2 6 10 14 18 22 26 30 34 42 50 59 67 74 82 90 99 105 115 122 130

AZ: 174 182 190 199 206 214  
OBS: 9 9 9 6 9 9  
DPHI: 138 146 154 163 170 178

82 10 5 14 AZ: 233 270  
R = 7.0 KM; OBS: 0 0  
JDGMT: 0 DPHI: -163 -126

82 10 5 14 AZ: 221 233 239 246 254 263 270 278 286 293 302 310 318 325 334 343 350 358 6 14 22 26 31  
R = 10.0 KM; OBS: 0 10 10 12 21 29 31 16 9 12 17 10 40 13 23 15 21 36 13 6 24 34 28  
JDGMT: 3 DPHI: -175 -163 -157 -150 -142 -133 -126 -118 -110 -103 -94 -86 -78 -71 -62 -53 -46 -38 -31 -22 -14 -10 -5

AZ: 34 39 43 47 51 55 59 63 71 79 86 94 103 110 117 126 136 142 151 159 166 175 182  
OBS: 50 111 170 183 248 246 256 198 72 15 0 9 8 8 0 17 14 12 9 14 10 9 0  
DPHI: -2 3 6 11 15 18 23 27 35 43 50 58 67 74 81 90 100 106 115 122 130 139 146

AZ: 190 197 206 214  
OBS: 12 9 9 0  
DPHI: 154 161 170 178

82 10 5 15 AZ: 187 195 204 205 211 220 227 235 243 252 260 268 277 283 291 304 310 318 326 335 342 350 1  
R = 0.5 KM; OBS: 2 0 0 21 9 9 9 0 7 15 9 9 7 5 9 9 9 12 16 12 22 28 0  
JDGMT: 3 DPHI: -172 -164 -156 -155 -148 -140 -133 -125 -117 -107 -99 -91 -83 -77 -68 -56 -49 -42 -34 -25 -17 -10 1

AZ: 8 16 23 23 30 42 47 54 62 71 78 86 87 94 101 110 113 118 125 134 141 150 157  
OBS: 0 46 22 10 9 9 9 26 0 0 16 10 7 20 12 10 0 7 7 8 0 10 1  
DPHI: 8 17 23 23 31 42 47 55 62 71 78 86 87 94 101 110 113 118 125 134 141 150 157

AZ: 165 173 180 182  
OBS: 10 7 0 3  
DPHI: 165 173 180 182

82 10 5 15 AZ: 191 207 213 221 228 238 246 252 262 268 275 285 289 305 309 317 325 333 343 349 358 6 10  
R = 2.0 KM; OBS: 0 13 9 0 12 9 15 0 9 11 13 36 51 48 83 50 171 207 245 224 171 110 84  
JDGMT: 3 DPHI: -169 -153 -147 -139 -131 -122 -114 -107 -98 -92 -84 -74 -71 -55 -51 -42 -34 -27 -17 -10 -2 6 10

AZ: 33 38 42 46 49 54 58 62 70 94 102 110 117 126 134 142 149 158 166 174 183  
OBS: 30 9 9 9 9 9 9 9 6 13 0 10 10 12 9 28 0 9 1 13 14  
DPHI: 34 39 42 46 49 54 58 62 70 94 102 110 118 126 134 142 149 158 166 174 183

82 10 5 15 AZ: 42 59 59 59 59 59 59 59 59 61 61  
R = 3.0 KM; OBS: 119 0 0 9 11 0 0 5 13 0 9  
JDGMT: 2 DPHI: 42 59 59 59 59 59 59 59 59 61 61

82 10 5 15 AZ: 190 199 206 214 221 230 251 254 259 271 279 287 294 303 310 318 326 334 342 351 0 7 10  
R = 5.0 KM; OBS: 9 9 6 0 0 0 10 9 9 7 16 21 9 51 89 256 291 171 152 168 137 95 154  
JDGMT: 3 DPHI: -170 -161 -153 -146 -139 -130 -109 -106 -101 -89 -81 -73 -66 -57 -50 -42 -34 -26 -18 -9 0 7 10

AZ: 14 18 22 26 30 34 38 42 46 50 54 58 62 66 70 78 86 95 103 110 118 126 135  
OBS: 127 122 153 73 80 9 9 13 9 10 18 0 3 9 9 4 7 0 9 1 0 23 0  
DPHI: 14 18 22 27 30 35 38 42 46 50 55 58 63 67 70 79 86 95 103 110 118 126 135

AZ: 141 151 158 166 174 182  
OBS: 0 0 25 16 11 15  
DPHI: 141 151 158 166 174 182



82 10 5 15 AZ: 233 270  
R = 7.0 KM; OBS: 0 19  
JDGMT: 0 DPHI: -127 -90

82 10 5 15 AZ: 190 197 206 214 221 233 239 246 254 263 270 278 286 293 302 310 318 325 334 343 350 358 6  
R = 10.0 KM; OBS: 0 14 2 0 0 9 9 10 13 25 17 9 9 9 18 45 109 162 136 102 108 152 3  
JDGMT: 3 DPHI: -170 -163 -154 -146 -139 -127 -121 -114 -106 -97 -90 -82 -74 -66 -58 -50 -42 -35 -26 -17 -10 -2 6

AZ: 14 22 26 31 34 39 43 47 51 55 59 63 71 79 86 94 103 110 117 126 136 142 151  
OBS: 70 165 171 165 145 15 124 138 100 62 39 32 0 3 0 9 12 0 7 5 1 9 9  
DPHI: 14 22 27 31 34 39 43 47 51 55 59 63 71 79 86 94 103 110 118 127 136 143 151

AZ: 159 166 175 182  
OBS: 9 9 17 10  
DPHI: 159 167 175 182

82 10 5 16 AZ: 173 180 182 187 195 204 205 211 220 227 235 243 252 260 268 277 283 291 304 310 318 326 335  
R = 0.5 KM; OBS: 9 11 9 10 10 0 8 13 17 8 9 0 11 8 9 12 9 10 9 20 9 9 13  
JDGMT: 3 DPHI: -175 -169 -166 -161 -153 -144 -143 -137 -129 -121 -113 -105 -96 -88 -80 -71 -65 -57 -44 -38 -30 -22 -14

AZ: 342 350 1 8 16 23 23 30 42 47 54 62 71 78 86 87 94 101 110 113 118 125 134  
OBS: 11 17 13 0 31 22 66 0 33 1 1 0 0 12 8 9 8 10 0 15 9 0 0  
DPHI: -6 2 13 20 28 34 35 42 54 59 66 74 83 90 98 99 106 113 122 125 130 137 146

AZ: 141 150 157 165  
OBS: 0 16 9 9  
DPHI: 153 161 169 176

82 10 5 16 AZ: 174 183 191 207 213 221 228 238 246 252 262 268 275 285 289 305 309 317 325 333 343 349 358  
R = 2.0 KM; OBS: 2 10 1 6 1 1 24 21 15 28 20 11 21 29 9 118 9 19 37 113 206 197 213  
JDGMT: 3 DPHI: -174 -165 -157 -141 -135 -127 -120 -111 -102 -96 -87 -80 -73 -63 -59 -43 -39 -31 -23 -15 -6 1 10

AZ: 6 10 33 38 42 46 49 54 58 62 70 94 102 110 117 126 134 142 149 158 166  
OBS: 186 82 9 9 24 0 3 0 9 0 9 12 0 14 0 11 8 7 9 0 8  
DPHI: 18 21 45 50 54 58 61 66 70 73 82 106 113 121 129 138 146 154 161 170 178

82 10 5 16 AZ: 42 59 59 59 59 59 59 59 59 61 61  
R = 3.0 KM; OBS: 138 0 4 5 9 11 0 15 8 0 0  
JDGMT: 2 DPHI: 54 71 71 71 71 71 71 71 71 72 72

82 10 5 16 AZ: 174 182 190 199 206 214 221 230 251 254 259 271 279 287 294 303 310 318 326 334 342 351 0  
R = 5.0 KM; OBS: 7 14 12 9 10 9 9 9 13 14 9 9 9 9 0 41 36 132 286 268 248 166 67  
JDGMT: 3 DPHI: -174 -166 -158 -150 -142 -134 -127 -118 -97 -94 -90 -77 -69 -62 -54 -46 -38 -30 -22 -14 -6 3 12

AZ: 7 10 14 18 22 26 30 34 38 42 46 50 54 58 62 66 70 78 86 95 103 110 118  
OBS: 9 50 118 48 7 8 9 9 9 9 0 9 9 9 14 4 9 0 9 0 10 4 14  
DPHI: 19 22 26 30 34 38 42 46 50 54 58 62 66 70 74 78 82 90 98 107 115 122 130

AZ: 126 135 141 151 158 166  
OBS: 15 13 9 15 5 9  
DPHI: 138 147 153 162 170 178

82 10 5 16 AZ: 233 270  
R = 7.0 KM; OBS: 0 5  
JDGMT: 0 DPHI: -116 -78

82 10 5 16 AZ: 175 182 190 197 214 221 233 239 246 254 263 270 278 286 293 302 310 318 325 334 343 350 358  
R = 10.0 KM; OBS: 16 9 8 9 13 10 8 9 0 8 4 9 7 9 9 13 46 140 233 264 155 105 82  
JDGMT: 3 DPHI: -174 -166 -158 -151 -134 -127 -115 -109 -102 -94 -86 -78 -70 -62 -55 -47 -38 -30 -23 -14 -6 2 10

AZ: 6 14 22 26 31 34 43 47 51 55 59 63 71 79 86 94 103 110 117 126 136 142 151  
OBS: 0 169 95 69 100 57 28 53 9 14 10 14 19 0 0 12 9 8 9 10 9 9 0  
DPHI: 17 26 34 38 43 46 54 59 63 66 71 74 83 91 97 106 115 122 129 138 148 154 162

AZ: 159 166  
OBS: 7 10  
DPHI: 170 178

82 10 5 17 AZ: 165 173 180 182 187 195 204 205 211 220 227 235 243 252 260 268 277 283 291 304 310 318 326  
R = 0.5 KM; OBS: 15 10 8 0 5 10 0 9 21 29 16 7 0 8 0 9 9 14 9 15 0 9 9  
JDGMT: 2 DPHI: -166 -158 -151 -149 -143 -135 -127 -126 -119 -111 -104 -96 -88 -78 -70 -62 -54 -48 -39 -26 -20 -12 -5

AZ: 335 342 350 1 8 16 23 23 30 42 47 54 62 71 78 86 87 94 101 110 113 118 125  
OBS: 9 18 0 9 9 9 8 15 6 7 9 4 1 3 8 18 13 9 6 0 0 17 2  
DPHI: 4 12 19 30 37 46 52 52 60 71 76 84 91 100 108 116 117 123 130 139 142 147 154

AZ: 134 141 150 157  
OBS: 0 0 2 8  
DPHI: 163 171 179 186

82 10 5 17 AZ: 158 166 174 183 191 207 213 221 228 238 246 252 262 268 275 285 289 305 309 317 325 333 343  
R = 2.0 KM; OBS: 14 15 5 7 0 12 5 4 10 15 8 12 40 15 43 49 45 179 86 66 63 84 64  
JDGMT: 3 DPHI: -172 -165 -156 -148 -140 -124 -117 -110 -102 -93 -85 -78 -69 -62 -55 -45 -41 -25 -22 -13 -5 3 12

AZ: 349 358 6 10 33 38 42 46 49 54 58 62 70 94 102 110 117 126 134 142 149  
OBS: 74 17 24 22 9 14 9 10 9 0 9 11 10 2 0 0 15 9 13 3 0  
DPHI: 19 27 35 39 63 68 71 75 78 83 87 91 100 124 131 139 147 155 163 171 178

82 10 5 17 AZ: 42 59 59 59 59 59 59 59 59 61 61  
R = 3.0 KM; OBS: 9 6 18 6 10 8 12 10 0 0 9  
JDGMT: 3 DPHI: 72 88 88 88 88 88 88 88 88 90 90

82 10 5 17 AZ: 158 166 174 182 190 199 206 214 221 230 251 254 259 271 279 287 294 303 310 318 326 334 342  
R = 5.0 KM; OBS: 6 0 15 10 12 20 20 10 11 9 9 7 10 14 9 17 77 146 203 235 222 267 265  
JDGMT: 3 DPHI: -173 -164 -157 -148 -141 -132 -124 -117 -109 -101 -79 -77 -72 -60 -52 -44 -37 -28 -21 -12 -5 3 11

AZ: 351 0 7 10 14 18 22 26 30 34 38 42 46 50 54 58 62 66 70 78 86 95 103  
OBS: 148 34 21 40 13 35 13 0 8 4 10 9 0 9 12 9 10 9 14 4 9 0 6  
DPHI: 20 30 37 39 43 47 51 56 59 64 67 71 75 79 84 88 92 96 100 108 115 124 132

AZ: 110 118 126 135 141 151  
OBS: 0 0 3 9 0 9  
DPHI: 139 147 156 165 171 180

82 10 5 17 AZ: 233 270  
R = 7.0 KM; OBS: 0 0  
JDGMT: 0 DPHI: -98 -61

82 10 5 17 AZ: 159 166 175 182 190 197 206 214 221 239 246 254 263 270 278 286 293 302 310 318 325 334 343  
R = 10.0 KM; OBS: 10 0 12 8 5 29 6 15 16 0 0 9 9 8 9 0 9 32 12 118 172 270 97  
JDGMT: 3 DPHI: -172 -164 -156 -149 -140 -133 -124 -116 -109 -92 -85 -77 -68 -61 -53 -45 -37 -29 -21 -13 -6 4 12

AZ: 350 358 6 14 22 26 31 34 39 47 51 55 59 63 71 79 86 94 103 110 117 126 136  
OBS: 62 70 3 9 12 9 41 48 13 10 16 57 0 19 39 9 10 0 17 9 2 17 8  
DPHI: 19 28 35 44 51 56 60 63 69 76 80 84 88 92 100 108 115 124 132 139 147 156 165

AZ: 142 151  
OBS: 0 9  
DPHI: 172 180

82 10 5 18 AZ: 157 165 173 180 182 187 195 204 205 211 220 227 235 243 252 260 268 277 283 291 304 310 318  
R = 0.5 KM; OBS: 1 10 10 10 11 2 0 9 0 9 11 15 11 0 11 0 0 0 13 7 21 9 17  
JDGMT: 3 DPHI: -170 -163 -155 -148 -145 -140 -132 -123 -122 -116 -108 -100 -92 -84 -75 -67 -59 -50 -45 -36 -23 -17 -9

AZ: 326 335 342 350 1 8 16 23 23 30 42 47 54 62 71 78 86 87 94 101 110 113 118  
OBS: 2 0 9 10 0 0 6 6 0 0 9 10 9 5 0 12 20 9 15 3 0 0 18  
DPHI: -1 7 15 23 34 41 49 55 55 63 74 80 87 95 104 111 119 120 127 134 142 146 151

AZ: 125 134 141 150  
OBS: 0 7 0 13  
DPHI: 158 167 174 182

82 10 5 18 AZ: 158 166 174 183 191 207 213 221 228 238 246 252 262 268 275 285 289 305 309 317 325 333 343  
R = 2.0 KM; OBS: 0 0 9 0 11 12 0 0 0 8 12 4 18 22 34 80 43 79 63 58 87 85 42  
JDGMT: 3 DPHI: -169 -161 -153 -145 -136 -120 -114 -106 -99 -90 -81 -75 -66 -59 -52 -42 -38 -22 -18 -10 -2 6 15

AZ: 349 358 6 10 33 38 42 46 49 54 58 62 70 94 102 110 117 126 134 142 149  
OBS: 35 35 0 15 9 0 0 4 10 0 14 9 7 8 0 0 10 14 5 4 13  
DPHI: 22 31 38 42 66 71 74 79 82 87 91 94 103 127 134 142 150 159 166 175 182

82 10 5 18 AZ: 42 59 59 59 59 59 59 59 59 61 61  
R = 3.0 KM; OBS: 16 0 0 5 0 7 2 0 14 9 22  
JDGMT: 2 DPHI: 75 91 92 92 92 92 92 92 92 93 93

82 10 5 18 AZ: 151 158 166 174 182 190 199 206 214 221 230 251 254 259 271 279 287 294 303 310 318 326 334  
R = 5.0 KM; OBS: 12 10 9 9 9 9 9 9 9 9 0 13 22 9 19 27 26 52 121 148 127 181 172  
JDGMT: 3 DPHI: -177 -169 -161 -153 -145 -137 -129 -121 -113 -106 -97 -76 -73 -69 -57 -48 -41 -33 -25 -17 -9 -1 7

AZ: 342 351 0 7 10 14 18 22 26 30 34 38 42 46 50 54 58 62 66 70 78 86 95  
OBS: 179 26 12 9 9 9 10 9 0 7 0 9 5 0 3 11 0 6 0 7 0 11 8  
DPHI: 15 24 33 40 43 47 51 54 59 63 67 71 75 79 83 87 91 95 99 103 111 119 127

AZ: 103 110 118 126 135 141  
OBS: 6 0 11 1 9 10  
DPHI: 135 143 151 159 168 174

82 10 5 18 AZ: 233 270  
R = 7.0 KM; OBS: 0 6  
JDGMT: 0 DPHI: -95 -57

82 10 5 18 AZ: 151 159 166 175 182 190 197 206 214 221 233 239 246 254 263 270 278 286 293 302 310 318 325  
R = 10.0 KM; OBS: 7 9 15 8 0 15 15 0 0 0 12 1 13 12 9 5 4 9 9 48 0 114 257  
JDGMT: 3 DPHI: -177 -169 -161 -153 -145 -137 -130 -121 -113 -106 -94 -88 -81 -73 -65 -57 -49 -41 -34 -26 -17 -9 -2

AZ: 334 343 350 358 6 14 22 26 31 34 39 43 47 51 55 59 63 71 79 86 94 103 110  
OBS: 216 136 93 58 13 8 9 22 11 12 13 0 17 9 9 9 0 9 0 0 5 16 0  
DPHI: 7 15 23 31 38 47 55 59 63 67 72 75 79 84 87 92 95 103 112 118 127 136 143

AZ: 117 126 136 142  
OBS: 0 0 0 10  
DPHI: 150 159 169 175

82 10 5 19 AZ: 150 157 165 173 180 182 187 195 204 205 220 227 235 243 252 260 268 277 283 291 304 310 318  
R = 0.5 KM; OBS: 11 12 8 5 10 0 0 8 11 13 11 0 0 7 10 20 21 20 33 63 9 27 48  
JDGMT: 2 DPHI: -185 -177 -170 -161 -155 -152 -147 -139 -130 -129 -115 -107 -99 -91 -82 -74 -66 -57 -51 -43 -30 -24 -16

AZ: 326 335 342 350 1 8 16 23 23 30 42 47 54 62 71 78 86 87 94 101 110 113 118  
OBS: 40 13 36 40 30 38 33 42 35 36 50 9 29 44 0 12 24 0 0 9 9 34 0  
DPHI: -8 0 8 16 27 34 42 48 49 56 68 73 80 88 97 104 112 113 120 127 136 139 144

AZ: 125 134 141  
OBS: 9 0 85  
DPHI: 151 160 167

82 10 5 19 AZ: 149 158 166 174 183 191 207 213 221 228 238 246 252 262 268 275 285 289 305 309 317 325 333  
R = 2.0 KM; OBS: 0 0 15 13 0 0 7 11 7 0 0 6 0 13 10 50 69 55 45 77 49 55 64  
JDGMT: 3 DPHI: -185 -176 -168 -160 -151 -143 -127 -121 -113 -106 -97 -88 -82 -73 -66 -59 -49 -45 -29 -25 -17 -9 -1

AZ: 343 349 358 6 10 33 38 42 46 49 54 58 62 70 94 102 110 117 126 134 142  
OBS: 74 57 57 20 33 65 3 9 10 32 19 23 9 7 3 0 0 10 21 7 7  
DPHI: 8 15 24 32 35 59 64 67 72 75 80 84 87 96 120 127 135 143 152 159 168

82 10 5 19 AZ: 42 59 59 59 59 59 59 59 59 61 61  
R = 3.0 KM; OBS: 9 0 11 0 0 0 7 10 12 0  
JDGMT: 2 DPHI: 68 85 85 85 85 85 85 85 85 86 86

82 10 5 19 AZ: 151 158 166 174 182 190 199 206 214 221 230 251 254 259 271 279 287 294 303 310 318 326 334  
R = 5.0 KM; OBS: 8 9 11 3 22 9 1 8 14 0 9 5 9 9 0 45 72 87 128 149 138 108 123  
JDGMT: 3 DPHI: -184 -176 -168 -160 -152 -144 -136 -128 -120 -113 -104 -83 -80 -76 -63 -55 -48 -40 -32 -24 -16 -8 0

AZ: 342 351 0 7 10 14 18 22 26 30 34 38 42 46 50 54 58 62 66 70 78 86 95  
OBS: 47 17 10 9 6 9 6 6 9 10 9 9 0 8 9 2 8 10 6 1 3 13 6  
DPHI: 8 17 26 33 36 40 44 47 52 56 60 64 68 72 76 80 84 88 92 96 104 112 120

AZ: 103 110 118 126 135 141  
OBS: 6 1 12 15 0 5  
DPHI: 129 136 144 152 161 167

82 10 5 19 AZ: 233 270  
R = 7.0 KM; OBS: 0 6  
JDGMT: 0 DPHI: -102 -64

82 10 5 19 AZ: 151 159 166 175 182 190 197 206 214 221 233 239 246 254 263 270 278 286 293 302 310 318 325  
R = 10.0 KM; OBS: 6 9 9 9 0 0 7 11 12 1 3 7 0 7 9 34 29 16 24 116 51 95 217  
JDGMT: 3 DPHI: -184 -176 -168 -160 -152 -144 -137 -128 -120 -113 -101 -95 -88 -80 -72 -64 -56 -48 -41 -33 -24 -16 -9

AZ: 334 350 358 6 14 22 26 31 34 39 43 47 51 55 59 63 71 79 86 94 103 110 117  
OBS: 228 93 58 56 8 14 12 2 9 9 0 9 10 0 10 12 9 10 9 9 9 7 8  
DPHI: 0 16 24 31 40 48 52 56 60 65 68 72 77 80 85 88 97 105 111 120 129 136 143

AZ: 126 136 142  
OBS: 3 0 0  
DPHI: 152 162 168

82 10 5 20 AZ: 150 157 165 173 180 182 187 195 204 205 211 220 227 235 243 252 260 268 277 283 291 304 310  
R = 0.5 KM; OBS: 14 23 26 8 17 9 12 0 15 18 15 15 20 19 27 28 10 24 30 28 31 44 70  
JDGMT: 2 DPHI: -177 -169 -162 -154 -147 -144 -139 -131 -122 -121 -115 -107 -99 -91 -83 -74 -66 -58 -49 -44 -35 -22 -16

AZ: 318 326 335 342 350 1 8 16 23 23 30 42 47 54 62 71 78 86 87 94 101 110 113  
OBS: 78 56 71 40 27 14 9 49 48 36 28 34 55 32 40 12 13 20 10 8 21 145 14  
DPHI: -8 0 8 16 24 34 42 50 56 56 64 75 81 88 95 105 112 120 121 128 135 143 147

AZ: 118 125 134 141  
OBS: 17 9 12 8  
DPHI: 152 159 168 175

82 10 5 20 AZ: 142 149 158 166 174 183 191 207 213 221 228 238 246 252 262 268 275 285 289 305 309 317 325  
R = 2.0 KM; OBS: 8 0 0 8 4 11 9 0 7 2 2 9 6 11 18 45 50 60 63 94 101 88 64  
JDGMT: 3 DPHI: -185 -178 -168 -160 -152 -144 -136 -119 -113 -105 -98 -89 -80 -74 -65 -58 -51 -41 -37 -21 -17 -9 -1

AZ: 333 343 349 358 6 10 33 38 42 46 49 54 58 62 70 94 102 110 117 126 134  
OBS: 84 72 38 34 23 9 9 9 20 17 5 15 0 9 11 11 8 0 0 0 9  
DPHI: 7 16 23 32 39 43 67 72 75 80 83 88 92 95 104 128 135 143 151 160 167

82 10 5 20 AZ: 42 59 59 59 59 59 59 59 59 59 61 61  
R = 3.0 KM; OBS: 0 6 10 0 0 6 11 4 3 0 1  
JDGMT: 3 DPHI: 76 92 93 93 93 93 93 93 93 94 94

82 10 5 20 AZ: 151 158 166 174 182 190 199 206 214 221 230 251 254 259 271 279 287 294 303 310 318 326 334  
R = 5.0 KM; OBS: 0 10 14 8 0 10 1 21 11 2 0 9 9 0 10 73 85 95 111 132 112 105 98  
JDGMT: 3 DPHI: -176 -168 -160 -152 -144 -136 -128 -120 -113 -105 -96 -75 -72 -68 -56 -48 -40 -32 -24 -17 -8 0 8

AZ: 342 351 0 7 10 14 18 22 26 30 34 38 42 46 50 54 58 62 66 70 78 86 95  
OBS: 33 9 21 0 8 5 9 7 8 0 8 7 0 9 9 9 8 5 8 9 1 11 0  
DPHI: 16 25 34 41 43 48 51 55 60 64 68 72 76 80 83 88 92 96 100 104 112 120 128

AZ: 103 110 118 126 135 141  
OBS: 2 0 9 10 6 0  
DPHI: 136 144 152 160 169 175

82 10 5 20 AZ: 233 270  
R = 7.0 KM; OBS: 0 8  
JDGMT: 0 DPHI: -94 -56

82 10 5 20 AZ: 142 151 159 166 175 182 190 197 206 214 221 233 239 246 254 263 270 278 286 293 302 310 318  
R = 10.0 KM; OBS: 9 5 9 14 9 13 7 7 0 0 9 9 9 0 9 9 0 46 63 71 106 119 155  
JDGMT: 3 DPHI: -184 -176 -168 -160 -152 -144 -136 -129 -120 -112 -105 -93 -87 -80 -72 -64 -56 -49 -40 -33 -25 -16 -8

AZ: 325 334 343 350 358 6 14 22 26 31 34 39 43 47 51 55 63 71 79 86 94 103 110  
OBS: 193 166 172 63 61 35 9 5 9 0 9 9 9 0 9 9 9 0 9 8 6 3 0  
DPHI: -1 8 16 24 32 39 48 56 60 64 68 73 76 80 85 88 96 104 113 119 128 136 144

AZ: 117 126 136  
OBS: 0 10 10  
DPHI: 151 160 170

82 10 6 16 AZ: 23 54  
R = 0.5 KM; OBS: 10 10  
JDGMT: 0 DPHI: 19 50

82 10 6 16 AZ: 278 351 357 5 14 23 30 42 46 54 59 61 70 78  
R = 3.0 KM; OBS: 46 204 10 21 7 5 0 8 0 0 11 10 3 2  
JDGMT: 2 DPHI: -86 -13 -7 1 10 19 26 38 43 50 55 57 66 75

82 10 6 16 AZ: 226  
R = 5.0 KM; OBS: 4  
JDGMT: 0 DPHI: -138

82 10 6 16 AZ: 355 358 2 6 10 14 17 22 26 29 34 38 40 46 49 54 58 62 64 70 74 78  
R = 7.0 KM; OBS: 96 89 87 78 44 83 62 66 35 38 10 2 2 1 8 0 0 0 0 7 7 10  
JDGMT: 2 DPHI: -9 -5 -2 2 6 10 14 18 23 25 30 34 36 42 45 50 54 58 60 66 70 74

82 10 6 16 AZ: 233 248  
R = 10.0 KM; OBS: 6 10  
JDGMT: 0 DPHI: -131 -116

82 10 6 16 AZ: 349 351 352 354 356 0 0 2 4 7 8 10 12 15 16 19 21 23 30 33 34 36 37  
R = 15.0 KM; OBS: 46 166 177 153 166 115 82 65 25 12 10 0 0 0 14 5 17 11 4 8 5 0 0  
JDGMT: 2 DPHI: -15 -13 -12 -10 -7 -4 -3 -2 0 3 4 6 8 11 12 15 17 19 26 29 30 32 34

AZ: 41 42 46 47 49 50 53 54 57 58 59 62 65 66 69 70 73 75 76 78  
OBS: 2 0 7 8 0 0 3 0 7 2 0 4 0 0 0 2 0 7 11 0  
DPHI: 37 38 42 43 45 46 49 51 53 55 56 58 61 62 65 66 69 71 72 75

82 10 6 16 AZ: 349 351 355 355 359 2 2 4 7 9 10 12 15 17 18 20 23 25 26 28 31 34 35  
R = 20.0 KM; OBS: 173 186 125 118 81 24 22 0 5 47 40 0 9 13 11 7 10 0 9 0 1 5 4  
JDGMT: 2 DPHI: -15 -13 -9 -9 -4 -2 -2 0 3 5 6 9 11 13 14 17 19 21 23 24 27 30 31

AZ: 37 38 41 42 45 47 50 50 52 55 57 59 61 62 65 66 69 70 72 74 77 78  
OBS: 10 0 2 6 2 10 0 0 0 0 0 14 0 13 0 6 2 8 0 0 5 0  
DPHI: 33 34 37 39 41 43 46 46 48 51 53 55 57 58 61 62 66 66 69 70 73 74

|              |       |      |      |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|--------------|-------|------|------|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 82 10 6 16   | AZ:   | 349  | 350  | 352 | 354 | 356 | 359 | 1  | 2  | 3  | 6  | 9  | 11 | 12 | 15 | 18 | 20 | 23 | 24 | 26 | 29 | 31 | 32 | 34 |
| R = 30.0 KM; | OBS:  | 58   | 10   | 44  | 21  | 32  | 22  | 0  | 37 | 6  | 35 | 3  | 0  | 0  | 9  | 12 | 2  | 8  | 10 | 0  | 10 | 12 | 10 | 10 |
| JDGMT: 2     | DPHI: | -15  | -14  | -12 | -10 | -8  | -5  | -3 | -2 | -1 | 2  | 5  | 7  | 9  | 11 | 14 | 16 | 19 | 20 | 22 | 25 | 27 | 28 | 30 |
|              | AZ:   | 35   | 38   | 41  | 42  | 44  | 47  | 48 | 50 | 53 | 54 | 56 | 58 | 62 | 64 | 66 | 69 | 71 | 73 | 77 | 79 | 81 |    |    |
|              | OBS:  | 10   | 0    | 14  | 0   | 1   | 10  | 11 | 0  | 8  | 11 | 4  | 0  | 0  | 10 | 2  | 1  | 0  | 5  | 7  | 8  | 0  |    |    |
|              | DPHI: | 31   | 34   | 37  | 38  | 40  | 43  | 44 | 46 | 49 | 50 | 52 | 55 | 58 | 61 | 62 | 65 | 67 | 69 | 73 | 75 | 77 |    |    |
| 82 10 6 16   | AZ:   | 350  | 354  | 357 | 3   | 6   | 9   | 16 | 19 | 23 | 25 | 31 | 34 | 40 | 43 | 46 | 50 | 55 | 58 | 62 | 74 | 79 | 83 |    |
| R = 50.0 KM; | OBS:  | 2    | 27   | 36  | 0   | 0   | 5   | 23 | 0  | 4  | 0  | 6  | 0  | 12 | 10 | 2  | 0  | 6  | 0  | 0  | 0  | 0  | 2  |    |
| JDGMT: 2     | DPHI: | -14  | -9   | -7  | -1  | 2   | 5   | 12 | 15 | 19 | 21 | 27 | 31 | 36 | 39 | 42 | 46 | 51 | 54 | 58 | 70 | 75 | 79 |    |
| 82 10 6 17   | AZ:   | 23   | 54   |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| R = 0.5 KM;  | OBS:  | 11   | 14   |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| JDGMT: 0     | DPHI: | 17   | 48   |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 82 10 6 17   | AZ:   | 278  | 341  | 351 | 357 | 5   | 14  | 23 | 30 | 42 | 46 | 54 | 59 | 61 | 70 | 78 |    |    |    |    |    |    |    |    |
| R = 3.0 KM;  | OBS:  | 2    | 6    | 39  | 10  | 10  | 10  | 4  | 1  | 13 | 3  | 10 | 3  | 4  | 0  | 7  |    |    |    |    |    |    |    |    |
| JDGMT: 2     | DPHI: | -87  | -25  | -14 | -9  | 0   | 9   | 17 | 24 | 37 | 41 | 49 | 53 | 55 | 65 | 73 |    |    |    |    |    |    |    |    |
| 82 10 6 17   | AZ:   | 226  |      |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| R = 5.0 KM;  | OBS:  | 0    |      |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| JDGMT: 0     | DPHI: | -139 |      |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 82 10 6 17   | AZ:   | 343  | 355  | 358 | 2   | 6   | 10  | 14 | 17 | 22 | 26 | 29 | 34 | 38 | 40 | 46 | 49 | 54 | 58 | 62 | 64 | 70 | 74 | 78 |
| R = 7.0 KM;  | OBS:  | 308  | 135  | 145 | 158 | 108 | 40  | 61 | 14 | 0  | 10 | 15 | 0  | 7  | 0  | 7  | 10 | 6  | 11 | 8  | 0  | 4  | 0  | 2  |
| JDGMT: 2     | DPHI: | -22  | -10  | -7  | -3  | 1   | 5   | 9  | 12 | 17 | 21 | 24 | 29 | 33 | 34 | 40 | 44 | 49 | 53 | 56 | 59 | 65 | 69 | 73 |
| 82 10 6 17   | AZ:   | 233  | 248  |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| R = 10.0 KM; | OBS:  | 1    | 4    |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| JDGMT: 0     | DPHI: | -132 | -118 |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 82 10 6 17   | AZ:   | 349  | 351  | 352 | 354 | 356 | 0   | 0  | 2  | 4  | 7  | 8  | 10 | 12 | 15 | 16 | 19 | 21 | 23 | 30 | 33 | 34 | 36 | 37 |
| R = 15.0 KM; | OBS:  | 91   | 107  | 85  | 85  | 69  | 30  | 12 | 19 | 27 | 10 | 24 | 10 | 2  | 26 | 1  | 18 | 7  | 9  | 0  | 10 | 0  | 0  | 0  |
| JDGMT: 2     | DPHI: | -17  | -15  | -13 | -11 | -9  | -5  | -5 | -3 | -1 | 1  | 3  | 5  | 7  | 9  | 10 | 14 | 16 | 18 | 24 | 28 | 29 | 31 | 32 |
|              | AZ:   | 41   | 42   | 46  | 47  | 49  | 50  | 53 | 54 | 57 | 58 | 59 | 62 | 65 | 66 | 69 | 70 | 73 | 75 | 76 | 78 |    |    |    |
|              | OBS:  | 0    | 10   | 2   | 8   | 9   | 5   | 5  | 0  | 0  | 0  | 3  | 9  | 5  | 2  | 5  | 6  | 4  | 9  | 9  | 10 |    |    |    |
|              | DPHI: | 36   | 36   | 40  | 42  | 43  | 45  | 47 | 49 | 51 | 53 | 54 | 57 | 60 | 61 | 63 | 65 | 68 | 70 | 70 | 73 |    |    |    |
| 82 10 6 17   | AZ:   | 349  | 351  | 353 | 355 | 355 | 359 | 2  | 2  | 4  | 7  | 9  | 10 | 12 | 15 | 17 | 18 | 20 | 23 | 25 | 26 | 28 | 31 | 34 |
| R = 20.0 KM; | OBS:  | 136  | 124  | 105 | 68  | 59  | 29  | 23 | 29 | 31 | 10 | 10 | 2  | 9  | 27 | 8  | 4  | 10 | 6  | 10 | 13 | 3  | 7  | 10 |
| JDGMT: 2     | DPHI: | -17  | -15  | -12 | -10 | -10 | -6  | -4 | -3 | -1 | 2  | 3  | 4  | 7  | 10 | 12 | 13 | 15 | 17 | 19 | 21 | 23 | 25 | 28 |
|              | AZ:   | 35   | 37   | 38  | 41  | 42  | 45  | 47 | 50 | 50 | 52 | 55 | 57 | 59 | 61 | 62 | 65 | 66 | 69 | 70 | 72 | 74 | 77 | 78 |
|              | OBS:  | 0    | 0    | 4   | 8   | 12  | 10  | 0  | 2  | 2  | 0  | 8  | 0  | 0  | 5  | 10 | 9  | 12 | 0  | 0  | 7  | 3  | 0  | 9  |
|              | DPHI: | 29   | 31   | 33  | 36  | 37  | 40  | 42 | 45 | 45 | 47 | 49 | 52 | 54 | 55 | 57 | 60 | 61 | 64 | 64 | 67 | 69 | 72 | 73 |
| 82 10 6 17   | AZ:   | 349  | 350  | 352 | 354 | 356 | 359 | 1  | 2  | 3  | 6  | 9  | 11 | 12 | 15 | 18 | 20 | 23 | 24 | 26 | 29 | 31 | 32 | 34 |
| R = 30.0 KM; | OBS:  | 105  | 38   | 39  | 25  | 10  | 0   | 4  | 15 | 0  | 0  | 14 | 8  | 0  | 0  | 3  | 8  | 3  | 2  | 2  | 5  | 8  | 0  | 8  |
| JDGMT: 2     | DPHI: | -17  | -15  | -13 | -11 | -9  | -6  | -5 | -3 | -3 | 1  | 3  | 6  | 7  | 10 | 13 | 15 | 17 | 19 | 20 | 23 | 25 | 27 | 28 |

|              |       |      |      |     |     |     |     |     |     |    |     |     |     |    |    |    |    |    |    |    |    |    |    |    |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|
| AZ:          | 35    | 38   | 41   | 42  | 44  | 47  | 48  | 50  | 53  | 54 | 56  | 58  | 62  | 64 | 66 | 69 | 71 | 73 | 77 | 79 | 81 |    |    |    |
| OBS:         | 2     | 5    | 12   | 4   | 1   | 1   | 6   | 1   | 4   | 5  | 1   | 12  | 4   | 1  | 1  | 2  | 0  | 10 | 0  | 0  | 2  |    |    |    |
| DPHI:        | 29    | 33   | 35   | 37  | 39  | 42  | 43  | 45  | 48  | 49 | 51  | 53  | 57  | 59 | 61 | 63 | 65 | 67 | 71 | 73 | 75 |    |    |    |
| 82 10 6 17   | AZ:   | 350  | 354  | 357 | 3   | 6   | 9   | 16  | 19  | 23 | 25  | 31  | 34  | 40 | 43 | 46 | 50 | 55 | 58 | 62 | 66 | 71 | 74 | 79 |
| R = 50.0 KM; | OBS:  | 48   | 28   | 10  | 0   | 10  | 7   | 5   | 0   | 0  | 4   | 0   | 14  | 3  | 5  | 6  | 2  | 9  | 0  | 7  | 4  | 5  | 1  | 4  |
| JDGMT: 2     | DPHI: | -15  | -11  | -8  | -2  | 1   | 4   | 11  | 13  | 17 | 20  | 25  | 29  | 34 | 37 | 40 | 45 | 49 | 53 | 57 | 61 | 66 | 69 | 73 |
| AZ:          | 83    |      |      |     |     |     |     |     |     |    |     |     |     |    |    |    |    |    |    |    |    |    |    |    |
| OBS:         | 0     |      |      |     |     |     |     |     |     |    |     |     |     |    |    |    |    |    |    |    |    |    |    |    |
| DPHI:        | 77    |      |      |     |     |     |     |     |     |    |     |     |     |    |    |    |    |    |    |    |    |    |    |    |
| 82 10 6 18   | AZ:   | 23   | 54   |     |     |     |     |     |     |    |     |     |     |    |    |    |    |    |    |    |    |    |    |    |
| R = 0.5 KM;  | OBS:  | 0    | 0    |     |     |     |     |     |     |    |     |     |     |    |    |    |    |    |    |    |    |    |    |    |
| JDGMT: 0     | DPHI: | 19   | 50   |     |     |     |     |     |     |    |     |     |     |    |    |    |    |    |    |    |    |    |    |    |
| 82 10 6 18   | AZ:   | 278  | 341  | 351 | 357 | 5   | 14  | 23  | 30  | 42 | 46  | 54  | 59  | 61 | 70 | 78 |    |    |    |    |    |    |    |    |
| R = 3.0 KM;  | OBS:  | 10   | 10   | 0   | 146 | 21  | 34  | 102 | 38  | 33 | 53  | 24  | 33  | 10 | 9  | 0  |    |    |    |    |    |    |    |    |
| JDGMT: 2     | DPHI: | -86  | -23  | -13 | -7  | 1   | 10  | 19  | 26  | 38 | 42  | 50  | 55  | 57 | 66 | 74 |    |    |    |    |    |    |    |    |
| 82 10 6 18   | AZ:   | 226  |      |     |     |     |     |     |     |    |     |     |     |    |    |    |    |    |    |    |    |    |    |    |
| R = 5.0 KM;  | OBS:  | 0    |      |     |     |     |     |     |     |    |     |     |     |    |    |    |    |    |    |    |    |    |    |    |
| JDGMT: 0     | DPHI: | -138 |      |     |     |     |     |     |     |    |     |     |     |    |    |    |    |    |    |    |    |    |    |    |
| 82 10 6 18   | AZ:   | 343  | 355  | 358 | 2   | 6   | 10  | 14  | 17  | 22 | 26  | 29  | 34  | 38 | 40 | 46 | 49 | 54 | 58 | 62 | 64 | 70 | 74 | 78 |
| R = 7.0 KM;  | OBS:  | 70   | 73   | 51  | 47  | 77  | 41  | 50  | 49  | 65 | 23  | 4   | 10  | 47 | 0  | 22 | 5  | 0  | 9  | 0  | 0  | 1  | 4  | 1  |
| JDGMT: 2     | DPHI: | -21  | -9   | -6  | -2  | 2   | 6   | 10  | 13  | 18 | 22  | 25  | 30  | 34 | 36 | 42 | 45 | 50 | 54 | 58 | 60 | 66 | 70 | 74 |
| 82 10 6 18   | AZ:   | 233  | 248  |     |     |     |     |     |     |    |     |     |     |    |    |    |    |    |    |    |    |    |    |    |
| R = 10.0 KM; | OBS:  | 0    | 29   |     |     |     |     |     |     |    |     |     |     |    |    |    |    |    |    |    |    |    |    |    |
| JDGMT: 0     | DPHI: | -131 | -116 |     |     |     |     |     |     |    |     |     |     |    |    |    |    |    |    |    |    |    |    |    |
| 82 10 6 18   | AZ:   | 341  | 349  | 351 | 352 | 354 | 356 | 0   | 0   | 2  | 4   | 7   | 8   | 10 | 12 | 15 | 16 | 19 | 21 | 23 | 30 | 33 | 34 | 36 |
| R = 15.0 KM; | OBS:  | 233  | 270  | 243 | 274 | 286 | 135 | 104 | 162 | 1  | 142 | 128 | 111 | 79 | 42 | 21 | 67 | 50 | 6  | 10 | 4  | 2  | 0  | 0  |
| JDGMT: 2     | DPHI: | -23  | -15  | -13 | -12 | -10 | -8  | -4  | -4  | -2 | 0   | 3   | 4   | 6  | 8  | 11 | 12 | 15 | 17 | 19 | 26 | 29 | 30 | 32 |
| AZ:          | 37    | 41   | 42   | 46  | 47  | 49  | 50  | 53  | 54  | 57 | 58  | 59  | 62  | 65 | 66 | 69 | 70 | 73 | 75 | 76 | 78 |    |    |    |
| OBS:         | 4     | 0    | 3    | 2   | 4   | 0   | 12  | 0   | 0   | 4  | 2   | 0   | 1   | 5  | 3  | 0  | 0  | 7  | 1  | 0  | 2  |    |    |    |
| DPHI:        | 33    | 37   | 38   | 42  | 43  | 45  | 46  | 49  | 50  | 53 | 54  | 55  | 58  | 61 | 62 | 65 | 66 | 69 | 71 | 72 | 74 |    |    |    |
| 82 10 6 18   | AZ:   | 349  | 351  | 353 | 355 | 355 | 359 | 2   | 2   | 4  | 7   | 9   | 10  | 12 | 15 | 17 | 18 | 20 | 23 | 25 | 26 | 28 | 31 | 34 |
| R = 20.0 KM; | OBS:  | 173  | 36   | 111 | 76  | 61  | 58  | 98  | 131 | 88 | 88  | 15  | 34  | 7  | 8  | 0  | 8  | 6  | 10 | 4  | 2  | 26 | 4  | 8  |
| JDGMT: 2     | DPHI: | -15  | -13  | -11 | -9  | -9  | -5  | -2  | -2  | 0  | 3   | 5   | 6   | 8  | 11 | 13 | 14 | 16 | 19 | 21 | 22 | 24 | 27 | 30 |
| AZ:          | 35    | 37   | 38   | 41  | 42  | 45  | 47  | 50  | 50  | 52 | 55  | 57  | 59  | 61 | 62 | 65 | 66 | 69 | 70 | 72 | 74 | 77 | 78 |    |
| OBS:         | 3     | 7    | 0    | 10  | 0   | 11  | 5   | 0   | 10  | 11 | 0   | 1   | 10  | 2  | 1  | 3  | 10 | 5  | 0  | 0  | 6  | 6  | 5  |    |
| DPHI:        | 31    | 33   | 34   | 37  | 38  | 41  | 43  | 46  | 46  | 48 | 51  | 53  | 55  | 57 | 58 | 61 | 62 | 65 | 66 | 68 | 70 | 73 | 74 |    |
| 82 10 6 18   | AZ:   | 349  | 350  | 352 | 354 | 356 | 359 | 1   | 2   | 3  | 6   | 9   | 11  | 12 | 15 | 18 | 20 | 23 | 24 | 26 | 29 | 31 | 32 | 34 |
| R = 30.0 KM; | OBS:  | 91   | 53   | 61  | 52  | 29  | 6   | 10  | 10  | 0  | 1   | 5   | 15  | 0  | 10 | 2  | 8  | 10 | 0  | 0  | 0  | 3  | 0  | 0  |
| JDGMT: 2     | DPHI: | -15  | -14  | -12 | -10 | -8  | -5  | -3  | -2  | -1 | 2   | 5   | 7   | 8  | 11 | 14 | 16 | 19 | 20 | 22 | 25 | 27 | 28 | 30 |



|              |       |      |      |     |     |     |     |     |    |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |
|--------------|-------|------|------|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|
|              | AZ:   | 35   | 38   | 41  | 42  | 44  | 47  | 48  | 50 | 53  | 54  | 56  | 58  | 62  | 64  | 66  | 69 | 71 | 73 | 77 | 79 | 81 |    |    |
|              | OBS:  | 0    | 2    | 9   | 10  | 4   | 1   | 0   | 0  | 5   | 3   | 0   | 0   | 0   | 2   | 1   | 4  | 1  | 10 | 10 | 8  | 7  |    |    |
|              | DPHI: | 31   | 34   | 37  | 38  | 40  | 43  | 44  | 46 | 49  | 50  | 52  | 54  | 58  | 60  | 62  | 65 | 67 | 69 | 73 | 75 | 77 |    |    |
| 82 10 6 18   | AZ:   | 350  | 354  | 357 | 3   | 6   | 9   | 16  | 19 | 23  | 25  | 31  | 34  | 40  | 43  | 46  | 50 | 55 | 58 | 62 | 66 | 71 | 74 | 79 |
| R = 50.0 KM; | OBS:  | 19   | 29   | 3   | 1   | 3   | 8   | 1   | 2  | 0   | 4   | 11  | 12  | 3   | 0   | 2   | 0  | 0  | 0  | 2  | 0  | 0  | 0  | 7  |
| JDGMT: 2     | DPHI: | -14  | -10  | -7  | -1  | 2   | 5   | 12  | 15 | 19  | 21  | 27  | 30  | 36  | 39  | 42  | 46 | 51 | 54 | 58 | 62 | 67 | 70 | 75 |
|              | AZ:   | 83   |      |     |     |     |     |     |    |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |
|              | OBS:  | 4    |      |     |     |     |     |     |    |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |
|              | DPHI: | 79   |      |     |     |     |     |     |    |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |
| 82 10 6 19   | AZ:   | 23   | 54   |     |     |     |     |     |    |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |
| R = 0.5 KM;  | OBS:  | 10   | 3    |     |     |     |     |     |    |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |
| JDGMT: 0     | DPHI: | 15   | 46   |     |     |     |     |     |    |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |
| 82 10 6 19   | AZ:   | 278  | 341  | 351 | 357 | 5   | 14  | 23  | 30 | 42  | 46  | 54  | 59  | 61  | 70  | 78  |    |    |    |    |    |    |    |    |
| R = 3.0 KM;  | OBS:  | 0    | 10   | 13  | 178 | 1   | 6   | 8   | 12 | 1   | 10  | 0   | 10  | 6   | 2   | 2   |    |    |    |    |    |    |    |    |
| JDGMT: 2     | DPHI: | -90  | -27  | -17 | -11 | -3  | 6   | 15  | 22 | 35  | 39  | 46  | 51  | 53  | 63  | 71  |    |    |    |    |    |    |    |    |
| 82 10 6 19   | AZ:   | 226  |      |     |     |     |     |     |    |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |
| R = 5.0 KM;  | OBS:  | 0    |      |     |     |     |     |     |    |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |
| JDGMT: 0     | DPHI: | -142 |      |     |     |     |     |     |    |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |
| 82 10 6 19   | AZ:   | 343  | 355  | 358 | 2   | 6   | 10  | 14  | 17 | 22  | 26  | 29  | 34  | 38  | 40  | 46  | 49 | 54 | 58 | 62 | 64 | 70 | 74 | 78 |
| R = 7.0 KM;  | OBS:  | 6    | 0    | 18  | 5   | 16  | 2   | 0   | 42 | 25  | 48  | 55  | 65  | 47  | 52  | 11  | 5  | 37 | 40 | 44 | 32 | 1  | 6  | 9  |
| JDGMT: 3     | DPHI: | -25  | -13  | -9  | -6  | -2  | 2   | 6   | 10 | 14  | 19  | 21  | 27  | 30  | 32  | 38  | 41 | 46 | 50 | 54 | 56 | 63 | 66 | 70 |
| 82 10 6 19   | AZ:   | 233  | 248  |     |     |     |     |     |    |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |
| R = 10.0 KM; | OBS:  | 8    | 5    |     |     |     |     |     |    |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |
| JDGMT: 0     | DPHI: | -135 | -120 |     |     |     |     |     |    |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |
| 82 10 6 19   | AZ:   | 341  | 349  | 351 | 352 | 354 | 0   | 0   | 2  | 4   | 7   | 8   | 10  | 12  | 15  | 16  | 19 | 21 | 23 | 30 | 33 | 34 | 36 | 37 |
| R = 15.0 KM; | OBS:  | 77   | 159  | 234 | 213 | 245 | 208 | 229 | 56 | 80  | 148 | 121 | 113 | 153 | 117 | 159 | 77 | 72 | 76 | 2  | 46 | 30 | 23 | 7  |
| JDGMT: 2     | DPHI: | -27  | -19  | -17 | -15 | -14 | -8  | -7  | -6 | -4  | -1  | 0   | 2   | 5   | 7   | 8   | 11 | 13 | 15 | 22 | 25 | 26 | 28 | 30 |
|              | AZ:   | 41   | 42   | 46  | 47  | 49  | 50  | 53  | 54 | 57  | 58  | 59  | 62  | 65  | 66  | 69  | 70 | 73 | 75 | 76 | 78 |    |    |    |
|              | OBS:  | 6    | 2    | 22  | 10  | 29  | 10  | 10  | 0  | 9   | 5   | 0   | 10  | 10  | 5   | 3   | 4  | 8  | 0  | 0  | 0  |    |    |    |
|              | DPHI: | 33   | 34   | 38  | 39  | 41  | 42  | 45  | 47 | 49  | 51  | 52  | 54  | 57  | 58  | 61  | 62 | 65 | 67 | 68 | 71 |    |    |    |
| 82 10 6 19   | AZ:   | 349  | 351  | 353 | 355 | 355 | 359 | 2   | 2  | 4   | 7   | 9   | 10  | 12  | 15  | 17  | 18 | 20 | 23 | 25 | 26 | 28 | 31 | 34 |
| R = 20.0 KM; | OBS:  | 185  | 181  | 210 | 199 | 154 | 155 | 256 | 10 | 252 | 104 | 154 | 105 | 109 | 100 | 56  | 70 | 37 | 21 | 25 | 12 | 14 | 0  | 0  |
| JDGMT: 2     | DPHI: | -19  | -17  | -14 | -13 | -12 | -8  | -6  | -6 | -4  | -1  | 1   | 2   | 5   | 8   | 9   | 11 | 13 | 15 | 17 | 19 | 21 | 23 | 26 |
|              | AZ:   | 35   | 37   | 38  | 41  | 42  | 45  | 47  | 50 | 50  | 52  | 55  | 57  | 59  | 61  | 62  | 65 | 66 | 69 | 70 | 72 | 74 | 77 | 78 |
|              | OBS:  | 3    | 9    | 2   | 0   | 10  | 10  | 0   | 7  | 5   | 9   | 5   | 10  | 0   | 0   | 2   | 7  | 0  | 0  | 0  | 7  | 1  | 5  | 5  |
|              | DPHI: | 27   | 29   | 30  | 33  | 35  | 37  | 39  | 42 | 42  | 44  | 47  | 50  | 51  | 53  | 54  | 57 | 58 | 62 | 62 | 65 | 67 | 69 | 71 |
| 82 10 6 19   | AZ:   | 349  | 350  | 352 | 354 | 356 | 359 | 1   | 2  | 3   | 6   | 9   | 11  | 12  | 15  | 18  | 20 | 23 | 24 | 26 | 29 | 31 | 32 | 34 |
| R = 30.0 KM; | OBS:  | 136  | 99   | 111 | 67  | 0   | 86  | 65  | 20 | 75  | 51  | 21  | 30  | 2   | 16  | 0   | 11 | 11 | 9  | 19 | 0  | 1  | 6  | 10 |
| JDGMT: 2     | DPHI: | -19  | -18  | -15 | -14 | -11 | -9  | -7  | -6 | -5  | -1  | 1   | 3   | 5   | 7   | 10  | 12 | 15 | 16 | 18 | 21 | 23 | 24 | 26 |

|              |       |      |      |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|----|----|----|----|----|----|----|----|----|
|              | AZ:   | 35   | 38   | 41  | 42  | 44  | 47  | 48  | 50  | 53  | 54  | 56  | 58  | 62 | 64  | 66 | 69 | 71 | 73 | 77 | 79 | 81 |    |    |
|              | OBS:  | 10   | 12   | 0   | 0   | 7   | 5   | 2   | 0   | 0   | 1   | 0   | 2   | 6  | 10  | 2  | 1  | 11 | 10 | 0  | 0  | 9  |    |    |
|              | DPHI: | 27   | 30   | 33  | 35  | 36  | 39  | 41  | 42  | 45  | 46  | 48  | 51  | 54 | 57  | 58 | 61 | 63 | 65 | 69 | 71 | 73 |    |    |
| 82 10 6 19   | AZ:   | 350  | 354  | 357 | 3   | 6   | 9   | 16  | 19  | 23  | 25  | 31  | 34  | 40 | 43  | 46 | 50 | 55 | 58 | 62 | 66 | 71 | 74 | 79 |
| R = 50.0 KM; | OBS:  | 45   | 2    | 5   | 1   | 0   | 0   | 0   | 10  | 7   | 0   | 8   | 7   | 1  | 1   | 4  | 8  | 3  | 7  | 1  | 5  | 0  | 0  | 5  |
| JDGMT: 2     | DPHI: | -18  | -13  | -11 | -5  | -2  | 2   | 8   | 11  | 15  | 17  | 23  | 27  | 32 | 35  | 38 | 42 | 47 | 50 | 55 | 58 | 63 | 66 | 71 |
|              | AZ:   | 83   |      |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |
|              | OBS:  | 0    |      |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |
|              | DPHI: | 75   |      |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |
| 82 10 6 20   | AZ:   | 23   | 54   |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |
| R = 0.5 KM;  | OBS:  | 2    | 11   |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |
| JDGMT: 0     | DPHI: | 10   | 41   |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |
| 82 10 6 20   | AZ:   | 278  | 341  | 351 | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 59  | 61 | 70  | 78 |    |    |    |    |    |    |    |    |
| R = 3.0 KM;  | OBS:  | 0    | 0    | 9   | 132 | 8   | 10  | 10  | 0   | 7   | 10  | 6   | 8   | 10 | 9   | 0  |    |    |    |    |    |    |    |    |
| JDGMT: 2     | DPHI: | -94  | -32  | -21 | -16 | -7  | 2   | 10  | 17  | 30  | 34  | 42  | 46  | 48 | 58  | 66 |    |    |    |    |    |    |    |    |
| 82 10 6 20   | AZ:   | 226  |      |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |
| R = 5.0 KM;  | OBS:  | 0    |      |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |
| JDGMT: 0     | DPHI: | -146 |      |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |
| 82 10 6 20   | AZ:   | 343  | 355  | 358 | 2   | 6   | 10  | 14  | 17  | 22  | 26  | 29  | 34  | 38 | 40  | 46 | 49 | 54 | 58 | 62 | 64 | 70 | 74 | 78 |
| R = 7.0 KM;  | OBS:  | 2    | 6    | 10  | 11  | 10  | 10  | 24  | 25  | 0   | 10  | 12  | 37  | 37 | 37  | 10 | 0  | 10 | 5  | 0  | 5  | 4  | 6  | 1  |
| JDGMT: 3     | DPHI: | -29  | -17  | -14 | -10 | -6  | -2  | 2   | 5   | 10  | 14  | 17  | 22  | 26 | 27  | 33 | 37 | 42 | 46 | 49 | 52 | 58 | 62 | 66 |
| 82 10 6 20   | AZ:   | 233  | 248  |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |
| R = 10.0 KM; | OBS:  | 3    | 2    |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |
| JDGMT: 0     | DPHI: | -139 | -125 |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |
| 82 10 6 20   | AZ:   | 341  | 349  | 351 | 352 | 354 | 356 | 0   | 2   | 4   | 7   | 8   | 10  | 12 | 15  | 16 | 19 | 21 | 23 | 30 | 33 | 34 | 36 | 37 |
| R = 15.0 KM; | OBS:  | 28   | 68   | 107 | 108 | 87  | 107 | 106 | 39  | 21  | 33  | 51  | 63  | 59 | 23  | 64 | 44 | 67 | 33 | 47 | 59 | 55 | 90 | 55 |
| JDGMT: 2     | DPHI: | -32  | -24  | -22 | -20 | -18 | -16 | -12 | -10 | -8  | -6  | -5  | -3  | 0  | 2   | 3  | 7  | 9  | 11 | 17 | 21 | 22 | 24 | 25 |
|              | AZ:   | 41   | 42   | 46  | 47  | 49  | 50  | 53  | 54  | 57  | 58  | 59  | 62  | 65 | 66  | 69 | 70 | 73 | 75 | 76 | 78 |    |    |    |
|              | OBS:  | 33   | 1    | 49  | 57  | 10  | 49  | 28  | 19  | 10  | 2   | 10  | 5   | 10 | 10  | 0  | 10 | 4  | 0  | 0  | 1  |    |    |    |
|              | DPHI: | 29   | 29   | 33  | 34  | 36  | 38  | 40  | 42  | 44  | 46  | 47  | 50  | 53 | 54  | 56 | 58 | 61 | 63 | 63 | 66 |    |    |    |
| 82 10 6 20   | AZ:   | 349  | 351  | 353 | 355 | 355 | 359 | 2   | 2   | 4   | 7   | 9   | 10  | 12 | 15  | 17 | 18 | 20 | 23 | 25 | 26 | 28 | 31 | 34 |
| R = 20.0 KM; | OBS:  | 89   | 56   | 193 | 127 | 84  | 162 | 156 | 242 | 8   | 184 | 204 | 126 | 73 | 118 | 96 | 84 | 99 | 59 | 38 | 60 | 29 | 34 | 48 |
| JDGMT: 2     | DPHI: | -24  | -22  | -19 | -18 | -17 | -13 | -11 | -10 | -8  | -5  | -4  | -3  | 0  | 3   | 5  | 6  | 8  | 10 | 12 | 14 | 16 | 18 | 21 |
|              | AZ:   | 35   | 37   | 38  | 41  | 42  | 45  | 47  | 50  | 50  | 52  | 55  | 57  | 59 | 61  | 62 | 65 | 66 | 69 | 70 | 72 | 74 | 77 | 78 |
|              | OBS:  | 28   | 8    | 10  | 11  | 40  | 52  | 0   | 11  | 17  | 10  | 33  | 10  | 34 | 16  | 10 | 0  | 0  | 0  | 8  | 0  | 3  | 10 | 4  |
|              | DPHI: | 22   | 24   | 25  | 29  | 30  | 33  | 34  | 38  | 38  | 40  | 42  | 45  | 47 | 48  | 50 | 53 | 54 | 57 | 57 | 60 | 62 | 64 | 66 |
| 82 10 6 20   | AZ:   | 349  | 350  | 352 | 354 | 356 | 359 | 1   | 2   | 3   | 6   | 9   | 11  | 12 | 15  | 18 | 20 | 23 | 24 | 26 | 29 | 31 | 32 | 34 |
| R = 30.0 KM; | OBS:  | 92   | 122  | 164 | 125 | 105 | 125 | 117 | 95  | 153 | 163 | 114 | 50  | 24 | 36  | 35 | 52 | 4  | 68 | 99 | 15 | 0  | 0  | 1  |
| JDGMT: 2     | DPHI: | -24  | -22  | -20 | -19 | -16 | -13 | -12 | -10 | -10 | -6  | -4  | -1  | 0  | 2   | 6  | 8  | 10 | 12 | 13 | 16 | 18 | 20 | 21 |

|              |       |      |      |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|----|----|----|----|----|----|----|----|----|
|              | AZ:   | 35   | 38   | 41  | 42  | 44  | 47  | 48  | 50  | 53  | 54  | 56  | 58  | 62 | 64  | 66 | 69 | 71 | 73 | 77 | 79 | 81 |    |    |
|              | OBS:  | 38   | 26   | 2   | 4   | 12  | 0   | 5   | 1   | 0   | 2   | 8   | 0   | 0  | 5   | 4  | 8  | 0  | 7  | 0  | 5  | 0  |    |    |
|              | DPHI: | 22   | 26   | 28  | 30  | 32  | 35  | 36  | 38  | 41  | 42  | 44  | 46  | 50 | 52  | 54 | 56 | 58 | 60 | 64 | 66 | 68 |    |    |
| 82 10 6 20   | AZ:   | 350  | 354  | 357 | 3   | 6   | 9   | 16  | 19  | 23  | 25  | 31  | 34  | 40 | 43  | 46 | 50 | 55 | 58 | 62 | 66 | 71 | 74 | 79 |
| R = 50.0 KM; | OBS:  | 47   | 17   | 10  | 11  | 10  | 4   | 8   | 0   | 12  | 9   | 0   | 4   | 11 | 7   | 4  | 0  | 10 | 9  | 4  | 7  | 0  | 0  | 0  |
| JDGMT: 2     | DPHI: | -22  | -18  | -15 | -9  | -6  | -3  | 4   | 6   | 10  | 13  | 18  | 22  | 27 | 30  | 33 | 38 | 42 | 46 | 50 | 54 | 59 | 62 | 66 |
|              | AZ:   | 83   |      |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |
|              | OBS:  | 1    |      |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |
|              | DPHI: | 70   |      |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |
| 82 10 6 21   | AZ:   | 23   | 54   |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |
| R = 0.5 KM;  | OBS:  | 0    | 0    |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |
| JDGMT: 0     | DPHI: | 6    | 37   |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |
| 82 10 6 21   | AZ:   | 278  | 341  | 351 | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 59  | 61 | 70  | 78 |    |    |    |    |    |    |    |    |
| R = 3.0 KM;  | OBS:  | 0    | 2    | 0   | 59  | 2   | 3   | 12  | 10  | 13  | 6   | 10  | 10  | 10 | 9   | 2  |    |    |    |    |    |    |    |    |
| JDGMT: 2     | DPHI: | -99  | -36  | -26 | -20 | -12 | -3  | 6   | 13  | 25  | 29  | 37  | 42  | 44 | 53  | 61 |    |    |    |    |    |    |    |    |
| 82 10 6 21   | AZ:   | 226  |      |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |
| R = 5.0 KM;  | OBS:  | 0    |      |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |
| JDGMT: 0     | DPHI: | -151 |      |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |
| 82 10 6 21   | AZ:   | 343  | 355  | 358 | 2   | 6   | 10  | 14  | 17  | 22  | 26  | 29  | 34  | 38 | 40  | 46 | 49 | 54 | 58 | 62 | 64 | 70 | 74 | 78 |
| R = 7.0 KM;  | OBS:  | 9    | 1    | 5   | 3   | 2   | 24  | 30  | 7   | 0   | 26  | 26  | 17  | 10 | 7   | 8  | 28 | 40 | 25 | 10 | 15 | 1  | 0  | 0  |
| JDGMT: 2     | DPHI: | -34  | -22  | -19 | -15 | -11 | -7  | -3  | 0   | 5   | 9   | 12  | 17  | 21 | 23  | 29 | 32 | 37 | 41 | 45 | 47 | 53 | 57 | 61 |
| 82 10 6 21   | AZ:   | 233  | 248  |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |
| R = 10.0 KM; | OBS:  | 10   | 5    |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |
| JDGMT: 0     | DPHI: | -144 | -129 |     |     |     |     |     |     |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |
| 82 10 6 21   | AZ:   | 341  | 349  | 351 | 352 | 354 | 356 | 0   | 0   | 2   | 4   | 7   | 8   | 10 | 12  | 15 | 16 | 19 | 21 | 23 | 30 | 33 | 34 | 36 |
| R = 15.0 KM; | OBS:  | 17   | 49   | 80  | 0   | 112 | 100 | 7   | 84  | 65  | 45  | 43  | 39  | 59 | 100 | 31 | 56 | 70 | 47 | 20 | 48 | 65 | 49 | 62 |
| JDGMT: 2     | DPHI: | -36  | -28  | -26 | -25 | -23 | -21 | -17 | -16 | -15 | -13 | -10 | -9  | -7 | -5  | -2 | -1 | 2  | 4  | 6  | 13 | 16 | 17 | 19 |
|              | AZ:   | 37   | 41   | 42  | 46  | 47  | 49  | 50  | 53  | 54  | 57  | 58  | 59  | 62 | 65  | 66 | 69 | 70 | 73 | 75 | 76 | 78 |    |    |
|              | OBS:  | 63   | 56   | 47  | 53  | 10  | 21  | 36  | 29  | 3   | 10  | 68  | 10  | 10 | 14  | 9  | 14 | 11 | 0  | 5  | 8  | 1  |    |    |
|              | DPHI: | 21   | 24   | 25  | 29  | 30  | 32  | 33  | 36  | 38  | 40  | 41  | 42  | 45 | 48  | 49 | 52 | 53 | 56 | 58 | 59 | 61 |    |    |
| 82 10 6 21   | AZ:   | 349  | 351  | 353 | 355 | 355 | 359 | 2   | 2   | 4   | 7   | 9   | 10  | 12 | 15  | 17 | 18 | 20 | 23 | 25 | 26 | 28 | 31 | 34 |
| R = 20.0 KM; | OBS:  | 55   | 86   | 156 | 45  | 133 | 112 | 191 | 150 | 207 | 182 | 176 | 73  | 89 | 69  | 59 | 5  | 71 | 78 | 49 | 55 | 39 | 64 | 75 |
| JDGMT: 2     | DPHI: | -28  | -26  | -24 | -22 | -22 | -17 | -15 | -15 | -13 | -10 | -8  | -7  | -4 | -2  | 0  | 1  | 4  | 6  | 8  | 9  | 11 | 14 | 17 |
|              | AZ:   | 35   | 37   | 38  | 41  | 42  | 45  | 47  | 50  | 50  | 52  | 55  | 57  | 59 | 61  | 62 | 65 | 66 | 69 | 70 | 72 | 74 | 77 | 78 |
|              | OBS:  | 61   | 11   | 38  | 43  | 78  | 108 | 80  | 28  | 16  | 11  | 23  | 35  | 29 | 36  | 41 | 9  | 10 | 12 | 0  | 0  | 5  | 10 | 7  |
|              | DPHI: | 18   | 20   | 21  | 24  | 26  | 28  | 30  | 33  | 33  | 35  | 38  | 40  | 42 | 44  | 45 | 48 | 49 | 52 | 53 | 55 | 57 | 60 | 61 |
| 82 10 6 21   | AZ:   | 349  | 350  | 352 | 354 | 356 | 359 | 1   | 2   | 3   | 6   | 9   | 11  | 12 | 15  | 18 | 20 | 23 | 24 | 26 | 29 | 32 | 34 | 35 |
| R = 30.0 KM; | OBS:  | 21   | 43   | 97  | 115 | 93  | 103 | 149 | 168 | 175 | 124 | 114 | 148 | 69 | 96  | 40 | 3  | 58 | 73 | 56 | 41 | 4  | 0  | 35 |
| JDGMT: 2     | DPHI: | -28  | -27  | -25 | -23 | -21 | -18 | -16 | -15 | -14 | -11 | -8  | -6  | -4 | -2  | 1  | 3  | 6  | 7  | 9  | 12 | 15 | 17 | 18 |

|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|
|              | AZ:   | 38   | 41   | 42  | 44  | 47  | 48  | 50  | 53  | 54  | 56  | 58  | 62  | 64  | 66  | 69  | 71  | 73 | 77 | 79 | 81 |    |    |    |
|              | OBS:  | 69   | 95   | 13  | 0   | 0   | 2   | 0   | 8   | 11  | 27  | 24  | 6   | 0   | 3   | 13  | 22  | 0  | 0  | 3  | 9  |    |    |    |
|              | DPHI: | 21   | 24   | 25  | 27  | 30  | 31  | 33  | 36  | 37  | 39  | 41  | 45  | 48  | 49  | 52  | 54  | 56 | 60 | 62 | 64 |    |    |    |
| 82 10 6 21   | AZ:   | 350  | 354  | 357 | 3   | 6   | 9   | 16  | 19  | 23  | 25  | 31  | 34  | 40  | 43  | 46  | 50  | 55 | 58 | 62 | 66 | 71 | 74 | 79 |
| R = 50.0 KM; | OBS:  | 55   | 50   | 26  | 11  | 27  | 10  | 35  | 6   | 10  | 4   | 5   | 2   | 3   | 0   | 8   | 0   | 0  | 1  | 1  | 0  | 1  | 0  | 2  |
| JDGMT: 2     | DPHI: | -27  | -22  | -20 | -14 | -11 | -8  | -1  | 2   | 6   | 8   | 14  | 17  | 23  | 26  | 29  | 33  | 38 | 41 | 45 | 49 | 54 | 57 | 62 |
|              | AZ:   | 83   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
|              | OBS:  | 1    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
|              | DPHI: | 66   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
| 82 10 6 22   | AZ:   | 23   | 54   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
| R = 0.5 KM;  | OBS:  | 15   | 11   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
| JDGMT: 0     | DPHI: | 4    | 35   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
| 82 10 6 22   | AZ:   | 278  | 341  | 351 | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 59  | 61  | 70  | 78  |     |    |    |    |    |    |    |    |
| R = 3.0 KM;  | OBS:  | 5    | 8    | 3   | 9   | 9   | 7   | 10  | 3   | 10  | 15  | 0   | 9   | 2   | 10  | 5   |     |    |    |    |    |    |    |    |
| JDGMT: 3     | DPHI: | -101 | -38  | -28 | -22 | -14 | -5  | 4   | 11  | 24  | 28  | 35  | 40  | 42  | 52  | 60  |     |    |    |    |    |    |    |    |
| 82 10 6 22   | AZ:   | 226  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
| R = 5.0 KM;  | OBS:  | 12   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
| JDGMT: 0     | DPHI: | -152 |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
| 82 10 6 22   | AZ:   | 343  | 355  | 358 | 2   | 6   | 10  | 14  | 17  | 22  | 26  | 29  | 34  | 38  | 40  | 46  | 49  | 54 | 58 | 62 | 64 | 70 | 74 | 78 |
| R = 7.0 KM;  | OBS:  | 2    | 5    | 10  | 0   | 14  | 28  | 9   | 8   | 4   | 31  | 35  | 26  | 37  | 22  | 2   | 27  | 12 | 19 | 10 | 14 | 3  | 2  | 10 |
| JDGMT: 3     | DPHI: | -36  | -24  | -20 | -16 | -12 | -8  | -5  | -1  | 3   | 8   | 10  | 16  | 19  | 21  | 27  | 30  | 35 | 39 | 43 | 45 | 52 | 55 | 59 |
| 82 10 6 22   | AZ:   | 233  | 248  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
| R = 10.0 KM; | OBS:  | 8    | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
| JDGMT: 0     | DPHI: | -146 | -131 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
| 82 10 6 22   | AZ:   | 341  | 349  | 351 | 352 | 354 | 356 | 0   | 0   | 2   | 4   | 7   | 8   | 10  | 12  | 15  | 16  | 19 | 21 | 23 | 30 | 33 | 34 | 36 |
| R = 15.0 KM; | OBS:  | 33   | 56   | 67  | 63  | 71  | 112 | 111 | 102 | 76  | 98  | 134 | 77  | 58  | 142 | 116 | 101 | 72 | 60 | 12 | 61 | 39 | 32 | 46 |
| JDGMT: 3     | DPHI: | -38  | -30  | -28 | -26 | -25 | -22 | -19 | -18 | -17 | -15 | -12 | -11 | -9  | -6  | -4  | -3  | 0  | 2  | 4  | 11 | 14 | 15 | 17 |
|              | AZ:   | 37   | 41   | 42  | 46  | 47  | 49  | 50  | 53  | 54  | 57  | 58  | 59  | 62  | 65  | 66  | 69  | 70 | 73 | 75 | 76 | 78 |    |    |
|              | OBS:  | 41   | 52   | 38  | 41  | 26  | 66  | 10  | 30  | 10  | 15  | 18  | 5   | 6   | 7   | 13  | 0   | 0  | 11 | 9  | 13 | 4  |    |    |
|              | DPHI: | 19   | 23   | 23  | 27  | 28  | 30  | 31  | 34  | 36  | 38  | 40  | 41  | 44  | 46  | 47  | 50  | 51 | 55 | 56 | 57 | 60 |    |    |
| 82 10 6 22   | AZ:   | 349  | 351  | 353 | 355 | 355 | 359 | 2   | 2   | 4   | 7   | 9   | 10  | 12  | 15  | 17  | 18  | 20 | 23 | 25 | 26 | 28 | 31 | 34 |
| R = 20.0 KM; | OBS:  | 28   | 43   | 62  | 34  | 71  | 81  | 122 | 98  | 100 | 187 | 152 | 17  | 103 | 52  | 74  | 58  | 73 | 9  | 52 | 43 | 54 | 58 | 55 |
| JDGMT: 2     | DPHI: | -30  | -28  | -25 | -24 | -23 | -19 | -17 | -17 | -15 | -12 | -10 | -9  | -6  | -3  | -2  | 0   | 2  | 4  | 6  | 8  | 10 | 12 | 15 |
|              | AZ:   | 35   | 37   | 38  | 41  | 42  | 45  | 47  | 50  | 50  | 52  | 55  | 57  | 59  | 61  | 62  | 65  | 66 | 69 | 70 | 72 | 74 | 77 | 78 |
|              | OBS:  | 52   | 43   | 52  | 26  | 67  | 75  | 74  | 49  | 44  | 19  | 49  | 27  | 10  | 27  | 37  | 22  | 10 | 10 | 28 | 2  | 2  | 13 | 0  |
|              | DPHI: | 16   | 18   | 19  | 22  | 24  | 27  | 28  | 31  | 31  | 33  | 36  | 39  | 40  | 42  | 43  | 46  | 47 | 51 | 51 | 54 | 56 | 58 | 60 |
| 82 10 6 22   | AZ:   | 349  | 350  | 352 | 354 | 356 | 359 | 1   | 2   | 3   | 6   | 9   | 11  | 12  | 15  | 18  | 20  | 23 | 24 | 26 | 29 | 31 | 32 | 34 |
| R = 30.0 KM; | OBS:  | 11   | 1    | 10  | 75  | 54  | 88  | 62  | 148 | 91  | 119 | 106 | 1   | 104 | 49  | 48  | 69  | 71 | 48 | 39 | 53 | 34 | 14 | 8  |
| JDGMT: 2     | DPHI: | -30  | -29  | -26 | -25 | -22 | -20 | -18 | -17 | -16 | -12 | -10 | -8  | -6  | -4  | -1  | 1   | 4  | 5  | 7  | 10 | 12 | 13 | 15 |

|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|
|              | AZ:   | 35   | 38   | 41  | 42  | 44  | 47  | 48  | 50  | 53  | 54  | 56  | 58  | 62  | 64  | 66  | 69  | 71 | 73 | 77 | 79 | 81 |    |    |
|              | OBS:  | 6    | 0    | 43  | 26  | 37  | 10  | 13  | 7   | 4   | 15  | 46  | 28  | 10  | 7   | 6   | 13  | 4  | 6  | 8  | 6  | 7  |    |    |
|              | DPHI: | 16   | 19   | 22  | 24  | 25  | 28  | 30  | 31  | 34  | 35  | 37  | 40  | 44  | 46  | 48  | 50  | 52 | 54 | 58 | 60 | 62 |    |    |
| 82 10 6 22   | AZ:   | 350  | 354  | 357 | 3   | 6   | 9   | 16  | 19  | 23  | 25  | 31  | 34  | 40  | 43  | 46  | 50  | 55 | 58 | 62 | 66 | 71 | 74 | 79 |
| R = 50.0 KM; | OBS:  | 84   | 52   | 1   | 18  | 43  | 14  | 57  | 10  | 0   | 0   | 2   | 11  | 0   | 0   | 1   | 0   | 5  | 8  | 1  | 0  | 0  | 0  | 0  |
| JDGMT: 2     | DPHI: | -29  | -24  | -22 | -16 | -12 | -9  | -3  | 0   | 4   | 6   | 12  | 16  | 21  | 24  | 27  | 31  | 36 | 39 | 44 | 47 | 52 | 56 | 60 |
|              | AZ:   | 83   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
|              | OBS:  | 1    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
|              | DPHI: | 64   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
| 82 10 6 23   | AZ:   | 23   | 54   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
| R = 0.5 KM;  | OBS:  | 0    | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
| JDGMT: 0     | DPHI: | 5    | 36   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
| 82 10 6 23   | AZ:   | 278  | 341  | 351 | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 59  | 61  | 70  | 78  |     |    |    |    |    |    |    |    |
| R = 3.0 KM;  | OBS:  | 10   | 12   | 10  | 12  | 10  | 12  | 8   | 0   | 10  | 2   | 13  | 10  | 6   | 3   | 3   |     |    |    |    |    |    |    |    |
| JDGMT: 3     | DPHI: | -100 | -37  | -27 | -22 | -13 | -4  | 4   | 11  | 24  | 28  | 36  | 41  | 42  | 52  | 60  |     |    |    |    |    |    |    |    |
| 82 10 6 23   | AZ:   | 226  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
| R = 5.0 KM;  | OBS:  | 0    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
| JDGMT: 0     | DPHI: | -152 |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
| 82 10 6 23   | AZ:   | 343  | 355  | 358 | 2   | 6   | 10  | 14  | 17  | 22  | 26  | 29  | 34  | 38  | 40  | 46  | 49  | 54 | 58 | 62 | 64 | 70 | 74 | 78 |
| R = 7.0 KM;  | OBS:  | 0    | 11   | 8   | 0   | 3   | 10  | 17  | 10  | 22  | 28  | 38  | 56  | 28  | 10  | 1   | 14  | 26 | 0  | 10 | 11 | 0  | 1  | 1  |
| JDGMT: 3     | DPHI: | -35  | -23  | -20 | -16 | -12 | -8  | -4  | -1  | 4   | 8   | 11  | 16  | 20  | 22  | 28  | 31  | 36 | 40 | 44 | 46 | 52 | 56 | 60 |
| 82 10 6 23   | AZ:   | 233  | 248  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
| R = 10.0 KM; | OBS:  | 4    | 10   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
| JDGMT: 0     | DPHI: | -145 | -131 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
| 82 10 6 23   | AZ:   | 341  | 349  | 351 | 352 | 354 | 356 | 0   | 0   | 2   | 4   | 7   | 8   | 10  | 12  | 15  | 16  | 19 | 21 | 23 | 30 | 33 | 34 | 36 |
| R = 15.0 KM; | OBS:  | 9    | 26   | 56  | 49  | 68  | 98  | 107 | 10  | 122 | 80  | 150 | 145 | 102 | 107 | 127 | 102 | 69 | 36 | 31 | 41 | 30 | 29 | 54 |
| JDGMT: 3     | DPHI: | -38  | -30  | -28 | -26 | -24 | -22 | -18 | -18 | -16 | -14 | -12 | -10 | -8  | -6  | -4  | -2  | 1  | 3  | 5  | 12 | 15 | 16 | 18 |
|              | AZ:   | 37   | 41   | 42  | 46  | 47  | 49  | 50  | 53  | 54  | 57  | 58  | 59  | 62  | 65  | 66  | 69  | 70 | 73 | 75 | 76 | 78 |    |    |
|              | OBS:  | 22   | 32   | 32  | 24  | 21  | 40  | 0   | 12  | 17  | 10  | 12  | 12  | 11  | 6   | 5   | 10  | 11 | 10 | 14 | 10 | 0  |    |    |
|              | DPHI: | 19   | 23   | 24  | 27  | 29  | 30  | 32  | 34  | 36  | 39  | 40  | 41  | 44  | 47  | 48  | 51  | 52 | 55 | 57 | 58 | 60 |    |    |
| 82 10 6 23   | AZ:   | 349  | 351  | 353 | 355 | 355 | 359 | 2   | 2   | 4   | 7   | 9   | 10  | 12  | 15  | 17  | 18  | 20 | 23 | 25 | 26 | 28 | 31 | 34 |
| R = 20.0 KM; | OBS:  | 19   | 40   | 56  | 52  | 66  | 73  | 119 | 107 | 69  | 194 | 101 | 114 | 96  | 91  | 35  | 74  | 69 | 83 | 51 | 43 | 55 | 41 | 47 |
| JDGMT: 2     | DPHI: | -29  | -27  | -25 | -23 | -23 | -19 | -17 | -16 | -14 | -11 | -10 | -8  | -6  | -3  | -1  | 0   | 2  | 4  | 6  | 8  | 10 | 12 | 15 |
|              | AZ:   | 35   | 37   | 38  | 41  | 42  | 45  | 47  | 50  | 50  | 52  | 55  | 57  | 59  | 61  | 62  | 65  | 66 | 69 | 70 | 72 | 74 | 77 | 78 |
|              | OBS:  | 49   | 11   | 24  | 25  | 60  | 37  | 59  | 57  | 39  | 30  | 23  | 16  | 0   | 6   | 33  | 27  | 8  | 15 | 34 | 9  | 14 | 7  | 8  |
|              | DPHI: | 16   | 19   | 20  | 23  | 24  | 27  | 29  | 32  | 32  | 34  | 36  | 39  | 41  | 42  | 44  | 47  | 48 | 51 | 52 | 54 | 56 | 59 | 60 |
| 82 10 6 23   | AZ:   | 349  | 350  | 352 | 354 | 356 | 359 | 1   | 2   | 3   | 6   | 9   | 11  | 12  | 15  | 18  | 20  | 23 | 24 | 26 | 29 | 31 | 32 | 34 |
| R = 30.0 KM; | OBS:  | 7    | 5    | 10  | 60  | 2   | 55  | 79  | 123 | 81  | 103 | 97  | 62  | 108 | 45  | 91  | 67  | 12 | 31 | 30 | 59 | 25 | 28 | 44 |
| JDGMT: 2     | DPHI: | -29  | -28  | -26 | -24 | -22 | -19 | -17 | -16 | -16 | -12 | -9  | -7  | -6  | -3  | 0   | 2   | 4  | 6  | 8  | 10 | 13 | 14 | 15 |

|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|
|              | AZ:   | 35   | 38   | 41  | 42  | 44  | 47  | 48  | 50  | 53  | 54  | 56  | 58  | 61  | 62  | 64  | 66  | 69 | 71 | 73 | 77 | 79 | 81 |    |
|              | OBS:  | 0    | 3    | 11  | 51  | 34  | 48  | 23  | 6   | 4   | 1   | 17  | 9   | 51  | 25  | 8   | 0   | 0  | 2  | 16 | 0  | 0  | 0  |    |
|              | DPHI: | 17   | 20   | 22  | 24  | 26  | 29  | 30  | 32  | 35  | 36  | 38  | 40  | 42  | 44  | 46  | 48  | 50 | 52 | 54 | 58 | 60 | 62 |    |
| 82 10 6 23   | AZ:   | 350  | 354  | 357 | 3   | 6   | 9   | 16  | 19  | 23  | 25  | 31  | 34  | 40  | 43  | 46  | 50  | 55 | 58 | 62 | 66 | 71 | 74 | 79 |
| R = 50.0 KM; | OBS:  | 103  | 60   | 68  | 14  | 82  | 32  | 70  | 7   | 2   | 6   | 1   | 7   | 6   | 5   | 6   | 2   | 9  | 0  | 6  | 5  | 2  | 3  | 0  |
| JDGMT: 2     | DPHI: | -28  | -24  | -21 | -15 | -12 | -9  | -2  | 0   | 4   | 7   | 12  | 16  | 22  | 24  | 27  | 32  | 37 | 40 | 44 | 48 | 53 | 56 | 60 |
|              | AZ:   | 83   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
|              | OBS:  | 8    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
|              | DPHI: | 64   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
| 82 10 6 24   | AZ:   | 23   | 54   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
| R = 0.5 KM;  | OBS:  | 14   | 9    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
| JDGMT: 0     | DPHI: | 4    | 35   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
| 82 10 6 24   | AZ:   | 278  | 341  | 351 | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 59  | 61  | 70  | 78  |     |    |    |    |    |    |    |    |
| R = 3.0 KM;  | OBS:  | 10   | 10   | 8   | 0   | 5   | 6   | 10  | 0   | 10  | 13  | 10  | 10  | 21  | 1   | 1   |     |    |    |    |    |    |    |    |
| JDGMT: 2     | DPHI: | -101 | -38  | -28 | -22 | -14 | -5  | 4   | 10  | 23  | 27  | 35  | 40  | 42  | 51  | 59  |     |    |    |    |    |    |    |    |
| 82 10 6 24   | AZ:   | 226  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
| R = 5.0 KM;  | OBS:  | 0    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
| JDGMT: 0     | DPHI: | -153 |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
| 82 10 6 24   | AZ:   | 343  | 355  | 358 | 2   | 6   | 10  | 14  | 17  | 22  | 26  | 29  | 34  | 38  | 40  | 46  | 49  | 54 | 62 | 64 | 70 | 74 | 78 |    |
| R = 7.0 KM;  | OBS:  | 9    | 6    | 10  | 0   | 12  | 9   | 3   | 7   | 0   | 20  | 26  | 25  | 23  | 15  | 4   | 0   | 28 | 16 | 20 | 1  | 1  | 0  |    |
| JDGMT: 3     | DPHI: | -36  | -24  | -21 | -17 | -13 | -9  | -5  | -2  | 3   | 7   | 10  | 15  | 19  | 21  | 27  | 30  | 35 | 43 | 45 | 51 | 55 | 59 |    |
| 82 10 6 24   | AZ:   | 233  | 248  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
| R = 10.0 KM; | OBS:  | 2    | 10   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
| JDGMT: 0     | DPHI: | -146 | -132 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
| 82 10 6 24   | AZ:   | 341  | 349  | 351 | 352 | 354 | 356 | 0   | 0   | 2   | 4   | 7   | 8   | 10  | 12  | 15  | 16  | 19 | 21 | 23 | 30 | 33 | 34 | 36 |
| R = 15.0 KM; | OBS:  | 9    | 13   | 36  | 42  | 44  | 82  | 93  | 99  | 6   | 44  | 150 | 155 | 141 | 90  | 110 | 108 | 93 | 48 | 41 | 22 | 39 | 25 | 64 |
| JDGMT: 3     | DPHI: | -38  | -30  | -28 | -27 | -25 | -23 | -19 | -19 | -17 | -15 | -12 | -11 | -9  | -7  | -4  | -3  | 0  | 2  | 4  | 11 | 14 | 15 | 17 |
|              | AZ:   | 37   | 41   | 42  | 46  | 47  | 49  | 50  | 53  | 54  | 57  | 58  | 59  | 62  | 65  | 66  | 69  | 70 | 73 | 75 | 76 | 78 |    |    |
|              | OBS:  | 10   | 48   | 40  | 8   | 10  | 9   | 27  | 12  | 16  | 17  | 9   | 3   | 9   | 2   | 10  | 4   | 1  | 15 | 2  | 0  | 1  |    |    |
|              | DPHI: | 18   | 22   | 23  | 26  | 28  | 30  | 31  | 34  | 35  | 38  | 39  | 40  | 43  | 46  | 47  | 50  | 51 | 54 | 56 | 57 | 59 |    |    |
| 82 10 6 24   | AZ:   | 349  | 351  | 353 | 355 | 355 | 359 | 2   | 2   | 4   | 7   | 9   | 10  | 12  | 15  | 17  | 18  | 20 | 23 | 25 | 26 | 28 | 31 | 34 |
| R = 20.0 KM; | OBS:  | 7    | 5    | 27  | 58  | 53  | 73  | 111 | 11  | 93  | 158 | 120 | 120 | 62  | 110 | 74  | 94  | 79 | 43 | 53 | 48 | 58 | 47 | 38 |
| JDGMT: 2     | DPHI: | -30  | -28  | -26 | -24 | -24 | -20 | -18 | -17 | -15 | -12 | -11 | -9  | -7  | -4  | -2  | -1  | 1  | 3  | 5  | 7  | 9  | 12 | 15 |
|              | AZ:   | 35   | 37   | 38  | 41  | 42  | 45  | 47  | 50  | 50  | 52  | 55  | 57  | 59  | 61  | 62  | 65  | 66 | 69 | 70 | 72 | 74 | 77 | 78 |
|              | OBS:  | 40   | 44   | 59  | 24  | 43  | 27  | 17  | 63  | 56  | 20  | 32  | 15  | 0   | 10  | 24  | 19  | 16 | 29 | 11 | 0  | 2  | 8  | 0  |
|              | DPHI: | 16   | 18   | 19  | 22  | 23  | 26  | 28  | 31  | 31  | 33  | 35  | 38  | 40  | 41  | 43  | 46  | 47 | 50 | 51 | 53 | 55 | 58 | 59 |
| 82 10 6 24   | AZ:   | 349  | 350  | 352 | 354 | 356 | 359 | 1   | 2   | 3   | 6   | 9   | 11  | 12  | 15  | 18  | 20  | 23 | 24 | 26 | 29 | 31 | 32 | 34 |
| R = 30.0 KM; | OBS:  | 26   | 10   | 50  | 32  | 10  | 8   | 59  | 63  | 52  | 57  | 83  | 68  | 128 | 97  | 84  | 40  | 30 | 25 | 33 | 38 | 39 | 42 | 10 |
| JDGMT: 3     | DPHI: | -30  | -29  | -27 | -25 | -23 | -20 | -18 | -17 | -16 | -13 | -10 | -8  | -7  | -4  | -1  | 1   | 4  | 5  | 7  | 9  | 12 | 13 | 14 |

|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
|              | AZ:   | 35   | 38   | 41  | 42  | 44  | 47  | 48  | 50  | 53  | 54  | 56  | 58  | 61  | 62  | 64  | 66  | 69  | 71  | 73  | 77  | 79  | 81  |    |
|              | OBS:  | 0    | 16   | 10  | 25  | 13  | 36  | 42  | 14  | 3   | 8   | 24  | 0   | 0   | 10  | 0   | 10  | 1   | 2   | 3   | 10  | 6   | 6   |    |
|              | DPHI: | 16   | 19   | 22  | 23  | 25  | 28  | 29  | 31  | 34  | 35  | 37  | 39  | 42  | 43  | 45  | 47  | 49  | 52  | 54  | 58  | 59  | 62  |    |
| 82 10 6 24   | AZ:   | 350  | 354  | 357 | 3   | 6   | 9   | 16  | 19  | 23  | 25  | 31  | 34  | 40  | 43  | 46  | 50  | 55  | 58  | 62  | 66  | 71  | 74  | 79 |
| R = 50.0 KM; | OBS:  | 4    | 77   | 68  | 39  | 87  | 33  | 68  | 26  | 10  | 1   | 8   | 76  | 20  | 1   | 1   | 0   | 8   | 0   | 3   | 10  | 0   | 8   | 3  |
| JDGMT: 2     | DPHI: | -29  | -25  | -22 | -16 | -13 | -10 | -3  | 0   | 4   | 6   | 12  | 15  | 21  | 24  | 27  | 31  | 36  | 39  | 43  | 47  | 52  | 55  | 59 |
|              | AZ:   | 83   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|              | OBS:  | 8    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|              | DPHI: | 64   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 82 10 9 12   | AZ:   | 23   | 54   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| R = 0.5 KM;  | OBS:  | 1    | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| JDGMT: 0     | DPHI: | -16  | 15   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 82 10 9 12   | AZ:   | 278  | 341  | 351 | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 70  |     |     |     |     |     |     |     |     |     |     |    |
| R = 3.0 KM;  | OBS:  | 1    | 0    | 3   | 0   | 0   | 9   | 0   | 10  | 2   | 0   | 0   | 0   |     |     |     |     |     |     |     |     |     |     |    |
| JDGMT: 3     | DPHI: | -121 | -58  | -48 | -43 | -34 | -25 | -17 | -10 | 3   | 7   | 15  | 31  |     |     |     |     |     |     |     |     |     |     |    |
| 82 10 9 12   | AZ:   | 226  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| R = 5.0 KM;  | OBS:  | 0    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| JDGMT: 0     | DPHI: | -173 |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 82 10 9 12   | AZ:   | 233  | 351  | 355 | 358 | 2   | 6   | 10  | 14  | 17  | 22  | 26  | 29  | 34  | 38  | 40  | 46  | 49  | 54  | 58  | 62  | 66  | 70  | 74 |
| R = 7.0 KM;  | OBS:  | 2    | 6    | 3   | 0   | 4   | 2   | 0   | 6   | 6   | 0   | 5   | 3   | 10  | 3   | 4   | 11  | 0   | 5   | 2   | 0   | 0   | 0   | 3  |
| JDGMT: 3     | DPHI: | -167 | -49  | -44 | -41 | -37 | -33 | -29 | -25 | -22 | -17 | -13 | -10 | -5  | -1  | 1   | 7   | 10  | 15  | 19  | 23  | 27  | 31  | 35 |
|              | AZ:   | 78   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|              | OBS:  | 9    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|              | DPHI: | 39   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 82 10 9 12   | AZ:   | 233  | 248  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| R = 10.0 KM; | OBS:  | 3    | 27   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| JDGMT: 0     | DPHI: | -166 | -152 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 82 10 9 12   | AZ:   | 341  | 349  | 351 | 352 | 354 | 356 | 0   | 0   | 2   | 4   | 7   | 8   | 10  | 12  | 15  | 16  | 19  | 21  | 23  | 24  | 26  | 28  | 30 |
| R = 15.0 KM; | OBS:  | 6    | 0    | 0   | 0   | 4   | 0   | 0   | 2   | 2   | 6   | 0   | 0   | 3   | 0   | 7   | 0   | 3   | 5   | 10  | 3   | 0   | 4   | 0  |
| JDGMT: 3     | DPHI: | -59  | -51  | -49 | -47 | -45 | -43 | -39 | -39 | -37 | -35 | -33 | -31 | -29 | -27 | -25 | -23 | -20 | -18 | -16 | -15 | -14 | -11 | -9 |
|              | AZ:   | 33   | 34   | 36  | 37  | 41  | 42  | 46  | 47  | 49  | 50  | 53  | 54  | 57  | 58  | 59  | 62  | 65  | 66  | 69  | 70  | 73  | 75  | 76 |
|              | OBS:  | 0    | 0    | 3   | 20  | 48  | 21  | 39  | 11  | 0   | 5   | 10  | 9   | 10  | 0   | 1   | 0   | 2   | 7   | 2   | 3   | 0   | 3   | 7  |
|              | DPHI: | -6   | -5   | -3  | -2  | 2   | 3   | 6   | 8   | 9   | 11  | 13  | 15  | 18  | 19  | 20  | 23  | 26  | 27  | 29  | 31  | 34  | 36  | 37 |
|              | AZ:   | 78   | 89   | 90  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|              | OBS:  | 4    | 0    | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|              | DPHI: | 39   | 50   | 50  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 82 10 9 12   | AZ:   | 347  | 351  | 353 | 355 | 355 | 359 | 2   | 2   | 4   | 7   | 9   | 10  | 12  | 15  | 17  | 18  | 20  | 23  | 25  | 26  | 28  | 31  | 34 |
| R = 20.0 KM; | OBS:  | 0    | 1    | 0   | 0   | 2   | 10  | 7   | 0   | 5   | 2   | 4   | 1   | 4   | 4   | 1   | 3   | 0   | 0   | 3   | 9   | 10  | 0   | 3  |
| JDGMT: 3     | DPHI: | -52  | -48  | -46 | -44 | -44 | -40 | -38 | -37 | -35 | -32 | -31 | -29 | -27 | -24 | -22 | -21 | -19 | -17 | -15 | -13 | -11 | -9  | -6 |

|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|
|              | AZ:   | 35   | 37   | 38  | 41  | 42  | 45  | 47  | 50  | 50  | 52  | 55  | 57  | 59  | 61  | 62  | 66  | 69  | 70  |     |     |     |    |    |
|              | OBS:  | 13   | 8    | 43  | 46  | 65  | 81  | 42  | 44  | 44  | 1   | 0   | 2   | 5   | 1   | 10  | 0   | 3   | 1   |     |     |     |    |    |
|              | DPHI: | -5   | -3   | -1  | 2   | 3   | 6   | 8   | 11  | 11  | 13  | 15  | 18  | 20  | 21  | 23  | 27  | 30  | 31  |     |     |     |    |    |
| 82 10 9 12   | AZ:   | 349  | 350  | 352 | 354 | 356 | 359 | 1   | 2   | 3   | 6   | 9   | 11  | 12  | 15  | 18  | 20  | 23  | 24  | 26  | 29  | 31  | 32 | 34 |
| R = 30.0 KM; | OBS:  | 2    | 9    | 0   | 4   | 2   | 0   | 0   | 0   | 4   | 2   | 4   | 0   | 0   | 5   | 0   | 0   | 0   | 0   | 0   | 7   | 6   | 10 | 5  |
| JDGMT: 3     | DPHI: | -50  | -49  | -47 | -45 | -43 | -40 | -38 | -37 | -37 | -33 | -30 | -28 | -27 | -24 | -21 | -19 | -17 | -15 | -13 | -11 | -9  | -7 | -6 |
|              | AZ:   | 35   | 38   | 41  | 42  | 44  | 47  | 48  | 50  | 53  | 54  | 56  | 58  | 61  | 62  | 64  | 66  | 69  | 71  | 73  | 77  | 79  | 81 |    |
|              | OBS:  | 4    | 14   | 40  | 53  | 70  | 111 | 93  | 90  | 78  | 44  | 0   | 3   | 0   | 0   | 0   | 2   | 0   | 4   | 10  | 0   | 1   | 5  |    |
|              | DPHI: | -4   | -1   | 1   | 3   | 5   | 8   | 9   | 11  | 14  | 15  | 17  | 19  | 21  | 23  | 25  | 27  | 29  | 31  | 33  | 37  | 39  | 41 |    |
| 82 10 9 12   | AZ:   | 350  | 354  | 357 | 3   | 6   | 9   | 16  | 19  | 23  | 25  | 31  | 34  | 40  | 43  | 46  | 50  | 55  | 58  | 62  | 66  | 71  | 74 | 79 |
| R = 50.0 KM; | OBS:  | 2    | 9    | 6   | 0   | 0   | 9   | 0   | 1   | 10  | 7   | 10  | 21  | 43  | 64  | 89  | 91  | 9   | 2   | 0   | 7   | 1   | 0  | 0  |
| JDGMT: 3     | DPHI: | -49  | -45  | -42 | -36 | -33 | -30 | -23 | -21 | -17 | -14 | -9  | -5  | 1   | 3   | 6   | 11  | 16  | 19  | 23  | 27  | 32  | 35 | 39 |
|              | AZ:   | 83   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|              | OBS:  | 0    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|              | DPHI: | 43   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 82 10 9 13   | AZ:   | 23   | 54   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| R = 0.5 KM;  | OBS:  | 4    | 8    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| JDGMT: 0     | DPHI: | -14  | 18   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 82 10 9 13   | AZ:   | 278  | 341  | 351 | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 70  |     |     |     |     |     |     |     |     |     |    |    |
| R = 3.0 KM;  | OBS:  | 31   | 7    | 5   | 0   | 10  | 0   | 10  | 11  | 0   | 5   | 0   | 0   |     |     |     |     |     |     |     |     |     |    |    |
| JDGMT: 2     | DPHI: | -118 | -56  | -45 | -40 | -31 | -22 | -14 | -7  | 6   | 10  | 18  | 34  |     |     |     |     |     |     |     |     |     |    |    |
| 82 10 9 13   | AZ:   | 226  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| R = 5.0 KM;  | OBS:  | 4    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| JDGMT: 0     | DPHI: | -170 |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 82 10 9 13   | AZ:   | 233  | 351  | 355 | 358 | 2   | 6   | 10  | 14  | 17  | 22  | 26  | 29  | 34  | 38  | 40  | 46  | 49  | 54  | 58  | 62  | 66  | 70 | 74 |
| R = 7.0 KM;  | OBS:  | 7    | 3    | 0   | 6   | 7   | 5   | 0   | 0   | 8   | 12  | 14  | 10  | 16  | 9   | 11  | 30  | 14  | 11  | 9   | 5   | 1   | 6  | 5  |
| JDGMT: 3     | DPHI: | -164 | -46  | -41 | -38 | -34 | -30 | -26 | -22 | -19 | -14 | -10 | -7  | -2  | 2   | 3   | 9   | 13  | 18  | 22  | 26  | 30  | 34 | 38 |
|              | AZ:   | 78   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|              | OBS:  | 3    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|              | DPHI: | 42   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 82 10 9 13   | AZ:   | 233  | 248  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| R = 10.0 KM; | OBS:  | 44   | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| JDGMT: 0     | DPHI: | -163 | -149 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 82 10 9 13   | AZ:   | 341  | 349  | 351 | 352 | 354 | 356 | 0   | 0   | 2   | 4   | 7   | 8   | 10  | 12  | 15  | 16  | 19  | 21  | 23  | 24  | 26  | 28 | 30 |
| R = 15.0 KM; | OBS:  | 7    | 0    | 7   | 3   | 1   | 0   | 3   | 4   | 2   | 0   | 0   | 2   | 0   | 6   | 9   | 2   | 0   | 7   | 2   | 10  | 2   | 9  | 3  |
| JDGMT: 3     | DPHI: | -56  | -48  | -46 | -44 | -42 | -40 | -36 | -36 | -34 | -32 | -30 | -28 | -26 | -24 | -22 | -21 | -17 | -15 | -13 | -12 | -11 | -8 | -7 |
|              | AZ:   | 33   | 34   | 36  | 37  | 41  | 42  | 46  | 47  | 49  | 50  | 53  | 54  | 57  | 58  | 59  | 62  | 65  | 66  | 69  | 70  | 73  | 75 | 76 |
|              | OBS:  | 5    | 8    | 10  | 13  | 0   | 4   | 28  | 26  | 44  | 34  | 6   | 2   | 0   | 10  | 0   | 4   | 0   | 3   | 0   | 0   | 2   | 3  | 5  |
|              | DPHI: | -3   | -2   | 0   | 1   | 5   | 6   | 9   | 11  | 12  | 14  | 16  | 18  | 20  | 22  | 23  | 26  | 29  | 30  | 32  | 34  | 37  | 39 | 40 |



AZ: 78 89 90  
 OBS: 0 13 3  
 DPHI: 42 53 53

82 10 9 13 AZ: 347 351 353 355 355 359 2 2 4 7 9 10 12 15 17 18 20 23 25 26 28 31 34  
 R = 20.0 KM; OBS: 1 0 0 0 0 0 7 0 0 0 0 10 0 3 2 4 1 3 2 4 4 1 4  
 JDGMT: 3 DPHI: -49 -45 -43 -41 -41 -37 -35 -34 -32 -29 -28 -26 -24 -21 -19 -18 -16 -14 -12 -10 -8 -6 -3

AZ: 35 37 38 41 42 45 47 50 50 52 55 57 59 61 62 65 66 69 70 72 74 77 78  
 OBS: 11 10 7 10 4 18 45 59 48 20 2 0 9 0 5 0 2 1 2 10 3 0 3  
 DPHI: -2 0 2 5 6 9 11 14 14 16 18 21 23 24 26 29 30 33 33 36 38 41 42

AZ: 83  
 OBS: 0  
 DPHI: 46

82 10 9 13 AZ: 349 350 352 354 356 359 1 2 3 6 9 11 12 15 18 20 23 24 26 29 31 32 34  
 R = 30.0 KM; OBS: 0 10 9 5 10 3 0 3 3 0 0 7 1 3 4 8 0 0 4 0 1 0 0  
 JDGMT: 3 DPHI: -48 -46 -44 -42 -40 -37 -35 -34 -34 -30 -28 -25 -24 -21 -18 -16 -14 -12 -10 -8 -6 -4 -3

AZ: 35 38 41 42 44 47 48 50 53 54 56 58 61 62 64 66 69 71 73 77 79 81  
 OBS: 4 12 21 10 22 50 113 147 116 87 59 10 1 3 0 0 0 1 10 1 0 7  
 DPHI: -1 2 4 6 8 11 12 14 17 18 20 22 24 26 28 30 32 34 36 40 42 44

82 10 9 13 AZ: 350 354 357 3 6 9 16 19 23 25 31 34 40 43 46 50 55 58 62 66 71 74 79  
 R = 50.0 KM; OBS: 7 3 4 3 3 0 0 4 0 0 5 0 15 10 58 96 20 1 0 0 2 0 2  
 JDGMT: 3 DPHI: -46 -42 -39 -33 -30 -27 -20 -18 -14 -11 -6 -2 3 6 9 14 18 22 26 30 35 38 42

AZ: 83  
 OBS: 0  
 DPHI: 46

82 10 9 14 AZ: 23 54  
 R = 0.5 KM; OBS: 1 5  
 JDGMT: 0 DPHI: -21 10

82 10 9 14 AZ: 278 341 351 357 5 14 23 30 42 46 54 70  
 R = 3.0 KM; OBS: 16 0 6 0 16 10 18 0 10 0 5 0  
 JDGMT: 3 DPHI: -125 -63 -52 -47 -39 -29 -21 -14 -1 3 11 27

82 10 9 14 AZ: 226  
 R = 5.0 KM; OBS: 1  
 JDGMT: 0 DPHI: 183

82 10 9 14 AZ: 233 351 355 358 2 6 10 14 17 22 26 29 34 38 40 46 49 54 58 62 66 70 74  
 R = 7.0 KM; OBS: 0 4 1 1 3 0 0 0 2 6 18 11 10 11 50 67 7 1 1 0 1 3 0  
 JDGMT: 3 DPHI: -171 -53 -48 -45 -41 -37 -33 -29 -26 -22 -17 -14 -9 -6 -4 2 6 11 15 18 23 27 31

AZ: 78  
 OBS: 1  
 DPHI: 35

82 10 9 14 AZ: 233 248  
R = 10.0 KM; OBS: 13 6  
JDGMT: 0 DPHI: -170 -156

82 10 9 14 AZ: 341 349 351 352 354 356 0 0 2 4 7 8 10 12 15 16 19 21 23 24 26 28 30  
R = 15.0 KM; OBS: 4 0 2 0 4 0 0 1 2 0 0 0 7 5 0 0 5 0 1 3 0 0 0  
JDGMT: 3 DPHI: -63 -55 -53 -51 -49 -47 -43 -43 -41 -40 -37 -36 -34 -31 -29 -28 -25 -23 -20 -20 -18 -15 -14

AZ: 33 34 36 37 41 42 46 47 49 50 53 54 57 58 59 62 65 66 69 70 73 75 76  
OBS: 1 0 5 17 8 6 60 135 111 108 70 6 3 3 0 0 2 7 0 0 5 4  
DPHI: -10 -10 -8 -6 -2 -2 2 3 5 7 9 11 13 15 16 19 21 23 25 26 30 32 32

AZ: 78 89 90  
OBS: 0 2 0  
DPHI: 35 46 46

82 10 9 14 AZ: 347 351 353 355 355 359 2 2 4 7 9 10 12 15 17 18 20 23 25 26 28 31 34  
R = 20.0 KM; OBS: 0 1 1 5 0 2 9 0 0 1 0 4 4 10 0 0 0 0 0 0 0 3 0  
JDGMT: 3 DPHI: -57 -53 -50 -49 -48 -44 -42 -42 -39 -36 -35 -34 -31 -28 -26 -25 -23 -21 -19 -17 -15 -13 -10

AZ: 35 37 38 41 42 45 47 50 50 52 55 57 59 61 62 65 66 69 70 72 74 77 78  
OBS: 2 12 10 2 18 73 115 94 97 40 44 6 2 4 3 0 0 0 11 7 7 10 0  
DPHI: -9 -7 -6 -3 -1 2 3 6 7 8 11 14 16 17 19 21 23 26 26 29 31 33 35

AZ: 83  
OBS: 10  
DPHI: 39

82 10 9 14 AZ: 349 350 352 354 356 359 1 2 3 6 9 11 12 15 18 20 23 24 26 29 31 32 34  
R = 30.0 KM; OBS: 1 10 0 0 4 4 0 1 0 0 0 0 10 0 8 0 3 9 5 2 0 5  
JDGMT: 3 DPHI: -55 -54 -51 -50 -47 -44 -43 -41 -41 -37 -35 -33 -31 -29 -26 -23 -21 -19 -18 -15 -13 -11 -10

AZ: 35 38 41 42 44 47 48 50 53 54 56 58 61 62 64 66 69 71 73 77 79 81  
OBS: 6 7 8 9 40 86 135 117 112 61 45 0 1 6 0 1 7 0 1 7 0 0  
DPHI: -9 -6 -3 -1 1 3 5 7 9 11 12 15 17 19 21 23 25 27 29 33 35 37

82 10 9 14 AZ: 350 354 357 3 6 9 16 19 23 25 31 34 40 43 46 50 55 58 62 66 71 74 79  
R = 50.0 KM; OBS: 9 3 6 2 0 1 2 0 0 2 3 0 2 12 10 86 60 14 5 0 7 0 0  
JDGMT: 3 DPHI: -53 -49 -47 -40 -37 -34 -27 -25 -21 -19 -13 -9 -4 -1 2 7 11 15 19 22 27 31 35

AZ: 83  
OBS: 0  
DPHI: 39

82 10 9 15 AZ: 23 54  
R = 0.5 KM; OBS: 10 0  
JDGMT: 0 DPHI: -22 9

82 10 9 15 AZ: 278 341 351 357 5 14 23 30 42 46 54 70  
R = 3.0 KM; OBS: 10 10 10 0 11 0 1 0 0 10 0 0  
JDGMT: 3 DPHI: -126 -64 -53 -48 -40 -30 -22 -15 -2 2 10 26

82 10 9 15 AZ: 226  
R = 5.0 KM; OBS: 0  
JDGMT: 0 DPHI: 182

82 10 9 15 AZ: 233 351 355 358 2 6 10 14 17 22 26 29 34 38 40 46 49 54 58 62 66 70 74  
R = 7.0 KM; OBS: 0 3 0 6 8 0 6 0 10 1 19 8 62 79 71 72 12 9 3 8 7 1 2  
JDGMT: 3 DPHI: -172 -54 -49 -46 -42 -38 -34 -30 -27 -23 -18 -15 -10 -7 -5 1 5 10 14 17 22 26 30

AZ: 78  
OBS: 10  
DPHI: 34

82 10 9 15 AZ: 233 248  
R = 10.0 KM; OBS: 8 10  
JDGMT: 0 DPHI: -171 -157

82 10 9 15 AZ: 341 349 351 352 354 356 0 0 2 4 7 8 10 12 15 16 19 21 23 24 26 28 30  
R = 15.0 KM; OBS: 0 1 0 0 0 5 1 4 2 2 2 4 2 4 0 10 2 0 0 8 5 0 3  
JDGMT: 3 DPHI: -64 -56 -54 -52 -50 -48 -44 -44 -42 -40 -38 -37 -35 -32 -30 -29 -25 -24 -21 -21 -19 -16 -15

AZ: 33 34 36 37 41 42 46 47 49 50 53 54 57 58 59 62 65 66 69 70 73 75 76  
OBS: 10 7 11 14 35 36 134 173 175 152 107 50 21 13 3 0 3 0 7 8 0 0 0  
DPHI: -11 -10 -8 -7 -3 -3 1 2 4 6 8 10 12 14 15 18 21 22 24 26 29 31 31

AZ: 78 89 90  
OBS: 5 7 1  
DPHI: 34 45 45

82 10 9 15 AZ: 347 351 353 355 355 359 2 2 4 7 9 10 12 15 17 18 20 23 25 26 28 31 34  
R = 20.0 KM; OBS: 10 0 3 0 0 0 9 5 7 0 0 0 0 0 2 1 3 0 9 6 0 3 1  
JDGMT: 3 DPHI: -58 -54 -51 -50 -49 -45 -43 -42 -40 -37 -36 -35 -32 -29 -27 -26 -24 -22 -20 -18 -16 -14 -11

AZ: 35 37 38 41 42 45 47 50 50 52 55 57 59 61 62 65 66 69 70 72 74 77 78  
OBS: 5 6 4 15 48 193 218 131 120 93 56 31 6 0 0 4 0 6 2 0 7 0 0  
DPHI: -10 -8 -7 -3 -2 1 2 5 6 8 10 13 15 16 18 20 22 25 25 28 30 32 34

AZ: 83  
OBS: 8  
DPHI: 38

82 10 9 15 AZ: 349 350 352 354 356 359 1 2 3 6 9 11 12 15 18 20 23 24 26 29 31 32 34  
R = 30.0 KM; OBS: 0 0 6 1 1 7 0 9 3 0 1 2 0 0 0 3 10 0 5 4 0 0 1  
JDGMT: 3 DPHI: -56 -54 -52 -51 -48 -45 -44 -42 -42 -38 -36 -33 -32 -30 -26 -24 -22 -20 -19 -16 -14 -12 -11

AZ: 35 38 41 42 44 47 48 50 53 54 56 58 61 62 64 66 69 71 73 77 79 81  
OBS: 10 8 34 53 100 138 146 111 123 101 35 10 4 0 5 0 4 4 3 1 2 0  
DPHI: -10 -6 -4 -2 0 3 4 6 8 10 12 14 16 18 20 22 24 26 28 32 34 36

82 10 9 15 AZ: 350 354 357 3 6 9 16 19 23 25 31 34 40 43 46 50 55 58 62 66 71 74 79  
R = 50.0 KM; OBS: 3 2 3 0 0 4 0 5 0 7 0 0 10 10 39 91 46 12 4 7 1 0 0  
JDGMT: 3 DPHI: -54 -50 -47 -41 -38 -35 -28 -26 -22 -19 -14 -10 -5 -2 1 6 10 14 18 22 27 30 34

AZ: 83  
OBS: 8  
DPHI: 38

82 10 9 16 AZ: 23 54  
R = 0.5 KM; OBS: 0 0  
JDGMT: 0 DPHI: -16 15

82 10 9 16 AZ: 278 341 351 357 5 14 23 30 42 46 54 70  
R = 3.0 KM; OBS: 10 0 5 5 0 0 13 10 1 0 10 9  
JDGMT: 3 DPHI: -121 -58 -48 -42 -34 -25 -16 -9 3 7 15 31

82 10 9 16 AZ: 226  
R = 5.0 KM; OBS: 2  
JDGMT: 0 DPHI: -173

82 10 9 16 AZ: 233 351 355 358 2 6 10 14 17 22 26 29 34 38 40 46 49 54 58 62 66 70 74  
R = 7.0 KM; OBS: 0 10 10 10 8 9 2 7 0 3 17 50 90 89 26 1 0 5 0 3 3 0 9  
JDGMT: 3 DPHI: -166 -49 -44 -41 -37 -33 -29 -25 -22 -17 -13 -10 -5 -1 1 7 10 15 19 23 27 31 35

AZ: 78  
OBS: 0  
DPHI: 39

82 10 9 16 AZ: 233 248  
R = 10.0 KM; OBS: 0 9  
JDGMT: 0 DPHI: -166 -151

82 10 9 16 AZ: 341 349 351 352 354 356 0 0 2 4 7 8 10 12 15 16 19 21 23 24 26 28 30  
R = 15.0 KM; OBS: 0 6 0 2 0 9 5 0 10 0 9 0 5 0 0 0 9 0 6 6 10 8 10  
JDGMT: 3 DPHI: -58 -50 -48 -47 -45 -43 -39 -39 -37 -35 -32 -31 -29 -27 -24 -23 -20 -18 -16 -15 -13 -11 -9

AZ: 33 34 36 37 41 42 46 47 49 50 53 54 57 58 59 62 65 66 69 70 73 75 76  
OBS: 48 68 84 171 141 0 40 22 16 10 1 1 10 0 0 1 6 0 6 0 2 11 5  
DPHI: -6 -5 -3 -2 2 3 7 8 10 11 14 15 18 19 20 23 26 27 30 31 34 36 37

AZ: 78 89 90  
OBS: 0 9 0  
DPHI: 39 50 51

82 10 9 16 AZ: 347 351 353 355 355 359 2 2 4 7 9 10 12 15 17 18 20 23 25 26 28 31 34  
R = 20.0 KM; OBS: 7 0 7 1 3 3 0 0 0 8 0 0 2 0 1 2 0 4 1 0 10 0 18  
JDGMT: 3 DPHI: -52 -48 -46 -44 -44 -40 -38 -37 -35 -32 -31 -29 -27 -24 -22 -21 -19 -17 -15 -13 -11 -8 -5

AZ: 35 37 38 41 42 45 47 50 50 52 55 57 59 61 62 65 66 69 70 72 74 77 78  
OBS: 25 71 131 179 145 62 29 9 22 7 0 4 2 2 10 1 0 1 0 4 6 0 2  
DPHI: -4 -2 -1 2 3 6 8 11 11 13 15 18 20 21 23 26 27 30 31 33 35 38 39

AZ: 83  
OBS: 9  
DPHI: 44

|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|
| 82 10 9 16   | AZ:   | 349  | 350  | 352 | 354 | 356 | 359 | 1   | 2   | 3   | 6   | 9   | 11  | 12  | 15  | 18  | 20  | 23  | 24  | 26  | 29  | 31  | 32 | 34 |
| R = 30.0 KM; | OBS:  | 3    | 0    | 0   | 0   | 0   | 10  | 0   | 3   | 0   | 0   | 0   | 0   | 1   | 0   | 3   | 4   | 5   | 6   | 0   | 7   | 0   | 7  | 10 |
| JDGMT: 3     | DPHI: | -50  | -49  | -47 | -45 | -43 | -40 | -38 | -37 | -36 | -33 | -30 | -28 | -27 | -24 | -21 | -19 | -16 | -15 | -13 | -11 | -8  | -7 | -5 |
|              | AZ:   | 35   | 38   | 41  | 42  | 44  | 47  | 48  | 50  | 53  | 54  | 56  | 58  | 61  | 62  | 64  | 66  | 69  | 71  | 73  | 77  | 79  | 81 |    |
|              | OBS:  | 23   | 53   | 140 | 225 | 185 | 81  | 82  | 55  | 30  | 0   | 0   | 1   | 1   | 5   | 0   | 0   | 0   | 0   | 1   | 0   | 5   | 4  |    |
|              | DPHI: | -4   | -1   | 2   | 3   | 5   | 8   | 9   | 11  | 14  | 15  | 17  | 19  | 22  | 23  | 25  | 27  | 29  | 32  | 34  | 38  | 40  | 42 |    |
| 82 10 9 16   | AZ:   | 350  | 354  | 357 | 3   | 6   | 9   | 16  | 19  | 23  | 25  | 31  | 34  | 40  | 43  | 46  | 50  | 55  | 58  | 62  | 66  | 71  | 74 | 79 |
| R = 50.0 KM; | OBS:  | 1    | 1    | 0   | 2   | 2   | 4   | 0   | 0   | 8   | 0   | 0   | 3   | 54  | 44  | 72  | 108 | 19  | 11  | 0   | 0   | 0   | 4  | 5  |
| JDGMT: 3     | DPHI: | -49  | -45  | -42 | -36 | -33 | -30 | -23 | -20 | -16 | -14 | -8  | -5  | 1   | 4   | 7   | 11  | 16  | 19  | 23  | 27  | 32  | 35 | 40 |
|              | AZ:   | 83   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|              | OBS:  | 4    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|              | DPHI: | 44   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 82 10 9 17   | AZ:   | 23   | 54   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| R = 0.5 KM;  | OBS:  | 2    | 1    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| JDGMT: 0     | DPHI: | -14  | 17   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 82 10 9 17   | AZ:   | 278  | 341  | 351 | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 70  |     |     |     |     |     |     |     |     |     |    |    |
| R = 3.0 KM;  | OBS:  | 3    | 8    | 1   | 7   | 5   | 6   | 10  | 14  | 1   | 1   | 0   | 8   |     |     |     |     |     |     |     |     |     |    |    |
| JDGMT: 3     | DPHI: | -119 | -56  | -46 | -40 | -32 | -23 | -14 | -7  | 5   | 9   | 17  | 33  |     |     |     |     |     |     |     |     |     |    |    |
| 82 10 9 17   | AZ:   | 226  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| R = 5.0 KM;  | OBS:  | 10   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| JDGMT: 0     | DPHI: | -171 |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 82 10 9 17   | AZ:   | 233  | 351  | 355 | 358 | 2   | 6   | 10  | 14  | 17  | 22  | 26  | 29  | 34  | 38  | 40  | 46  | 49  | 54  | 58  | 62  | 66  | 70 | 74 |
| R = 7.0 KM;  | OBS:  | 2    | 1    | 1   | 3   | 0   | 0   | 6   | 7   | 3   | 0   | 20  | 46  | 39  | 23  | 5   | 12  | 0   | 4   | 0   | 0   | 0   | 1  | 2  |
| JDGMT: 3     | DPHI: | -164 | -46  | -42 | -39 | -35 | -31 | -27 | -23 | -20 | -15 | -11 | -8  | -3  | 1   | 3   | 9   | 12  | 17  | 21  | 25  | 29  | 33 | 37 |
|              | AZ:   | 78   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|              | OBS:  | 2    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|              | DPHI: | 41   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 82 10 9 17   | AZ:   | 233  | 248  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| R = 10.0 KM; | OBS:  | 0    | 7    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| JDGMT: 0     | DPHI: | -164 | -149 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 82 10 9 17   | AZ:   | 341  | 349  | 351 | 352 | 354 | 356 | 0   | 0   | 2   | 4   | 7   | 8   | 10  | 12  | 15  | 16  | 19  | 21  | 23  | 24  | 26  | 28 | 30 |
| R = 15.0 KM; | OBS:  | 3    | 0    | 0   | 1   | 3   | 3   | 1   | 5   | 1   | 4   | 3   | 3   | 11  | 0   | 7   | 2   | 4   | 8   | 1   | 1   | 0   | 9  | 4  |
| JDGMT: 3     | DPHI: | -56  | -48  | -46 | -45 | -43 | -41 | -37 | -37 | -35 | -33 | -30 | -29 | -27 | -25 | -22 | -21 | -18 | -16 | -14 | -13 | -11 | -9 | -7 |
|              | AZ:   | 33   | 34   | 36  | 37  | 41  | 42  | 46  | 47  | 49  | 50  | 53  | 54  | 57  | 58  | 59  | 62  | 65  | 66  | 69  | 70  | 73  | 75 | 76 |
|              | OBS:  | 49   | 74   | 105 | 142 | 52  | 34  | 10  | 8   | 0   | 7   | 0   | 0   | 6   | 1   | 0   | 0   | 4   | 0   | 8   | 10  | 1   | 6  | 0  |
|              | DPHI: | -4   | -3   | -1  | 0   | 4   | 5   | 9   | 10  | 12  | 13  | 16  | 17  | 20  | 21  | 22  | 25  | 28  | 29  | 32  | 33  | 36  | 38 | 39 |
|              | AZ:   | 78   | 89   | 90  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|              | OBS:  | 0    | 0    | 3   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|              | DPHI: | 41   | 52   | 53  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |

|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|
| 82 10 9 17   | AZ:   | 347  | 351  | 353 | 355 | 355 | 359 | 2   | 2   | 4   | 7   | 9   | 10  | 12  | 15  | 17  | 18  | 20  | 23  | 25  | 26  | 28 | 31 | 34 |
| R = 20.0 KM; | OBS:  | 0    | 8    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 7   | 4   | 3   | 7   | 6   | 8   | 1   | 0   | 2   | 0   | 4  | 1  | 14 |
| JDGMT: 3     | DPHI: | -50  | -46  | -44 | -42 | -42 | -38 | -35 | -35 | -33 | -30 | -28 | -27 | -25 | -22 | -20 | -19 | -17 | -15 | -12 | -11 | -9 | -6 | -3 |
|              | AZ:   | 35   | 37   | 38  | 41  | 42  | 45  | 47  | 50  | 50  | 52  | 55  | 57  | 59  | 61  | 62  | 65  | 66  | 69  | 70  | 72  | 74 | 77 | 78 |
|              | OBS:  | 22   | 63   | 107 | 107 | 69  | 44  | 22  | 5   | 0   | 6   | 1   | 0   | 0   | 0   | 1   | 0   | 3   | 4   | 0   | 2   | 0  | 2  | 0  |
|              | DPHI: | -2   | 0    | 1   | 4   | 5   | 8   | 10  | 13  | 13  | 15  | 18  | 20  | 22  | 24  | 25  | 28  | 29  | 32  | 33  | 35  | 37 | 40 | 41 |
|              | AZ:   | 83   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
|              | OBS:  | 0    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
|              | DPHI: | 46   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| 82 10 9 17   | AZ:   | 349  | 350  | 352 | 354 | 356 | 359 | 1   | 2   | 3   | 6   | 9   | 11  | 12  | 15  | 18  | 20  | 23  | 24  | 26  | 29  | 31 | 32 | 34 |
| R = 30.0 KM; | OBS:  | 0    | 2    | 0   | 4   | 1   | 9   | 4   | 1   | 0   | 4   | 0   | 0   | 1   | 0   | 3   | 4   | 1   | 0   | 5   | 0   | 0  | 3  | 10 |
| JDGMT: 3     | DPHI: | -48  | -47  | -45 | -43 | -41 | -38 | -36 | -35 | -34 | -31 | -28 | -26 | -25 | -22 | -19 | -17 | -14 | -13 | -11 | -8  | -6 | -5 | -3 |
|              | AZ:   | 35   | 38   | 41  | 42  | 44  | 47  | 48  | 50  | 53  | 54  | 56  | 58  | 61  | 62  | 64  | 66  | 69  | 71  | 73  | 77  | 79 | 81 |    |
|              | OBS:  | 22   | 46   | 105 | 115 | 125 | 60  | 27  | 18  | 10  | 12  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 3   | 0   | 1   | 3  | 4  |    |
|              | DPHI: | -2   | 1    | 4   | 5   | 7   | 10  | 11  | 13  | 16  | 17  | 19  | 21  | 24  | 25  | 27  | 29  | 32  | 34  | 36  | 40  | 42 | 44 |    |
| 82 10 9 17   | AZ:   | 350  | 354  | 357 | 3   | 6   | 9   | 16  | 19  | 23  | 25  | 31  | 34  | 40  | 43  | 46  | 50  | 55  | 58  | 62  | 66  | 71 | 74 | 79 |
| R = 50.0 KM; | OBS:  | 1    | 0    | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 7   | 1   | 1   | 51  | 64  | 113 | 49  | 0   | 1   | 0   | 0   | 5  | 9  | 0  |
| JDGMT: 3     | DPHI: | -47  | -43  | -40 | -34 | -31 | -28 | -21 | -18 | -14 | -12 | -6  | -3  | 3   | 6   | 9   | 13  | 18  | 21  | 25  | 29  | 34 | 37 | 42 |
|              | AZ:   | 83   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
|              | OBS:  | 1    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
|              | DPHI: | 46   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| 82 10 9 18   | AZ:   | 23   | 54   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| R = 0.5 KM;  | OBS:  | 2    | 1    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| JDGMT: 0     | DPHI: | -17  | 14   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| 82 10 9 18   | AZ:   | 278  | 341  | 351 | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 70  |     |     |     |     |     |     |     |     |    |    |    |
| R = 3.0 KM;  | OBS:  | 0    | 5    | 4   | 0   | 8   | 10  | 6   | 0   | 7   | 0   | 0   | 34  |     |     |     |     |     |     |     |     |    |    |    |
| JDGMT: 2     | DPHI: | -122 | -59  | -49 | -44 | -35 | -26 | -18 | -11 | 2   | 6   | 14  | 30  |     |     |     |     |     |     |     |     |    |    |    |
| 82 10 9 18   | AZ:   | 226  |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| R = 5.0 KM;  | OBS:  | 7    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| JDGMT: 0     | DPHI: | -174 |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| 82 10 9 18   | AZ:   | 233  | 351  | 355 | 358 | 2   | 6   | 10  | 14  | 17  | 22  | 26  | 29  | 34  | 38  | 40  | 46  | 49  | 54  | 58  | 62  | 66 | 70 | 74 |
| R = 7.0 KM;  | OBS:  | 9    | 1    | 0   | 10  | 1   | 0   | 0   | 4   | 10  | 8   | 5   | 24  | 51  | 30  | 23  | 11  | 10  | 26  | 48  | 30  | 11 | 11 | 0  |
| JDGMT: 3     | DPHI: | -168 | -50  | -45 | -42 | -38 | -34 | -30 | -26 | -23 | -18 | -14 | -11 | -6  | -2  | 0   | 6   | 9   | 14  | 18  | 22  | 26 | 30 | 34 |
|              | AZ:   | 78   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
|              | OBS:  | 3    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
|              | DPHI: | 38   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| 82 10 9 18   | AZ:   | 233  | 248  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| R = 10.0 KM; | OBS:  | 0    | 9    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| JDGMT: 0     | DPHI: | -167 | -153 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |

|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 82 10 9 18   | AZ:   | 341  | 349 | 351 | 352 | 354 | 356 | 0   | 0   | 2   | 4   | 7   | 8   | 10  | 12  | 15  | 16  | 19  | 21  | 23  | 24  | 26  | 28  | 30  |
| R = 15.0 KM; | OBS:  | 0    | 0   | 0   | 1   | 4   | 0   | 0   | 0   | 1   | 4   | 1   | 1   | 10  | 5   | 2   | 10  | 3   | 6   | 0   | 5   | 7   | 1   | 0   |
| JDGMT: 3     | DPHI: | -60  | -51 | -50 | -48 | -46 | -44 | -40 | -40 | -38 | -36 | -34 | -32 | -30 | -28 | -26 | -24 | -21 | -19 | -17 | -16 | -15 | -12 | -10 |
|              | AZ:   | 33   | 34  | 36  | 37  | 41  | 42  | 46  | 47  | 49  | 50  | 53  | 54  | 57  | 58  | 59  | 62  | 65  | 66  | 69  | 70  | 73  | 75  | 76  |
|              | OBS:  | 7    | 15  | 44  | 91  | 61  | 60  | 51  | 22  | 30  | 9   | 10  | 10  | 0   | 5   | 8   | 0   | 0   | 3   | 10  | 5   | 10  | 1   | 0   |
|              | DPHI: | -7   | -6  | -4  | -3  | 1   | 2   | 5   | 7   | 8   | 10  | 12  | 14  | 17  | 18  | 19  | 22  | 25  | 26  | 29  | 30  | 33  | 35  | 36  |
|              | AZ:   | 78   | 89  | 90  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 4    | 10  | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 38   | 49  | 49  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 9 18   | AZ:   | 347  | 351 | 353 | 355 | 355 | 359 | 2   | 2   | 4   | 7   | 9   | 10  | 12  | 15  | 17  | 18  | 20  | 23  | 25  | 26  | 28  | 31  | 34  |
| R = 20.0 KM; | OBS:  | 9    | 2   | 9   | 3   | 0   | 0   | 0   | 0   | 0   | 0   | 9   | 0   | 0   | 0   | 0   | 1   | 10  | 0   | 3   | 9   | 0   | 0   | 6   |
| JDGMT: 3     | DPHI: | -53  | -49 | -47 | -45 | -45 | -41 | -39 | -38 | -36 | -33 | -32 | -30 | -28 | -25 | -23 | -22 | -20 | -18 | -16 | -14 | -12 | -10 | -7  |
|              | AZ:   | 35   | 37  | 38  | 41  | 42  | 45  | 47  | 50  | 50  | 52  | 55  | 57  | 59  | 61  | 62  | 65  | 66  | 69  | 70  | 72  | 74  | 78  | 83  |
|              | OBS:  | 16   | 54  | 76  | 58  | 96  | 56  | 64  | 10  | 33  | 10  | 10  | 2   | 2   | 12  | 0   | 13  | 0   | 1   | 5   | 2   | 0   | 4   | 0   |
|              | DPHI: | -6   | -3  | -2  | 1   | 2   | 5   | 7   | 10  | 10  | 12  | 14  | 17  | 19  | 20  | 22  | 25  | 26  | 29  | 30  | 32  | 34  | 38  | 42  |
| 82 10 9 18   | AZ:   | 349  | 350 | 352 | 354 | 356 | 359 | 1   | 2   | 3   | 6   | 9   | 11  | 12  | 15  | 18  | 20  | 23  | 24  | 26  | 29  | 31  | 32  | 34  |
| R = 30.0 KM; | OBS:  | 1    | 0   | 0   | 0   | 0   | 0   | 7   | 0   | 3   | 0   | 10  | 8   | 5   | 0   | 1   | 10  | 0   | 4   | 0   | 0   | 4   | 0   | 3   |
| JDGMT: 3     | DPHI: | -51  | -50 | -48 | -46 | -44 | -41 | -39 | -38 | -38 | -34 | -31 | -29 | -28 | -25 | -22 | -20 | -18 | -16 | -14 | -12 | -9  | -8  | -7  |
|              | AZ:   | 35   | 38  | 41  | 42  | 44  | 47  | 48  | 50  | 53  | 54  | 56  | 58  | 61  | 62  | 64  | 66  | 69  | 71  | 73  | 77  | 79  | 81  |     |
|              | OBS:  | 3    | 27  | 48  | 74  | 105 | 85  | 76  | 1   | 2   | 8   | 9   | 3   | 9   | 1   | 0   | 4   | 10  | 0   | 3   | 0   | 2   | 7   |     |
|              | DPHI: | -5   | -2  | 0   | 2   | 4   | 7   | 8   | 10  | 13  | 14  | 16  | 18  | 20  | 22  | 24  | 26  | 28  | 30  | 32  | 36  | 38  | 40  |     |
| 82 10 9 18   | AZ:   | 350  | 354 | 357 | 3   | 6   | 9   | 16  | 19  | 23  | 25  | 31  | 34  | 40  | 43  | 46  | 50  | 55  | 58  | 62  | 66  | 71  | 74  | 79  |
| R = 50.0 KM; | OBS:  | 5    | 0   | 3   | 0   | 0   | 3   | 4   | 3   | 0   | 0   | 6   | 0   | 54  | 58  | 45  | 42  | 4   | 3   | 0   | 5   | 0   | 0   | 0   |
| JDGMT: 3     | DPHI: | -50  | -46 | -43 | -37 | -34 | -31 | -24 | -22 | -18 | -15 | -10 | -6  | 0   | 2   | 5   | 10  | 15  | 18  | 22  | 26  | 31  | 34  | 38  |
|              | AZ:   | 83   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 42   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 9 19   | AZ:   | 23   | 54  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 0.5 KM;  | OBS:  | 5    | 9   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     | DPHI: | -25  | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 9 19   | AZ:   | 278  | 341 | 351 | 357 | 5   | 14  | 23  | 30  | 42  | 46  | 54  | 70  |     |     |     |     |     |     |     |     |     |     |     |
| R = 3.0 KM;  | OBS:  | 0    | 0   | 4   | 5   | 0   | 0   | 0   | 0   | 1   | 3   | 0   | 44  |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 2     | DPHI: | -130 | -67 | -57 | -51 | -43 | -34 | -25 | -18 | -6  | -2  | 6   | 22  |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 9 19   | AZ:   | 226  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 5.0 KM;  | OBS:  | 12   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     | DPHI: | 178  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 9 19   | AZ:   | 233  | 351 | 355 | 358 | 2   | 6   | 10  | 14  | 17  | 22  | 26  | 29  | 34  | 38  | 40  | 46  | 49  | 54  | 58  | 62  | 66  | 70  | 74  |
| R = 7.0 KM;  | OBS:  | 0    | 3   | 4   | 8   | 10  | 5   | 0   | 0   | 2   | 13  | 12  | 6   | 2   | 19  | 10  | 10  | 9   | 49  | 47  | 58  | 23  | 33  | 0   |
| JDGMT: 2     | DPHI: | -175 | -57 | -53 | -50 | -46 | -42 | -38 | -34 | -31 | -26 | -22 | -19 | -14 | -10 | -8  | -2  | 1   | 6   | 10  | 14  | 18  | 22  | 26  |

AZ: 78  
OBS: 10  
DPHI: 30

82 10 9 19 AZ: 233 248  
R = 10.0 KM; OBS: 10 6  
JDGMT: 0 DPHI: -175 -160

82 10 9 19 AZ: 341 349 351 352 354 356 0 0 2 4 7 8 10 12 15 16 19 21 23 24 26 28 30  
R = 15.0 KM; OBS: 7 0 5 3 3 0 2 5 0 0 0 3 0 5 0 4 0 5 3 9 2 0 8  
JDGMT: 2 DPHI: -67 -59 -57 -56 -54 -52 -48 -47 -46 -44 -41 -40 -38 -36 -33 -32 -29 -27 -25 -24 -22 -20 -18

AZ: 33 34 36 37 41 42 46 47 49 50 53 54 57 58 59 62 65 66 69 70 73 75 76  
OBS: 3 0 10 19 9 10 33 10 26 21 15 27 13 31 24 31 35 11 39 48 11 0 12  
DPHI: -15 -14 -12 -10 -7 -6 -2 -1 1 2 5 7 9 10 11 14 17 18 21 22 25 27 28

AZ: 78 89 90  
OBS: 0 5 3  
DPHI: 30 41 42

82 10 9 19 AZ: 347 351 353 355 355 359 2 2 4 7 9 10 12 15 17 18 20 23 25 26 28 31 34  
R = 20.0 KM; OBS: 0 0 0 0 0 0 2 5 0 0 1 7 0 10 6 6 2 10 4 10 1 1 10  
JDGMT: 3 DPHI: -61 -57 -55 -53 -53 -49 -46 -46 -44 -41 -39 -38 -36 -33 -31 -30 -27 -25 -23 -22 -20 -17 -14

AZ: 35 37 38 41 42 45 47 50 50 52 55 57 59 61 62 65 66 69 70 72 74 78 83  
OBS: 19 7 14 30 20 21 34 5 25 12 25 31 25 4 4 10 5 11 0 2 1 0 10  
DPHI: -13 -11 -10 -7 -6 -3 -1 2 2 4 7 9 11 13 14 17 18 21 22 24 26 30 35

82 10 9 19 AZ: 349 350 352 354 356 359 1 2 3 6 9 11 12 15 18 20 23 24 26 29 31 32 34  
R = 30.0 KM; OBS: 0 0 0 5 2 1 7 8 0 0 2 2 5 0 5 0 3 10 0 1 3 5 0  
JDGMT: 3 DPHI: -59 -58 -56 -54 -52 -49 -47 -46 -45 -42 -39 -37 -35 -33 -30 -28 -25 -24 -22 -19 -17 -16 -14

AZ: 35 38 41 42 44 47 48 50 53 54 56 58 61 62 64 66 69 71 73 77 79 81  
OBS: 7 15 31 44 48 57 46 34 26 6 10 10 5 10 10 10 10 6 10 3 18 10  
DPHI: -13 -10 -7 -6 -4 -1 0 2 5 6 8 10 13 14 16 18 21 23 25 29 31 33

82 10 9 19 AZ: 350 354 357 3 6 9 16 19 23 25 31 34 40 43 46 50 55 58 62 66 71 74 79  
R = 50.0 KM; OBS: 0 0 5 3 5 0 1 13 0 0 3 9 13 36 57 41 0 7 8 8 10 0 4  
JDGMT: 3 DPHI: -58 -54 -51 -45 -42 -39 -32 -29 -25 -23 -17 -14 -8 -5 -2 2 7 10 14 18 23 26 31

AZ: 83  
OBS: 3  
DPHI: 35

82 10 9 20 AZ: 23 54  
R = 0.5 KM; OBS: 2 15  
JDGMT: 0 DPHI: -21 10

82 10 9 20 AZ: 278 341 351 357 5 14 23 30 42 46 54 70  
R = 3.0 KM; OBS: 2 6 0 0 6 0 0 0 1 0 2 0  
JDGMT: 3 DPHI: -125 -63 -53 -47 -39 -29 -21 -14 -1 3 11 27



82 10 9 20 AZ: 226  
R = 5.0 KM; OBS: 3  
JDGMT: 0 DPHI: -177

82 10 9 20 AZ: 233 351 355 358 2 6 10 14 17 22 26 29 34 38 40 46 49 54 58 62 66 70 74  
R = 7.0 KM; OBS: 0 2 3 3 4 0 0 0 3 7 0 0 0 21 21 19 5 12 3 22 1 0 7  
JDGMT: 2 DPHI: -171 -53 -48 -45 -41 -37 -33 -29 -26 -22 -17 -15 -9 -6 -4 2 6 11 15 18 23 27 31

AZ: 78  
OBS: 11  
DPHI: 35

82 10 9 20 AZ: 233 248  
R = 10.0 KM; OBS: 5 10  
JDGMT: 0 DPHI: -171 -156

82 10 9 20 AZ: 341 349 351 352 354 356 0 0 2 4 7 8 10 12 15 16 19 21 23 24 26 28 30  
R = 15.0 KM; OBS: 0 0 6 0 3 0 1 2 6 1 1 6 0 0 0 0 4 0 1 5 6 0 4  
JDGMT: 3 DPHI: -63 -55 -53 -51 -49 -47 -43 -43 -41 -40 -37 -36 -34 -31 -29 -28 -25 -23 -21 -20 -18 -15 -14

AZ: 33 34 36 37 41 42 46 47 49 50 53 54 57 58 59 62 65 66 69 70 73 75 76  
OBS: 10 6 10 10 10 10 20 10 27 34 35 20 28 58 47 31 8 19 6 2 3 5 0  
DPHI: -11 -10 -8 -6 -2 -2 2 3 5 7 9 11 13 15 16 19 21 22 25 26 30 32 32

AZ: 78 89 90  
OBS: 3 11 0  
DPHI: 35 46 46

82 10 9 20 AZ: 347 351 353 355 355 359 2 2 4 7 9 10 12 15 17 18 20 23 25 26 28 31 34  
R = 20.0 KM; OBS: 0 1 0 0 6 0 10 0 7 4 0 0 4 10 2 10 5 10 8 8 16 0 10  
JDGMT: 3 DPHI: -57 -53 -50 -49 -48 -44 -42 -42 -39 -36 -35 -34 -31 -28 -27 -25 -23 -21 -19 -17 -15 -13 -10

AZ: 35 37 38 41 42 45 47 50 50 52 55 57 59 61 62 65 66 69 70 72 74 78 83  
OBS: 8 5 9 1 10 35 14 27 38 43 40 39 23 8 5 3 7 11 2 5 0 0 10  
DPHI: -9 -7 -6 -3 -1 2 3 6 7 8 11 14 15 17 19 21 23 26 26 29 31 35 39

82 10 9 20 AZ: 349 350 352 354 356 359 1 2 3 6 9 11 12 15 18 20 23 24 26 29 31 32 34  
R = 30.0 KM; OBS: 3 0 0 10 1 1 10 0 0 2 7 0 6 4 0 7 0 0 10 5 6 3 6  
JDGMT: 3 DPHI: -55 -54 -51 -50 -47 -44 -43 -42 -41 -37 -35 -33 -31 -29 -26 -24 -21 -19 -18 -15 -13 -11 -10

AZ: 35 38 41 42 44 47 48 50 53 54 56 58 61 62 64 66 69 71 73 77 79 81  
OBS: 10 18 15 43 36 31 23 17 9 10 8 5 14 20 10 6 0 3 0 9 10 0  
DPHI: -9 -6 -3 -1 1 3 5 6 9 10 12 15 17 19 21 23 25 27 29 33 35 37

82 10 9 20 AZ: 350 354 357 3 6 9 16 19 23 25 31 34 40 43 46 50 55 58 62 66 71 74 79  
R = 50.0 KM; OBS: 3 10 0 2 1 0 1 4 0 0 0 1 10 34 37 48 1 2 10 0 10 0 0  
JDGMT: 3 DPHI: -54 -49 -47 -41 -37 -34 -27 -25 -21 -19 -13 -9 -4 -1 2 6 11 14 19 22 27 31 35

AZ: 83  
OBS: 0  
DPHI: 39

82 10 10 11 AZ: 1 23 54  
R = 0.5 KM; OBS: 0 1 2  
JDGMT: 0 DPHI: 11 32 63

82 10 10 11 AZ: 278 357 5 14 23 46 54 59 59 59 59 59 59 59 59 61 70 94  
R = 3.0 KM; OBS: 9 10 0 0 9 11 13 0 2 7 0 6 5 8 3 6 0 0  
JDGMT: 3 DPHI: -72 6 14 24 32 56 64 68 68 68 68 68 68 68 69 70 80 104

82 10 10 11 AZ: 226 0 2 7 10 14 18 22 26 30 34 36 38 42 46 50 54 62 66 70 74 78 82  
R = 5.0 KM; OBS: 9 6 14 0 0 0 9 0 0 0 0 3 0 0 2 5 13 3 8 0 2 0 3  
JDGMT: 2 DPHI: -124 10 12 17 19 23 27 31 36 39 44 46 48 52 55 59 64 72 76 80 84 88 92

AZ: 86 90 95  
OBS: 4 0 8  
DPHI: 95 100 104

82 10 10 11 AZ: 2 5 6 9 10 12 14 16 17 20 22 24 26 28 29 33 34 38 40 44 46 48 49  
R = 7.0 KM; OBS: 7 5 0 9 9 4 10 4 7 2 1 1 1 7 2 6 1 9 7 0 0 0 7  
JDGMT: 3 DPHI: 12 14 16 18 20 22 24 25 27 29 31 33 36 38 38 42 44 47 49 54 55 57 59

AZ: 52 54 56 58 60 62 64 66 70 72 74 76 78 80 83 84 85  
OBS: 0 0 8 0 5 0 4 13 0 9 9 1 7 6 6 10 3  
DPHI: 62 64 66 68 70 71 74 76 80 82 84 85 88 90 92 94 94

82 10 10 11 AZ: 221 233 248 259 2 6 9 10 12 14 16 19 20 22 24 26 27 31 33 34 36 39 41  
R = 10.0 KM; OBS: 9 23 5 9 6 6 18 3 10 5 7 0 8 0 4 6 1 0 10 14 18 0 15  
JDGMT: 3 DPHI: -129 -118 -103 -91 12 15 18 19 22 24 26 28 29 31 34 36 37 40 42 43 46 49 50

AZ: 43 47 49 51 53 55 58 59 60 63 63 66 68 71 73 74 77 79 80 84 84 86 89  
OBS: 5 24 0 0 10 10 6 0 8 0 13 7 0 0 3 8 2 0 0 0 0 0 9  
DPHI: 52 56 58 60 62 64 67 68 70 72 72 75 78 80 82 84 86 88 90 93 94 95 98

AZ: 91  
OBS: 0  
DPHI: 100

82 10 10 11 AZ: 233 252 2 7 10 15 19 23 26 30 34 37 42 47 50 54 58 62 66 70 75 78 83  
R = 15.0 KM; OBS: 135 30 0 9 0 0 7 23 3 7 0 7 10 6 9 0 0 0 1 1 4 0 6  
JDGMT: 2 DPHI: -118 -98 12 16 19 24 28 33 35 39 43 47 51 56 60 64 68 72 75 79 85 88 92

AZ: 87 89 90 90 94  
OBS: 0 12 0 0 4  
DPHI: 96 99 99 99 104

82 10 10 11 AZ: 244 248 260 10 18 23 26 31 35 38 42 47 50 55 59 62 66 70 74 78 83 86 91  
R = 20.0 KM; OBS: 15 121 0 3 0 5 9 3 8 0 10 13 0 0 1 5 0 10 2 4 0 0 0  
JDGMT: 2 DPHI: -107 -103 -90 19 28 32 36 40 44 47 52 56 60 64 69 72 76 79 84 88 92 96 100

AZ: 94  
OBS: 0  
DPHI: 104

82 10 10 12 AZ: 1 23 54  
R = 0.5 KM; OBS: 14 0 0  
JDGMT: 0 DPHI: -32 -10 21

82 10 10 12 AZ: 278 357 5 14 23 30 42 46 54 59 59 59 59 59 59 59 59 61 70 78 87 94  
R = 3.0 KM; OBS: 12 3 0 0 7 16 5 6 9 0 4 0 5 4 2 0 2 0 9 6 8 3  
JDGMT: 2 DPHI: -115 -36 -28 -19 -10 -3 10 14 21 26 26 26 26 26 26 26 26 28 38 46 54 62

82 10 10 12 AZ: 226 0 2 7 10 14 18 22 26 30 34 36 38 42 46 50 54 58 62 66 70 74 78  
R = 5.0 KM; OBS: 27 2 2 4 5 3 9 4 3 11 17 47 9 14 15 14 3 0 4 0 0 8 4  
JDGMT: 3 DPHI: -166 -33 -31 -26 -23 -19 -15 -11 -6 -3 2 3 5 9 13 17 22 26 30 34 38 42 46

AZ: 82 86 90 95  
OBS: 6 2 1 0  
DPHI: 50 53 57 62

82 10 10 12 AZ: 2 5 6 9 10 12 14 16 17 20 22 24 26 28 29 33 34 38 40 44 46 48 49  
R = 7.0 KM; OBS: 0 0 0 7 8 9 4 8 15 13 9 0 15 2 6 11 9 31 62 58 41 33 39  
JDGMT: 3 DPHI: -30 -28 -26 -24 -22 -21 -19 -17 -15 -13 -11 -9 -6 -4 -4 0 2 5 7 12 13 15 16

AZ: 52 54 56 58 60 62 64 66 70 72 74 76 78 80 83 84 85  
OBS: 26 18 0 3 1 4 1 5 0 3 1 9 6 0 1 11 6  
DPHI: 19 21 23 25 27 29 31 34 38 40 41 43 45 48 50 52 52

82 10 10 12 AZ: 221 233 248 259 2 6 9 10 12 14 16 19 20 22 24 26 27 31 33 34 36 39 41  
R = 10.0 KM; OBS: 9 16 29 0 8 2 7 3 15 14 3 3 8 12 11 2 6 7 3 5 39 52 59  
JDGMT: 3 DPHI: -172 -160 -145 -134 -30 -27 -24 -23 -20 -19 -16 -14 -13 -11 -8 -6 -5 -2 0 1 3 7 8

AZ: 43 45 47 49 51 53 55 58 59 60 63 63 66 68 71 73 74 77 79 80 84 84 86  
OBS: 100 90 118 99 44 28 21 1 5 0 0 7 5 0 14 0 8 3 2 0 4 4 0  
DPHI: 10 12 14 16 18 20 22 25 26 27 30 30 33 36 38 40 42 44 46 48 51 52 53

AZ: 89 91  
OBS: 6 0  
DPHI: 56 58

82 10 10 12 AZ: 233 240 252 2 7 10 15 19 23 26 30 34 37 42 47 50 54 58 62 66 70 75 78  
R = 15.0 KM; OBS: 5 14 15 9 0 2 5 4 4 5 6 3 63 78 235 45 1 4 1 4 1 0 4  
JDGMT: 3 DPHI: -160 -153 -140 -31 -26 -23 -18 -14 -10 -7 -3 1 5 9 14 17 22 26 30 33 37 42 46

AZ: 83 87 89 90 90 94  
OBS: 4 0 12 3 3 6  
DPHI: 50 54 57 57 57 62

82 10 10 12 AZ: 239 244 248 260 7 10 18 23 26 31 35 38 42 47 50 55 59 62 66 70 74 78 83  
R = 20.0 KM; OBS: 5 9 14 9 0 7 2 83 0 9 10 47 107 62 8 0 6 4 1 0 0 0 2  
JDGMT: 3 DPHI: -153 -149 -145 -133 -26 -23 -14 -10 -6 -2 2 5 10 14 17 22 26 29 33 37 42 46 50

AZ: 86 91 94  
OBS: 0 0 0  
DPHI: 54 58 62

82 10 10 13 AZ: 1 23 54  
R = 0.5 KM; OBS: 2 7 6  
JDGMT: 1 DPHI: -33 -11 20

82 10 10 13 AZ: 278 357 5 14 23 30 42 46 54 59 59 59 59 59 59 59 59 61 70 78 87 94  
R = 3.0 KM; OBS: 1 18 30 14 10 12 2 8 3 0 9 0 4 0 7 0 0 2 2 9 0 0  
JDGMT: 2 DPHI: -116 -37 -29 -20 -11 -4 8 12 20 25 25 25 25 25 25 25 25 27 36 44 53 60

82 10 10 13 AZ: 226 0 2 7 10 14 18 22 26 30 34 36 38 42 46 50 54 58 62 66 70 74 78  
R = 5.0 KM; OBS: 6 13 20 15 15 19 0 17 10 11 28 36 29 40 49 40 13 0 8 7 9 9 0  
JDGMT: 3 DPHI: -168 -34 -32 -27 -24 -20 -16 -12 -8 -4 0 2 4 8 12 16 20 24 28 32 36 40 44

AZ: 82 86 90 95  
OBS: 0 0 0 2  
DPHI: 48 52 56 61

82 10 10 13 AZ: 2 5 6 9 10 12 14 16 17 20 22 24 26 28 29 33 34 38 40 44 46 48 49  
R = 7.0 KM; OBS: 3 0 3 13 20 12 20 30 27 28 28 33 28 23 21 3 48 66 114 73 110 89 107  
JDGMT: 3 DPHI: -32 -29 -28 -25 -24 -22 -20 -18 -17 -14 -12 -10 -8 -6 -5 -1 0 4 6 10 12 14 15

AZ: 52 54 56 58 60 62 64 66 70 72 74 76 78 80 83 84 85  
OBS: 23 9 5 2 0 1 0 0 3 0 0 9 1 0 4 2 4  
DPHI: 18 20 22 24 26 28 30 32 36 38 40 42 44 46 49 50 51

82 10 10 13 AZ: 221 233 248 259 2 6 9 10 12 14 16 19 20 22 24 26 27 31 33 34 36 39 41  
R = 10.0 KM; OBS: 4 8 15 0 4 0 4 12 17 16 9 9 1 18 1 27 25 5 14 12 57 88 110  
JDGMT: 3 DPHI: -173 -161 -146 -135 -32 -28 -25 -24 -22 -20 -18 -15 -14 -12 -10 -8 -7 -3 -1 0 2 5 7

AZ: 43 45 47 49 51 53 55 58 59 60 63 63 66 68 71 73 74 77 79 80 84 84 86  
OBS: 148 48 130 48 32 4 5 0 0 2 3 0 5 5 1 4 3 3 4 0 2 1 0  
DPHI: 9 11 13 15 17 19 21 24 25 26 29 29 32 34 37 39 40 43 45 46 50 51 52

AZ: 89 91  
OBS: 0 1  
DPHI: 55 57

82 10 10 13 AZ: 233 240 252 2 7 10 15 19 23 26 30 34 37 42 47 50 54 58 62 66 70 75 78  
R = 15.0 KM; OBS: 18 1 1 3 8 2 1 14 6 6 0 41 190 189 11 16 0 0 0 2 4 9 1  
JDGMT: 3 DPHI: -161 -154 -142 -32 -27 -24 -19 -15 -11 -8 -4 0 4 8 13 16 21 24 28 32 36 41 44

AZ: 83 87 89 90 90 94  
OBS: 6 3 9 0 0 0  
DPHI: 49 53 55 56 56 60

82 10 10 13 AZ: 239 244 248 260 2 7 10 18 23 26 31 35 38 42 47 50 55 59 62 66 70 74 78  
R = 20.0 KM; OBS: 5 7 21 4 4 8 9 0 12 0 15 40 66 131 30 0 11 0 6 2 0 1 2  
JDGMT: 3 DPHI: -155 -150 -146 -134 -32 -27 -24 -16 -11 -8 -3 1 4 9 13 16 21 25 28 32 36 40 44

AZ: 83 86 91 94  
OBS: 0 0 0 0  
DPHI: 49 52 57 60

82 10 10 14 AZ: 1 23 54  
R = 0.5 KM; OBS: 6 0 2  
JDGMT: 0 DPHI: -28 -6 25

82 10 10 14 AZ: 278 357 5 14 23 30 42 46 54 59 59 59 59 59 59 59 59 61 70 78 87 94  
R = 3.0 KM; OBS: 0 9 8 6 59 126 30 26 17 0 1 0 4 0 0 2 0 5 10 0 6 3  
JDGMT: 3 DPHI: -111 -32 -24 -15 -6 1 13 18 25 30 30 30 30 30 30 30 30 32 41 50 58 65

82 10 10 14 AZ: 226 0 2 7 10 14 18 22 26 30 34 36 38 42 46 50 54 58 62 66 70 74 78  
R = 5.0 KM; OBS: 3 7 3 9 9 20 68 79 194 206 76 54 11 21 0 1 0 1 4 9 0 15 0  
JDGMT: 3 DPHI: -163 -29 -27 -22 -19 -15 -11 -7 -2 1 5 7 9 13 17 21 26 29 33 38 41 45 49

AZ: 82 86 90 95  
OBS: 10 6 0 0  
DPHI: 53 57 61 66

82 10 10 14 AZ: 2 5 6 9 10 12 14 16 17 20 22 24 26 28 29 33 34 38 40 44 46 48 49  
R = 7.0 KM; OBS: 10 9 9 9 2 13 0 3 39 130 191 214 238 182 146 94 70 41 32 15 6 13 9  
JDGMT: 3 DPHI: -27 -24 -23 -20 -19 -17 -15 -13 -11 -9 -7 -5 -2 0 0 4 5 9 11 16 17 19 20

AZ: 52 54 56 58 60 62 64 66 70 72 74 76 78 80 83 84 85  
OBS: 0 8 3 7 0 0 4 4 1 0 6 0 0 1 0 5 5  
DPHI: 23 25 27 29 31 33 35 37 41 44 45 47 49 51 54 55 56

82 10 10 14 AZ: 221 233 248 259 2 6 9 10 12 14 16 19 20 22 24 26 27 31 33 34 36 39 41  
R = 10.0 KM; OBS: 0 0 0 12 10 6 10 9 24 29 75 66 67 209 163 158 167 99 118 106 129 71 87  
JDGMT: 3 DPHI: -168 -156 -141 -130 -27 -23 -20 -19 -17 -15 -12 -10 -9 -7 -5 -2 -1 2 4 5 7 10 12

AZ: 43 45 47 49 51 53 55 58 59 60 63 63 66 68 71 73 74 77 79 80 84 84 86  
OBS: 67 44 48 15 13 0 1 5 0 2 0 1 5 4 0 1 1 0 2 0 2 2 5  
DPHI: 14 16 18 20 22 24 26 29 30 31 34 34 37 39 42 44 45 48 50 52 55 56 57

AZ: 89 91  
OBS: 0 6  
DPHI: 60 62

82 10 10 14 AZ: 233 240 252 2 7 10 15 19 23 26 30 34 37 42 47 50 54 58 62 66 70 75 78  
R = 15.0 KM; OBS: 9 1 0 9 0 3 87 104 85 50 96 176 166 96 13 1 0 0 0 3 2 0 0  
JDGMT: 3 DPHI: -156 -149 -136 -27 -22 -19 -14 -10 -6 -3 1 5 9 13 18 21 26 30 33 37 41 46 50

AZ: 83 87 89 90 90 94  
OBS: 0 5 0 0 0 0  
DPHI: 54 58 60 61 61 66

82 10 10 14 AZ: 239 244 248 260 2 7 10 18 23 26 31 35 38 42 47 50 55 59 62 66 70 74 78  
R = 20.0 KM; OBS: 0 0 22 0 8 0 3 49 71 65 108 170 158 51 12 0 0 0 3 0 0 2 0  
JDGMT: 3 DPHI: -149 -145 -141 -129 -27 -22 -19 -11 -6 -2 2 6 9 14 18 21 26 30 33 37 41 45 49

AZ: 83 86 91 94  
OBS: 0 6 0 9  
DPHI: 54 57 62 65

82 10 10 15 AZ: 1 23 54  
R = 0.5 KM; OBS: 5 1 1  
JDGMT: 1 DPHI: -29 -7 24

82 10 10 15 AZ: 278 357 5 14 23 30 42 46 54 59 59 59 59 59 59 59 59 61 70 78 87 94  
R = 3.0 KM; OBS: 1 0 3 5 16 26 24 39 9 4 4 0 0 4 0 3 3 8 2 0 4 2  
JDGMT: 3 DPHI: -112 -33 -25 -16 -7 0 13 17 24 29 29 29 29 29 29 29 29 31 41 49 57 65

82 10 10 15 AZ: 226 0 2 7 10 14 18 22 26 30 34 36 38 42 46 50 54 58 62 66 70 74 78  
R = 5.0 KM; OBS: 5 0 6 5 5 0 9 30 58 55 106 76 59 24 30 25 9 7 5 0 3 0 5  
JDGMT: 3 DPHI: -164 -30 -28 -23 -20 -16 -12 -8 -3 0 5 6 8 12 16 20 25 29 33 37 41 45 49

AZ: 82 86 90 95  
OBS: 0 0 4 7  
DPHI: 52 56 60 65

82 10 10 15 AZ: 2 5 6 9 10 12 14 16 17 20 22 24 26 28 29 33 34 38 40 44 46 48 49  
R = 7.0 KM; OBS: 0 8 0 4 6 8 0 30 33 52 64 2 153 215 192 162 115 47 38 30 9 23 3  
JDGMT: 3 DPHI: -28 -25 -24 -21 -20 -18 -16 -14 -12 -10 -8 -6 -3 -1 -1 3 5 8 10 15 16 18 19

AZ: 52 54 56 58 60 62 64 66 70 72 74 76 78 80 83 84 85  
OBS: 8 5 2 3 7 7 0 0 4 2 0 0 1 6 9 0 0  
DPHI: 22 24 26 28 30 32 34 37 41 43 44 46 48 50 53 55 55

82 10 10 15 AZ: 221 233 248 259 2 6 9 10 12 14 16 19 20 22 24 26 27 31 33 34 36 39 41  
R = 10.0 KM; OBS: 0 4 2 0 9 2 0 12 5 9 5 29 27 125 173 149 98 115 124 65 73 32 39  
JDGMT: 3 DPHI: -169 -157 -142 -131 -27 -24 -21 -20 -17 -16 -13 -11 -10 -8 -5 -3 -2 1 3 4 6 10 11

AZ: 43 45 47 49 51 53 55 58 59 60 63 63 66 68 71 73 74 77 79 80 84 84 86  
OBS: 9 3 7 6 7 2 5 0 4 5 2 3 0 0 8 0 1 3 0 2 5 3 6  
DPHI: 13 15 17 19 21 23 25 28 29 30 33 33 36 39 41 43 45 47 49 51 54 55 56

AZ: 89 91  
OBS: 7 8  
DPHI: 59 61

82 10 10 15 AZ: 233 240 252 2 7 10 15 19 23 26 30 34 37 42 47 50 54 58 62 66 70 75 78  
R = 15.0 KM; OBS: 13 0 2 5 4 7 35 166 156 165 152 85 12 0 7 7 4 5 4 0 0 5 5  
JDGMT: 3 DPHI: -157 -150 -137 -28 -23 -20 -15 -11 -7 -4 0 4 8 12 17 20 25 29 32 36 40 45 49

AZ: 83 87 89 90 90 94  
OBS: 0 3 5 1 4 9  
DPHI: 53 57 60 60 60 65

82 10 10 15 AZ: 239 244 248 260 2 7 10 18 23 26 31 35 38 42 47 50 55 59 62 66 70 74 78  
R = 20.0 KM; OBS: 0 0 2 4 0 6 9 167 193 171 149 41 19 0 11 11 1 7 0 5 0 0 1  
JDGMT: 3 DPHI: -150 -146 -142 -130 -28 -23 -20 -11 -7 -3 1 5 8 13 17 20 25 29 32 36 40 45 49

AZ: 83 86 91 94  
OBS: 5 7 0 7  
DPHI: 53 57 61 65

82 10 10 16 AZ: 1 23 54  
 R = 0.5 KM; OBS: 1 3 0  
 JDGMT: 0 DPHI: -34 -12 19

82 10 10 16 AZ: 278 357 5 14 23 30 42 46 54 59 59 59 59 59 59 59 59 59 61 70 78 87 94  
 R = 3.0 KM; OBS: 0 0 2 5 0 6 9 5 6 1 5 6 7 7 6 0 8 0 0 0 2 0  
 JDGMT: 3 DPHI: -117 -39 -30 -21 -13 -6 7 11 19 23 24 24 24 24 24 24 24 25 35 43 52 59

82 10 10 16 AZ: 226 0 2 7 10 14 18 22 26 30 34 36 38 42 46 50 54 58 62 66 70 74 78  
 R = 5.0 KM; OBS: 1 2 6 1 2 6 7 4 1 2 3 1 0 2 6 5 1 4 0 4 0 0 1  
 JDGMT: 3 DPHI: -169 -35 -33 -28 -25 -21 -17 -14 -9 -5 -1 1 3 7 11 15 19 23 27 31 35 39 43

AZ: 82 86 90 95  
 OBS: 0 4 4 0  
 DPHI: 47 51 55 59

82 10 10 16 AZ: 2 5 6 9 10 12 14 16 17 20 22 24 26 28 29 33 34 38 40 44 46 48 49  
 R = 7.0 KM; OBS: 2 8 2 1 0 0 6 8 6 6 5 1 11 73 50 68 49 11 11 2 0 2 5  
 JDGMT: 3 DPHI: -33 -31 -29 -27 -25 -23 -21 -19 -18 -15 -13 -12 -9 -7 -6 -2 -1 3 4 9 11 13 14

AZ: 52 54 56 58 60 62 64 66 70 72 74 76 78 80 83 84 85  
 OBS: 4 3 6 4 2 4 0 2 0 4 0 2 5 4 0 7 0  
 DPHI: 17 19 21 23 25 27 29 31 35 37 39 41 43 45 47 49 49

82 10 10 16 AZ: 221 233 248 259 2 6 9 10 12 14 16 19 20 22 24 26 27 31 33 34 36 39 41  
 R = 10.0 KM; OBS: 4 2 2 0 3 0 3 9 3 1 12 11 8 0 5 9 8 12 25 35 27 29 37  
 JDGMT: 3 DPHI: -174 -162 -148 -136 -33 -30 -26 -25 -23 -21 -19 -17 -15 -13 -11 -9 -8 -5 -3 -1 4 6

AZ: 43 45 47 49 51 53 55 58 59 60 63 63 66 68 71 73 74 77 79 80 84 84 86  
 OBS: 32 0 28 25 17 15 8 2 3 2 0 9 10 5 3 1 2 0 6 0 4 0 0  
 DPHI: 7 10 11 13 16 18 19 22 24 25 27 28 31 33 35 37 39 42 44 45 48 49 50

AZ: 89 91  
 OBS: 5 3  
 DPHI: 53 55

82 10 10 16 AZ: 233 240 252 2 7 10 15 19 23 26 30 34 37 42 47 50 54 58 62 66 70 75 78  
 R = 15.0 KM; OBS: 2 3 1 0 3 1 1 7 2 9 26 65 84 68 5 15 1 1 1 10 3 1 0  
 JDGMT: 3 DPHI: -163 -155 -143 -33 -29 -25 -21 -16 -12 -10 -6 -1 2 7 12 15 19 23 27 31 35 40 43

AZ: 83 87 89 90 90 94  
 OBS: 0 8 3 0 1 0  
 DPHI: 48 51 54 54 55 59

82 10 10 16 AZ: 239 244 248 260 2 7 10 18 23 26 31 35 38 42 47 50 55 59 62 66 70 74 78  
 R = 20.0 KM; OBS: 5 4 8 1 2 6 0 4 5 12 158 133 73 10 7 2 0 0 1 1 2 4 1  
 JDGMT: 3 DPHI: -156 -152 -148 -135 -33 -28 -25 -17 -13 -9 -5 -1 3 7 12 15 19 24 27 31 35 39 43

AZ: 83 86 91 94  
 OBS: 0 5 5 5  
 DPHI: 47 51 56 59

82 10 10 17 AZ: 1 23 54  
R = 0.5 KM; OBS: 0 0 3  
JDGMT: 0 DPHI: -45 -23 8

82 10 10 17 AZ: 278 357 5 14 23 30 42 46 54 59 59 59 59 59 59 59 59 61 70 78 87 94  
R = 3.0 KM; OBS: 0 7 0 0 0 3 5 0 1 4 3 6 6 10 0 5 0 1 1 0 2 1  
JDGMT: 3 DPHI: -128 -50 -41 -32 -24 -17 -4 0 8 12 13 13 13 13 13 13 13 14 24 32 41 48

82 10 10 17 AZ: 0 2 7 10 14 18 22 26 30 34 36 38 42 46 50 54 58 62 66 70 74 78 82  
R = 5.0 KM; OBS: 3 4 0 0 0 0 2 6 7 0 9 0 0 0 0 2 1 5 8 0 14 0 3  
JDGMT: 3 DPHI: -46 -44 -39 -36 -32 -28 -25 -20 -16 -12 -10 -8 -4 0 4 8 12 16 20 24 28 32 36

AZ: 86 90 95 226  
OBS: 6 9 0 2  
DPHI: 40 44 48 180

82 10 10 17 AZ: 2 5 6 9 10 12 14 16 17 20 22 24 26 28 29 33 34 38 40 44 46 48 49  
R = 7.0 KM; OBS: 6 0 0 0 0 1 6 1 0 1 0 1 1 3 2 3 1 0 8 0 3 0 0  
JDGMT: 3 DPHI: -44 -42 -40 -38 -36 -34 -32 -30 -29 -26 -24 -23 -20 -18 -17 -13 -12 -8 -7 -2 0 2 3

AZ: 52 54 56 58 60 62 64 66 70 72 74 76 78 80 83 84 85  
OBS: 0 0 0 0 10 9 10 2 0 7 0 4 7 1 6 0 6  
DPHI: 6 8 10 12 14 16 18 20 24 26 28 30 32 34 36 38 38

82 10 10 17 AZ: 233 248 259 2 6 9 10 12 14 16 19 20 22 24 26 27 31 33 34 36 39 41 43  
R = 10.0 KM; OBS: 0 8 7 9 4 5 0 1 1 6 0 7 8 8 2 2 4 16 0 0 9 0 9  
JDGMT: 3 DPHI: -173 -159 -147 -44 -41 -37 -36 -34 -32 -30 -28 -26 -24 -22 -20 -19 -16 -14 -12 -10 -7 -5 -4

AZ: 45 47 49 51 53 55 58 59 60 63 63 66 68 71 73 74 77 79 80 84 84 86 89  
OBS: 1 9 1 9 10 6 5 0 3 7 3 2 3 10 7 11 9 8 0 0 0 3 4  
DPHI: -1 0 2 5 7 8 11 13 14 16 17 20 22 24 26 28 31 33 34 37 38 39 42

AZ: 91 221  
OBS: 0 0  
DPHI: 44 175

82 10 10 17 AZ: 233 240 252 2 7 10 15 19 23 26 30 34 37 42 47 50 54 58 62 66 70 75 78  
R = 15.0 KM; OBS: 0 0 0 0 0 0 0 0 8 7 0 0 10 1 9 15 0 0 0 9 3 12 9  
JDGMT: 3 DPHI: -174 -166 -154 -44 -40 -36 -32 -27 -23 -21 -17 -12 -9 -4 1 4 8 12 16 20 24 29 32

AZ: 83 87 89 90 90 94  
OBS: 6 0 5 9 0 0  
DPHI: 37 40 43 43 44 48

82 10 10 17 AZ: 239 244 248 260 2 7 10 18 23 26 31 35 38 42 47 50 55 59 62 66 70 74 78  
R = 20.0 KM; OBS: 0 0 0 2 1 4 2 0 4 5 0 28 56 22 36 18 0 9 8 0 0 1 3  
JDGMT: 3 DPHI: -167 -163 -158 -146 -44 -39 -36 -28 -24 -20 -16 -12 -8 -4 1 4 8 13 16 20 24 28 32

AZ: 83 86 91 94  
OBS: 0 0 0 0  
DPHI: 36 40 45 48



82 10 10 18 AZ: 1 23 54  
R = 0.5 KM; OBS: 0 5 2  
JDGMT: 0 DPHI: -50 -28 3

82 10 10 18 AZ: 278 357 5 14 23 30 42 46 54 59 59 59 59 59 59 59 59 61 70 78 87 94  
R = 3.0 KM; OBS: 4 6 0 0 2 0 8 5 6 6 6 1 9 3 5 2 2 0 4 7 4 8  
JDGMT: 3 DPHI: -133 -54 -46 -37 -28 -21 -9 -4 3 8 8 8 8 8 8 8 8 10 19 28 36 43

82 10 10 18 AZ: 0 2 7 10 14 18 22 26 30 34 36 38 42 46 50 54 58 62 66 70 74 78 82  
R = 5.0 KM; OBS: 0 4 0 2 2 4 0 6 8 0 0 6 5 7 6 6 0 0 9 0 3 5 7  
JDGMT: 3 DPHI: -51 -49 -44 -41 -37 -33 -29 -24 -21 -17 -15 -13 -9 -5 -1 4 7 11 16 19 23 27 31

AZ: 86 90 95 226  
OBS: 4 5 3 4  
DPHI: 35 39 44 175

82 10 10 18 AZ: 2 5 6 9 10 12 14 16 17 20 22 24 26 28 29 33 34 38 40 44 46 48 49  
R = 7.0 KM; OBS: 0 4 6 4 0 3 7 5 0 0 0 0 0 0 0 3 4 0 8 3 6 6 2  
JDGMT: 3 DPHI: -49 -46 -45 -42 -41 -39 -37 -35 -33 -31 -29 -27 -24 -23 -22 -18 -17 -13 -11 -7 -5 -3 -2

AZ: 52 54 56 58 60 62 64 66 70 72 74 76 78 80 83 84 85  
OBS: 2 5 0 2 0 8 0 5 4 0 0 0 3 0 8 0 6  
DPHI: 1 3 5 7 9 11 13 15 19 22 23 25 27 29 32 33 34

82 10 10 18 AZ: 248 259 2 6 9 10 12 14 16 19 20 22 24 26 27 31 33 34 36 39 41 43 45  
R = 10.0 KM; OBS: 0 0 1 0 1 6 0 0 0 5 0 5 0 0 5 0 6 5 0 4 0 8 1  
JDGMT: 2 DPHI: -163 -152 -49 -45 -42 -41 -39 -37 -34 -32 -31 -29 -27 -24 -23 -20 -18 -17 -15 -12 -10 -8 -6

AZ: 47 49 51 53 55 58 59 60 63 63 66 68 71 73 74 77 79 80 84 84 86 89 91  
OBS: 1 4 2 0 0 4 10 4 2 5 5 8 4 0 7 1 18 14 7 3 0 0 0  
DPHI: -4 -2 0 2 4 7 8 9 12 12 15 17 20 22 23 26 28 30 33 34 35 38 40

AZ: 221 233  
OBS: 4 4  
DPHI: 170 182

82 10 10 18 AZ: 240 252 2 7 10 15 19 23 26 30 34 37 42 47 50 54 58 62 66 70 75 78 83  
R = 15.0 KM; OBS: 5 5 4 3 1 5 6 5 5 0 8 5 7 0 0 3 4 3 5 6 13 4 10  
JDGMT: 2 DPHI: -171 -158 -49 -44 -41 -36 -32 -28 -25 -21 -17 -13 -9 -4 -1 4 8 11 15 19 24 28 32

AZ: 87 89 90 90 94 233  
OBS: 0 22 18 2 7 0  
DPHI: 36 38 39 39 44 182

82 10 10 18 AZ: 239 244 248 260 2 7 10 18 23 26 31 35 38 42 47 50 55 59 62 66 70 74 78  
R = 20.0 KM; OBS: 6 0 9 0 3 10 5 2 0 0 2 0 0 8 7 11 9 9 3 10 13 9 9  
JDGMT: 2 DPHI: -171 -167 -163 -151 -49 -44 -41 -33 -28 -24 -20 -16 -13 -8 -4 -1 4 8 11 15 19 23 27

AZ: 83 86 91 94  
OBS: 4 0 0 0  
DPHI: 32 35 40 43

82 10 10 19 AZ: 1 23 54  
R = 0.5 KM; OBS: 0 3 0  
JDGMT: 0 DPHI: -58 -37 -6

82 10 10 19 AZ: 278 357 5 14 23 30 42 46 54 59 59 59 59 59 59 59 59 61 70 78 87 94  
R = 3.0 KM; OBS: 0 0 0 12 0 9 0 4 1 0 5 3 0 0 12 2 7 1 0 3 3 3  
JDGMT: 2 DPHI: -141 -63 -55 -45 -37 -30 -17 -13 -5 -1 0 0 0 0 0 0 0 1 11 19 27 35

82 10 10 19 AZ: 0 2 7 10 14 18 22 26 30 34 36 38 42 46 50 54 58 62 66 70 74 78 82  
R = 5.0 KM; OBS: 0 4 0 0 0 0 0 1 0 0 0 10 2 6 5 0 6 8 0 0 5 0 0  
JDGMT: 2 DPHI: -59 -57 -52 -50 -46 -42 -38 -33 -30 -25 -23 -21 -17 -14 -10 -5 -1 3 7 11 15 19 23

AZ: 86 90 95 226  
OBS: 0 2 5 0  
DPHI: 27 31 35 167

82 10 10 19 AZ: 2 5 6 9 10 12 14 16 17 20 22 24 26 28 29 33 34 38 40 44 46 48 49  
R = 7.0 KM; OBS: 0 0 6 9 0 6 6 0 1 5 2 3 5 5 0 9 0 5 2 0 8 0 0  
JDGMT: 2 DPHI: -57 -55 -53 -51 -49 -47 -45 -44 -42 -40 -38 -36 -33 -31 -30 -27 -25 -22 -20 -15 -14 -12 -10

AZ: 52 54 56 58 60 62 64 66 70 72 74 76 78 80 83 84 85  
OBS: 0 1 2 1 4 1 0 3 0 0 7 1 4 9 0 9 9  
DPHI: -7 -5 -3 -1 1 2 5 7 11 13 15 17 19 21 23 25 25

82 10 10 19 AZ: 248 259 2 6 9 10 12 14 16 19 20 22 24 26 27 31 33 34 36 39 41 43 45  
R = 10.0 KM; OBS: 9 9 2 9 6 3 0 3 0 0 0 0 3 0 1 0 3 0 0 2 16 9 0  
JDGMT: 3 DPHI: -172 -160 -57 -54 -51 -50 -47 -45 -43 -41 -39 -38 -35 -33 -32 -29 -27 -26 -23 -20 -18 -17 -14

AZ: 47 49 51 53 55 58 59 60 63 63 66 68 71 73 74 77 79 80 84 84 86 89 91  
OBS: 0 0 4 3 0 0 0 0 4 0 9 7 3 10 6 6 6 8 3 6 14 0 9  
DPHI: -13 -11 -9 -7 -5 -2 -1 1 3 4 6 9 11 13 15 17 19 21 24 25 26 29 31

AZ: 221 233  
OBS: 3 9  
DPHI: 162 174

82 10 10 19 AZ: 252 2 7 10 15 19 23 26 30 34 37 42 47 50 54 58 62 66 70 75 78 83 87  
R = 15.0 KM; OBS: 4 0 1 0 0 0 1 0 6 0 0 0 5 10 0 0 1 4 4 9 29 8 10  
JDGMT: 2 DPHI: -167 -57 -53 -50 -45 -41 -36 -34 -30 -25 -22 -18 -13 -9 -5 -1 3 7 11 16 19 23 27

AZ: 89 90 90 94 233 240  
OBS: 25 19 9 2 70 1  
DPHI: 30 30 30 35 173 181

82 10 10 19 AZ: 244 248 260 2 7 10 18 23 26 31 35 38 42 47 50 55 59 62 66 70 74 78 83  
R = 20.0 KM; OBS: 9 48 1 2 16 6 0 0 0 4 2 4 8 1 0 6 1 1 5 5 6 11 11  
JDGMT: 2 DPHI: -176 -172 -159 -58 -52 -50 -41 -37 -33 -29 -25 -22 -17 -13 -9 -5 0 3 7 10 15 19 23

AZ: 86 91 94 239  
OBS: 6 7 13 1  
DPHI: 27 31 35 180

82 10 11 16 AZ: 54 86  
 R = 0.5 KM; OBS: 0 0  
 JDGMT: 0 DPHI: 7 39

82 10 11 16 AZ: 278 42 46 54 61 70 78 87 94 102 110 118 126  
 R = 3.0 KM; OBS: 1 0 4 0 0 0 0 0 1 0 0 1 2  
 JDGMT: 3 DPHI: -129 -5 -1 7 14 23 31 40 47 55 63 71 79

82 10 11 16 AZ: 226  
 R = 5.0 KM; OBS: 4  
 JDGMT: 0 DPHI: 179

82 10 11 16 AZ: 233 34 38 44 46 49 54 60 62 64 70 74 78 83 85 92 95 98 103 107 111 115 118  
 R = 7.0 KM; OBS: 0 300 240 21 13 22 3 8 0 0 8 0 0 0 4 7 5 0 3 0 2 1 0  
 JDGMT: 2 DPHI: -174 -13 -9 -3 -1 2 7 13 15 17 23 27 31 36 38 45 48 51 56 60 64 68 71

AZ: 123  
 OBS: 1  
 DPHI: 76

82 10 11 16 AZ: 233 248  
 R = 10.0 KM; OBS: 9 4  
 JDGMT: 0 DPHI: -174 -159

82 10 11 16 AZ: 34 36 37 41 42 46 47 49 50 53 54 57 58 59 62 65 66 69 70 73 75 76 78  
 R = 15.0 KM; OBS: 110 113 55 81 83 44 60 42 35 34 26 27 23 24 22 3 6 0 6 0 4 1 2  
 JDGMT: 2 DPHI: -13 -11 -9 -6 -5 -1 0 2 3 6 8 10 11 12 15 18 19 22 23 26 28 29 31

AZ: 80 83 84 87 88 89 90 90 92 94 96 99 100 103 105 108 110 112 114 116 119 120 122  
 OBS: 6 0 0 7 1 7 1 2 0 4 7 0 9 0 8 0 0 0 0 0 0 5 0  
 DPHI: 33 36 37 40 41 42 43 43 45 47 49 52 53 56 58 61 63 66 67 69 72 73 75

82 10 11 16 AZ: 35 37 38 41 42 45 47 50 50 52 55 57 59 61 62 65 66 69 70 72 74 77 78  
 R = 20.0 KM; OBS: 118 107 84 78 65 45 39 40 0 0 5 0 16 9 12 0 4 0 6 0 0 3 0  
 JDGMT: 2 DPHI: -12 -10 -9 -6 -5 -2 0 3 3 5 8 10 12 14 15 18 19 22 23 25 27 30 31

AZ: 81 83 84 86 88 91 92 94 96 98 101 102 104 106 108 111 111 115 116 118 120 123 124  
 OBS: 0 0 5 1 4 1 0 3 0 0 0 1 0 0 1 7 2 2 1 3 3 0 7  
 DPHI: 34 36 37 39 41 44 45 47 49 52 54 55 57 59 61 64 64 68 69 71 73 76 77

82 10 11 16 AZ: 34 35 38 41 42 44 47 48 50 53 54 56 58 61 62 64 66 69 71 73 77 79 81  
 R = 30.0 KM; OBS: 102 97 112 110 107 129 203 99 83 48 47 39 17 23 16 12 0 0 7 0 0 11 0  
 JDGMT: 2 DPHI: -13 -12 -9 -6 -5 -3 0 1 3 6 7 9 11 14 15 17 19 22 24 26 30 32 34

AZ: 83 84 86 89 90 92 94 96 99 100 102 104 106 108 110 112 114 116 119 120 123 125 126  
 OBS: 6 0 2 9 2 11 0 0 8 3 7 1 0 0 0 6 9 0 0 0 1 0 0  
 DPHI: 36 37 39 42 43 45 48 49 52 53 55 57 59 61 63 65 68 69 72 73 76 78 79

82 10 11 16 AZ: 34 40 43 46 50 55 58 62 66 71 74 79 83 87 90 94 99 117 134  
 R = 50.0 KM; OBS: 3 9 8 0 27 43 52 45 58 30 10 10 10 1 7 0 0 0  
 JDGMT: 3 DPHI: -13 -7 -4 -1 3 8 11 15 19 24 27 32 36 40 43 47 52 70 87

82 10 11 17 AZ: 54 86  
R = 0.5 KM; OBS: 1 3  
JDGMT: 0 DPHI: 3 35

82 10 11 17 AZ: 278 42 46 54 61 70 78 87 94 102 110 118 126  
R = 3.0 KM; OBS: 0 3 3 2 1 5 4 0 4 3 3 0 8  
JDGMT: 2 DPHI: -132 -8 -4 3 10 20 28 36 44 51 60 67 76

82 10 11 17 AZ: 226  
R = 5.0 KM; OBS: 9  
JDGMT: 0 DPHI: 176

82 10 11 17 AZ: 233 34 38 44 46 49 54 60 62 64 70 74 78 83 85 92 95 98 103 107 111 115 118  
R = 7.0 KM; OBS: 3 169 76 15 27 9 11 4 0 0 0 9 1 5 3 1 6 5 0 2 0 1 4  
JDGMT: 2 DPHI: -178 -16 -13 -6 -5 -2 4 9 11 13 20 23 27 32 34 41 44 48 52 56 60 65 68

AZ: 123  
OBS: 2  
DPHI: 72

82 10 11 17 AZ: 233 248  
R = 10.0 KM; OBS: 1 0  
JDGMT: 0 DPHI: -178 -163

82 10 11 17 AZ: 34 36 37 41 42 46 47 49 50 53 54 57 58 59 62 65 66 69 70 73 75 76 78  
R = 15.0 KM; OBS: 103 76 85 65 67 68 76 43 27 7 8 13 7 2 8 2 4 3 1 3 0 0 0  
JDGMT: 2 DPHI: -17 -15 -13 -9 -9 -5 -4 -2 -1 2 4 6 8 9 12 14 15 18 19 23 25 25 28

AZ: 80 83 84 87 88 89 90 90 92 94 96 99 100 103 105 108 110 112 114 116 119 120 122  
OBS: 4 3 3 0 2 3 6 0 0 9 3 0 1 0 1 7 3 5 3 0 0 9 5  
DPHI: 29 32 34 36 37 39 39 39 41 44 45 48 50 52 54 58 59 62 64 65 68 69 71

82 10 11 17 AZ: 35 37 38 41 42 45 47 50 50 52 55 57 59 61 62 65 66 69 70 72 74 77 78  
R = 20.0 KM; OBS: 62 59 37 37 29 33 20 14 0 11 0 0 3 5 4 3 9 6 0 0 6 0 0  
JDGMT: 2 DPHI: -16 -14 -13 -10 -8 -5 -4 -1 -1 1 4 7 8 10 11 14 15 19 19 22 24 26 28

AZ: 81 83 84 86 88 91 92 94 96 98 101 102 104 106 108 111 111 115 116 118 120 123 124  
OBS: 0 4 0 0 0 0 0 0 5 4 0 7 1 0 6 0 0 4 9 4 1 8 0  
DPHI: 30 32 34 36 38 40 41 44 46 48 50 52 53 56 58 60 61 64 66 68 69 72 74

82 10 11 17 AZ: 34 35 38 41 42 44 47 48 50 53 54 56 58 61 62 64 66 69 71 73 77 79 81  
R = 30.0 KM; OBS: 73 51 3 52 31 26 12 8 9 9 7 7 13 4 8 0 8 2 0 0 2 0 3  
JDGMT: 2 DPHI: -17 -16 -13 -10 -8 -7 -4 -2 -1 2 3 5 8 10 12 14 16 18 20 22 26 28 30

AZ: 83 84 86 89 90 92 94 96 99 100 102 104 106 108 110 112 114 116 119 120 123 125 126  
OBS: 5 3 10 4 5 1 0 8 4 6 0 2 0 4 0 0 5 0 0 0 0 5 0  
DPHI: 32 34 35 38 40 41 44 46 48 50 51 54 56 57 59 62 64 66 68 69 72 74 76

82 10 11 17 AZ: 34 40 43 46 50 55 58 62 66 71 74 79 83 87 90 94 99 106 110 112 117 134  
R = 50.0 KM; OBS: 16 68 44 39 46 39 16 14 1 5 0 10 5 0 9 0 6 0 0 0 4 9  
JDGMT: 2 DPHI: -16 -11 -8 -5 -1 4 7 12 15 20 24 28 32 36 40 44 48 55 59 62 66 83

82 10 11 18 AZ: 54 86  
R = 0.5 KM; OBS: 8 0  
JDGMT: 0 DPHI: 0 32

82 10 11 18 AZ: 278 42 46 54 61 70 78 87 94 102 110 118 126  
R = 3.0 KM; OBS: 4 0 0 3 3 8 0 7 5 0 0 8 0  
JDGMT: 3 DPHI: -136 -12 -7 0 7 16 25 33 40 48 57 64 72

82 10 11 18 AZ: 226  
R = 5.0 KM; OBS: 1  
JDGMT: 0 DPHI: 172

82 10 11 18 AZ: 233 34 38 44 46 49 54 60 62 64 70 74 78 83 85 92 95 98 103 107 111 115 118  
R = 7.0 KM; OBS: 0 9 3 3 3 11 1 1 0 0 4 6 0 1 3 3 5 1 0 0 0 4 4  
JDGMT: 3 DPHI: -181 -19 -16 -9 -8 -5 0 6 8 10 17 20 24 29 31 38 41 45 49 53 57 61 64

AZ: 123  
OBS: 5  
DPHI: 69

82 10 11 18 AZ: 233 248  
R = 10.0 KM; OBS: 0 0  
JDGMT: 0 DPHI: -181 -166

82 10 11 18 AZ: 34 36 37 41 42 46 47 49 50 53 54 57 58 59 62 65 66 69 70 73 75 76 78  
R = 15.0 KM; OBS: 57 31 64 46 21 0 9 16 10 2 7 9 2 1 0 0 1 0 0 0 4 0 0  
JDGMT: 2 DPHI: -20 -18 -16 -13 -12 -8 -7 -5 -4 -1 1 3 5 6 8 11 12 15 16 19 21 22 25

AZ: 80 83 84 87 88 89 90 90 92 94 96 99 100 103 105 107 108 110 112 114 116 119 120  
OBS: 8 3 2 5 2 13 0 4 6 9 1 3 3 0 0 5 3 2 0 0 0 5 2  
DPHI: 26 29 30 33 34 35 36 36 38 41 42 45 47 49 51 53 54 56 59 61 62 65 66

AZ: 122  
OBS: 0  
DPHI: 68

82 10 11 18 AZ: 35 37 38 41 42 45 47 50 50 52 55 57 59 61 62 65 66 69 70 72 74 77 78  
R = 20.0 KM; OBS: 62 79 39 33 10 3 3 12 0 4 0 1 0 4 0 8 2 0 0 1 5 0 0  
JDGMT: 2 DPHI: -19 -17 -16 -13 -11 -9 -7 -4 -4 -2 1 3 5 7 8 11 12 16 16 19 21 23 25

AZ: 81 83 84 86 88 91 92 94 96 98 101 102 104 106 108 111 111 115 116 118 120 123 124  
OBS: 0 2 1 3 3 2 3 0 0 4 0 4 7 3 2 7 0 2 5 0 0 0 2  
DPHI: 27 29 30 32 34 37 38 40 43 45 47 48 50 53 55 57 58 61 62 65 66 69 71

82 10 11 18 AZ: 34 35 38 41 42 44 47 48 50 53 54 56 58 61 62 64 66 69 71 73 77 79 81  
R = 30.0 KM; OBS: 34 32 23 9 40 11 5 0 4 8 3 4 0 1 0 9 2 6 2 5 0 4 0  
JDGMT: 2 DPHI: -20 -19 -16 -13 -12 -10 -7 -5 -4 -1 0 2 5 7 8 11 12 15 17 19 23 25 27

AZ: 83 84 86 89 90 92 94 96 99 100 102 104 106 108 110 112 114 116 119 120 123 125 126  
OBS: 9 1 5 1 4 0 1 0 2 3 0 0 0 4 0 3 0 0 0 0 4 0 5  
DPHI: 29 31 32 35 36 38 41 43 45 46 48 50 52 54 56 58 61 62 65 66 69 71 73

82 10 11 18 AZ: 34 40 43 46 50 55 58 62 66 71 74 79 83 87 90 94 99 101 106 110 112 117 134  
R = 50.0 KM; OBS: 66 20 38 16 16 5 3 7 8 1 5 10 5 0 0 3 0 5 5 2 4 0 3  
JDGMT: 2 DPHI: -19 -14 -11 -8 -4 1 4 9 12 17 20 25 29 33 37 41 45 47 52 56 58 63 80

82 10 11 19 AZ: 54 86  
R = 0.5 KM; OBS: 5 0  
JDGMT: 0 DPHI: -13 19

82 10 11 19 AZ: 278 42 46 54 61 70 78 87 94 102 110 118 126  
R = 3.0 KM; OBS: 5 8 0 9 0 1 1 3 7 0 0 6 1  
JDGMT: 3 DPHI: -149 -25 -20 -13 -6 3 12 20 27 35 43 51 59

82 10 11 19 AZ: 226  
R = 5.0 KM; OBS: 2  
JDGMT: 0 DPHI: 159

82 10 11 19 AZ: 34 38 44 46 49 54 60 62 64 70 74 78 83 85 92 95 98 103 107 111 115 118 123  
R = 7.0 KM; OBS: 0 0 5 1 4 8 0 0 0 9 0 0 0 0 3 0 3 0 0 0 4 5 4  
JDGMT: 3 DPHI: -33 -29 -23 -21 -18 -13 -7 -5 -3 3 7 11 16 18 25 28 32 36 40 44 48 51 56

AZ: 233  
OBS: 1  
DPHI: 166

82 10 11 19 AZ: 248 233  
R = 10.0 KM; OBS: 0 0  
JDGMT: 0 DPHI: -179 166

82 10 11 19 AZ: 34 36 37 41 42 46 47 49 50 53 54 57 58 59 62 65 66 69 70 73 75 76 78  
R = 15.0 KM; OBS: 5 8 10 1 1 0 8 7 0 9 0 9 0 0 0 5 0 0 4 0 0 1 8  
JDGMT: 2 DPHI: -33 -31 -29 -26 -25 -21 -20 -18 -17 -14 -12 -10 -8 -7 -5 -2 -1 2 3 6 8 9 12

AZ: 80 83 84 87 88 89 90 90 92 94 96 99 100 103 105 107 108 110 112 114 116 119 120  
OBS: 0 1 0 9 0 9 0 6 2 0 0 3 0 2 2 7 7 10 0 9 0 4 6  
DPHI: 13 16 17 20 21 22 23 23 25 28 29 32 33 36 38 40 41 43 46 48 49 52 53

AZ: 122  
OBS: 6  
DPHI: 55

82 10 11 19 AZ: 35 37 38 41 42 45 47 50 50 52 55 57 59 61 62 65 66 69 70 72 74 77 78  
R = 20.0 KM; OBS: 22 17 11 3 0 7 7 6 0 5 0 0 6 4 0 0 2 2 0 1 0 1 0  
JDGMT: 2 DPHI: -32 -30 -29 -26 -24 -22 -20 -17 -17 -15 -12 -10 -8 -6 -5 -2 -1 3 3 6 7 10 11

AZ: 81 83 84 86 88 91 92 94 96 98 101 102 104 106 108 111 111 115 116 118 120 123 124  
OBS: 0 0 2 0 0 0 0 3 6 0 0 0 0 0 0 2 0 2 4 4 3 0 0  
DPHI: 14 16 17 19 21 24 25 27 29 32 34 35 37 39 41 44 45 48 49 52 53 56 57

82 10 11 19 AZ: 34 35 38 41 42 44 47 48 50 53 54 56 58 61 62 64 66 69 71 73 77 79 81  
R = 30.0 KM; OBS: 37 12 9 5 14 7 4 4 0 0 6 0 0 3 7 0 2 0 2 0 0 3 0  
JDGMT: 2 DPHI: -33 -32 -29 -26 -25 -23 -20 -19 -17 -14 -13 -11 -8 -6 -5 -2 -1 2 4 6 10 12 14

|              |       |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|              | AZ:   | 83    | 84   | 86  | 89  | 90  | 92  | 94  | 96  | 99  | 100 | 102 | 104 | 106 | 108 | 110 | 112 | 114 | 116 | 119 | 120 | 123 | 125 | 126 |     |
|              | OBS:  | 7     | 0    | 0   | 0   | 7   | 2   | 3   | 0   | 0   | 0   | 7   | 2   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 1   | 0   | 3   |     |
|              | DPHI: | 16    | 18   | 19  | 22  | 23  | 25  | 28  | 29  | 32  | 33  | 35  | 37  | 39  | 41  | 43  | 45  | 48  | 49  | 52  | 53  | 56  | 58  | 60  |     |
| 82 10 11 19  |       | AZ:   | 34   | 40  | 43  | 46  | 50  | 55  | 58  | 62  | 66  | 71  | 74  | 79  | 83  | 87  | 90  | 94  | 99  | 101 | 106 | 110 | 112 | 117 | 134 |
| R = 50.0 KM; |       | OBS:  | 0    | 0   | 4   | 8   | 2   | 5   | 1   | 0   | 2   | 1   | 3   | 1   | 6   | 3   | 0   | 0   | 0   | 2   | 0   | 0   | 2   | 7   | 0   |
| JDGMT: 2     |       | DPHI: | -32  | -27 | -24 | -21 | -17 | -12 | -9  | -5  | -1  | 4   | 7   | 12  | 16  | 20  | 23  | 28  | 32  | 34  | 39  | 43  | 45  | 50  | 67  |
| 82 10 11 20  |       | AZ:   | 54   | 86  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 0.5 KM;  |       | OBS:  | 4    | 3   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     |       | DPHI: | -24  | 8   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 11 20  |       | AZ:   | 278  | 42  | 46  | 54  | 61  | 70  | 78  | 87  | 94  | 102 | 110 | 118 | 126 |     |     |     |     |     |     |     |     |     |     |
| R = 3.0 KM;  |       | OBS:  | 0    | 4   | 6   | 6   | 2   | 9   | 7   | 0   | 0   | 3   | 3   | 0   | 0   |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 3     |       | DPHI: | -160 | -36 | -32 | -24 | -17 | -8  | 0   | 9   | 16  | 24  | 32  | 40  | 48  |     |     |     |     |     |     |     |     |     |     |
| 82 10 11 20  |       | AZ:   | 226  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 5.0 KM;  |       | OBS:  | 3    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     |       | DPHI: | 148  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 11 20  |       | AZ:   | 34   | 38  | 44  | 46  | 49  | 54  | 60  | 62  | 64  | 70  | 74  | 78  | 83  | 85  | 92  | 95  | 98  | 103 | 107 | 111 | 115 | 118 | 123 |
| R = 7.0 KM;  |       | OBS:  | 5    | 1   | 0   | 8   | 0   | 0   | 7   | 0   | 0   | 0   | 4   | 4   | 2   | 1   | 2   | 2   | 0   | 0   | 9   | 0   | 3   | 4   | 2   |
| JDGMT: 3     |       | DPHI: | -44  | -40 | -34 | -32 | -29 | -24 | -18 | -16 | -14 | -8  | -4  | 0   | 5   | 7   | 14  | 17  | 20  | 25  | 29  | 33  | 37  | 40  | 45  |
|              |       | AZ:   | 233  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |       | OBS:  | 4    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |       | DPHI: | 155  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 11 20  |       | AZ:   | 233  | 248 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 10.0 KM; |       | OBS:  | 6    | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     |       | DPHI: | 155  | 170 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 11 20  |       | AZ:   | 34   | 36  | 37  | 41  | 42  | 46  | 47  | 49  | 50  | 53  | 54  | 57  | 58  | 59  | 62  | 65  | 66  | 69  | 70  | 73  | 75  | 76  | 78  |
| R = 15.0 KM; |       | OBS:  | 5    | 0   | 5   | 0   | 0   | 3   | 1   | 6   | 0   | 3   | 1   | 2   | 5   | 5   | 6   | 0   | 7   | 2   | 5   | 0   | 0   | 2   | 0   |
| JDGMT: 3     |       | DPHI: | -44  | -42 | -41 | -37 | -36 | -32 | -31 | -29 | -28 | -25 | -24 | -21 | -20 | -19 | -16 | -13 | -12 | -9  | -8  | -5  | -3  | -2  | 0   |
|              |       | AZ:   | 80   | 83  | 84  | 87  | 88  | 89  | 90  | 90  | 92  | 94  | 96  | 99  | 100 | 103 | 105 | 107 | 108 | 110 | 112 | 114 | 116 | 119 | 120 |
|              |       | OBS:  | 0    | 0   | 8   | 18  | 0   | 0   | 9   | 3   | 0   | 0   | 6   | 2   | 4   | 7   | 0   | 7   | 0   | 0   | 4   | 10  | 0   | 0   | 0   |
|              |       | DPHI: | 2    | 5   | 6   | 9   | 10  | 11  | 12  | 12  | 14  | 16  | 18  | 21  | 22  | 25  | 27  | 29  | 30  | 32  | 34  | 36  | 38  | 41  | 42  |
|              |       | AZ:   | 122  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |       | OBS:  | 1    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |       | DPHI: | 44   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 11 20  |       | AZ:   | 35   | 37  | 38  | 41  | 42  | 45  | 47  | 50  | 50  | 52  | 55  | 57  | 59  | 61  | 62  | 65  | 66  | 69  | 70  | 72  | 74  | 77  | 78  |
| R = 20.0 KM; |       | OBS:  | 13   | 15  | 11  | 10  | 5   | 2   | 11  | 2   | 5   | 0   | 6   | 0   | 5   | 0   | 4   | 6   | 6   | 0   | 7   | 0   | 0   | 0   | 0   |
| JDGMT: 2     |       | DPHI: | -43  | -41 | -40 | -37 | -36 | -33 | -31 | -28 | -28 | -26 | -23 | -21 | -19 | -17 | -16 | -13 | -12 | -9  | -8  | -6  | -4  | -1  | 0   |
|              |       | AZ:   | 81   | 83  | 84  | 86  | 88  | 91  | 92  | 94  | 96  | 98  | 101 | 102 | 104 | 106 | 108 | 111 | 111 | 115 | 116 | 118 | 120 | 123 | 124 |
|              |       | OBS:  | 0    | 2   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 7   | 0   | 0   | 0   | 0   | 4   | 5   | 4   | 0   | 3   | 4   | 1   | 3   | 0   |
|              |       | DPHI: | 3    | 5   | 6   | 8   | 10  | 13  | 14  | 16  | 18  | 21  | 23  | 24  | 26  | 28  | 30  | 33  | 33  | 37  | 38  | 40  | 42  | 45  | 46  |

|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|--------------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| 82 10 11 20  | AZ:   | 34   | 35  | 38  | 41  | 42  | 44  | 47  | 48  | 50  | 53  | 54  | 56  | 58  | 61  | 62  | 64  | 66  | 69  | 71  | 73  | 77  | 79  | 81  |  |
| R = 30.0 KM; | OBS:  | 14   | 0   | 2   | 0   | 5   | 8   | 12  | 7   | 0   | 0   | 0   | 6   | 0   | 0   | 0   | 3   | 0   | 6   | 0   | 0   | 0   | 4   | 3   |  |
| JDGMT: 2     | DPHI: | -44  | -43 | -40 | -37 | -36 | -34 | -31 | -30 | -28 | -25 | -24 | -22 | -20 | -17 | -16 | -14 | -12 | -9  | -7  | -5  | -1  | 1   | 3   |  |
|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              | AZ:   | 83   | 84  | 86  | 89  | 90  | 92  | 94  | 96  | 99  | 100 | 102 | 104 | 106 | 108 | 110 | 112 | 114 | 116 | 119 | 120 | 123 | 125 | 126 |  |
|              | OBS:  | 0    | 0   | 4   | 2   | 0   | 1   | 0   | 2   | 5   | 2   | 0   | 8   | 6   | 5   | 9   | 9   | 3   | 0   | 0   | 0   | 0   | 2   | 0   |  |
|              | DPHI: | 5    | 6   | 8   | 11  | 12  | 14  | 17  | 18  | 21  | 22  | 24  | 26  | 28  | 30  | 32  | 34  | 37  | 38  | 41  | 42  | 45  | 47  | 48  |  |
|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 10 11 20  | AZ:   | 34   | 40  | 43  | 46  | 50  | 55  | 58  | 62  | 66  | 71  | 74  | 79  | 83  | 87  | 90  | 94  | 99  | 101 | 106 | 110 | 112 | 117 | 134 |  |
| R = 50.0 KM; | OBS:  | 0    | 9   | 0   | 4   | 0   | 8   | 0   | 0   | 0   | 0   | 11  | 0   | 6   | 0   | 6   | 0   | 2   | 4   | 5   | 6   | 0   | 4   | 0   |  |
| JDGMT: 3     | DPHI: | -44  | -38 | -35 | -32 | -28 | -23 | -20 | -16 | -12 | -7  | -4  | 1   | 5   | 9   | 12  | 16  | 21  | 23  | 28  | 32  | 34  | 39  | 56  |  |
|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 10 11 21  | AZ:   | 54   | 86  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| R = 0.5 KM;  | OBS:  | 0    | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| JDGMT: 0     | DPHI: | -28  | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 10 11 21  | AZ:   | 278  | 42  | 46  | 54  | 61  | 70  | 78  | 87  | 94  | 102 | 110 | 118 | 126 |     |     |     |     |     |     |     |     |     |     |  |
| R = 3.0 KM;  | OBS:  | 0    | 0   | 0   | 6   | 1   | 9   | 0   | 0   | 5   | 1   | 0   | 0   | 5   |     |     |     |     |     |     |     |     |     |     |  |
| JDGMT: 3     | DPHI: | -163 | -39 | -35 | -27 | -21 | -11 | -3  | 5   | 13  | 21  | 29  | 37  | 45  |     |     |     |     |     |     |     |     |     |     |  |
|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 10 11 21  | AZ:   | 226  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| R = 5.0 KM;  | OBS:  | 5    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| JDGMT: 0     | DPHI: | 145  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 10 11 21  | AZ:   | 34   | 38  | 44  | 46  | 49  | 54  | 60  | 62  | 64  | 70  | 74  | 78  | 83  | 85  | 92  | 95  | 98  | 103 | 107 | 111 | 115 | 118 | 123 |  |
| R = 7.0 KM;  | OBS:  | 1    | 3   | 0   | 2   | 0   | 3   | 0   | 6   | 0   | 4   | 0   | 2   | 1   | 7   | 5   | 3   | 5   | 6   | 0   | 9   | 0   | 7   | 5   |  |
| JDGMT: 2     | DPHI: | -47  | -43 | -37 | -36 | -32 | -27 | -21 | -20 | -17 | -11 | -7  | -3  | 1   | 3   | 11  | 13  | 17  | 21  | 25  | 30  | 34  | 37  | 41  |  |
|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              | AZ:   | 233  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              | OBS:  | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              | DPHI: | 151  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 10 11 21  | AZ:   | 233  | 248 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| R = 10.0 KM; | OBS:  | 0    | 11  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| JDGMT: 0     | DPHI: | 152  | 166 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 10 11 21  | AZ:   | 34   | 36  | 37  | 41  | 42  | 46  | 47  | 49  | 50  | 53  | 54  | 57  | 58  | 59  | 62  | 65  | 66  | 69  | 70  | 73  | 75  | 76  | 78  |  |
| R = 15.0 KM; | OBS:  | 0    | 9   | 6   | 3   | 0   | 0   | 0   | 0   | 1   | 6   | 6   | 3   | 0   | 0   | 0   | 2   | 0   | 0   | 3   | 0   | 4   | 5   | 0   |  |
| JDGMT: 3     | DPHI: | -47  | -45 | -44 | -40 | -40 | -36 | -35 | -33 | -31 | -29 | -27 | -25 | -23 | -22 | -19 | -16 | -15 | -13 | -11 | -8  | -6  | -6  | -3  |  |
|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              | AZ:   | 80   | 83  | 84  | 87  | 88  | 89  | 90  | 90  | 92  | 94  | 96  | 99  | 100 | 103 | 105 | 107 | 108 | 110 | 112 | 114 | 116 | 119 | 120 |  |
|              | OBS:  | 7    | 10  | 9   | 60  | 7   | 3   | 7   | 3   | 5   | 2   | 0   | 0   | 1   | 0   | 0   | 8   | 9   | 8   | 0   | 0   | 0   | 0   | 10  |  |
|              | DPHI: | -2   | 1   | 3   | 5   | 6   | 8   | 8   | 8   | 11  | 13  | 14  | 17  | 19  | 21  | 24  | 26  | 27  | 29  | 31  | 33  | 35  | 37  | 39  |  |
|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              | AZ:   | 122  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              | OBS:  | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              | DPHI: | 40   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 10 11 21  | AZ:   | 35   | 37  | 38  | 41  | 42  | 45  | 47  | 50  | 50  | 52  | 55  | 57  | 59  | 61  | 62  | 65  | 66  | 69  | 70  | 72  | 74  | 77  | 78  |  |
| R = 20.0 KM; | OBS:  | 11   | 9   | 15  | 5   | 3   | 0   | 4   | 6   | 2   | 0   | 3   | 0   | 0   | 6   | 7   | 0   | 2   | 0   | 0   | 7   | 2   | 0   | 3   |  |
| JDGMT: 2     | DPHI: | -47  | -45 | -44 | -40 | -39 | -36 | -35 | -31 | -31 | -29 | -27 | -24 | -22 | -21 | -19 | -16 | -15 | -12 | -12 | -9  | -7  | -5  | -3  |  |



|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|              | AZ:   | 81   | 83  | 84  | 86  | 88  | 91  | 92  | 94  | 96  | 98  | 101 | 102 | 104 | 106 | 108 | 111 | 111 | 115 | 116 | 118 | 120 | 123 | 124 |
|              | OBS:  | 7    | 0   | 3   | 4   | 3   | 2   | 2   | 1   | 0   | 0   | 0   | 0   | 0   | 7   | 8   | 0   | 0   | 2   | 0   | 9   | 0   | 0   | 4   |
|              | DPHI: | -1   | 1   | 3   | 5   | 7   | 10  | 11  | 13  | 15  | 17  | 19  | 21  | 23  | 25  | 27  | 29  | 30  | 33  | 35  | 37  | 38  | 42  | 43  |
| 82 10 11 21  | AZ:   | 34   | 35  | 38  | 41  | 42  | 44  | 47  | 48  | 50  | 53  | 54  | 56  | 58  | 61  | 62  | 64  | 66  | 69  | 71  | 73  | 77  | 79  | 81  |
| R = 30.0 KM; | OBS:  | 22   | 8   | 2   | 0   | 10  | 0   | 9   | 5   | 4   | 4   | 1   | 0   | 2   | 9   | 9   | 1   | 6   | 0   | 0   | 5   | 4   | 0   | 0   |
| JDGMT: 2     | DPHI: | -48  | -47 | -43 | -41 | -39 | -37 | -34 | -33 | -31 | -28 | -27 | -25 | -23 | -21 | -19 | -17 | -15 | -13 | -11 | -9  | -5  | -3  | -1  |
|              | AZ:   | 83   | 84  | 86  | 89  | 90  | 92  | 94  | 96  | 99  | 100 | 102 | 104 | 106 | 108 | 110 | 112 | 114 | 116 | 119 | 120 | 123 | 125 | 126 |
|              | OBS:  | 5    | 8   | 1   | 0   | 1   | 4   | 0   | 0   | 1   | 6   | 8   | 0   | 0   | 0   | 11  | 1   | 0   | 0   | 0   | 0   | 12  | 0   | 3   |
|              | DPHI: | 1    | 3   | 5   | 7   | 9   | 11  | 13  | 15  | 18  | 19  | 21  | 23  | 25  | 27  | 28  | 31  | 33  | 35  | 38  | 39  | 42  | 43  | 45  |
| 82 10 11 21  | AZ:   | 34   | 40  | 43  | 46  | 50  | 55  | 58  | 62  | 66  | 71  | 74  | 79  | 83  | 87  | 90  | 94  | 99  | 101 | 106 | 110 | 112 | 117 | 134 |
| R = 50.0 KM; | OBS:  | 6    | 1   | 0   | 0   | 0   | 0   | 0   | 5   | 0   | 0   | 4   | 5   | 6   | 4   | 2   | 4   | 0   | 3   | 2   | 1   | 0   | 0   | 6   |
| JDGMT: 2     | DPHI: | -47  | -42 | -39 | -36 | -31 | -27 | -23 | -19 | -15 | -10 | -7  | -3  | 1   | 5   | 9   | 13  | 17  | 20  | 25  | 29  | 31  | 36  | 53  |
| 82 10 11 22  | AZ:   | 54   | 86  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 0.5 KM;  | OBS:  | 0    | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     | DPHI: | -26  | 7   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 11 22  | AZ:   | 278  | 42  | 46  | 54  | 61  | 70  | 78  | 87  | 94  | 102 | 110 | 118 | 126 |     |     |     |     |     |     |     |     |     |     |
| R = 3.0 KM;  | OBS:  | 8    | 8   | 0   | 5   | 1   | 1   | 0   | 2   | 5   | 0   | 0   | 0   | 4   |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 2     | DPHI: | -161 | -37 | -33 | -25 | -19 | -9  | -1  | 7   | 15  | 23  | 31  | 39  | 47  |     |     |     |     |     |     |     |     |     |     |
| 82 10 11 22  | AZ:   | 226  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 5.0 KM;  | OBS:  | 6    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     | DPHI: | 147  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 11 22  | AZ:   | 34   | 38  | 44  | 46  | 49  | 54  | 60  | 62  | 64  | 70  | 74  | 78  | 83  | 85  | 92  | 95  | 98  | 103 | 107 | 111 | 115 | 118 | 123 |
| R = 7.0 KM;  | OBS:  | 0    | 2   | 0   | 14  | 0   | 1   | 0   | 6   | 1   | 7   | 8   | 0   | 0   | 0   | 3   | 7   | 9   | 5   | 0   | 1   | 5   | 8   | 4   |
| JDGMT: 2     | DPHI: | -45  | -42 | -35 | -34 | -30 | -25 | -19 | -18 | -15 | -9  | -5  | -1  | 3   | 5   | 13  | 15  | 19  | 23  | 27  | 32  | 36  | 39  | 43  |
|              | AZ:   | 233  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 9    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 153  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 11 22  | AZ:   | 233  | 248 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 10.0 KM; | OBS:  | 7    | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     | DPHI: | 154  | 168 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 11 22  | AZ:   | 34   | 36  | 37  | 41  | 42  | 46  | 47  | 49  | 50  | 53  | 54  | 57  | 58  | 59  | 62  | 65  | 66  | 69  | 70  | 73  | 75  | 76  | 78  |
| R = 15.0 KM; | OBS:  | 4    | 14  | 0   | 7   | 0   | 0   | 6   | 5   | 6   | 5   | 0   | 2   | 1   | 0   | 0   | 4   | 0   | 0   | 0   | 0   | 0   | 9   | 5   |
| JDGMT: 3     | DPHI: | -45  | -43 | -42 | -38 | -38 | -34 | -33 | -31 | -29 | -27 | -25 | -23 | -21 | -20 | -17 | -14 | -13 | -11 | -9  | -6  | -4  | -4  | -1  |
|              | AZ:   | 80   | 83  | 84  | 87  | 88  | 89  | 90  | 90  | 92  | 94  | 96  | 99  | 100 | 103 | 105 | 107 | 108 | 110 | 112 | 114 | 116 | 119 | 120 |
|              | OBS:  | 8    | 3   | 0   | 35  | 62  | 0   | 0   | 3   | 0   | 8   | 4   | 0   | 0   | 0   | 6   | 0   | 10  | 0   | 3   | 6   | 0   | 0   | 5   |
|              | DPHI: | 0    | 3   | 5   | 7   | 8   | 10  | 10  | 10  | 13  | 15  | 16  | 19  | 21  | 23  | 25  | 28  | 29  | 31  | 33  | 35  | 37  | 39  | 41  |
|              | AZ:   | 122  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 42   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |

|              |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|--------------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| 82 10 11 22  | AZ:   | 35   | 37  | 38  | 41  | 42  | 45  | 47  | 50  | 50  | 52  | 55  | 57  | 59  | 61  | 62  | 65  | 66  | 69  | 70  | 72  | 74  | 77  | 78  |  |
| R = 20.0 KM; | OBS:  | 11   | 16  | 0   | 0   | 4   | 0   | 0   | 2   | 5   | 0   | 2   | 0   | 0   | 2   | 1   | 5   | 1   | 0   | 7   | 0   | 0   | 0   | 6   |  |
| JDGMT: 2     | DPHI: | -45  | -43 | -42 | -38 | -37 | -34 | -33 | -30 | -29 | -27 | -25 | -22 | -20 | -19 | -17 | -15 | -13 | -10 | -10 | -7  | -5  | -3  | -1  |  |
|              | AZ:   | 81   | 83  | 84  | 86  | 88  | 91  | 92  | 94  | 96  | 98  | 101 | 102 | 104 | 106 | 108 | 111 | 111 | 115 | 116 | 118 | 120 | 123 | 124 |  |
|              | OBS:  | 0    | 0   | 6   | 0   | 0   | 9   | 0   | 1   | 0   | 6   | 0   | 0   | 0   | 0   | 0   | 9   | 3   | 4   | 1   | 2   | 3   | 0   | 0   |  |
|              | DPHI: | 1    | 3   | 5   | 7   | 9   | 11  | 13  | 15  | 17  | 19  | 21  | 23  | 25  | 27  | 29  | 31  | 32  | 35  | 37  | 39  | 40  | 43  | 45  |  |
| 82 10 11 22  | AZ:   | 34   | 35  | 38  | 41  | 42  | 44  | 47  | 48  | 50  | 53  | 54  | 56  | 58  | 61  | 62  | 64  | 66  | 69  | 71  | 73  | 77  | 79  | 81  |  |
| R = 30.0 KM; | OBS:  | 19   | 15  | 8   | 0   | 2   | 1   | 0   | 8   | 1   | 4   | 1   | 2   | 0   | 0   | 4   | 0   | 2   | 3   | 0   | 0   | 8   | 9   | 0   |  |
| JDGMT: 2     | DPHI: | -46  | -45 | -41 | -39 | -37 | -35 | -32 | -31 | -29 | -27 | -25 | -23 | -21 | -19 | -17 | -15 | -13 | -11 | -9  | -7  | -3  | -1  | 1   |  |
|              | AZ:   | 83   | 84  | 86  | 89  | 90  | 92  | 94  | 96  | 99  | 100 | 102 | 104 | 106 | 108 | 110 | 112 | 114 | 116 | 119 | 120 | 123 | 125 | 126 |  |
|              | OBS:  | 4    | 0   | 4   | 0   | 2   | 4   | 0   | 0   | 0   | 2   | 0   | 0   | 0   | 0   | 7   | 0   | 0   | 0   | 0   | 0   | 5   | 0   | 5   |  |
|              | DPHI: | 3    | 5   | 7   | 9   | 11  | 13  | 15  | 17  | 20  | 21  | 23  | 25  | 27  | 29  | 30  | 33  | 35  | 37  | 40  | 41  | 44  | 45  | 47  |  |
| 82 10 11 22  | AZ:   | 34   | 40  | 43  | 46  | 50  | 55  | 58  | 62  | 66  | 71  | 74  | 79  | 83  | 87  | 90  | 94  | 99  | 101 | 106 | 110 | 112 | 117 | 134 |  |
| R = 50.0 KM; | OBS:  | 11   | 14  | 1   | 0   | 6   | 0   | 0   | 0   | 5   | 6   | 11  | 6   | 9   | 1   | 1   | 0   | 0   | 1   | 6   | 2   | 8   | 6   | 2   |  |
| JDGMT: 2     | DPHI: | -45  | -40 | -37 | -34 | -29 | -25 | -21 | -17 | -13 | -8  | -5  | -1  | 3   | 7   | 11  | 15  | 19  | 22  | 27  | 30  | 33  | 38  | 55  |  |
| 82 10 11 23  | AZ:   | 54   | 86  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| R = 0.5 KM;  | OBS:  | 1    | 7   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| JDGMT: 0     | DPHI: | -23  | 9   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 10 11 23  | AZ:   | 278  | 42  | 46  | 54  | 61  | 70  | 78  | 87  | 94  | 102 | 110 | 118 | 126 |     |     |     |     |     |     |     |     |     |     |  |
| R = 3.0 KM;  | OBS:  | 5    | 1   | 4   | 1   | 3   | 0   | 4   | 8   | 0   | 4   | 6   | 0   | 0   |     |     |     |     |     |     |     |     |     |     |  |
| JDGMT: 3     | DPHI: | -159 | -35 | -30 | -23 | -16 | -7  | 2   | 10  | 17  | 25  | 34  | 41  | 49  |     |     |     |     |     |     |     |     |     |     |  |
| 82 10 11 23  | AZ:   | 226  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| R = 5.0 KM;  | OBS:  | 9    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| JDGMT: 0     | DPHI: | 149  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 10 11 23  | AZ:   | 34   | 38  | 44  | 46  | 49  | 54  | 60  | 62  | 64  | 70  | 74  | 78  | 83  | 85  | 92  | 95  | 98  | 103 | 107 | 111 | 115 | 118 | 123 |  |
| R = 7.0 KM;  | OBS:  | 2    | 0   | 10  | 13  | 10  | 4   | 2   | 0   | 0   | 3   | 0   | 6   | 3   | 5   | 2   | 10  | 3   | 0   | 6   | 8   | 0   | 4   | 0   |  |
| JDGMT: 2     | DPHI: | -42  | -39 | -32 | -31 | -28 | -23 | -17 | -15 | -13 | -6  | -3  | 1   | 6   | 8   | 15  | 18  | 22  | 26  | 30  | 34  | 38  | 41  | 46  |  |
|              | AZ:   | 233  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              | OBS:  | 3    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              | DPHI: | 156  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 10 11 23  | AZ:   | 233  | 248 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| R = 10.0 KM; | OBS:  | 5    | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| JDGMT: 0     | DPHI: | 156  | 171 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 10 11 23  | AZ:   | 34   | 36  | 37  | 41  | 42  | 46  | 47  | 49  | 50  | 53  | 54  | 57  | 58  | 59  | 62  | 65  | 66  | 69  | 70  | 73  | 75  | 76  | 78  |  |
| R = 15.0 KM; | OBS:  | 11   | 9   | 0   | 3   | 5   | 0   | 12  | 6   | 0   | 0   | 3   | 0   | 2   | 7   | 3   | 9   | 7   | 4   | 4   | 7   | 0   | 0   | 0   |  |
| JDGMT: 3     | DPHI: | -43  | -41 | -39 | -36 | -35 | -31 | -30 | -28 | -27 | -24 | -22 | -20 | -18 | -17 | -15 | -12 | -11 | -8  | -7  | -4  | -2  | -1  | 2   |  |
|              | AZ:   | 80   | 83  | 84  | 87  | 88  | 89  | 90  | 90  | 92  | 94  | 96  | 99  | 100 | 103 | 105 | 107 | 108 | 110 | 112 | 114 | 116 | 119 | 120 |  |
|              | OBS:  | 0    | 1   | 3   | 55  | 13  | 14  | 0   | 9   | 0   | 9   | 2   | 1   | 9   | 0   | 0   | 2   | 4   | 3   | 2   | 0   | 0   | 0   | 6   |  |
|              | DPHI: | 3    | 6   | 7   | 10  | 11  | 12  | 13  | 13  | 15  | 18  | 19  | 22  | 24  | 26  | 28  | 30  | 31  | 33  | 36  | 38  | 39  | 42  | 43  |  |

AZ: 122  
OBS: 4  
DPHI: 45

82 10 11 23 AZ: 35 37 38 41 42 45 47 50 50 52 55 57 59 61 62 65 66 69 70 72 74 77 78  
R = 20.0 KM; OBS: 18 11 7 3 9 7 9 0 0 5 0 6 6 9 8 0 9 0 4 0 0 0 0  
JDGMT: 2 DPHI: -42 -40 -39 -36 -34 -32 -30 -27 -27 -25 -22 -20 -18 -16 -15 -12 -11 -7 -7 -4 -2 0 2

AZ: 81 83 84 86 88 91 92 94 96 98 101 102 104 106 108 111 111 115 116 118 120 123 124  
OBS: 0 5 0 0 0 0 8 0 9 2 0 7 0 0 2 10 6 6 4 3 2 5 6  
DPHI: 4 6 7 9 11 14 15 17 20 22 24 25 27 29 32 34 35 38 39 42 43 46 48

82 10 11 23 AZ: 34 35 38 41 42 44 47 48 50 53 54 56 58 61 62 64 66 69 71 73 77 79 81  
R = 30.0 KM; OBS: 7 5 19 35 10 8 1 0 0 0 4 5 9 1 9 0 1 0 0 0 6 4 0  
JDGMT: 2 DPHI: -43 -42 -39 -36 -35 -33 -30 -28 -27 -24 -23 -21 -18 -16 -15 -12 -11 -8 -6 -4 0 2 4

AZ: 83 84 86 89 90 92 94 96 99 100 102 104 106 108 110 112 114 116 119 120 123 125 126  
OBS: 5 2 0 4 0 0 1 2 4 7 5 4 5 5 0 7 11 1 0 7 9 2 0  
DPHI: 6 8 9 12 13 15 18 20 22 23 25 27 29 31 33 35 38 39 42 43 46 48 50

82 10 11 23 AZ: 34 40 43 46 50 55 58 62 66 71 74 79 83 87 90 94 99 101 106 110 112 117 134  
R = 50.0 KM; OBS: 1 10 3 0 0 2 7 3 1 5 0 10 3 0 8 0 6 0 4 0 8 6 3  
JDGMT: 2 DPHI: -42 -37 -34 -31 -27 -22 -19 -14 -11 -6 -3 2 6 10 14 18 22 24 29 33 35 40 57

82 10 11 24 AZ: 54 86  
R = 0.5 KM; OBS: 1 0  
JDGMT: 0 DPHI: -17 15

82 10 11 24 AZ: 278 42 46 54 61 70 78 87 94 102 110 118 126  
R = 3.0 KM; OBS: 3 3 0 0 0 1 0 0 9 1 0 0 0  
JDGMT: 3 DPHI: -153 -29 -25 -17 -10 -1 7 16 23 31 39 47 55

82 10 11 24 AZ: 226  
R = 5.0 KM; OBS: 1  
JDGMT: 0 DPHI: 155

82 10 11 24 AZ: 34 38 44 46 49 54 60 62 64 70 74 78 83 85 92 95 98 103 107 111 115 118 123  
R = 7.0 KM; OBS: 0 7 4 3 0 8 0 0 9 9 1 1 2 1 0 6 4 0 0 4 4 0 0  
JDGMT: 3 DPHI: -37 -33 -27 -25 -22 -17 -11 -9 -7 -1 3 7 12 14 21 24 27 32 36 40 44 47 51

AZ: 233  
OBS: 0  
DPHI: 162

82 10 11 24 AZ: 233 248  
R = 10.0 KM; OBS: 4 0  
JDGMT: 0 DPHI: 162 177

82 10 11 24 AZ: 34 36 37 41 42 46 47 49 50 53 54 57 58 59 62 65 66 69 70 73 75 76 78  
R = 15.0 KM; OBS: 23 7 0 1 5 0 18 1 5 7 0 10 0 0 0 9 0 0 2 0 0 0 6  
JDGMT: 3 DPHI: -37 -35 -34 -30 -29 -25 -24 -22 -21 -18 -17 -14 -13 -12 -9 -6 -5 -2 -1 2 4 5 7

|       |    |    |    |    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |
|-------|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| AZ:   | 80 | 83 | 84 | 87 | 88 | 89 | 90 | 90 | 92 | 94 | 96 | 99 | 100 | 103 | 105 | 107 | 108 | 110 | 112 | 114 | 116 | 119 | 120 |
| OBS:  | 0  | 0  | 3  | 22 | 9  | 94 | 9  | 5  | 2  | 12 | 0  | 2  | 0   | 9   | 0   | 9   | 2   | 2   | 0   | 0   | 0   | 0   | 4   |
| DPHI: | 9  | 12 | 13 | 16 | 17 | 18 | 19 | 19 | 21 | 23 | 25 | 28 | 29  | 32  | 34  | 36  | 37  | 39  | 41  | 43  | 45  | 48  | 49  |

|       |     |
|-------|-----|
| AZ:   | 122 |
| OBS:  | 0   |
| DPHI: | 51  |

|              |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |
|--------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|
| 82 10 11 24  | AZ:   | 35  | 37  | 38  | 41  | 42  | 45  | 47  | 50  | 50  | 52  | 55  | 57  | 59  | 61  | 62 | 65 | 66 | 69 | 70 | 72 | 74 | 77 | 78 |
| R = 20.0 KM; | OBS:  | 21  | 10  | 4   | 5   | 14  | 2   | 2   | 2   | 0   | 2   | 0   | 3   | 4   | 1   | 5  | 10 | 3  | 5  | 0  | 0  | 6  | 0  | 0  |
| JDGMT: 2     | DPHI: | -36 | -34 | -33 | -30 | -29 | -26 | -24 | -21 | -21 | -19 | -17 | -14 | -12 | -11 | -9 | -6 | -5 | -2 | -1 | 1  | 3  | 6  | 7  |

|       |    |    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| AZ:   | 81 | 83 | 84 | 86 | 88 | 91 | 92 | 94 | 96 | 98 | 101 | 102 | 104 | 106 | 108 | 111 | 111 | 115 | 116 | 118 | 120 | 123 | 124 |
| OBS:  | 0  | 0  | 8  | 5  | 4  | 5  | 5  | 9  | 3  | 0  | 7   | 0   | 6   | 6   | 3   | 9   | 3   | 0   | 0   | 9   | 0   | 0   | 0   |
| DPHI: | 10 | 12 | 13 | 15 | 17 | 20 | 21 | 23 | 25 | 27 | 30  | 31  | 33  | 35  | 37  | 39  | 40  | 44  | 45  | 47  | 49  | 52  | 53  |

|              |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |
|--------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|
| 82 10 11 24  | AZ:   | 34  | 35  | 38  | 41  | 42  | 44  | 47  | 48  | 50  | 53  | 54  | 56  | 58  | 61  | 62 | 64 | 66 | 69 | 71 | 73 | 77 | 79 | 81 |
| R = 30.0 KM; | OBS:  | 42  | 10  | 8   | 26  | 33  | 6   | 3   | 5   | 5   | 0   | 5   | 1   | 9   | 6   | 0  | 0  | 6  | 8  | 6  | 1  | 9  | 6  | 7  |
| JDGMT: 2     | DPHI: | -37 | -36 | -33 | -30 | -29 | -27 | -24 | -23 | -21 | -18 | -17 | -15 | -13 | -10 | -9 | -7 | -5 | -3 | 0  | 2  | 6  | 8  | 10 |

|       |    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| AZ:   | 83 | 84 | 86 | 89 | 90 | 92 | 94 | 96 | 99 | 100 | 102 | 104 | 106 | 108 | 110 | 112 | 114 | 116 | 119 | 120 | 123 | 125 | 126 |
| OBS:  | 10 | 10 | 0  | 0  | 3  | 1  | 2  | 1  | 0  | 9   | 6   | 0   | 5   | 0   | 0   | 5   | 0   | 0   | 0   | 7   | 0   | 0   | 4   |
| DPHI: | 12 | 13 | 15 | 18 | 19 | 21 | 23 | 25 | 28 | 29  | 31  | 33  | 35  | 37  | 39  | 41  | 43  | 45  | 48  | 49  | 52  | 54  | 55  |

|              |       |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |
|--------------|-------|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| 82 10 11 24  | AZ:   | 34  | 40  | 43  | 46  | 50  | 55  | 58  | 62 | 66 | 71 | 74 | 79 | 83 | 87 | 90 | 94 | 99 | 101 | 106 | 110 | 112 | 117 | 134 |
| R = 50.0 KM; | OBS:  | 0   | 2   | 0   | 6   | 7   | 1   | 2   | 1  | 8  | 3  | 6  | 8  | 6  | 2  | 0  | 5  | 0  | 0   | 1   | 1   | 1   | 0   | 6   |
| JDGMT: 3     | DPHI: | -37 | -31 | -28 | -25 | -21 | -16 | -13 | -9 | -5 | 0  | 3  | 8  | 12 | 16 | 19 | 23 | 28 | 30  | 35  | 39  | 41  | 46  | 63  |

|             |       |    |
|-------------|-------|----|
| 82 10 13 5  | AZ:   | 1  |
| R = 0.5 KM; | OBS:  | 0  |
| JDGMT: 0    | DPHI: | 49 |

|              |       |     |     |
|--------------|-------|-----|-----|
| 82 10 13 5   | AZ:   | 248 | 263 |
| R = 10.0 KM; | OBS:  | 0   | 4   |
| JDGMT: 0     | DPHI: | -64 | -49 |

|              |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 82 10 13 5   | AZ:   | 43  | 43  | 43  | 44  | 44  | 44  | 45  | 45  | 45  | 46  | 46  | 47  | 47  | 47  | 48  | 48  | 49  | 280 | 280 | 280 | 281 | 281 | 282 |
| R = 15.0 KM; | OBS:  | 355 | 355 | 355 | 356 | 356 | 356 | 357 | 357 | 357 | 357 | 357 | 359 | 359 | 359 | 360 | 0   | 0   | 0   | 0   | 0   | 3   | 0   | 0   |
| JDGMT: 3     | DPHI: | -56 | -40 | -39 | -39 | -38 | -37 | -36 | -35 | -35 | -34 | -34 | -34 | -34 | -34 | -34 | -34 | -32 | -32 | -32 | -32 | -31 | -31 | -29 |

|       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| AZ:   | 284 | 285 | 286 | 286 | 287 | 287 | 288 | 289 | 289 | 291 | 292 | 293 | 293 | 293 | 293 | 299 | 309 | 311 | 312 | 313 | 317 | 318 | 319 |
| OBS:  | 0   | 1   | 3   | 0   | 7   | 4   | 6   | 0   | 8   | 8   | 0   | 4   | 0   | 0   | 4   | 0   | 0   | 9   | 2   | 6   | 0   | 7   | 0   |
| DPHI: | -28 | -26 | -26 | -26 | -25 | -25 | -24 | -23 | -22 | -21 | -20 | -19 | -19 | -19 | -19 | -12 | -3  | -1  | 0   | 1   | 6   | 6   | 8   |

|       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| AZ:   | 320 | 320 | 321 | 321 | 323 | 324 | 324 | 325 | 325 | 326 | 327 | 328 | 328 | 328 | 328 | 328 | 328 | 329 | 329 | 329 | 329 | 329 | 329 |
| OBS:  | 5   | 0   | 5   | 0   | 5   | 4   | 5   | 0   | 7   | 8   | 7   | 5   | 0   | 0   | 0   | 0   | 0   | 0   | 3   | 0   | 0   | 2   | 0   |
| DPHI: | 8   | 9   | 9   | 9   | 11  | 12  | 12  | 13  | 13  | 14  | 15  | 16  | 16  | 16  | 16  | 17  | 17  | 17  | 17  | 17  | 17  | 18  | 18  |

|       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| AZ:   | 330 | 331 | 331 | 332 | 332 | 333 | 333 | 333 | 334 | 335 | 335 | 340 | 343 | 344 | 344 | 345 | 345 | 346 | 346 | 346 | 347 | 347 | 349 |
| OBS:  | 0   | 0   | 0   | 0   | 9   | 0   | 0   | 0   | 0   | 0   | 6   | 3   | 0   | 9   | 1   | 0   | 0   | 0   | 9   | 0   | 7   | 0   | 0   |
| DPHI: | 18  | 19  | 20  | 21  | 21  | 21  | 21  | 22  | 22  | 23  | 23  | 28  | 31  | 32  | 33  | 33  | 33  | 34  | 34  | 35  | 35  | 35  | 37  |

|       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| AZ:   | 349 | 349 | 349 | 350 | 351 | 352 | 353 | 353 | 355 | 355 | 355 | 356 | 356 | 356 | 357 | 357 | 357 | 357 | 357 | 359 | 359 | 359 | 360 |
| OBS:  | 0   | 0   | 0   | 0   | 5   | 0   | 0   | 2   | 0   | 2   | 3   | 0   | 1   | 0   | 9   | 4   | 0   | 0   | 6   | 6   | 0   | 6   | 9   |
| DPHI: | 37  | 37  | 38  | 38  | 40  | 40  | 41  | 41  | 43  | 43  | 43  | 44  | 44  | 44  | 45  | 45  | 45  | 46  | 46  | 47  | 47  | 47  | 48  |

|       |    |    |
|-------|----|----|
| AZ:   | 0  | 0  |
| OBS:  | 0  | 0  |
| DPHI: | 48 | 49 |

|              |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |
|--------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| 82 10 13 5   | AZ:   | 244 | 270 | 272 | 272 | 273 | 273 | 274 | 275 | 275 | 276 | 276 | 276 | 276 | 277 | 277 | 277 | 278 | 279 | 279 | 279 | 279 | 280 |   |
| R = 20.0 KM; | OBS:  | 2   | 0   | 1   | 0   | 2   | 1   | 3   | 0   | 2   | 0   | 0   | 12  | 4   | 0   | 3   | 7   | 4   | 0   | 4   | 0   | 0   | 2   | 0 |
| JDGMT: 2     | DPHI: | -68 | -42 | -40 | -40 | -39 | -39 | -38 | -37 | -37 | -36 | -36 | -36 | -35 | -35 | -35 | -35 | -34 | -33 | -33 | -33 | -33 | -32 |   |

|       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| AZ:   | 282 | 284 | 284 | 285 | 285 | 287 | 291 | 292 | 292 | 293 | 294 | 295 | 296 | 298 | 300 | 303 | 306 | 306 | 308 | 314 | 326 | 326 | 326 |
| OBS:  | 7   | 2   | 0   | 3   | 2   | 0   | 0   | 3   | 0   | 3   | 8   | 4   | 5   | 10  | 0   | 0   | 0   | 1   | 0   | 6   | 3   | 4   | 0   |
| DPHI: | -30 | -28 | -28 | -27 | -27 | -25 | -21 | -20 | -20 | -18 | -18 | -17 | -16 | -13 | -12 | -9  | -6  | -5  | -3  | 3   | 14  | 14  | 15  |

|       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| AZ:   | 327 | 327 | 327 | 341 | 347 | 347 | 348 | 349 | 349 | 350 | 350 | 351 | 351 | 351 | 351 | 352 | 353 | 354 | 355 | 357 | 358 | 359 |
| OBS:  | 0   | 0   | 5   | 4   | 5   | 0   | 8   | 0   | 0   | 2   | 0   | 0   | 0   | 0   | 0   | 5   | 8   | 3   | 0   | 0   | 2   | 2   |
| DPHI: | 15  | 15  | 15  | 29  | 35  | 35  | 36  | 37  | 38  | 38  | 38  | 39  | 39  | 40  | 40  | 41  | 42  | 43  | 43  | 45  | 46  | 48  |

|             |       |    |
|-------------|-------|----|
| 82 10 13 6  | AZ:   | 1  |
| R = 0.5 KM; | OBS:  | 1  |
| JDGMT: 0    | DPHI: | 48 |

|              |       |     |     |
|--------------|-------|-----|-----|
| 82 10 13 6   | AZ:   | 248 | 263 |
| R = 10.0 KM; | OBS:  | 6   | 0   |
| JDGMT: 0     | DPHI: | -65 | -50 |

|              |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 82 10 13 6   | AZ:   | 42  | 42  | 42  | 43  | 43  | 43  | 44  | 44  | 44  | 44  | 44  | 46  | 46  | 46  | 47  | 47  | 48  | 280 | 280 | 280 | 281 | 281 | 282 |
| R = 15.0 KM; | OBS:  | 355 | 355 | 355 | 356 | 356 | 356 | 357 | 357 | 357 | 357 | 357 | 359 | 359 | 359 | 360 | 0   | 0   | 3   | 5   | 7   | 4   | 5   | 11  |
| JDGMT: 2     | DPHI: | -57 | -41 | -41 | -40 | -39 | -38 | -37 | -36 | -36 | -35 | -35 | -35 | -35 | -35 | -35 | -35 | -33 | -33 | -33 | -33 | -32 | -32 | -31 |

|       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| AZ:   | 284 | 285 | 286 | 286 | 287 | 287 | 288 | 289 | 289 | 291 | 292 | 293 | 293 | 293 | 293 | 299 | 309 | 311 | 312 | 313 | 317 | 318 | 319 |
| OBS:  | 0   | 8   | 0   | 4   | 2   | 6   | 8   | 7   | 8   | 7   | 4   | 0   | 0   | 2   | 1   | 4   | 3   | 0   | 0   | 7   | 5   | 5   | 8   |
| DPHI: | -29 | -28 | -27 | -27 | -26 | -26 | -25 | -24 | -24 | -22 | -21 | -20 | -20 | -20 | -20 | -14 | -4  | -2  | -1  | 0   | 5   | 5   | 6   |

|       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| AZ:   | 320 | 320 | 321 | 321 | 323 | 324 | 324 | 325 | 325 | 326 | 327 | 328 | 328 | 328 | 328 | 328 | 328 | 329 | 329 | 329 | 329 | 329 | 329 |
| OBS:  | 8   | 0   | 3   | 5   | 0   | 1   | 1   | 4   | 0   | 0   | 9   | 5   | 5   | 4   | 8   | 6   | 8   | 0   | 0   | 6   | 3   | 0   | 2   |
| DPHI: | 7   | 7   | 8   | 8   | 10  | 11  | 11  | 12  | 12  | 13  | 14  | 15  | 15  | 15  | 15  | 15  | 15  | 16  | 16  | 16  | 16  | 16  | 17  |

|       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| AZ:   | 330 | 331 | 331 | 332 | 332 | 333 | 333 | 333 | 334 | 335 | 335 | 340 | 343 | 344 | 344 | 345 | 345 | 346 | 346 | 346 | 347 | 347 | 349 |
| OBS:  | 4   | 3   | 6   | 6   | 0   | 3   | 8   | 2   | 3   | 3   | 5   | 3   | 4   | 7   | 6   | 4   | 0   | 0   | 7   | 0   | 0   | 5   | 6   |
| DPHI: | 17  | 18  | 19  | 19  | 20  | 20  | 20  | 20  | 21  | 22  | 22  | 27  | 30  | 31  | 31  | 32  | 32  | 33  | 33  | 34  | 34  | 34  | 36  |

|       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| AZ:   | 349 | 349 | 349 | 350 | 351 | 352 | 353 | 353 | 355 | 355 | 355 | 355 | 356 | 356 | 356 | 357 | 357 | 357 | 357 | 357 | 359 | 359 | 359 | 360 |
| OBS:  | 4   | 0   | 3   | 0   | 1   | 2   | 3   | 6   | 6   | 5   | 1   | 4   | 1   | 0   | 8   | 0   | 4   | 6   | 0   | 6   | 1   | 0   | 0   |     |
| DPHI: | 36  | 36  | 37  | 37  | 38  | 39  | 40  | 40  | 42  | 42  | 42  | 43  | 43  | 43  | 44  | 44  | 44  | 44  | 44  | 46  | 46  | 46  | 47  |     |

|       |    |    |
|-------|----|----|
| AZ:   | 0  | 0  |
| OBS:  | 5  | 5  |
| DPHI: | 47 | 48 |

|              |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 82 10 13 6   | AZ:   | 244 | 270 | 272 | 272 | 273 | 273 | 274 | 275 | 275 | 276 | 276 | 276 | 276 | 276 | 276 | 277 | 277 | 277 | 278 | 279 | 279 | 279 | 279 |     |
| R = 20.0 KM; | OBS:  | 9   | 4   | 6   | 6   | 0   | 0   | 5   | 5   | 5   | 2   | 8   | 4   | 1   | 6   | 5   | 3   | 6   | 5   | 1   | 0   | 2   | 5   | 5   |     |
| JDGMT: 3     | DPHI: | -69 | -43 | -41 | -41 | -40 | -40 | -39 | -38 | -38 | -37 | -37 | -37 | -37 | -37 | -37 | -36 | -36 | -36 | -35 | -34 | -34 | -34 | -34 |     |
|              |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 280 | 282 | 284 | 284 | 285 | 285 | 287 | 291 | 292 | 292 | 293 | 294 | 295 | 296 | 298 | 300 | 303 | 306 | 306 | 308 | 314 | 326 | 326 |     |
|              | OBS:  | 3   | 4   | 2   | 0   | 0   | 3   | 2   | 3   | 0   | 2   | 1   | 0   | 0   | 1   | 7   | 3   | 3   | 3   | 0   | 10  | 0   | 5   | 1   |     |
|              | DPHI: | -33 | -31 | -29 | -29 | -28 | -28 | -26 | -22 | -21 | -21 | -20 | -19 | -18 | -17 | -15 | -13 | -10 | -7  | -7  | -5  | 1   | 13  | 13  |     |
|              |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 326 | 327 | 327 | 327 | 341 | 347 | 347 | 348 | 349 | 349 | 350 | 350 | 351 | 351 | 351 | 351 | 352 | 353 | 354 | 355 | 357 | 358 | 359 |     |
|              | OBS:  | 2   | 5   | 4   | 0   | 6   | 5   | 3   | 4   | 1   | 0   | 4   | 2   | 6   | 5   | 0   | 9   | 0   | 8   | 0   | 1   | 4   | 3   | 8   |     |
|              | DPHI: | 13  | 14  | 14  | 14  | 28  | 34  | 34  | 35  | 36  | 36  | 37  | 37  | 38  | 38  | 38  | 38  | 39  | 40  | 41  | 42  | 44  | 45  | 46  |     |
|              |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 13 7   | AZ:   | 1   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 0.5 KM;  | OBS:  | 7   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     | DPHI: | 46  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 13 7   | AZ:   | 248 | 263 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 10.0 KM; | OBS:  | 0   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     | DPHI: | -67 | -52 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 13 7   | AZ:   | 40  | 40  | 40  | 41  | 41  | 41  | 41  | 42  | 42  | 42  | 42  | 44  | 44  | 44  | 45  | 45  | 45  | 280 | 280 | 280 | 281 | 281 | 282 |     |
| R = 15.0 KM; | OBS:  | 355 | 355 | 355 | 356 | 356 | 356 | 357 | 357 | 357 | 357 | 357 | 359 | 359 | 359 | 360 | 0   | 0   | 0   | 0   | 8   | 0   | 7   | 5   |     |
| JDGMT: 2     | DPHI: | -59 | -43 | -43 | -42 | -41 | -40 | -39 | -38 | -38 | -37 | -37 | -37 | -37 | -37 | -37 | -37 | -37 | -35 | -35 | -35 | -35 | -34 | -34 | -33 |
|              |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 284 | 285 | 286 | 286 | 287 | 287 | 288 | 289 | 289 | 291 | 292 | 293 | 293 | 293 | 293 | 299 | 309 | 311 | 312 | 313 | 317 | 318 | 319 |     |
|              | OBS:  | 4   | 0   | 3   | 0   | 0   | 7   | 0   | 3   | 0   | 0   | 0   | 0   | 5   | 0   | 0   | 3   | 3   | 0   | 4   | 4   | 0   | 0   | 6   |     |
|              | DPHI: | -31 | -30 | -29 | -29 | -28 | -28 | -28 | -26 | -26 | -24 | -23 | -22 | -22 | -22 | -22 | -16 | -7  | -4  | -3  | -2  | 2   | 3   | 4   |     |
|              |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 320 | 320 | 321 | 321 | 323 | 324 | 324 | 325 | 325 | 326 | 327 | 328 | 328 | 328 | 328 | 328 | 328 | 329 | 329 | 329 | 329 | 329 | 329 |     |
|              | OBS:  | 9   | 5   | 1   | 0   | 4   | 8   | 9   | 0   | 9   | 0   | 3   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 6   | 8   | 0   |     |
|              | DPHI: | 5   | 5   | 6   | 6   | 8   | 9   | 9   | 10  | 10  | 11  | 12  | 13  | 13  | 13  | 13  | 13  | 13  | 14  | 14  | 14  | 14  | 14  | 14  |     |
|              |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 330 | 331 | 331 | 332 | 332 | 333 | 333 | 333 | 334 | 335 | 335 | 340 | 343 | 344 | 344 | 345 | 345 | 346 | 346 | 346 | 347 | 347 | 349 |     |
|              | OBS:  | 0   | 0   | 7   | 0   | 0   | 0   | 0   | 0   | 0   | 3   | 0   | 0   | 0   | 0   | 9   | 0   | 0   | 0   | 5   | 0   | 0   | 0   | 1   |     |
|              | DPHI: | 15  | 16  | 16  | 17  | 17  | 18  | 18  | 18  | 19  | 20  | 20  | 25  | 28  | 29  | 29  | 30  | 30  | 31  | 31  | 31  | 32  | 32  | 34  |     |
|              |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 349 | 349 | 349 | 350 | 351 | 352 | 353 | 353 | 355 | 355 | 355 | 356 | 356 | 356 | 357 | 357 | 357 | 357 | 357 | 359 | 359 | 359 | 360 |     |
|              | OBS:  | 0   | 8   | 0   | 0   | 4   | 2   | 8   | 6   | 0   | 0   | 1   | 0   | 0   | 4   | 0   | 6   | 0   | 1   | 7   | 4   | 1   | 9   | 2   |     |
|              | DPHI: | 34  | 34  | 34  | 35  | 36  | 37  | 38  | 38  | 40  | 40  | 40  | 41  | 41  | 41  | 41  | 42  | 42  | 42  | 42  | 44  | 44  | 44  | 45  |     |
|              |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 0   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 8   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 45  | 45  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 13 7   | AZ:   | 244 | 270 | 272 | 272 | 273 | 273 | 274 | 275 | 275 | 276 | 276 | 276 | 276 | 276 | 276 | 277 | 277 | 277 | 278 | 279 | 279 | 279 | 279 |     |
| R = 20.0 KM; | OBS:  | 4   | 0   | 8   | 0   | 7   | 2   | 0   | 0   | 1   | 0   | 0   | 1   | 6   | 0   | 0   | 5   | 3   | 0   | 0   | 4   | 0   | 5   | 3   |     |
| JDGMT: 2     | DPHI: | -71 | -45 | -43 | -43 | -42 | -42 | -41 | -40 | -40 | -39 | -39 | -39 | -39 | -39 | -39 | -39 | -38 | -38 | -37 | -36 | -36 | -36 | -36 |     |
|              |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 280 | 282 | 284 | 284 | 285 | 285 | 287 | 291 | 292 | 292 | 293 | 294 | 295 | 296 | 298 | 300 | 303 | 306 | 306 | 308 | 314 | 326 | 326 |     |
|              | OBS:  | 0   | 0   | 7   | 0   | 3   | 2   | 0   | 0   | 0   | 1   | 0   | 2   | 4   | 0   | 4   | 2   | 0   | 3   | 6   | 0   | 0   | 0   | 2   |     |
|              | DPHI: | -35 | -33 | -31 | -31 | -30 | -30 | -28 | -24 | -23 | -23 | -22 | -21 | -20 | -19 | -17 | -15 | -12 | -9  | -9  | -7  | -1  | 11  | 11  |     |

|       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| AZ:   | 326 | 327 | 327 | 327 | 341 | 347 | 347 | 348 | 349 | 349 | 350 | 350 | 351 | 351 | 351 | 351 | 352 | 353 | 354 | 355 | 357 | 358 | 359 |
| OBS:  | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 6   | 1   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 2   | 0   | 0   | 0   | 5   |
| DPHI: | 11  | 12  | 12  | 12  | 26  | 32  | 32  | 33  | 34  | 34  | 35  | 35  | 36  | 36  | 36  | 36  | 37  | 38  | 39  | 40  | 42  | 43  | 44  |

82 10 13 8 AZ: 1  
R = 0.5 KM; OBS: 3  
JDGMT: 0 DPHI: 47

82 10 13 8 AZ: 248  
R = 10.0 KM; OBS: 5  
JDGMT: 0 DPHI: -66

|                   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 82 10 13 8 AZ:    | 41  | 41  | 41  | 42  | 42  | 42  | 43  | 43  | 43  | 44  | 44  | 45  | 45  | 45  | 46  | 46  | 47  | 280 | 280 | 280 | 281 | 281 | 282 |
| R = 15.0 KM; OBS: | 355 | 355 | 355 | 356 | 356 | 356 | 357 | 357 | 357 | 357 | 357 | 359 | 359 | 359 | 360 | 0   | 0   | 0   | 2   | 5   | 0   | 0   | 0   |
| JDGMT: 3 DPHI:    | -58 | -42 | -42 | -41 | -40 | -39 | -38 | -37 | -37 | -36 | -36 | -36 | -36 | -36 | -36 | -36 | -34 | -34 | -34 | -34 | -33 | -33 | -32 |

|       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| AZ:   | 284 | 285 | 286 | 286 | 287 | 287 | 288 | 289 | 289 | 291 | 292 | 293 | 293 | 293 | 293 | 299 | 309 | 311 | 312 | 313 | 317 | 318 | 319 |
| OBS:  | 8   | 5   | 0   | 0   | 0   | 0   | 8   | 7   | 0   | 7   | 6   | 3   | 6   | 3   | 5   | 7   | 2   | 2   | 9   | 0   | 6   | 4   | 3   |
| DPHI: | -30 | -29 | -28 | -28 | -27 | -27 | -26 | -25 | -24 | -23 | -22 | -21 | -21 | -21 | -21 | -15 | -5  | -3  | -2  | -1  | 4   | 4   | 5   |

|       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| AZ:   | 320 | 320 | 321 | 321 | 323 | 324 | 324 | 325 | 325 | 326 | 327 | 328 | 328 | 328 | 328 | 328 | 328 | 329 | 329 | 329 | 329 | 329 | 329 |
| OBS:  | 0   | 0   | 0   | 0   | 3   | 9   | 0   | 8   | 9   | 7   | 0   | 0   | 6   | 0   | 6   | 0   | 2   | 0   | 1   | 0   | 5   | 0   | 2   |
| DPHI: | 6   | 7   | 7   | 7   | 9   | 10  | 10  | 11  | 11  | 12  | 13  | 14  | 14  | 14  | 14  | 14  | 14  | 15  | 15  | 15  | 15  | 15  | 16  |

|       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| AZ:   | 330 | 331 | 331 | 332 | 332 | 333 | 333 | 333 | 334 | 335 | 335 | 340 | 343 | 344 | 344 | 345 | 345 | 346 | 346 | 346 | 347 | 347 | 349 |
| OBS:  | 3   | 5   | 0   | 0   | 2   | 0   | 0   | 0   | 0   | 4   | 0   | 1   | 0   | 2   | 0   | 3   | 0   | 5   | 0   | 0   | 3   | 3   | 0   |
| DPHI: | 16  | 17  | 18  | 19  | 19  | 19  | 19  | 19  | 20  | 21  | 21  | 26  | 29  | 30  | 30  | 31  | 31  | 32  | 32  | 33  | 33  | 33  | 35  |

|       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| AZ:   | 349 | 349 | 349 | 350 | 351 | 352 | 353 | 353 | 355 | 355 | 355 | 356 | 356 | 356 | 357 | 357 | 357 | 357 | 357 | 359 | 359 | 359 | 360 |
| OBS:  | 0   | 2   | 0   | 0   | 0   | 0   | 6   | 0   | 1   | 2   | 0   | 0   | 0   | 0   | 1   | 9   | 0   | 0   | 1   | 0   | 0   | 1   | 0   |
| DPHI: | 35  | 35  | 36  | 36  | 38  | 38  | 39  | 39  | 41  | 41  | 41  | 42  | 42  | 42  | 43  | 43  | 43  | 44  | 44  | 45  | 45  | 45  | 46  |

|       |    |    |
|-------|----|----|
| AZ:   | 0  | 0  |
| OBS:  | 0  | 0  |
| DPHI: | 46 | 47 |

|                   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 82 10 13 8 AZ:    | 244 | 270 | 272 | 272 | 273 | 273 | 274 | 275 | 275 | 276 | 276 | 276 | 276 | 276 | 276 | 277 | 277 | 277 | 278 | 279 | 279 | 279 | 279 |
| R = 20.0 KM; OBS: | 1   | 0   | 0   | 0   | 0   | 0   | 3   | 0   | 0   | 5   | 0   | 2   | 0   | 0   | 4   | 4   | 0   | 0   | 0   | 0   | 4   | 0   | 0   |
| JDGMT: 3 DPHI:    | -70 | -44 | -42 | -42 | -41 | -41 | -40 | -39 | -39 | -38 | -38 | -38 | -38 | -38 | -38 | -37 | -37 | -37 | -36 | -35 | -35 | -35 | -35 |

|       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| AZ:   | 280 | 282 | 284 | 284 | 285 | 285 | 287 | 291 | 292 | 292 | 293 | 294 | 295 | 296 | 298 | 300 | 303 | 306 | 306 | 308 | 314 | 326 | 326 |
| OBS:  | 0   | 0   | 4   | 10  | 1   | 4   | 0   | 0   | 0   | 0   | 2   | 0   | 3   | 0   | 1   | 0   | 0   | 2   | 0   | 3   | 8   | 2   | 5   |
| DPHI: | -34 | -32 | -30 | -30 | -29 | -29 | -27 | -23 | -22 | -22 | -21 | -20 | -19 | -18 | -16 | -14 | -11 | -8  | -8  | -5  | 1   | 12  | 12  |

|       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| AZ:   | 326 | 327 | 327 | 327 | 341 | 347 | 347 | 348 | 349 | 349 | 350 | 350 | 351 | 351 | 351 | 351 | 352 | 353 | 354 | 355 | 357 | 358 | 359 |
| OBS:  | 1   | 0   | 5   | 4   | 2   | 0   | 2   | 0   | 5   | 3   | 0   | 2   | 0   | 8   | 0   | 6   | 5   | 0   | 4   | 1   | 6   | 0   | 0   |
| DPHI: | 13  | 13  | 13  | 13  | 27  | 33  | 33  | 34  | 35  | 35  | 36  | 36  | 37  | 37  | 37  | 37  | 38  | 39  | 40  | 41  | 43  | 44  | 46  |

82 10 13 9 AZ: 1  
R = 0.5 KM; OBS: 0  
JDGMT: 0 DPHI: 48

82 10 13 9 AZ: 248 263  
R = 10.0 KM; OBS: 0 0  
JDGMT: 0 DPHI: -66 -51

82 10 13 9 AZ: 41 41 42 42 42 42 43 43 44 44 44 45 45 45 46 47 47 280 280 280 281 281 282  
R = 15.0 KM; OBS: 355 355 355 356 356 356 357 357 357 357 357 359 359 359 360 0 0 2 7 0 3 5 0  
JDGMT: 2 DPHI: -58 -41 -41 -40 -39 -38 -38 -37 -37 -36 -36 -36 -36 -36 -36 -34 -34 -33 -33 -33 -33 -31

AZ: 284 285 286 286 287 287 288 289 289 291 292 293 293 293 293 299 309 311 312 313 317 318 319  
OBS: 0 0 2 5 4 0 0 0 0 6 4 8 8 0 0 9 6 4 0 7 0 4 6  
DPHI: -30 -28 -28 -27 -27 -27 -26 -25 -24 -23 -21 -21 -21 -21 -14 -5 -3 -2 -1 4 5 6

AZ: 320 320 321 321 323 324 324 325 325 326 327 328 328 328 328 328 328 329 329 329 329 329 329  
OBS: 3 3 0 2 2 0 5 2 2 2 1 0 7 7 0 2 0 1 4 7 9 2 2  
DPHI: 6 7 7 7 9 10 11 11 12 12 14 14 14 14 14 15 15 15 15 15 15 16 16

AZ: 330 331 331 332 332 333 333 333 334 335 335 340 343 344 344 345 345 346 346 346 347 347 349  
OBS: 0 9 0 4 8 0 9 5 2 9 0 6 0 0 7 0 8 2 2 3 6 4 3  
DPHI: 16 17 18 19 19 19 20 20 20 21 21 27 29 30 31 31 32 32 32 33 33 33 35

AZ: 349 349 349 350 351 352 353 353 355 355 355 356 356 356 357 357 357 357 357 359 359 359 360  
OBS: 5 0 2 2 9 3 3 1 3 1 6 3 6 0 5 5 6 3 5 2 0 4 1  
DPHI: 36 36 36 36 38 38 39 39 41 41 42 42 42 42 43 43 44 44 44 45 45 45 46

AZ: 0 0  
OBS: 0 2  
DPHI: 47 47

82 10 13 9 AZ: 244 270 272 272 273 273 274 275 275 276 276 276 276 276 276 277 277 277 278 279 279 279 279  
R = 20.0 KM; OBS: 5 4 4 0 0 1 0 8 5 0 0 2 5 3 4 1 4 2 2 6 0 1 4  
JDGMT: 2 DPHI: -70 -43 -42 -42 -41 -41 -40 -39 -39 -38 -38 -38 -37 -37 -37 -37 -37 -37 -36 -35 -35 -35 -35

AZ: 280 282 284 284 285 285 287 291 292 292 293 294 295 296 298 300 303 306 306 308 314 326 326  
OBS: 2 7 0 8 0 0 0 6 3 3 0 3 2 2 2 4 2 0 0 8 6 0 0  
DPHI: -34 -32 -30 -30 -28 -28 -27 -23 -21 -21 -20 -20 -19 -17 -15 -14 -11 -7 -7 -5 1 12 13

AZ: 326 327 327 327 341 347 347 348 349 349 350 350 351 351 351 351 352 353 354 355 357 358 359  
OBS: 0 6 9 0 3 6 3 0 0 1 6 0 3 7 1 0 0 0 0 0 0 0 0  
DPHI: 13 13 13 13 27 33 34 34 35 36 36 36 37 37 38 38 39 40 41 41 43 44 46

82 10 13 10 AZ: 1  
R = 0.5 KM; OBS: 2  
JDGMT: 0 DPHI: 45

82 10 13 10 AZ: 248 263  
R = 10.0 KM; OBS: 0 9  
JDGMT: 0 DPHI: -68 -53

82 10 13 10 AZ: 39 39 39 40 40 40 41 41 42 42 42 43 43 43 44 44 45 280 280 280 281 281 282  
R = 15.0 KM; OBS: 355 355 355 356 356 356 357 357 357 357 357 359 359 359 360 0 0 5 0 4 0 0 0  
JDGMT: 3 DPHI: -60 -44 -43 -43 -41 -40 -40 -39 -39 -38 -38 -38 -38 -38 -38 -36 -36 -36 -35 -35 -35 -33



|       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| AZ:   | 284 | 285 | 286 | 286 | 287 | 287 | 288 | 289 | 289 | 291 | 292 | 293 | 293 | 293 | 293 | 299 | 309 | 311 | 312 | 313 | 317 | 318 | 319 |
| OBS:  | 0   | 5   | 1   | 0   | 0   | 1   | 2   | 0   | 4   | 0   | 0   | 0   | 8   | 1   | 0   | 6   | 0   | 2   | 0   | 6   | 0   | 1   | 0   |
| DPHI: | -32 | -30 | -30 | -30 | -29 | -29 | -28 | -27 | -26 | -25 | -23 | -23 | -23 | -23 | -23 | -16 | -7  | -5  | -4  | -3  | 2   | 3   | 4   |
| AZ:   | 320 | 320 | 321 | 321 | 323 | 324 | 324 | 325 | 325 | 326 | 327 | 328 | 328 | 328 | 328 | 328 | 328 | 329 | 329 | 329 | 329 | 329 | 329 |
| OBS:  | 0   | 1   | 0   | 0   | 6   | 0   | 1   | 1   | 0   | 5   | 0   | 5   | 0   | 0   | 0   | 1   | 0   | 4   | 0   | 2   | 0   | 0   | 0   |
| DPHI: | 4   | 5   | 5   | 5   | 7   | 8   | 8   | 9   | 9   | 10  | 11  | 12  | 12  | 12  | 12  | 13  | 13  | 13  | 13  | 13  | 13  | 14  | 14  |
| AZ:   | 330 | 331 | 331 | 332 | 332 | 333 | 333 | 333 | 334 | 335 | 335 | 340 | 343 | 344 | 344 | 345 | 345 | 346 | 346 | 346 | 347 | 347 | 349 |
| OBS:  | 0   | 0   | 5   | 0   | 7   | 9   | 0   | 0   | 0   | 0   | 3   | 0   | 0   | 6   | 3   | 0   | 0   | 0   | 0   | 0   | 5   | 0   | 0   |
| DPHI: | 14  | 15  | 16  | 17  | 17  | 17  | 17  | 18  | 18  | 19  | 19  | 25  | 27  | 28  | 29  | 29  | 29  | 30  | 30  | 31  | 31  | 31  | 33  |
| AZ:   | 349 | 349 | 349 | 350 | 351 | 352 | 353 | 353 | 355 | 355 | 355 | 356 | 356 | 356 | 357 | 357 | 357 | 357 | 357 | 359 | 359 | 359 | 360 |
| OBS:  | 2   | 0   | 1   | 0   | 6   | 5   | 0   | 6   | 0   | 6   | 0   | 0   | 0   | 4   | 0   | 3   | 0   | 1   | 9   | 6   | 0   | 0   | 9   |
| DPHI: | 33  | 33  | 34  | 34  | 36  | 36  | 37  | 37  | 39  | 39  | 39  | 40  | 40  | 40  | 41  | 41  | 42  | 42  | 42  | 43  | 43  | 43  | 44  |
| AZ:   | 0   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| OBS:  | 0   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| DPHI: | 44  | 45  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |

|              |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 82 10 13 10  | AZ:   | 244 | 270 | 272 | 272 | 273 | 273 | 274 | 275 | 275 | 276 | 276 | 276 | 276 | 276 | 277 | 277 | 277 | 278 | 279 | 279 | 279 | 279 |
| R = 20.0 KM; | OBS:  | 0   | 0   | 4   | 2   | 3   | 9   | 4   | 0   | 0   | 9   | 2   | 0   | 3   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 4   | 7   |
| JDGMT: 2     | DPHI: | -72 | -45 | -44 | -44 | -43 | -43 | -42 | -41 | -41 | -40 | -40 | -40 | -40 | -39 | -39 | -39 | -39 | -38 | -37 | -37 | -37 | -37 |

|       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| AZ:   | 280 | 282 | 284 | 284 | 285 | 285 | 287 | 291 | 292 | 292 | 293 | 295 | 296 | 298 | 300 | 303 | 306 | 306 | 308 | 314 | 326 | 326 | 326 |
| OBS:  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 3   | 0   | 1   | 5   | 1   | 1   | 0   | 0   | 0   | 2   |
| DPHI: | -36 | -34 | -32 | -32 | -31 | -30 | -29 | -25 | -24 | -23 | -22 | -21 | -19 | -17 | -16 | -13 | -10 | -9  | -7  | -1  | 10  | 10  | 11  |
| AZ:   | 327 | 327 | 327 | 341 | 347 | 347 | 348 | 349 | 349 | 350 | 350 | 351 | 351 | 351 | 351 | 352 | 353 | 354 | 355 | 357 | 358 | 359 |     |
| OBS:  | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 6   | 0   | 5   | 9   | 0   | 1   | 5   | 0   |     |
| DPHI: | 11  | 11  | 11  | 25  | 31  | 31  | 32  | 33  | 34  | 34  | 34  | 35  | 35  | 36  | 36  | 37  | 38  | 39  | 39  | 41  | 42  | 44  |     |

|             |       |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-------------|-------|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 82 10 13 11 | AZ:   | 1  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| R = 0.5 KM; | OBS:  | 0  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| JDGMT: 0    | DPHI: | 49 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|              |       |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------|-------|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 82 10 13 11  | AZ:   | 248 | 263 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| R = 10.0 KM; | OBS:  | 3   | 2   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| JDGMT: 0     | DPHI: | -64 | -49 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|              |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 82 10 13 11  | AZ:   | 43  | 43  | 43  | 44  | 44  | 44  | 45  | 45  | 46  | 46  | 46  | 47  | 47  | 47  | 48  | 48  | 49  | 280 | 280 | 280 | 281 | 281 | 282 |
| R = 15.0 KM; | OBS:  | 355 | 355 | 355 | 356 | 356 | 356 | 357 | 357 | 357 | 357 | 357 | 359 | 359 | 359 | 360 | 0   | 0   | 0   | 0   | 4   | 0   | 0   | 2   |
| JDGMT: 3     | DPHI: | -56 | -40 | -39 | -39 | -38 | -37 | -36 | -35 | -35 | -34 | -34 | -34 | -34 | -34 | -34 | -34 | -32 | -32 | -32 | -31 | -31 | -31 | -29 |

|       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| AZ:   | 284 | 285 | 286 | 286 | 287 | 287 | 288 | 289 | 289 | 291 | 292 | 293 | 293 | 293 | 293 | 299 | 309 | 311 | 312 | 313 | 317 | 318 | 319 |
| OBS:  | 2   | 0   | 3   | 0   | 0   | 5   | 9   | 6   | 0   | 0   | 0   | 1   | 0   | 5   | 0   | 0   | 3   | 0   | 1   | 0   | 0   | 6   | 2   |
| DPHI: | -28 | -26 | -26 | -26 | -25 | -25 | -24 | -23 | -22 | -21 | -20 | -19 | -19 | -19 | -19 | -12 | -3  | -1  | 0   | 1   | 6   | 7   | 8   |

|       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| AZ:   | 320 | 320 | 321 | 321 | 323 | 324 | 324 | 325 | 325 | 326 | 327 | 328 | 328 | 328 | 328 | 328 | 328 | 329 | 329 | 329 | 329 | 329 | 329 |
| OBS:  | 1   | 0   | 8   | 0   | 6   | 1   | 6   | 0   | 0   | 0   | 0   | 6   | 0   | 6   | 4   | 0   | 3   | 2   | 2   | 0   | 12  | 1   | 0   |
| DPHI: | 8   | 9   | 9   | 9   | 11  | 12  | 12  | 13  | 13  | 14  | 15  | 16  | 16  | 16  | 16  | 17  | 17  | 17  | 17  | 17  | 17  | 18  | 18  |

|       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| AZ:   | 330 | 331 | 331 | 332 | 332 | 333 | 333 | 333 | 333 | 334 | 335 | 335 | 340 | 343 | 344 | 344 | 345 | 345 | 346 | 346 | 346 | 347 | 347 | 349 |
| OBS:  | 3   | 0   | 0   | 0   | 9   | 0   | 0   | 9   | 0   | 0   | 5   | 0   | 0   | 0   | 7   | 5   | 0   | 4   | 1   | 9   | 0   | 0   | 0   |     |
| DPHI: | 18  | 19  | 20  | 21  | 21  | 21  | 21  | 22  | 22  | 23  | 23  | 28  | 31  | 32  | 33  | 33  | 33  | 34  | 34  | 35  | 35  | 35  | 37  |     |

  

|       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| AZ:   | 349 | 349 | 349 | 350 | 351 | 352 | 353 | 353 | 355 | 355 | 355 | 356 | 356 | 356 | 357 | 357 | 357 | 357 | 357 | 359 | 359 | 359 | 360 |
| OBS:  | 0   | 1   | 0   | 1   | 2   | 0   | 0   | 7   | 0   | 9   | 2   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 9   | 4   | 2   | 3   |
| DPHI: | 37  | 37  | 38  | 38  | 40  | 40  | 41  | 41  | 43  | 43  | 43  | 44  | 44  | 44  | 45  | 45  | 46  | 46  | 46  | 47  | 47  | 47  | 48  |

  

|       |    |    |
|-------|----|----|
| AZ:   | 0  | 0  |
| OBS:  | 2  | 0  |
| DPHI: | 48 | 49 |

|              |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 82 10 13 11  | AZ:   | 244 | 270 | 272 | 272 | 273 | 273 | 274 | 275 | 275 | 276 | 276 | 276 | 276 | 276 | 277 | 277 | 277 | 278 | 279 | 279 | 279 | 279 |
| R = 20.0 KM; | OBS:  | 0   | 0   | 0   | 0   | 0   | 0   | 5   | 0   | 0   | 1   | 8   | 0   | 0   | 4   | 3   | 0   | 0   | 0   | 6   | 5   | 7   | 2   |
| JDGMT: 2     | DPHI: | -68 | -42 | -40 | -40 | -39 | -39 | -38 | -37 | -37 | -36 | -36 | -36 | -36 | -35 | -35 | -35 | -35 | -35 | -34 | -33 | -33 | -33 |

|       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| AZ:   | 280 | 282 | 284 | 284 | 285 | 285 | 287 | 291 | 292 | 292 | 293 | 294 | 295 | 296 | 298 | 300 | 303 | 306 | 306 | 308 | 314 | 326 | 326 |
| OBS:  | 1   | 0   | 7   | 0   | 5   | 1   | 5   | 7   | 3   | 0   | 6   | 5   | 4   | 0   | 0   | 6   | 8   | 8   | 4   | 4   | 6   | 1   | 1   |
| DPHI: | -32 | -30 | -28 | -28 | -27 | -27 | -25 | -21 | -20 | -20 | -18 | -18 | -17 | -16 | -13 | -12 | -9  | -6  | -5  | -3  | 3   | 14  | 14  |

|       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| AZ:   | 326 | 327 | 327 | 327 | 341 | 347 | 347 | 348 | 349 | 349 | 350 | 350 | 351 | 351 | 351 | 351 | 352 | 353 | 354 | 355 | 357 | 358 | 359 |
| OBS:  | 0   | 0   | 0   | 0   | 3   | 0   | 2   | 6   | 7   | 0   | 4   | 0   | 0   | 2   | 2   | 0   | 0   | 0   | 0   | 0   | 5   | 0   | 5   |
| DPHI: | 15  | 15  | 15  | 15  | 29  | 35  | 35  | 36  | 37  | 38  | 38  | 38  | 39  | 39  | 40  | 40  | 41  | 42  | 43  | 43  | 45  | 46  | 48  |

|             |       |    |
|-------------|-------|----|
| 82 10 13 12 | AZ:   | 1  |
| R = 0.5 KM; | OBS:  | 0  |
| JDGMT: 0    | DPHI: | 49 |

|              |       |     |     |
|--------------|-------|-----|-----|
| 82 10 13 12  | AZ:   | 248 | 263 |
| R = 10.0 KM; | OBS:  | 6   | 0   |
| JDGMT: 0     | DPHI: | -65 | -50 |

|              |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 82 10 13 12  | AZ:   | 42  | 43  | 43  | 43  | 43  | 44  | 44  | 45  | 45  | 45  | 45  | 47  | 47  | 47  | 47  | 48  | 48  | 280 | 280 | 280 | 281 | 281 | 282 |
| R = 15.0 KM; | OBS:  | 355 | 355 | 355 | 356 | 356 | 356 | 357 | 357 | 357 | 357 | 357 | 359 | 359 | 359 | 360 | 0   | 0   | 4   | 5   | 0   | 1   | 0   | 0   |
| JDGMT: 2     | DPHI: | -56 | -40 | -40 | -39 | -38 | -37 | -37 | -35 | -35 | -35 | -34 | -34 | -34 | -34 | -34 | -34 | -32 | -32 | -32 | -32 | -32 | -32 | -30 |

|       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| AZ:   | 284 | 285 | 286 | 286 | 287 | 287 | 288 | 289 | 289 | 291 | 292 | 293 | 293 | 293 | 293 | 299 | 309 | 311 | 312 | 313 | 317 | 318 | 319 |
| OBS:  | 7   | 3   | 4   | 2   | 2   | 0   | 7   | 0   | 0   | 2   | 2   | 0   | 0   | 2   | 5   | 2   | 3   | 8   | 0   | 4   | 5   | 3   | 0   |
| DPHI: | -29 | -27 | -27 | -26 | -26 | -25 | -25 | -24 | -23 | -22 | -20 | -20 | -19 | -19 | -19 | -13 | -4  | -2  | 0   | 0   | 5   | 6   | 7   |

|       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| AZ:   | 320 | 320 | 321 | 321 | 323 | 324 | 324 | 325 | 325 | 326 | 327 | 328 | 328 | 328 | 328 | 328 | 328 | 329 | 329 | 329 | 329 | 329 | 329 |
| OBS:  | 0   | 6   | 3   | 4   | 5   | 2   | 0   | 4   | 0   | 2   | 0   | 0   | 8   | 9   | 0   | 0   | 0   | 7   | 0   | 0   | 8   | 0   | 1   |
| DPHI: | 8   | 8   | 9   | 9   | 11  | 11  | 12  | 13  | 13  | 13  | 15  | 15  | 15  | 16  | 16  | 16  | 16  | 17  | 17  | 17  | 17  | 17  | 17  |

|       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| AZ:   | 330 | 331 | 331 | 332 | 332 | 333 | 333 | 333 | 334 | 335 | 335 | 340 | 343 | 344 | 344 | 345 | 345 | 346 | 346 | 346 | 347 | 347 | 349 |
| OBS:  | 1   | 2   | 0   | 2   | 7   | 1   | 4   | 3   | 3   | 2   | 6   | 2   | 2   | 0   | 0   | 0   | 0   | 2   | 0   | 0   | 6   | 5   |     |
| DPHI: | 18  | 18  | 19  | 20  | 20  | 21  | 21  | 21  | 22  | 22  | 23  | 28  | 30  | 31  | 32  | 32  | 33  | 33  | 34  | 34  | 34  | 34  | 36  |

|       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| AZ:   | 349 | 349 | 349 | 350 | 351 | 352 | 353 | 353 | 355 | 355 | 355 | 356 | 356 | 356 | 357 | 357 | 357 | 357 | 357 | 359 | 359 | 359 | 360 |
| OBS:  | 0   | 3   | 8   | 0   | 0   | 1   | 0   | 0   | 4   | 0   | 3   | 2   | 4   | 0   | 4   | 2   | 8   | 2   | 0   | 5   | 8   | 8   | 1   |
| DPHI: | 37  | 37  | 37  | 38  | 39  | 40  | 40  | 41  | 42  | 43  | 43  | 43  | 43  | 44  | 44  | 45  | 45  | 45  | 45  | 47  | 47  | 47  | 47  |

AZ: 0 0  
OBS: 8 3  
DPHI: 48 48

82 10 13 12 AZ: 244 270 272 272 273 273 274 275 275 276 276 276 276 276 276 277 277 277 278 279 279 279 279  
R = 20.0 KM; OBS: 0 3 0 0 0 0 0 8 6 0 0 0 5 0 6 0 6 5 2 4 0 0 4  
JDGMT: 3 DPHI: -69 -42 -41 -40 -39 -39 -39 -38 -38 -37 -37 -36 -36 -36 -36 -36 -35 -35 -34 -34 -34 -33

AZ: 280 282 284 284 285 285 287 291 292 292 293 294 295 296 298 300 303 306 306 308 314 326 326  
OBS: 4 5 5 0 6 7 0 3 0 4 5 0 0 4 9 6 4 9 0 0 2 1 2  
DPHI: -32 -31 -28 -28 -27 -27 -26 -22 -20 -20 -19 -18 -18 -16 -14 -12 -9 -6 -6 -4 2 13 14

AZ: 326 327 327 327 341 347 347 348 349 349 350 350 351 351 351 351 352 353 354 355 357 358 359  
OBS: 1 0 9 0 6 0 8 0 3 0 0 4 5 0 0 3 7 2 2 6 3 0  
DPHI: 14 14 14 15 28 35 35 35 37 37 37 38 38 39 39 39 40 41 42 42 45 45 47

82 10 13 13 AZ: 1  
R = 0.5 KM; OBS: 0  
JDGMT: 0 DPHI: 55

82 10 13 13 AZ: 248 263  
R = 10.0 KM; OBS: 0 4  
JDGMT: 0 DPHI: -59 -44

82 10 13 13 AZ: 49 49 49 49 49 50 50 51 51 51 52 52 52 53 54 54 280 280 280 280 281 281 282  
R = 15.0 KM; OBS: 355 355 356 356 356 357 357 357 357 357 359 359 359 360 0 0 0 2 0 0 0 6 0  
JDGMT: 3 DPHI: -51 -34 -34 -33 -32 -31 -31 -30 -29 -29 -29 -29 -29 -29 -29 -27 -27 -26 -26 -26 -26 -24

AZ: 284 285 286 286 287 287 288 289 289 291 292 293 293 293 293 299 309 311 312 313 317 318 319  
OBS: 0 2 0 0 0 0 0 2 0 0 0 0 1 0 0 1 0 3 0 2 4 5 4  
DPHI: -23 -21 -21 -20 -20 -20 -19 -18 -17 -16 -14 -14 -14 -13 -13 -7 2 4 6 6 11 12 13

AZ: 320 320 321 321 323 324 324 325 325 326 327 328 328 328 328 328 328 329 329 329 329 329 329  
OBS: 8 0 5 0 2 0 3 0 7 0 3 0 0 0 0 1 0 1 9 0 6 0 0  
DPHI: 13 14 14 14 16 17 18 19 19 19 21 21 21 21 22 22 22 22 22 23 23 23 23

AZ: 330 331 331 332 332 333 333 333 334 335 340 343 344 344 345 345 346 346 346 347 347 349 349  
OBS: 1 0 5 0 0 0 0 0 0 5 0 0 5 0 9 6 6 0 0 2 0 0 1  
DPHI: 23 24 25 26 26 26 27 27 27 28 34 36 37 38 38 39 39 39 40 40 40 42 43

AZ: 349 349 350 351 352 353 353 355 355 355 356 356 356 357 357 357 357 357 359 359 359 360 0  
OBS: 7 0 0 1 4 0 1 0 1 3 0 0 0 0 0 0 3 0 0 0 3 1 4  
DPHI: 43 43 43 45 46 46 46 48 49 49 49 49 49 50 50 51 51 51 52 52 52 53 54

AZ: 0  
OBS: 0  
DPHI: 54

82 10 13 13 AZ: 244 270 272 272 273 273 274 275 275 276 276 276 276 276 276 277 277 277 278 279 279 279 279  
R = 20.0 KM; OBS: 13 0 6 4 6 2 3 1 0 9 0 0 0 0 0 1 0 0 0 0 0 4 7  
JDGMT: 2 DPHI: -63 -36 -35 -35 -34 -34 -33 -32 -32 -31 -31 -31 -30 -30 -30 -30 -30 -29 -28 -28 -28 -27

|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
|              | AZ:   | 280  | 282  | 284 | 284 | 285 | 285 | 287 | 291 | 292 | 292 | 293 | 294 | 295 | 296 | 298 | 300 | 303 | 306 | 306 | 308 | 314 | 326 | 326 |   |
|              | OBS:  | 0    | 0    | 4   | 0   | 3   | 5   | 0   | 0   | 7   | 0   | 0   | 1   | 9   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0 |
|              | DPHI: | -27  | -25  | -23 | -22 | -21 | -21 | -20 | -16 | -14 | -14 | -13 | -12 | -12 | -10 | -8  | -7  | -4  | 0   | 0   | 2   | 8   | 19  | 20  |   |
|              | AZ:   | 326  | 327  | 327 | 327 | 341 | 347 | 347 | 348 | 349 | 349 | 350 | 350 | 351 | 351 | 351 | 351 | 352 | 353 | 354 | 355 | 357 | 358 | 359 |   |
|              | OBS:  | 0    | 0    | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 3   | 0   | 0   | 0   | 1   | 0   | 0   | 2   | 0   | 0   | 9   | 1   |   |
|              | DPHI: | 20   | 20   | 20  | 20  | 34  | 40  | 41  | 41  | 42  | 43  | 43  | 44  | 44  | 44  | 45  | 45  | 46  | 47  | 48  | 48  | 50  | 51  | 53  |   |
| 82 10 15 12  | AZ:   | 16   | 42   | 47  | 54  | 54  | 62  | 71  | 78  | 86  | 87  | 94  | 101 | 110 | 118 | 125 | 134 | 141 |     |     |     |     |     |     |   |
| R = 0.5 KM;  | OBS:  | 1    | 6    | 0   | 0   | 9   | 6   | 9   | 0   | 5   | 0   | 0   | 0   | 6   | 19  | 3   | 0   | 0   |     |     |     |     |     |     |   |
| JDGMT: 2     | DPHI: | -35  | -9   | -4  | 3   | 3   | 11  | 20  | 27  | 35  | 36  | 43  | 50  | 59  | 67  | 74  | 83  | 90  |     |     |     |     |     |     |   |
| 82 10 15 12  | AZ:   | 228  | 323  | 22  | 30  | 54  | 60  | 67  | 78  | 118 | 126 | 135 | 141 | 189 |     |     |     |     |     |     |     |     |     |     |   |
| R = 1.0 KM;  | OBS:  | 5    | 20   | 9   | 10  | 0   | 0   | 9   | 3   | 3   | 1   | 5   | 0   | 3   |     |     |     |     |     |     |     |     |     |     |   |
| JDGMT: 2     | DPHI: | -183 | -88  | -29 | -21 | 3   | 9   | 16  | 27  | 67  | 75  | 84  | 90  | 138 |     |     |     |     |     |     |     |     |     |     |   |
| 82 10 15 12  | AZ:   | 238  | 275  | 322 | 10  | 33  | 38  | 46  | 54  | 62  | 94  | 102 | 217 |     |     |     |     |     |     |     |     |     |     |     |   |
| R = 2.0 KM;  | OBS:  | 2    | 1    | 7   | 0   | 6   | 0   | 9   | 0   | 1   | 3   | 15  | 9   |     |     |     |     |     |     |     |     |     |     |     |   |
| JDGMT: 2     | DPHI: | -173 | -136 | -89 | -41 | -18 | -13 | -5  | 3   | 11  | 43  | 51  | 166 |     |     |     |     |     |     |     |     |     |     |     |   |
| 82 10 15 12  | AZ:   | 5    | 23   | 42  | 42  | 42  | 46  | 54  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 61  | 61  | 61  | 70  | 78  | 87  | 94  | 102 |   |
| R = 3.0 KM;  | OBS:  | 5    | 15   | 29  | 29  | 13  | 30  | 11  | 2   | 0   | 0   | 5   | 5   | 3   | 4   | 0   | 5   | 0   | 2   | 0   | 0   | 5   | 0   | 7   |   |
| JDGMT: 3     | DPHI: | -46  | -28  | -9  | -9  | -9  | -5  | 3   | 8   | 8   | 8   | 8   | 8   | 8   | 8   | 8   | 10  | 10  | 10  | 19  | 27  | 36  | 43  | 51  |   |
|              | AZ:   | 110  | 118  | 139 | 142 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |
|              | OBS:  | 1    | 4    | 0   | 4   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |
|              | DPHI: | 59   | 67   | 88  | 91  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |
| 82 10 15 12  | AZ:   | 0    | 7    | 14  | 30  | 53  | 54  | 55  | 56  | 57  | 58  | 59  | 60  | 61  | 62  | 63  | 64  | 65  | 66  | 68  | 75  | 76  | 77  | 78  |   |
| R = 5.0 KM;  | OBS:  | 8    | 28   | 36  | 16  | 4   | 8   | 9   | 9   | 10  | 10  | 8   | 0   | 18  | 0   | 3   | 18  | 0   | 0   | 5   | 2   | 0   | 0   | 0   |   |
| JDGMT: 2     | DPHI: | -51  | -44  | -37 | -21 | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 17  | 24  | 25  | 26  | 27  |   |
|              | AZ:   | 79   | 80   | 81  | 82  | 83  | 84  | 86  | 87  | 87  | 88  | 95  | 103 | 110 | 118 | 126 | 135 | 226 |     |     |     |     |     |     |   |
|              | OBS:  | 0    | 9    | 8   | 0   | 0   | 0   | 0   | 0   | 10  | 0   | 1   | 0   | 3   | 9   | 7   | 0   | 0   |     |     |     |     |     |     |   |
|              | DPHI: | 28   | 29   | 30  | 31  | 32  | 33  | 35  | 36  | 36  | 37  | 44  | 52  | 59  | 67  | 75  | 84  | 175 |     |     |     |     |     |     |   |
| 82 10 15 12  | AZ:   | 4    | 12   | 20  | 27  | 36  | 45  | 53  | 60  | 60  | 62  | 63  | 63  | 63  | 66  | 66  | 68  | 70  | 71  | 72  | 73  | 74  | 74  | 76  |   |
| R = 10.0 KM; | OBS:  | 6    | 10   | 11  | 16  | 70  | 203 | 17  | 0   | 8   | 0   | 0   | 0   | 9   | 3   | 0   | 0   | 8   | 2   | 12  | 0   | 7   | 9   | 4   |   |
| JDGMT: 2     | DPHI: | -47  | -39  | -31 | -24 | -15 | -6  | 2   | 9   | 9   | 11  | 12  | 12  | 12  | 15  | 15  | 17  | 19  | 20  | 21  | 22  | 23  | 23  | 25  |   |
|              | AZ:   | 77   | 78   | 79  | 86  | 94  | 103 | 110 | 117 | 126 | 136 |     |     |     |     |     |     |     |     |     |     |     |     |     |   |
|              | OBS:  | 7    | 2    | 1   | 4   | 1   | 0   | 0   | 5   | 1   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |   |
|              | DPHI: | 26   | 27   | 28  | 35  | 43  | 52  | 59  | 66  | 75  | 85  |     |     |     |     |     |     |     |     |     |     |     |     |     |   |
| 82 10 15 12  | AZ:   | 351  | 7    | 23  | 37  | 54  | 70  | 87  | 89  | 90  | 103 | 119 | 135 | 153 |     |     |     |     |     |     |     |     |     |     |   |
| R = 15.0 KM; | OBS:  | 0    | 7    | 7   | 27  | 25  | 0   | 2   | 0   | 0   | 1   | 2   | 0   | 7   |     |     |     |     |     |     |     |     |     |     |   |
| JDGMT: 3     | DPHI: | -60  | -44  | -28 | -14 | 3   | 19  | 36  | 38  | 39  | 52  | 68  | 84  | 102 |     |     |     |     |     |     |     |     |     |     |   |
| 82 10 15 13  | AZ:   | 16   | 42   | 47  | 54  | 54  | 62  | 71  | 78  | 86  | 87  | 94  | 101 | 110 | 118 | 125 | 134 | 141 |     |     |     |     |     |     |   |
| R = 0.5 KM;  | OBS:  | 6    | 0    | 6   | 6   | 3   | 0   | 9   | 6   | 0   | 4   | 10  | 0   | 5   | 9   | 3   | 1   | 9   |     |     |     |     |     |     |   |
| JDGMT: 3     | DPHI: | -32  | -7   | -2  | 5   | 6   | 13  | 22  | 30  | 37  | 38  | 45  | 52  | 61  | 69  | 76  | 85  | 92  |     |     |     |     |     |     |   |

|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |  |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|--|
| 82 10 15 13  | AZ:   | 323  | 22   | 30  | 46  | 54  | 60  | 67  | 78  | 87  | 94  | 102 | 109 | 118 | 126 | 135 | 141 | 189 | 228 |     |     |    |    |    |  |
| R = 1.0 KM;  | OBS:  | 6    | 0    | 0   | 3   | 6   | 2   | 4   | 2   | 8   | 2   | 0   | 0   | 8   | 1   | 8   | 4   | 0   | 0   |     |     |    |    |    |  |
| JDGMT: 3     | DPHI: | -85  | -27  | -19 | -3  | 5   | 11  | 18  | 29  | 38  | 45  | 53  | 60  | 69  | 77  | 86  | 93  | 141 | 180 |     |     |    |    |    |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |  |
| 82 10 15 13  | AZ:   | 238  | 275  | 322 | 358 | 6   | 10  | 33  | 38  | 46  | 54  | 62  | 70  | 94  | 102 | 110 | 117 | 126 | 134 | 142 | 217 |    |    |    |  |
| R = 2.0 KM;  | OBS:  | 18   | 9    | 0   | 12  | 0   | 9   | 62  | 79  | 73  | 34  | 7   | 1   | 5   | 2   | 9   | 4   | 9   | 3   | 0   | 4   |    |    |    |  |
| JDGMT: 3     | DPHI: | -171 | -133 | -87 | -51 | -43 | -39 | -15 | -10 | -3  | 5   | 13  | 21  | 45  | 53  | 61  | 69  | 77  | 85  | 93  | 168 |    |    |    |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |  |
| 82 10 15 13  | AZ:   | 5    | 14   | 23  | 30  | 42  | 42  | 42  | 46  | 54  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 61  | 61  | 61  | 70 | 78 | 87 |  |
| R = 3.0 KM;  | OBS:  | 10   | 9    | 0   | 107 | 150 | 161 | 152 | 138 | 9   | 22  | 15  | 38  | 2   | 22  | 15  | 39  | 26  | 6   | 0   | 9   | 0  | 2  | 5  |  |
| JDGMT: 2     | DPHI: | -44  | -35  | -26 | -19 | -6  | -6  | -6  | -2  | 5   | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 12  | 12  | 12  | 22 | 30 | 38 |  |
|              | AZ:   | 94   | 102  | 110 | 118 | 126 | 139 | 142 |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |  |
|              | OBS:  | 3    | 9    | 5   | 5   | 0   | 7   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |  |
|              | DPHI: | 46   | 53   | 62  | 69  | 78  | 90  | 93  |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |  |
| 82 10 15 13  | AZ:   | 0    | 7    | 14  | 30  | 46  | 47  | 48  | 49  | 50  | 51  | 52  | 53  | 54  | 55  | 56  | 57  | 58  | 59  | 60  | 61  | 62 | 63 | 64 |  |
| R = 5.0 KM;  | OBS:  | 7    | 6    | 0   | 90  | 183 | 85  | 152 | 156 | 136 | 108 | 106 | 62  | 62  | 42  | 59  | 61  | 76  | 56  | 61  | 26  | 15 | 6  | 9  |  |
| JDGMT: 2     | DPHI: | -49  | -42  | -35 | -19 | -3  | -2  | -1  | 0   | 1   | 2   | 3   | 4   | 6   | 7   | 8   | 9   | 9   | 11  | 12  | 12  | 14 | 14 | 16 |  |
|              | AZ:   | 65   | 66   | 67  | 68  | 69  | 70  | 71  | 72  | 73  | 74  | 75  | 76  | 77  | 78  | 79  | 80  | 81  | 82  | 83  | 84  | 86 | 87 | 87 |  |
|              | OBS:  | 0    | 7    | 0   | 0   | 0   | 0   | 0   | 2   | 0   | 0   | 9   | 0   | 4   | 4   | 6   | 8   | 0   | 5   | 0   | 3   | 0  | 4  | 1  |  |
|              | DPHI: | 17   | 18   | 18  | 20  | 21  | 22  | 22  | 24  | 25  | 25  | 26  | 27  | 28  | 30  | 31  | 32  | 33  | 33  | 34  | 35  | 37 | 38 | 38 |  |
|              | AZ:   | 88   | 95   | 103 | 110 | 118 | 126 | 135 | 226 |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |  |
|              | OBS:  | 4    | 3    | 0   | 4   | 2   | 0   | 1   | 2   |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |  |
|              | DPHI: | 39   | 46   | 54  | 61  | 69  | 77  | 87  | 177 |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |  |
| 82 10 15 13  | AZ:   | 233  | 248  | 4   | 12  | 20  | 27  | 36  | 45  | 53  | 60  | 60  | 62  | 63  | 63  | 63  | 66  | 66  | 68  | 70  | 71  | 72 | 73 | 74 |  |
| R = 10.0 KM; | OBS:  | 26   | 1    | 0   | 3   | 5   | 5   | 137 | 210 | 104 | 41  | 23  | 25  | 19  | 0   | 14  | 6   | 0   | 1   | 7   | 0   | 6  | 6  | 0  |  |
| JDGMT: 3     | DPHI: | -176 | -161 | -44 | -36 | -29 | -21 | -13 | -4  | 4   | 11  | 11  | 13  | 14  | 14  | 15  | 17  | 18  | 19  | 21  | 22  | 23 | 24 | 25 |  |
|              | AZ:   | 74   | 76   | 77  | 78  | 79  | 86  | 94  | 103 | 110 | 117 | 126 | 136 |     |     |     |     |     |     |     |     |    |    |    |  |
|              | OBS:  | 3    | 3    | 0   | 0   | 0   | 0   | 0   | 1   | 1   | 7   | 0   | 0   |     |     |     |     |     |     |     |     |    |    |    |  |
|              | DPHI: | 26   | 27   | 28  | 29  | 30  | 37  | 45  | 54  | 61  | 69  | 78  | 87  |     |     |     |     |     |     |     |     |    |    |    |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |  |
| 82 10 15 13  | AZ:   | 351  | 7    | 23  | 37  | 54  | 70  | 87  | 89  | 90  | 103 | 119 | 135 | 153 |     |     |     |     |     |     |     |    |    |    |  |
| R = 15.0 KM; | OBS:  | 4    | 8    | 7   | 88  | 46  | 3   | 9   | 2   | 5   | 7   | 8   | 8   | 0   |     |     |     |     |     |     |     |    |    |    |  |
| JDGMT: 3     | DPHI: | -58  | -42  | -26 | -11 | 6   | 21  | 38  | 41  | 41  | 54  | 70  | 86  | 104 |     |     |     |     |     |     |     |    |    |    |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |  |
| 82 10 15 14  | AZ:   | 8    | 16   | 23  | 30  | 42  | 47  | 54  | 54  | 62  | 71  | 78  | 86  | 87  | 94  | 101 | 110 | 118 | 125 | 134 | 141 |    |    |    |  |
| R = 0.5 KM;  | OBS:  | 5    | 9    | 0   | 0   | 0   | 8   | 4   | 8   | 5   | 6   | 3   | 9   | 0   | 0   | 6   | 8   | 1   | 0   | 0   | 3   |    |    |    |  |
| JDGMT: 2     | DPHI: | -41  | -33  | -26 | -19 | -7  | -2  | 5   | 5   | 13  | 22  | 29  | 37  | 38  | 45  | 52  | 61  | 69  | 76  | 85  | 92  |    |    |    |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |  |
| 82 10 15 14  | AZ:   | 323  | 14   | 22  | 30  | 38  | 46  | 54  | 60  | 67  | 78  | 87  | 94  | 102 | 109 | 118 | 126 | 135 | 141 | 189 | 228 |    |    |    |  |
| R = 1.0 KM;  | OBS:  | 4    | 16   | 2   | 5   | 9   | 0   | 18  | 8   | 0   | 0   | 0   | 0   | 5   | 6   | 1   | 1   | 0   | 0   | 0   | 0   |    |    |    |  |
| JDGMT: 3     | DPHI: | -86  | -35  | -27 | -19 | -11 | -3  | 5   | 11  | 18  | 29  | 38  | 45  | 53  | 60  | 69  | 77  | 86  | 92  | 140 | 179 |    |    |    |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |  |
| 82 10 15 14  | AZ:   | 238  | 275  | 322 | 358 | 6   | 10  | 33  | 38  | 46  | 54  | 62  | 70  | 94  | 102 | 110 | 117 | 126 | 134 | 142 | 217 |    |    |    |  |
| R = 2.0 KM;  | OBS:  | 1    | 2    | 0   | 3   | 8   | 4   | 72  | 76  | 66  | 89  | 60  | 0   | 2   | 0   | 0   | 0   | 6   | 0   | 1   | 0   |    |    |    |  |
| JDGMT: 3     | DPHI: | -171 | -134 | -87 | -51 | -43 | -39 | -16 | -11 | -3  | 5   | 13  | 21  | 45  | 53  | 61  | 68  | 77  | 85  | 93  | 168 |    |    |    |  |

|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|
| 82 10 15 14  | AZ:   | 5    | 14   | 23  | 30  | 42  | 42  | 42  | 46  | 54  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 61  | 61  | 61  | 70  | 78  | 87 |    |
| R = 3.0 KM;  | OBS:  | 7    | 6    | 8   | 105 | 187 | 248 | 224 | 231 | 109 | 60  | 43  | 31  | 40  | 34  | 40  | 37  | 44  | 84  | 49  | 60  | 7   | 3   | 0  |    |
| JDGMT: 2     | DPHI: | -44  | -35  | -26 | -19 | -7  | -7  | -7  | -3  | 5   | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 12  | 12  | 12  | 21  | 29  | 38 |    |
|              | AZ:   | 94   | 102  | 110 | 118 | 126 | 139 | 142 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|              | OBS:  | 0    | 1    | 2   | 0   | 3   | 4   | 4   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|              | DPHI: | 45   | 53   | 61  | 69  | 77  | 90  | 93  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 82 10 15 14  | AZ:   | 0    | 7    | 14  | 22  | 30  | 38  | 46  | 47  | 48  | 49  | 50  | 51  | 52  | 53  | 54  | 55  | 56  | 57  | 58  | 59  | 60  | 61  | 62 |    |
| R = 5.0 KM;  | OBS:  | 2    | 0    | 5   | 2   | 31  | 262 | 276 | 253 | 211 | 197 | 113 | 0   | 61  | 71  | 54  | 46  | 39  | 16  | 10  | 14  | 19  | 27  | 0  |    |
| JDGMT: 2     | DPHI: | -49  | -42  | -35 | -27 | -19 | -11 | -3  | -2  | -1  | 0   | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13 |    |
|              | AZ:   | 63   | 64   | 65  | 66  | 67  | 68  | 69  | 70  | 71  | 72  | 73  | 74  | 75  | 76  | 77  | 78  | 79  | 80  | 81  | 82  | 83  | 84  | 86 |    |
|              | OBS:  | 7    | 7    | 4   | 9   | 11  | 0   | 4   | 6   | 9   | 0   | 0   | 1   | 4   | 2   | 0   | 0   | 1   | 4   | 0   | 0   | 0   | 4   | 1  |    |
|              | DPHI: | 14   | 15   | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  | 31  | 32  | 33  | 34  | 35  | 37 |    |
|              | AZ:   | 87   | 87   | 88  | 95  | 103 | 110 | 118 | 126 | 135 | 226 |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|              | OBS:  | 4    | 0    | 4   | 0   | 5   | 6   | 1   | 2   | 0   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|              | DPHI: | 38   | 38   | 39  | 46  | 54  | 61  | 69  | 77  | 86  | 177 |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 82 10 15 14  | AZ:   | 233  | 248  | 4   | 12  | 20  | 27  | 36  | 45  | 53  | 60  | 60  | 62  | 63  | 63  | 63  | 66  | 66  | 68  | 70  | 71  | 72  | 73  | 74 |    |
| R = 10.0 KM; | OBS:  | 0    | 9    | 7   | 0   | 5   | 0   | 122 | 160 | 123 | 44  | 28  | 27  | 31  | 8   | 29  | 3   | 9   | 7   | 5   | 5   | 1   | 0   | 1  |    |
| JDGMT: 2     | DPHI: | -176 | -161 | -45 | -37 | -29 | -22 | -13 | -4  | 4   | 11  | 11  | 13  | 14  | 14  | 14  | 17  | 17  | 19  | 21  | 22  | 23  | 24  | 25 |    |
|              | AZ:   | 74   | 76   | 77  | 78  | 79  | 86  | 94  | 103 | 110 | 117 | 126 | 136 |     |     |     |     |     |     |     |     |     |     |    |    |
|              | OBS:  | 2    | 0    | 0   | 0   | 3   | 0   | 3   | 0   | 0   | 3   | 3   | 2   |     |     |     |     |     |     |     |     |     |     |    |    |
|              | DPHI: | 25   | 27   | 28  | 29  | 30  | 37  | 45  | 54  | 61  | 68  | 77  | 87  |     |     |     |     |     |     |     |     |     |     |    |    |
| 82 10 15 14  | AZ:   | 351  | 7    | 23  | 37  | 54  | 70  | 87  | 89  | 90  | 103 | 119 | 135 | 153 |     |     |     |     |     |     |     |     |     |    |    |
| R = 15.0 KM; | OBS:  | 2    | 3    | 0   | 71  | 56  | 1   | 5   | 8   | 2   | 1   | 9   | 1   | 3   |     |     |     |     |     |     |     |     |     |    |    |
| JDGMT: 2     | DPHI: | -58  | -42  | -26 | -12 | 5   | 21  | 38  | 40  | 41  | 54  | 70  | 86  | 104 |     |     |     |     |     |     |     |     |     |    |    |
| 82 10 15 15  | AZ:   | 8    | 16   | 23  | 30  | 42  | 47  | 54  | 54  | 62  | 71  | 78  | 86  | 87  | 94  | 101 | 110 | 118 | 125 | 134 | 141 |     |     |    |    |
| R = 0.5 KM;  | OBS:  | 6    | 3    | 0   | 0   | 0   | 7   | 0   | 1   | 0   | 1   | 0   | 6   | 0   | 0   | 8   | 6   | 6   | 2   | 0   | 0   |     |     |    |    |
| JDGMT: 3     | DPHI: | -42  | -33  | -27 | -19 | -8  | -3  | 4   | 5   | 12  | 22  | 29  | 37  | 38  | 44  | 51  | 60  | 68  | 75  | 84  | 92  |     |     |    |    |
| 82 10 15 15  | AZ:   | 323  | 358  | 6   | 14  | 22  | 30  | 38  | 46  | 54  | 60  | 67  | 78  | 87  | 94  | 102 | 109 | 118 | 126 | 135 | 141 | 189 | 228 |    |    |
| R = 1.0 KM;  | OBS:  | 0    | 1    | 4   | 1   | 15  | 5   | 9   | 0   | 3   | 6   | 0   | 8   | 6   | 0   | 3   | 2   | 2   | 0   | 10  | 9   | 9   | 7   |    |    |
| JDGMT: 2     | DPHI: | -86  | -52  | -43 | -35 | -27 | -19 | -11 | -4  | 4   | 10  | 18  | 28  | 37  | 44  | 52  | 60  | 68  | 76  | 85  | 92  | 140 | 179 |    |    |
| 82 10 15 15  | AZ:   | 238  | 275  | 322 | 358 | 6   | 10  | 33  | 38  | 46  | 54  | 62  | 70  | 94  | 102 | 110 | 117 | 126 | 134 | 142 | 217 |     |     |    |    |
| R = 2.0 KM;  | OBS:  | 2    | 15   | 9   | 0   | 5   | 5   | 154 | 140 | 19  | 22  | 0   | 4   | 6   | 3   | 0   | 8   | 3   | 0   | 6   | 0   |     |     |    |    |
| JDGMT: 3     | DPHI: | -172 | -134 | -88 | -51 | -44 | -40 | -16 | -11 | -4  | 5   | 12  | 21  | 45  | 52  | 60  | 68  | 76  | 84  | 92  | 167 |     |     |    |    |
| 82 10 15 15  | AZ:   | 357  | 5    | 14  | 23  | 30  | 42  | 42  | 42  | 46  | 54  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 61  | 61  | 61  | 70 | 78 |
| R = 3.0 KM;  | OBS:  | 4    | 2    | 1   | 3   | 85  | 101 | 109 | 96  | 109 | 10  | 17  | 16  | 6   | 9   | 12  | 29  | 8   | 0   | 0   | 1   | 2   | 3   | 1  |    |
| JDGMT: 2     | DPHI: | -53  | -45  | -35 | -27 | -20 | -7  | -7  | -7  | -3  | 5   | 9   | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 11  | 11  | 11  | 21 | 29 |
|              | AZ:   | 87   | 94   | 102 | 110 | 118 | 126 | 139 | 142 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|              | OBS:  | 0    | 7    | 0   | 6   | 2   | 1   | 8   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|              | DPHI: | 37   | 45   | 53  | 61  | 68  | 77  | 89  | 93  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |

|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| 82 10 15 15  | AZ:   | 0    | 7    | 14  | 22  | 30  | 38  | 46  | 47  | 48  | 49  | 50  | 51  | 52  | 53  | 54  | 55  | 56  | 57  | 58  | 59  | 60  | 61  | 62 |
| R = 5.0 KM;  | OBS:  | 0    | 10   | 7   | 0   | 27  | 155 | 168 | 177 | 143 | 145 | 131 | 108 | 106 | 103 | 74  | 75  | 62  | 37  | 36  | 0   | 0   | 2   | 0  |
| JDGMT: 2     | DPHI: | -49  | -42  | -36 | -28 | -20 | -11 | -4  | -3  | -2  | -1  | 0   | 1   | 2   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 11  | 13 |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|              | AZ:   | 63   | 64   | 65  | 66  | 67  | 68  | 69  | 70  | 71  | 72  | 73  | 74  | 75  | 76  | 77  | 78  | 79  | 80  | 81  | 82  | 83  | 84  | 86 |
|              | OBS:  | 9    | 0    | 0   | 0   | 2   | 9   | 3   | 3   | 5   | 6   | 0   | 0   | 0   | 9   | 4   | 2   | 4   | 3   | 0   | 10  | 4   | 0   | 0  |
|              | DPHI: | 14   | 15   | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  | 31  | 32  | 33  | 33  | 35  | 36 |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|              | AZ:   | 87   | 87   | 88  | 95  | 103 | 110 | 118 | 126 | 135 | 226 |     |     |     |     |     |     |     |     |     |     |     |     |    |
|              | OBS:  | 0    | 0    | 0   | 0   | 6   | 0   | 0   | 8   | 5   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |    |
|              | DPHI: | 37   | 38   | 38  | 45  | 53  | 60  | 68  | 77  | 86  | 177 |     |     |     |     |     |     |     |     |     |     |     |     |    |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 82 10 15 15  | AZ:   | 233  | 248  | 4   | 12  | 20  | 27  | 36  | 45  | 53  | 60  | 60  | 62  | 63  | 63  | 63  | 66  | 66  | 68  | 70  | 71  | 72  | 73  | 74 |
| R = 10.0 KM; | OBS:  | 6    | 3    | 6   | 0   | 0   | 7   | 152 | 139 | 69  | 47  | 40  | 51  | 21  | 0   | 9   | 10  | 2   | 0   | 0   | 5   | 2   | 0   | 2  |
| JDGMT: 2     | DPHI: | -176 | -162 | -45 | -37 | -29 | -22 | -13 | -4  | 3   | 10  | 11  | 12  | 13  | 14  | 14  | 16  | 17  | 19  | 20  | 21  | 22  | 23  | 24 |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|              | AZ:   | 74   | 76   | 77  | 78  | 79  | 86  | 94  | 103 | 110 | 117 | 126 | 136 |     |     |     |     |     |     |     |     |     |     |    |
|              | OBS:  | 0    | 1    | 7   | 3   | 5   | 8   | 8   | 0   | 1   | 0   | 5   | 0   |     |     |     |     |     |     |     |     |     |     |    |
|              | DPHI: | 25   | 26   | 27  | 28  | 29  | 36  | 45  | 53  | 60  | 68  | 77  | 87  |     |     |     |     |     |     |     |     |     |     |    |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 82 10 15 15  | AZ:   | 351  | 7    | 23  | 37  | 54  | 70  | 87  | 89  | 90  | 103 | 119 | 135 | 153 |     |     |     |     |     |     |     |     |     |    |
| R = 15.0 KM; | OBS:  | 0    | 0    | 0   | 55  | 73  | 2   | 2   | 2   | 2   | 0   | 9   | 0   | 2   |     |     |     |     |     |     |     |     |     |    |
| JDGMT: 2     | DPHI: | -59  | -43  | -26 | -12 | 5   | 20  | 37  | 40  | 40  | 53  | 69  | 85  | 103 |     |     |     |     |     |     |     |     |     |    |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 82 10 15 16  | AZ:   | 8    | 16   | 23  | 30  | 42  | 47  | 54  | 54  | 62  | 71  | 78  | 86  | 87  | 94  | 101 | 110 | 118 | 125 | 134 | 141 |     |     |    |
| R = 0.5 KM;  | OBS:  | 0    | 1    | 5   | 3   | 2   | 5   | 0   | 6   | 4   | 6   | 0   | 6   | 2   | 5   | 7   | 4   | 3   | 2   | 7   | 5   |     |     |    |
| JDGMT: 3     | DPHI: | -42  | -34  | -27 | -20 | -8  | -3  | 4   | 4   | 12  | 21  | 28  | 36  | 37  | 44  | 51  | 60  | 68  | 75  | 84  | 91  |     |     |    |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 82 10 15 16  | AZ:   | 323  | 358  | 6   | 14  | 22  | 30  | 38  | 46  | 54  | 60  | 67  | 78  | 87  | 94  | 102 | 109 | 118 | 126 | 135 | 141 | 189 | 228 |    |
| R = 1.0 KM;  | OBS:  | 0    | 9    | 3   | 9   | 0   | 0   | 1   | 9   | 0   | 9   | 7   | 4   | 9   | 8   | 19  | 1   | 0   | 0   | 6   | 1   | 0   | 0   |    |
| JDGMT: 3     | DPHI: | -87  | -52  | -44 | -36 | -28 | -20 | -12 | -4  | 4   | 10  | 17  | 28  | 37  | 44  | 52  | 59  | 68  | 76  | 85  | 91  | 139 | 178 |    |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 82 10 15 16  | AZ:   | 238  | 275  | 322 | 358 | 6   | 10  | 33  | 38  | 46  | 54  | 62  | 70  | 94  | 102 | 110 | 117 | 126 | 134 | 142 | 217 |     |     |    |
| R = 2.0 KM;  | OBS:  | 2    | 8    | 0   | 0   | 8   | 2   | 52  | 34  | 2   | 13  | 3   | 4   | 5   | 0   | 4   | 4   | 5   | 9   | 6   | 1   |     |     |    |
| JDGMT: 3     | DPHI: | -172 | -135 | -88 | -52 | -44 | -40 | -17 | -12 | -4  | 4   | 12  | 20  | 44  | 52  | 59  | 67  | 76  | 84  | 92  | 167 |     |     |    |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 82 10 15 16  | AZ:   | 357  | 5    | 14  | 23  | 30  | 42  | 42  | 42  | 46  | 54  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 61  | 61  | 61  | 70  | 78 |
| R = 3.0 KM;  | OBS:  | 6    | 0    | 2   | 4   | 81  | 84  | 69  | 84  | 66  | 9   | 15  | 2   | 5   | 7   | 6   | 5   | 6   | 9   | 0   | 6   | 9   | 3   | 0  |
| JDGMT: 2     | DPHI: | -53  | -45  | -36 | -27 | -21 | -8  | -8  | -8  | -4  | 4   | 9   | 9   | 9   | 9   | 9   | 9   | 9   | 9   | 11  | 11  | 11  | 20  | 28 |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|              | AZ:   | 87   | 94   | 102 | 110 | 118 | 126 | 139 | 142 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|              | OBS:  | 5    | 4    | 4   | 0   | 2   | 0   | 3   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|              | DPHI: | 37   | 44   | 52  | 60  | 68  | 76  | 89  | 92  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 82 10 15 16  | AZ:   | 0    | 7    | 14  | 22  | 30  | 38  | 46  | 47  | 48  | 49  | 50  | 51  | 52  | 53  | 54  | 55  | 56  | 57  | 58  | 59  | 60  | 61  | 62 |
| R = 5.0 KM;  | OBS:  | 2    | 2    | 3   | 2   | 25  | 161 | 62  | 43  | 34  | 45  | 41  | 37  | 8   | 12  | 1   | 12  | 2   | 10  | 2   | 0   | 0   | 6   | 0  |
| JDGMT: 2     | DPHI: | -50  | -43  | -36 | -28 | -20 | -12 | -4  | -3  | -2  | -1  | 0   | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12 |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|              | AZ:   | 63   | 64   | 65  | 66  | 67  | 68  | 69  | 70  | 71  | 72  | 73  | 74  | 75  | 76  | 77  | 78  | 79  | 80  | 81  | 82  | 83  | 84  | 86 |
|              | OBS:  | 0    | 5    | 9   | 2   | 10  | 1   | 0   | 5   | 0   | 6   | 0   | 7   | 0   | 8   | 3   | 5   | 2   | 0   | 0   | 3   | 0   | 2   | 2  |
|              | DPHI: | 13   | 14   | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  | 31  | 32  | 33  | 34  | 36 |

|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
|              | AZ:   | 87   | 87   | 88  | 95  | 103 | 110 | 118 | 126 | 135 | 226 |     |     |     |     |     |     |     |     |     |     |     |     |    |
|              | OBS:  | 4    | 0    | 0   | 0   | 2   | 0   | 2   | 3   | 0   | 5   |     |     |     |     |     |     |     |     |     |     |     |     |    |
|              | DPHI: | 37   | 37   | 37  | 45  | 53  | 60  | 68  | 76  | 85  | 176 |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 82 10 15 16  | AZ:   | 233  | 248  | 4   | 12  | 20  | 27  | 36  | 45  | 53  | 60  | 60  | 62  | 63  | 63  | 66  | 66  | 68  | 70  | 71  | 72  | 73  | 74  |    |
| R = 10.0 KM; | OBS:  | 10   | 8    | 5   | 4   | 0   | 0   | 74  | 58  | 61  | 27  | 8   | 9   | 11  | 0   | 8   | 2   | 4   | 1   | 3   | 5   | 11  | 1   | 10 |
| JDGMT: 2     | DPHI: | -177 | -162 | -46 | -38 | -30 | -23 | -14 | -5  | 3   | 10  | 10  | 12  | 13  | 13  | 16  | 16  | 18  | 20  | 21  | 22  | 23  | 24  |    |
|              | AZ:   | 74   | 76   | 77  | 78  | 79  | 86  | 94  | 103 | 110 | 117 | 126 | 136 |     |     |     |     |     |     |     |     |     |     |    |
|              | OBS:  | 0    | 3    | 0   | 0   | 0   | 9   | 6   | 0   | 0   | 0   | 1   | 2   |     |     |     |     |     |     |     |     |     |     |    |
|              | DPHI: | 24   | 26   | 27  | 28  | 29  | 36  | 44  | 53  | 60  | 67  | 76  | 86  |     |     |     |     |     |     |     |     |     |     |    |
| 82 10 15 16  | AZ:   | 351  | 7    | 23  | 37  | 54  | 70  | 87  | 89  | 90  | 103 | 119 | 135 | 153 |     |     |     |     |     |     |     |     |     |    |
| R = 15.0 KM; | OBS:  | 5    | 5    | 0   | 41  | 60  | 0   | 8   | 0   | 5   | 0   | 0   | 8   | 5   |     |     |     |     |     |     |     |     |     |    |
| JDGMT: 3     | DPHI: | -59  | -43  | -27 | -13 | 4   | 20  | 37  | 39  | 39  | 53  | 69  | 85  | 103 |     |     |     |     |     |     |     |     |     |    |
| 82 10 15 17  | AZ:   | 8    | 16   | 23  | 30  | 42  | 47  | 54  | 54  | 62  | 71  | 78  | 86  | 87  | 94  | 101 | 110 | 118 | 125 | 134 | 141 |     |     |    |
| R = 0.5 KM;  | OBS:  | 5    | 5    | 0   | 0   | 2   | 0   | 9   | 11  | 6   | 6   | 1   | 1   | 0   | 0   | 2   | 2   | 0   | 0   | 0   | 0   | 2   |     |    |
| JDGMT: 3     | DPHI: | -53  | -44  | -38 | -30 | -19 | -14 | -7  | -6  | 1   | 11  | 18  | 26  | 27  | 33  | 40  | 49  | 57  | 64  | 73  | 81  |     |     |    |
| 82 10 15 17  | AZ:   | 323  | 358  | 6   | 14  | 22  | 30  | 38  | 46  | 54  | 60  | 67  | 78  | 87  | 94  | 102 | 109 | 118 | 126 | 135 | 141 | 189 | 228 |    |
| R = 1.0 KM;  | OBS:  | 3    | 7    | 0   | 1   | 5   | 0   | 1   | 0   | 0   | 2   | 0   | 8   | 0   | 4   | 6   | 0   | 7   | 0   | 4   | 1   | 6   | 4   |    |
| JDGMT: 3     | DPHI: | -97  | -63  | -54 | -46 | -38 | -30 | -22 | -15 | -7  | -1  | 6   | 17  | 26  | 33  | 41  | 49  | 57  | 65  | 74  | 81  | 129 | 168 |    |
| 82 10 15 17  | AZ:   | 322  | 358  | 6   | 10  | 33  | 38  | 46  | 54  | 62  | 70  | 94  | 102 | 110 | 117 | 126 | 134 | 142 | 217 | 238 |     |     |     |    |
| R = 2.0 KM;  | OBS:  | 8    | 6    | 0   | 9   | 5   | 0   | 0   | 34  | 3   | 3   | 9   | 4   | 0   | 0   | 6   | 0   | 6   | 1   | 0   |     |     |     |    |
| JDGMT: -3    | DPHI: | -99  | -63  | -55 | -51 | -27 | -22 | -15 | -7  | 1   | 10  | 34  | 41  | 49  | 57  | 65  | 73  | 81  | 156 | 177 |     |     |     |    |
| 82 10 15 17  | AZ:   | 357  | 5    | 14  | 23  | 30  | 42  | 42  | 42  | 46  | 54  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 61  | 61  | 61  | 70  | 78 |
| R = 3.0 KM;  | OBS:  | 0    | 0    | 0   | 6   | 3   | 0   | 5   | 6   | 12  | 30  | 74  | 59  | 2   | 59  | 57  | 74  | 84  | 85  | 0   | 40  | 0   | 18  | 2  |
| JDGMT: 3     | DPHI: | -64  | -56  | -46 | -38 | -31 | -18 | -18 | -18 | -14 | -6  | -2  | -2  | -2  | -2  | -2  | -2  | -2  | -1  | 0   | 0   | 0   | 10  | 18 |
|              | AZ:   | 87   | 94   | 102 | 110 | 118 | 126 | 139 | 142 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|              | OBS:  | 6    | 0    | 2   | 4   | 9   | 0   | 1   | 2   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|              | DPHI: | 26   | 34   | 42  | 50  | 57  | 66  | 78  | 82  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 82 10 15 17  | AZ:   | 0    | 7    | 14  | 22  | 30  | 38  | 46  | 47  | 48  | 49  | 50  | 51  | 52  | 53  | 54  | 55  | 56  | 57  | 58  | 59  | 60  | 61  | 62 |
| R = 5.0 KM;  | OBS:  | 0    | 0    | 0   | 5   | 1   | 8   | 9   | 25  | 32  | 22  | 31  | 45  | 26  | 44  | 39  | 58  | 52  | 72  | 73  | 59  | 42  | 56  | 32 |
| JDGMT: 3     | DPHI: | -60  | -53  | -47 | -39 | -31 | -22 | -15 | -14 | -13 | -12 | -11 | -10 | -9  | -8  | -6  | -5  | -4  | -3  | -2  | -1  | 0   | 0   | 2  |
|              | AZ:   | 63   | 64   | 65  | 66  | 67  | 68  | 69  | 70  | 71  | 72  | 73  | 74  | 75  | 76  | 77  | 78  | 79  | 80  | 81  | 82  | 83  | 84  | 86 |
|              | OBS:  | 43   | 46   | 46  | 23  | 16  | 10  | 0   | 1   | 7   | 12  | 4   | 3   | 8   | 0   | 6   | 5   | 0   | 6   | 0   | 0   | 7   | 0   | 0  |
|              | DPHI: | 3    | 4    | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 22  | 24  | 25 |
|              | AZ:   | 87   | 87   | 88  | 95  | 103 | 110 | 118 | 126 | 135 | 226 |     |     |     |     |     |     |     |     |     |     |     |     |    |
|              | OBS:  | 5    | 2    | 9   | 2   | 6   | 3   | 8   | 0   | 2   | 2   |     |     |     |     |     |     |     |     |     |     |     |     |    |
|              | DPHI: | 26   | 27   | 27  | 34  | 42  | 49  | 57  | 66  | 75  | 166 |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 82 10 15 17  | AZ:   | 248  | 4    | 12  | 20  | 27  | 36  | 45  | 53  | 60  | 60  | 62  | 63  | 63  | 63  | 66  | 66  | 68  | 70  | 71  | 72  | 73  | 74  | 74 |
| R = 10.0 KM; | OBS:  | 9    | 2    | 0   | 2   | 1   | 14  | 16  | 54  | 29  | 28  | 20  | 15  | 14  | 5   | 8   | 0   | 3   | 4   | 4   | 10  | 7   | 9   | 4  |
| JDGMT: 2     | DPHI: | -173 | -56  | -48 | -41 | -33 | -24 | -15 | -8  | -1  | 0   | 1   | 2   | 2   | 3   | 5   | 6   | 8   | 9   | 10  | 11  | 12  | 13  | 14 |





|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 82 10 15 19  | AZ:   | 8    | 16   | 23  | 30  | 42  | 47  | 54  | 54  | 62  | 71  | 78  | 86  | 87  | 94  | 101 | 110 | 118 | 125 | 134 | 141 |     |     |     |
| R = 0.5 KM;  | OBS:  | 7    | 4    | 4   | 0   | 0   | 3   | 5   | 2   | 0   | 0   | 3   | 0   | 5   | 5   | 0   | 6   | 6   | 4   | 4   | 0   |     |     |     |
| JDGMT: 2     | DPHI: | -66  | -57  | -51 | -43 | -32 | -27 | -20 | -19 | -12 | -3  | 5   | 12  | 13  | 20  | 27  | 36  | 44  | 51  | 60  | 68  |     |     |     |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 15 19  | AZ:   | 323  | 358  | 6   | 14  | 30  | 38  | 46  | 54  | 60  | 67  | 78  | 87  | 94  | 102 | 109 | 118 | 126 | 135 | 141 | 189 | 228 |     |     |
| R = 1.0 KM;  | OBS:  | 5    | 8    | 0   | 4   | 0   | 0   | 4   | 5   | 2   | 3   | 4   | 2   | 0   | 0   | 1   | 4   | 0   | 1   | 6   | 2   | 2   |     |     |
| JDGMT: 2     | DPHI: | -110 | -76  | -67 | -59 | -43 | -35 | -28 | -20 | -14 | -7  | 4   | 13  | 20  | 28  | 35  | 44  | 52  | 61  | 68  | 116 | 155 |     |     |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 15 19  | AZ:   | 275  | 322  | 358 | 6   | 10  | 33  | 38  | 46  | 54  | 62  | 70  | 94  | 102 | 110 | 117 | 126 | 134 | 142 | 217 | 238 |     |     |     |
| R = 2.0 KM;  | OBS:  | 14   | 6    | 2   | 6   | 0   | 7   | 9   | 0   | 0   | 0   | 3   | 6   | 6   | 8   | 6   | 0   | 9   | 9   | 1   | 9   |     |     |     |
| JDGMT: 2     | DPHI: | -158 | -112 | -76 | -68 | -64 | -40 | -35 | -28 | -20 | -12 | -3  | 21  | 28  | 36  | 44  | 52  | 60  | 68  | 143 | 164 |     |     |     |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 15 19  | AZ:   | 357  | 5    | 14  | 23  | 30  | 42  | 42  | 42  | 46  | 54  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 61  | 61  | 61  | 70  | 78  |
| R = 3.0 KM;  | OBS:  | 0    | 0    | 0   | 5   | 1   | 0   | 0   | 2   | 1   | 7   | 3   | 8   | 0   | 2   | 0   | 0   | 0   | 6   | 8   | 9   | 0   | 9   | 3   |
| JDGMT: 3     | DPHI: | -77  | -69  | -60 | -51 | -44 | -31 | -31 | -31 | -27 | -20 | -15 | -15 | -15 | -15 | -15 | -15 | -15 | -15 | -13 | -13 | -13 | -3  | 5   |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 87   | 94   | 102 | 110 | 118 | 126 | 139 | 142 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 0    | 5    | 4   | 5   | 0   | 0   | 4   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 13   | 21   | 28  | 37  | 44  | 53  | 65  | 68  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 15 19  | AZ:   | 0    | 7    | 14  | 22  | 30  | 38  | 46  | 47  | 48  | 49  | 50  | 51  | 52  | 53  | 54  | 55  | 56  | 57  | 58  | 59  | 60  | 61  | 62  |
| R = 5.0 KM;  | OBS:  | 3    | 4    | 0   | 5   | 0   | 0   | 0   | 0   | 0   | 0   | 5   | 0   | 6   | 1   | 0   | 0   | 6   | 7   | 6   | 4   | 0   | 1   | 6   |
| JDGMT: 3     | DPHI: | -73  | -67  | -60 | -52 | -44 | -36 | -28 | -27 | -26 | -25 | -24 | -23 | -22 | -21 | -19 | -18 | -17 | -16 | -15 | -14 | -13 | -13 | -11 |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 63   | 64   | 65  | 66  | 67  | 68  | 69  | 70  | 71  | 72  | 73  | 74  | 75  | 76  | 77  | 78  | 79  | 80  | 81  | 82  | 83  | 84  | 86  |
|              | OBS:  | 1    | 0    | 0   | 2   | 16  | 2   | 0   | 9   | 0   | 14  | 0   | 9   | 9   | 0   | 7   | 7   | 0   | 7   | 0   | 4   | 0   | 0   | 4   |
|              | DPHI: | -10  | -9   | -8  | -7  | -6  | -5  | -4  | -3  | -3  | -1  | 0   | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 9   | 10  | 12  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 87   | 87   | 88  | 95  | 103 | 110 | 118 | 126 | 135 | 226 |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 4    | 3    | 7   | 1   | 0   | 7   | 0   | 0   | 5   | 7   |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 13   | 14   | 14  | 21  | 29  | 36  | 44  | 53  | 62  | 153 |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 15 19  | AZ:   | 4    | 12   | 20  | 27  | 36  | 45  | 53  | 60  | 60  | 62  | 63  | 63  | 63  | 66  | 66  | 68  | 70  | 71  | 72  | 73  | 74  | 74  | 76  |
| R = 10.0 KM; | OBS:  | 9    | 2    | 8   | 5   | 5   | 7   | 1   | 2   | 6   | 6   | 14  | 0   | 15  | 6   | 9   | 28  | 29  | 26  | 21  | 28  | 20  | 21  | 11  |
| JDGMT: 3     | DPHI: | -69  | -61  | -54 | -46 | -38 | -29 | -21 | -14 | -13 | -12 | -11 | -11 | -10 | -8  | -7  | -5  | -4  | -3  | -2  | -1  | 0   | 1   | 2   |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 77   | 78   | 79  | 86  | 94  | 103 | 110 | 117 | 126 | 136 | 233 | 248 |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 29   | 21   | 0   | 3   | 5   | 0   | 0   | 0   | 4   | 2   | 9   | 14  |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 3    | 4    | 5   | 12  | 20  | 29  | 36  | 44  | 53  | 62  | 159 | 174 |     |     |     |     |     |     |     |     |     |     |     |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 15 19  | AZ:   | 351  | 7    | 23  | 37  | 54  | 70  | 87  | 89  | 90  | 103 | 119 | 135 | 153 |     |     |     |     |     |     |     |     |     |     |
| R = 15.0 KM; | OBS:  | 2    | 8    | 8   | 7   | 2   | 28  | 7   | 13  | 5   | 0   | 3   | 0   | 1   |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 3     | DPHI: | -83  | -67  | -51 | -36 | -19 | -4  | 13  | 16  | 16  | 29  | 45  | 61  | 79  |     |     |     |     |     |     |     |     |     |     |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 15 20  | AZ:   | 8    | 16   | 23  | 30  | 42  | 47  | 54  | 54  | 62  | 71  | 78  | 86  | 87  | 94  | 101 | 110 | 118 | 125 | 134 | 141 |     |     |     |
| R = 0.5 KM;  | OBS:  | 2    | 0    | 0   | 2   | 0   | 8   | 3   | 9   | 0   | 0   | 7   | 6   | 0   | 3   | 2   | 0   | 20  | 0   | 5   | 6   |     |     |     |
| JDGMT: 2     | DPHI: | -74  | -66  | -59 | -52 | -40 | -35 | -28 | -28 | -20 | -11 | -4  | 4   | 5   | 12  | 19  | 28  | 36  | 43  | 52  | 59  |     |     |     |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 15 20  | AZ:   | 323  | 358  | 6   | 14  | 30  | 38  | 46  | 54  | 60  | 67  | 78  | 87  | 94  | 102 | 109 | 118 | 126 | 135 | 141 | 189 | 228 |     |     |
| R = 1.0 KM;  | OBS:  | 3    | 4    | 5   | 0   | 5   | 6   | 7   | 3   | 6   | 0   | 9   | 5   | 9   | 4   | 8   | 0   | 9   | 6   | 2   | 9   | 2   |     |     |
| JDGMT: 3     | DPHI: | -119 | -84  | -76 | -68 | -52 | -44 | -36 | -28 | -22 | -15 | -4  | 5   | 12  | 20  | 27  | 36  | 44  | 53  | 60  | 107 | 146 |     |     |

|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 82 10 15 20  | AZ:   | 275  | 322  | 358 | 6   | 10  | 33  | 38  | 46  | 54  | 62  | 70  | 94  | 102 | 110 | 117 | 126 | 134 | 142 | 217 | 238 |     |     |     |
| R = 2.0 KM;  | OBS:  | 10   | 6    | 2   | 0   | 5   | 2   | 7   | 9   | 6   | 6   | 3   | 4   | 3   | 0   | 0   | 3   | 2   | 0   | 4   | 2   |     |     |     |
| JDGMT: 2     | DPHI: | -166 | -120 | -84 | -76 | -72 | -48 | -44 | -36 | -28 | -20 | -12 | 12  | 20  | 28  | 36  | 44  | 52  | 60  | 135 | 156 |     |     |     |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 15 20  | AZ:   | 357  | 5    | 14  | 23  | 30  | 42  | 42  | 42  | 46  | 54  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 59  | 61  | 61  | 61  | 70  | 78  |
| R = 3.0 KM;  | OBS:  | 2    | 2    | 0   | 3   | 3   | 8   | 4   | 8   | 0   | 0   | 2   | 0   | 5   | 0   | 3   | 3   | 9   | 3   | 0   | 0   | 8   | 2   | 4   |
| JDGMT: 3     | DPHI: | -85  | -77  | -68 | -59 | -52 | -40 | -40 | -40 | -36 | -28 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -21 | -21 | -21 | -12 | -4  |
|              | AZ:   | 87   | 94   | 102 | 110 | 118 | 126 | 139 | 142 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 5    | 0    | 4   | 2   | 0   | 6   | 2   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 5    | 12   | 20  | 28  | 36  | 44  | 57  | 60  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 15 20  | AZ:   | 0    | 7    | 14  | 22  | 30  | 38  | 46  | 47  | 48  | 49  | 50  | 51  | 52  | 53  | 54  | 55  | 56  | 57  | 58  | 59  | 60  | 61  | 62  |
| R = 5.0 KM;  | OBS:  | 3    | 0    | 3   | 9   | 0   | 0   | 0   | 0   | 0   | 2   | 5   | 1   | 0   | 9   | 0   | 0   | 0   | 0   | 0   | 3   | 0   | 0   | 0   |
| JDGMT: 3     | DPHI: | -82  | -75  | -68 | -60 | -52 | -44 | -36 | -35 | -34 | -33 | -32 | -31 | -30 | -29 | -27 | -26 | -26 | -25 | -24 | -23 | -22 | -21 | -20 |
|              | AZ:   | 63   | 64   | 65  | 66  | 67  | 68  | 69  | 70  | 71  | 72  | 73  | 74  | 75  | 76  | 77  | 78  | 79  | 80  | 81  | 82  | 83  | 84  | 86  |
|              | OBS:  | 0    | 8    | 3   | 9   | 13  | 0   | 0   | 4   | 0   | 0   | 0   | 1   | 1   | 5   | 0   | 0   | 4   | 9   | 0   | 0   | 5   | 6   | 2   |
|              | DPHI: | -19  | -18  | -17 | -16 | -15 | -14 | -13 | -12 | -11 | -10 | -9  | -8  | -7  | -6  | -5  | -4  | -3  | -2  | -1  | 0   | 1   | 2   | 4   |
|              | AZ:   | 87   | 87   | 88  | 95  | 103 | 110 | 118 | 126 | 135 | 226 |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 0    | 1    | 0   | 0   | 1   | 0   | 3   | 3   | 0   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 5    | 5    | 6   | 13  | 21  | 28  | 36  | 44  | 53  | 144 |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 15 20  | AZ:   | 4    | 12   | 20  | 27  | 36  | 45  | 53  | 60  | 60  | 62  | 63  | 63  | 63  | 66  | 66  | 68  | 70  | 71  | 72  | 73  | 74  | 74  | 76  |
| R = 10.0 KM; | OBS:  | 1    | 0    | 0   | 0   | 0   | 0   | 7   | 0   | 3   | 6   | 9   | 0   | 9   | 2   | 9   | 2   | 0   | 9   | 2   | 0   | 0   | 3   | 3   |
| JDGMT: 2     | DPHI: | -78  | -70  | -62 | -55 | -46 | -37 | -29 | -22 | -22 | -20 | -19 | -19 | -19 | -16 | -15 | -14 | -12 | -11 | -10 | -9  | -8  | -8  | -6  |
|              | AZ:   | 77   | 78   | 79  | 86  | 94  | 103 | 110 | 117 | 126 | 136 | 233 | 248 |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 0    | 2    | 0   | 0   | 0   | 2   | 5   | 0   | 0   | 0   | 3   | 30  |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | -5   | -4   | -3  | 4   | 12  | 21  | 28  | 35  | 44  | 54  | 151 | 166 |     |     |     |     |     |     |     |     |     |     |     |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 15 20  | AZ:   | 351  | 7    | 23  | 37  | 54  | 70  | 87  | 89  | 90  | 103 | 119 | 135 | 153 |     |     |     |     |     |     |     |     |     |     |
| R = 15.0 KM; | OBS:  | 0    | 0    | 0   | 0   | 0   | 9   | 9   | 5   | 1   | 3   | 0   | 7   | 3   |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 2     | DPHI: | -91  | -75  | -59 | -44 | -27 | -12 | 5   | 7   | 8   | 21  | 37  | 53  | 71  |     |     |     |     |     |     |     |     |     |     |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 16 11  | AZ:   | 141  | 150  | 154 | 157 | 165 | 173 | 180 | 187 | 195 | 204 | 205 | 211 | 220 | 227 | 235 | 243 | 252 | 260 | 268 | 277 | 283 | 291 | 304 |
| R = 0.5 KM;  | OBS:  | 4    | 3    | 0   | 3   | 0   | 1   | 1   | 0   | 6   | 0   | 5   | 4   | 0   | 0   | 1   | 0   | 2   | 0   | 7   | 0   | 0   | 4   | 6   |
| JDGMT: 2     | DPHI: | -54  | -46  | -41 | -38 | -30 | -22 | -16 | -8  | 0   | 9   | 10  | 16  | 25  | 32  | 40  | 48  | 57  | 65  | 73  | 82  | 88  | 96  | 109 |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 16 11  | AZ:   | 14   | 60   | 109 | 118 | 126 | 135 | 141 | 149 | 157 | 165 | 173 | 181 | 189 | 197 | 205 | 213 | 222 | 228 | 236 | 245 | 253 | 261 | 268 |
| R = 1.0 KM;  | OBS:  | 1    | 0    | 0   | 6   | 6   | 5   | 7   | 2   | 0   | 0   | 0   | 0   | 0   | 4   | 0   | 0   | 5   | 2   | 0   | 8   | 0   | 1   | 0   |
| JDGMT: 3     | DPHI: | -181 | -135 | -86 | -78 | -69 | -61 | -54 | -46 | -38 | -31 | -23 | -14 | -6  | 2   | 10  | 18  | 27  | 33  | 41  | 50  | 58  | 65  | 73  |
|              | AZ:   | 277  | 285  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 6    | 3    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 82   | 90   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 16 11  | AZ:   | 70   | 117  | 126 | 134 | 142 | 149 | 158 | 166 | 174 | 183 | 191 | 207 | 213 | 221 | 228 | 238 | 275 | 285 | 289 | 10  |     |     |     |
| R = 2.0 KM;  | OBS:  | 0    | 1    | 0   | 4   | 0   | 0   | 5   | 0   | 30  | 26  | 0   | 4   | 5   | 7   | 4   | 12  | 4   | 5   | 10  | 0   |     |     |     |
| JDGMT: 3     | DPHI: | -125 | -78  | -69 | -61 | -53 | -46 | -37 | -29 | -21 | -12 | -4  | 12  | 18  | 26  | 33  | 43  | 80  | 90  | 94  | 175 |     |     |     |

|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 82 10 16 11  | AZ:   | 59   | 139  | 158 | 166 | 174 | 182 | 230 | 230 | 238 | 247 | 248 | 250 | 250 | 262 | 271 | 278 | 286 |     |     |     |     |     |     |
| R = 3.0 KM;  | OBS:  | 0    | 0    | 9   | 3   | 47  | 142 | 0   | 0   | 0   | 4   | 9   | 0   | 5   | 7   | 0   | 7   | 6   |     |     |     |     |     |     |
| JDGMT: 3     | DPHI: | -136 | -56  | -37 | -29 | -21 | -13 | 35  | 35  | 43  | 52  | 52  | 54  | 55  | 67  | 76  | 83  | 91  |     |     |     |     |     |     |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 16 11  | AZ:   | 151  | 158  | 166 | 174 | 182 | 190 | 199 | 206 | 210 | 210 | 214 | 221 | 230 | 246 | 246 | 247 | 247 | 248 | 248 | 248 | 249 | 249 | 249 |
| R = 5.0 KM;  | OBS:  | 7    | 8    | 0   | 35  | 114 | 107 | 24  | 1   | 0   | 3   | 0   | 0   | 0   | 6   | 0   | 2   | 10  | 0   | 4   | 6   | 0   | 0   | 4   |
| JDGMT: 2     | DPHI: | -44  | -37  | -29 | -21 | -13 | -5  | 4   | 11  | 15  | 15  | 19  | 26  | 35  | 50  | 51  | 51  | 52  | 52  | 53  | 53  | 54  | 54  | 54  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 249  | 251  | 254 | 259 | 271 | 279 | 287 | 294 | 303 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 1    | 0    | 1   | 0   | 9   | 8   | 6   | 1   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 54   | 56   | 59  | 64  | 76  | 84  | 91  | 99  | 107 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 16 11  | AZ:   | 138  | 147  | 155 | 162 | 170 | 178 | 186 | 194 | 202 | 211 | 219 | 227 | 228 | 229 | 230 | 231 | 232 | 233 | 234 | 235 | 236 | 237 | 238 |
| R = 7.0 KM;  | OBS:  | 1    | 0    | 7   | 0   | 35  | 121 | 111 | 24  | 6   | 1   | 4   | 0   | 0   | 0   | 0   | 3   | 0   | 0   | 0   | 4   | 0   | 2   | 2   |
| JDGMT: 2     | DPHI: | -57  | -48  | -40 | -33 | -25 | -17 | -9  | -1  | 7   | 16  | 24  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 40  | 41  | 42  | 43  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 239  | 240  | 241 | 242 | 243 | 244 | 245 | 245 | 245 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 267 | 274 | 280 | 291 |     |     |     |
|              | OBS:  | 4    | 3    | 1   | 0   | 5   | 7   | 2   | 4   | 5   | 5   | 3   | 3   | 0   | 3   | 0   | 6   | 0   | 0   | 7   | 0   |     |     |     |
|              | DPHI: | 44   | 45   | 46  | 47  | 48  | 49  | 50  | 50  | 50  | 50  | 51  | 52  | 53  | 54  | 55  | 56  | 72  | 79  | 85  | 95  |     |     |     |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 16 11  | AZ:   | 150  | 158  | 167 | 174 | 182 | 190 | 199 | 206 | 212 | 225 | 230 | 238 | 254 | 262 | 270 | 278 | 286 | 294 |     |     |     |     |     |
| R = 15.0 KM; | OBS:  | 0    | 0    | 18  | 41  | 118 | 56  | 5   | 0   | 0   | 3   | 7   | 6   | 0   | 0   | 0   | 0   | 6   | 5   |     |     |     |     |     |
| JDGMT: 3     | DPHI: | -45  | -37  | -28 | -21 | -13 | -5  | 4   | 11  | 17  | 30  | 35  | 43  | 59  | 67  | 75  | 83  | 91  | 99  |     |     |     |     |     |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 16 12  | AZ:   | 141  | 150  | 154 | 157 | 165 | 173 | 180 | 187 | 195 | 204 | 205 | 211 | 220 | 227 | 235 | 243 | 252 | 260 | 268 | 277 | 283 | 291 | 304 |
| R = 0.5 KM;  | OBS:  | 0    | 4    | 1   | 0   | 1   | 5   | 10  | 6   | 5   | 3   | 7   | 1   | 0   | 3   | 3   | 0   | 1   | 3   | 6   | 1   | 2   | 6   | 0   |
| JDGMT: 3     | DPHI: | -49  | -41  | -36 | -33 | -26 | -17 | -11 | -3  | 5   | 14  | 15  | 21  | 29  | 37  | 45  | 53  | 62  | 70  | 78  | 87  | 93  | 101 | 114 |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 16 12  | AZ:   | 14   | 60   | 109 | 118 | 126 | 135 | 141 | 149 | 157 | 165 | 173 | 181 | 189 | 197 | 205 | 213 | 222 | 228 | 236 | 245 | 253 | 261 | 268 |
| R = 1.0 KM;  | OBS:  | 0    | 0    | 5   | 4   | 4   | 0   | 7   | 16  | 2   | 15  | 35  | 18  | 7   | 6   | 0   | 1   | 5   | 7   | 4   | 1   | 7   | 5   | 4   |
| JDGMT: 3     | DPHI: | -176 | -130 | -81 | -73 | -64 | -56 | -49 | -41 | -33 | -26 | -18 | -9  | -1  | 6   | 15  | 22  | 32  | 38  | 46  | 55  | 63  | 70  | 78  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 277  | 285  | 323 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 0    | 5    | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 87   | 95   | 133 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 16 12  | AZ:   | 10   | 70   | 117 | 126 | 134 | 138 | 142 | 149 | 158 | 166 | 174 | 183 | 191 | 207 | 213 | 221 | 228 | 238 | 243 | 245 | 255 | 268 | 273 |
| R = 2.0 KM;  | OBS:  | 5    | 0    | 1   | 6   | 4   | 6   | 0   | 2   | 7   | 23  | 37  | 53  | 41  | 2   | 0   | 5   | 4   | 3   | 1   | 6   | 0   | 0   | 13  |
| JDGMT: 3     | DPHI: | -181 | -120 | -73 | -64 | -56 | -52 | -48 | -41 | -32 | -24 | -16 | -7  | 1   | 17  | 23  | 31  | 38  | 47  | 53  | 55  | 65  | 78  | 83  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 275  | 285  | 289 | 313 | 317 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 0    | 0    | 3   | 4   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 85   | 95   | 99  | 123 | 127 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 16 12  | AZ:   | 59   | 139  | 150 | 158 | 166 | 174 | 182 | 230 | 230 | 238 | 243 | 245 | 247 | 248 | 250 | 250 | 262 | 271 | 278 | 286 |     |     |     |
| R = 3.0 KM;  | OBS:  | 2    | 0    | 3   | 7   | 13  | 29  | 24  | 5   | 3   | 3   | 4   | 2   | 3   | 8   | 3   | 0   | 0   | 2   | 0   | 0   |     |     |     |
| JDGMT: 3     | DPHI: | -131 | -52  | -40 | -32 | -24 | -16 | -8  | 40  | 40  | 48  | 53  | 55  | 57  | 57  | 59  | 60  | 72  | 81  | 88  | 95  |     |     |     |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 16 12  | AZ:   | 126  | 151  | 158 | 166 | 174 | 182 | 190 | 199 | 206 | 210 | 210 | 214 | 221 | 230 | 246 | 246 | 247 | 247 | 248 | 248 | 248 | 249 | 249 |
| R = 5.0 KM;  | OBS:  | 0    | 8    | 0   | 21  | 52  | 52  | 57  | 67  | 37  | 0   | 0   | 9   | 0   | 0   | 4   | 2   | 8   | 1   | 5   | 0   | 5   | 2   | 0   |
| JDGMT: 3     | DPHI: | -64  | -40  | -32 | -24 | -16 | -8  | 0   | 8   | 16  | 20  | 20  | 24  | 31  | 40  | 55  | 56  | 56  | 57  | 57  | 58  | 58  | 58  | 59  |

|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|
|              | AZ:   | 249  | 249  | 251 | 254 | 259 | 271 | 279 | 287 | 294 | 303 |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              | OBS:  | 2    | 0    | 0   | 4   | 4   | 3   | 7   | 2   | 0   | 4   |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              | DPHI: | 59   | 59   | 61  | 64  | 69  | 81  | 89  | 96  | 104 | 112 |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| 82 10 16 12  | AZ:   | 130  | 138  | 147 | 155 | 162 | 170 | 178 | 186 | 194 | 202 | 211 | 219 | 227 | 228 | 229 | 230 | 231 | 232 | 233 | 234 | 235 | 236 | 237 |  |  |
| R = 7.0 KM;  | OBS:  | 0    | 8    | 0   | 13  | 42  | 89  | 130 | 121 | 42  | 25  | 1   | 0   | 3   | 0   | 0   | 7   | 0   | 4   | 3   | 0   | 3   | 4   | 5   |  |  |
| JDGMT: 2     | DPHI: | -60  | -52  | -43 | -36 | -28 | -20 | -12 | -4  | 4   | 12  | 21  | 29  | 37  | 38  | 39  | 40  | 41  | 42  | 43  | 44  | 45  | 46  | 47  |  |  |
|              | AZ:   | 238  | 239  | 240 | 241 | 242 | 243 | 244 | 245 | 245 | 245 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 267 | 274 | 280 | 291 |     |     |  |  |
|              | OBS:  | 1    | 2    | 2   | 0   | 0   | 0   | 3   | 5   | 1   | 0   | 4   | 2   | 0   | 0   | 0   | 4   | 5   | 4   | 3   | 0   | 1   |     |     |  |  |
|              | DPHI: | 48   | 49   | 50  | 51  | 52  | 53  | 54  | 55  | 55  | 55  | 55  | 56  | 57  | 58  | 59  | 60  | 61  | 77  | 84  | 90  | 100 |     |     |  |  |
| 82 10 16 12  | AZ:   | 150  | 158  | 167 | 174 | 182 | 190 | 199 | 206 | 212 | 225 | 230 | 238 | 254 | 262 | 270 | 278 | 286 | 294 |     |     |     |     |     |  |  |
| R = 15.0 KM; | OBS:  | 5    | 26   | 28  | 58  | 38  | 1   | 3   | 0   | 5   | 2   | 6   | 3   | 0   | 2   | 0   | 0   | 0   | 4   |     |     |     |     |     |  |  |
| JDGMT: 3     | DPHI: | -40  | -32  | -24 | -16 | -8  | 0   | 9   | 16  | 22  | 35  | 40  | 48  | 64  | 72  | 80  | 88  | 96  | 104 |     |     |     |     |     |  |  |
| 82 10 16 13  | AZ:   | 141  | 150  | 154 | 157 | 165 | 173 | 180 | 187 | 195 | 204 | 205 | 211 | 220 | 227 | 235 | 243 | 252 | 260 | 268 | 277 | 283 | 291 | 304 |  |  |
| R = 0.5 KM;  | OBS:  | 11   | 10   | 0   | 65  | 81  | 46  | 48  | 78  | 64  | 20  | 2   | 17  | 3   | 5   | 6   | 1   | 4   | 0   | 0   | 0   | 3   | 3   | 4   |  |  |
| JDGMT: 2     | DPHI: | -36  | -28  | -24 | -21 | -13 | -5  | 2   | 10  | 18  | 27  | 27  | 34  | 42  | 49  | 57  | 65  | 75  | 83  | 91  | 99  | 105 | 114 | 127 |  |  |
| 82 10 16 13  | AZ:   | 14   | 60   | 109 | 118 | 126 | 135 | 141 | 149 | 157 | 165 | 173 | 181 | 189 | 197 | 205 | 213 | 222 | 228 | 236 | 245 | 253 | 261 | 268 |  |  |
| R = 1.0 KM;  | OBS:  | 7    | 2    | 0   | 0   | 3   | 14  | 49  | 77  | 120 | 263 | 344 | 299 | 188 | 137 | 15  | 0   | 0   | 0   | 6   | 0   | 0   | 7   | 0   |  |  |
| JDGMT: 3     | DPHI: | -163 | -118 | -69 | -60 | -52 | -43 | -36 | -29 | -20 | -13 | -5  | 4   | 12  | 19  | 27  | 35  | 44  | 51  | 59  | 68  | 75  | 83  | 91  |  |  |
|              | AZ:   | 277  | 285  | 323 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              | OBS:  | 1    | 7    | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              | DPHI: | 99   | 107  | 146 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| 82 10 16 13  | AZ:   | 10   | 70   | 117 | 126 | 134 | 138 | 142 | 149 | 158 | 166 | 174 | 183 | 191 | 207 | 213 | 221 | 228 | 238 | 243 | 245 | 255 | 268 | 273 |  |  |
| R = 2.0 KM;  | OBS:  | 0    | 6    | 1   | 0   | 1   | 2   | 19  | 26  | 100 | 181 | 272 | 400 | 231 | 3   | 0   | 2   | 4   | 4   | 3   | 0   | 0   | 0   | 3   |  |  |
| JDGMT: 3     | DPHI: | -168 | -107 | -60 | -52 | -44 | -39 | -36 | -29 | -19 | -12 | -3  | 5   | 13  | 29  | 36  | 44  | 51  | 60  | 65  | 68  | 77  | 91  | 96  |  |  |
|              | AZ:   | 275  | 280  | 285 | 289 | 313 | 317 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              | OBS:  | 4    | 8    | 7   | 0   | 5   | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              | DPHI: | 98   | 103  | 108 | 112 | 135 | 140 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| 82 10 16 13  | AZ:   | 59   | 126  | 139 | 150 | 158 | 166 | 174 | 182 | 230 | 230 | 238 | 243 | 245 | 247 | 248 | 250 | 250 | 262 | 271 | 278 | 286 |     |     |  |  |
| R = 3.0 KM;  | OBS:  | 1    | 0    | 9   | 23  | 76  | 157 | 273 | 211 | 1   | 0   | 5   | 5   | 7   | 0   | 2   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |     |  |  |
| JDGMT: 3     | DPHI: | -119 | -51  | -39 | -27 | -20 | -11 | -4  | 5   | 53  | 53  | 61  | 65  | 68  | 70  | 70  | 72  | 73  | 85  | 93  | 101 | 108 |     |     |  |  |
| 82 10 16 13  | AZ:   | 126  | 135  | 141 | 151 | 158 | 166 | 174 | 182 | 190 | 199 | 206 | 210 | 210 | 214 | 221 | 230 | 246 | 246 | 247 | 247 | 248 | 248 | 248 |  |  |
| R = 5.0 KM;  | OBS:  | 1    | 4    | 3   | 22  | 38  | 104 | 145 | 142 | 94  | 12  | 2   | 0   | 2   | 4   | 3   | 0   | 4   | 0   | 3   | 0   | 9   | 0   | 5   |  |  |
| JDGMT: 3     | DPHI: | -51  | -42  | -36 | -27 | -20 | -11 | -3  | 5   | 12  | 21  | 29  | 32  | 32  | 36  | 44  | 52  | 68  | 69  | 69  | 70  | 70  | 70  | 71  |  |  |
|              | AZ:   | 249  | 249  | 249 | 249 | 251 | 254 | 259 | 271 | 279 | 287 | 294 | 303 |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              | OBS:  | 0    | 1    | 0   | 2   | 2   | 5   | 2   | 0   | 0   | 2   | 0   | 2   |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              | DPHI: | 71   | 71   | 72  | 72  | 74  | 76  | 81  | 93  | 101 | 109 | 116 | 125 |     |     |     |     |     |     |     |     |     |     |     |  |  |
| 82 10 16 13  | AZ:   | 130  | 138  | 147 | 155 | 162 | 170 | 178 | 186 | 194 | 202 | 211 | 219 | 227 | 228 | 229 | 230 | 231 | 232 | 233 | 234 | 235 | 236 | 237 |  |  |
| R = 7.0 KM;  | OBS:  | 2    | 5    | 18  | 32  | 80  | 105 | 99  | 73  | 38  | 0   | 0   | 4   | 0   | 0   | 6   | 0   | 1   | 0   | 0   | 1   | 2   | 0   | 5   |  |  |
| JDGMT: 3     | DPHI: | -47  | -39  | -31 | -23 | -15 | -7  | 1   | 9   | 17  | 24  | 33  | 41  | 49  | 50  | 51  | 52  | 54  | 54  | 56  | 57  | 58  | 58  | 59  |  |  |

|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|              | AZ:   | 238  | 239  | 240 | 241 | 242 | 243 | 244 | 245 | 245 | 245 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 267 | 274 | 280 | 291 |     |     |
|              | OBS:  | 4    | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 5   | 25  | 7   | 4   | 0   | 2   | 0   | 4   | 0   | 0   | 0   |     |     |
|              | DPHI: | 60   | 62   | 62  | 63  | 64  | 65  | 66  | 67  | 67  | 68  | 68  | 69  | 70  | 70  | 71  | 72  | 74  | 89  | 97  | 103 | 113 |     |     |
| 82 10 16 13  | AZ:   | 150  | 158  | 167 | 174 | 182 | 190 | 199 | 206 | 212 | 225 | 230 | 238 | 254 | 262 | 270 | 278 | 286 | 294 |     |     |     |     |     |
| R = 15.0 KM; | OBS:  | 34   | 33   | 71  | 86  | 14  | 0   | 0   | 0   | 1   | 3   | 0   | 2   | 5   | 3   | 3   | 7   | 0   | 5   |     |     |     |     |     |
| JDGMT: 3     | DPHI: | -27  | -19  | -11 | -4  | 5   | 13  | 21  | 28  | 34  | 47  | 52  | 60  | 77  | 85  | 92  | 100 | 108 | 116 |     |     |     |     |     |
| 82 10 16 14  | AZ:   | 141  | 150  | 154 | 157 | 165 | 173 | 180 | 187 | 195 | 204 | 205 | 211 | 220 | 227 | 235 | 243 | 252 | 260 | 268 | 277 | 283 | 291 | 304 |
| R = 0.5 KM;  | OBS:  | 9    | 55   | 6   | 109 | 96  | 137 | 4   | 97  | 36  | 15  | 0   | 7   | 0   | 5   | 0   | 5   | 6   | 3   | 0   | 0   | 0   | 0   | 0   |
| JDGMT: 3     | DPHI: | -24  | -15  | -11 | -8  | 0   | 8   | 15  | 22  | 30  | 39  | 40  | 46  | 55  | 62  | 70  | 78  | 87  | 95  | 103 | 112 | 118 | 126 | 139 |
| 82 10 16 14  | AZ:   | 14   | 60   | 109 | 118 | 126 | 135 | 141 | 149 | 157 | 165 | 173 | 181 | 189 | 197 | 205 | 213 | 222 | 228 | 236 | 245 | 253 | 261 | 268 |
| R = 1.0 KM;  | OBS:  | 2    | 3    | 4   | 27  | 24  | 69  | 169 | 193 | 199 | 60  | 33  | 98  | 67  | 41  | 4   | 4   | 0   | 1   | 6   | 0   | 0   | 0   | 0   |
| JDGMT: 3     | DPHI: | -151 | -105 | -56 | -47 | -39 | -30 | -24 | -16 | -8  | 0   | 8   | 16  | 24  | 32  | 40  | 48  | 57  | 63  | 71  | 80  | 88  | 96  | 103 |
|              | AZ:   | 277  | 285  | 323 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 0    | 0    | 7   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 112  | 120  | 158 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 16 14  | AZ:   | 10   | 70   | 117 | 126 | 134 | 138 | 142 | 149 | 158 | 166 | 174 | 183 | 191 | 207 | 213 | 221 | 228 | 238 | 243 | 245 | 255 | 268 | 273 |
| R = 2.0 KM;  | OBS:  | 2    | 5    | 27  | 49  | 73  | 91  | 132 | 173 | 99  | 85  | 74  | 55  | 52  | 0   | 4   | 0   | 3   | 5   | 2   | 0   | 3   | 2   | 2   |
| JDGMT: 3     | DPHI: | -155 | -95  | -48 | -39 | -31 | -27 | -23 | -16 | -7  | 1   | 9   | 18  | 26  | 42  | 48  | 56  | 63  | 73  | 78  | 80  | 90  | 103 | 108 |
|              | AZ:   | 275  | 280  | 285 | 289 | 313 | 317 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 2    | 5    | 5   | 0   | 6   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 110  | 115  | 120 | 124 | 148 | 152 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 16 14  | AZ:   | 59   | 126  | 139 | 150 | 158 | 166 | 174 | 182 | 230 | 230 | 238 | 243 | 245 | 247 | 248 | 250 | 250 | 262 | 271 | 278 | 286 |     |     |
| R = 3.0 KM;  | OBS:  | 0    | 2    | 74  | 132 | 202 | 71  | 77  | 55  | 3   | 0   | 3   | 5   | 2   | 0   | 0   | 0   | 8   | 5   | 1   | 0   | 0   |     |     |
| JDGMT: 3     | DPHI: | -106 | -39  | -26 | -15 | -7  | 1   | 9   | 18  | 65  | 65  | 73  | 78  | 80  | 82  | 83  | 85  | 85  | 97  | 106 | 113 | 121 |     |     |
| 82 10 16 14  | AZ:   | 126  | 135  | 141 | 151 | 158 | 166 | 174 | 182 | 190 | 199 | 206 | 210 | 210 | 214 | 221 | 230 | 246 | 246 | 247 | 247 | 248 | 248 | 248 |
| R = 5.0 KM;  | OBS:  | 8    | 30   | 76  | 155 | 198 | 109 | 71  | 77  | 34  | 28  | 0   | 7   | 5   | 0   | 0   | 0   | 0   | 4   | 4   | 4   | 7   | 1   | 0   |
| JDGMT: 2     | DPHI: | -39  | -30  | -24 | -14 | -7  | 1   | 9   | 17  | 25  | 34  | 41  | 45  | 45  | 49  | 56  | 65  | 81  | 81  | 82  | 82  | 83  | 83  | 83  |
|              | AZ:   | 249  | 249  | 249 | 249 | 251 | 254 | 259 | 271 | 279 | 287 | 294 | 303 |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 0    | 1    | 1   | 6   | 1   | 6   | 0   | 0   | 0   | 0   | 0   | 0   |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 84   | 84   | 84  | 85  | 86  | 89  | 94  | 106 | 114 | 122 | 129 | 138 |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 16 14  | AZ:   | 130  | 138  | 147 | 155 | 162 | 170 | 178 | 186 | 194 | 202 | 211 | 219 | 227 | 228 | 229 | 230 | 231 | 232 | 233 | 234 | 235 | 236 | 237 |
| R = 7.0 KM;  | OBS:  | 9    | 10   | 79  | 78  | 69  | 85  | 66  | 38  | 25  | 9   | 6   | 0   | 0   | 0   | 6   | 4   | 1   | 6   | 0   | 0   | 4   | 2   | 0   |
| JDGMT: 2     | DPHI: | -35  | -26  | -18 | -10 | -3  | 5   | 13  | 21  | 30  | 37  | 46  | 54  | 62  | 63  | 64  | 65  | 66  | 67  | 68  | 69  | 70  | 71  | 72  |
|              | AZ:   | 238  | 239  | 240 | 241 | 242 | 243 | 244 | 245 | 245 | 245 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 267 | 274 | 280 | 291 |     |     |
|              | OBS:  | 9    | 7    | 0   | 5   | 2   | 3   | 2   | 0   | 0   | 0   | 6   | 3   | 2   | 6   | 5   | 0   | 1   | 9   | 1   | 7   | 1   |     |     |
|              | DPHI: | 73   | 74   | 75  | 76  | 77  | 78  | 79  | 80  | 80  | 80  | 80  | 81  | 82  | 83  | 84  | 85  | 86  | 102 | 109 | 115 | 126 |     |     |
| 82 10 16 14  | AZ:   | 150  | 158  | 167 | 174 | 182 | 190 | 199 | 206 | 212 | 225 | 230 | 238 | 254 | 262 | 270 | 278 | 286 | 294 |     |     |     |     |     |
| R = 15.0 KM; | OBS:  | 31   | 51   | 68  | 19  | 7   | 6   | 0   | 6   | 5   | 5   | 12  | 0   | 6   | 0   | 2   | 0   | 7   | 2   |     |     |     |     |     |
| JDGMT: 2     | DPHI: | -15  | -7   | 2   | 9   | 17  | 25  | 34  | 41  | 47  | 60  | 65  | 73  | 89  | 97  | 105 | 113 | 121 | 129 |     |     |     |     |     |

|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 82 10 16 15  | AZ:   | 141  | 150  | 154 | 157 | 165 | 173 | 180 | 187 | 195 | 204 | 205 | 211 | 220 | 227 | 235 | 243 | 252 | 260 | 268 | 277 | 283 | 291 | 304 |
| R = 0.5 KM;  | OBS:  | 2    | 4    | 5   | 5   | 0   | 0   | 17  | 4   | 6   | 0   | 0   | 0   | 1   | 0   | 1   | 0   | 0   | 3   | 2   | 5   | 6   | 6   | 18  |
| JDGMT: 2     | DPHI: | -30  | -22  | -18 | -15 | -7  | 1   | 8   | 16  | 24  | 32  | 33  | 40  | 48  | 55  | 63  | 71  | 81  | 89  | 97  | 105 | 111 | 120 | 133 |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 16 15  | AZ:   | 14   | 60   | 109 | 118 | 126 | 135 | 141 | 149 | 157 | 165 | 173 | 181 | 189 | 197 | 205 | 213 | 222 | 228 | 236 | 245 | 253 | 261 | 268 |
| R = 1.0 KM;  | OBS:  | 7    | 0    | 40  | 34  | 29  | 14  | 21  | 30  | 16  | 6   | 0   | 3   | 0   | 7   | 2   | 3   | 0   | 1   | 0   | 1   | 5   | 0   | 6   |
| JDGMT: 2     | DPHI: | -157 | -112 | -63 | -54 | -46 | -37 | -30 | -23 | -14 | -7  | 1   | 10  | 18  | 25  | 33  | 41  | 50  | 57  | 65  | 74  | 81  | 89  | 97  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 277  | 285  | 323 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 5    | 6    | 1   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 105  | 113  | 152 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 16 15  | AZ:   | 10   | 70   | 117 | 126 | 134 | 138 | 142 | 149 | 158 | 166 | 174 | 183 | 191 | 207 | 213 | 221 | 228 | 238 | 243 | 245 | 255 | 268 | 273 |
| R = 2.0 KM;  | OBS:  | 5    | 5    | 44  | 23  | 33  | 22  | 18  | 8   | 7   | 8   | 2   | 5   | 2   | 1   | 0   | 0   | 5   | 0   | 0   | 0   | 7   | 5   | 7   |
| JDGMT: 2     | DPHI: | -162 | -101 | -54 | -46 | -38 | -33 | -30 | -23 | -13 | -6  | 3   | 11  | 19  | 35  | 42  | 49  | 57  | 66  | 71  | 74  | 83  | 97  | 101 |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 275  | 280  | 285 | 289 | 313 | 317 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 0    | 3    | 0   | 1   | 0   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 104  | 109  | 114 | 118 | 141 | 146 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 16 15  | AZ:   | 59   | 126  | 139 | 150 | 158 | 166 | 174 | 182 | 230 | 230 | 238 | 243 | 245 | 247 | 248 | 250 | 250 | 262 | 271 | 278 | 286 |     |     |
| R = 3.0 KM;  | OBS:  | 0    | 74   | 5   | 13  | 6   | 0   | 6   | 5   | 0   | 5   | 0   | 0   | 8   | 1   | 3   | 3   | 1   | 0   | 8   | 1   | 8   |     |     |
| JDGMT: 2     | DPHI: | -113 | -45  | -33 | -22 | -14 | -5  | 2   | 11  | 59  | 59  | 67  | 71  | 73  | 76  | 76  | 78  | 79  | 91  | 99  | 107 | 114 |     |     |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 16 15  | AZ:   | 126  | 135  | 141 | 151 | 158 | 166 | 174 | 182 | 190 | 199 | 206 | 210 | 210 | 214 | 221 | 230 | 246 | 246 | 247 | 247 | 248 | 248 | 248 |
| R = 5.0 KM;  | OBS:  | 15   | 42   | 48  | 43  | 21  | 17  | 29  | 6   | 3   | 3   | 0   | 0   | 4   | 5   | 9   | 0   | 3   | 0   | 4   | 0   | 5   | 7   | 0   |
| JDGMT: 2     | DPHI: | -45  | -36  | -30 | -21 | -14 | -5  | 3   | 11  | 18  | 27  | 35  | 38  | 38  | 42  | 50  | 58  | 74  | 74  | 75  | 75  | 76  | 76  | 77  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 249  | 249  | 249 | 249 | 251 | 254 | 259 | 271 | 279 | 287 | 294 | 303 |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 0    | 4    | 2   | 1   | 5   | 6   | 7   | 4   | 4   | 4   | 0   | 10  |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 77   | 77   | 78  | 78  | 80  | 82  | 87  | 99  | 107 | 115 | 122 | 131 |     |     |     |     |     |     |     |     |     |     |     |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 16 15  | AZ:   | 130  | 138  | 147 | 155 | 162 | 170 | 178 | 186 | 194 | 202 | 211 | 219 | 227 | 228 | 229 | 230 | 231 | 232 | 233 | 234 | 235 | 236 | 237 |
| R = 7.0 KM;  | OBS:  | 10   | 39   | 44  | 61  | 40  | 5   | 8   | 4   | 10  | 4   | 5   | 2   | 0   | 6   | 5   | 7   | 1   | 3   | 3   | 3   | 0   | 1   | 0   |
| JDGMT: 2     | DPHI: | -41  | -33  | -25 | -17 | -9  | -1  | 6   | 15  | 23  | 30  | 39  | 47  | 55  | 56  | 57  | 58  | 60  | 60  | 62  | 63  | 63  | 64  | 65  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 238  | 239  | 240 | 241 | 242 | 243 | 244 | 245 | 245 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 267 | 274 | 280 | 291 |     |     |     |
|              | OBS:  | 1    | 0    | 5   | 4   | 0   | 4   | 2   | 6   | 0   | 5   | 0   | 9   | 4   | 1   | 7   | 3   | 5   | 8   | 0   | 1   | 3   |     |     |
|              | DPHI: | 66   | 67   | 68  | 69  | 70  | 71  | 72  | 73  | 73  | 74  | 74  | 75  | 76  | 76  | 77  | 78  | 80  | 95  | 103 | 109 | 119 |     |     |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 16 15  | AZ:   | 150  | 158  | 167 | 174 | 182 | 190 | 199 | 206 | 212 | 225 | 230 | 238 | 254 | 262 | 270 | 278 | 286 | 294 |     |     |     |     |     |
| R = 15.0 KM; | OBS:  | 59   | 58   | 25  | 8   | 0   | 2   | 0   | 5   | 0   | 0   | 8   | 1   | 9   | 0   | 0   | 2   | 5   | 5   |     |     |     |     |     |
| JDGMT: 2     | DPHI: | -21  | -13  | -5  | 2   | 11  | 19  | 27  | 34  | 40  | 53  | 58  | 66  | 83  | 91  | 98  | 106 | 114 | 122 |     |     |     |     |     |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 16 16  | AZ:   | 141  | 150  | 154 | 157 | 165 | 173 | 180 | 187 | 195 | 204 | 205 | 211 | 220 | 227 | 235 | 243 | 252 | 260 | 268 | 277 | 283 | 291 | 304 |
| R = 0.5 KM;  | OBS:  | 0    | 6    | 0   | 5   | 8   | 9   | 7   | 0   | 1   | 4   | 0   | 0   | 3   | 0   | 1   | 3   | 4   | 0   | 0   | 0   | 0   | 4   | 2   |
| JDGMT: 3     | DPHI: | -31  | -22  | -18 | -15 | -7  | 1   | 8   | 15  | 23  | 32  | 33  | 39  | 48  | 55  | 63  | 71  | 80  | 88  | 96  | 105 | 111 | 120 | 132 |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 16 16  | AZ:   | 14   | 60   | 109 | 118 | 126 | 135 | 141 | 149 | 157 | 165 | 173 | 181 | 189 | 197 | 205 | 213 | 222 | 228 | 236 | 245 | 253 | 261 | 268 |
| R = 1.0 KM;  | OBS:  | 0    | 1    | 0   | 17  | 19  | 3   | 9   | 14  | 0   | 0   | 5   | 4   | 2   | 0   | 0   | 0   | 0   | 6   | 1   | 2   | 0   | 0   | 0   |
| JDGMT: 2     | DPHI: | -158 | -112 | -63 | -54 | -46 | -37 | -30 | -23 | -15 | -7  | 1   | 10  | 17  | 25  | 33  | 41  | 50  | 56  | 64  | 73  | 81  | 89  | 96  |

AZ: 277 285 323  
OBS: 2 3 0  
DPHI: 105 113 151

82 10 16 16 AZ: 10 70 117 126 134 138 142 149 158 166 174 183 191 207 213 221 228 238 243 245 255 268 273  
R = 2.0 KM; OBS: 0 0 30 38 15 41 29 5 5 0 2 0 0 5 0 5 0 2 2 1 0 2 5  
JDGMT: 2 DPHI: -162 -102 -54 -46 -38 -34 -30 -23 -14 -6 2 11 19 35 41 49 56 66 71 73 83 96 101

AZ: 275 280 285 289 313 317  
OBS: 2 1 0 0 2 5  
DPHI: 104 108 113 117 141 145

82 10 16 16 AZ: 59 126 139 150 158 166 174 182 230 230 238 243 245 247 248 250 250 262 271 278 286  
R = 3.0 KM; OBS: 4 30 28 27 3 0 9 1 2 0 0 0 0 0 2 0 0 0 0 6 8  
JDGMT: 2 DPHI: -113 -46 -33 -22 -14 -6 2 11 59 59 66 71 73 75 76 78 78 90 99 106 114

82 10 16 16 AZ: 126 135 141 151 158 166 174 182 190 199 206 210 210 214 221 230 246 246 247 247 248 248 248  
R = 5.0 KM; OBS: 30 48 15 0 5 0 2 1 2 5 2 0 0 0 6 4 3 1 0 3 0 4 3  
JDGMT: 2 DPHI: -46 -37 -31 -21 -14 -6 2 10 18 27 34 38 38 42 49 58 74 74 75 75 76 76 76

AZ: 249 249 249 249 251 254 259 271 279 287 294 303  
OBS: 0 0 0 0 0 0 0 0 0 2 5 4  
DPHI: 77 77 77 78 79 82 87 99 107 115 122 131

82 10 16 16 AZ: 130 138 147 155 162 170 178 186 194 202 211 219 227 228 229 230 231 232 233 234 235 237 238  
R = 7.0 KM; OBS: 31 30 18 0 0 0 1 1 0 0 0 0 6 4 0 0 4 2 0 1 1 1 0  
JDGMT: 2 DPHI: -42 -33 -25 -17 -10 -2 6 14 23 30 39 47 55 56 57 58 59 60 61 62 63 65 66

AZ: 239 240 241 242 243 244 245 245 245 245 246 247 248 249 250 251 267 274 280 291  
OBS: 1 6 0 3 5 7 0 0 0 6 1 21 0 0 2 5 3 0 0 4  
DPHI: 67 68 69 70 71 72 73 73 73 73 74 75 76 77 78 79 95 102 108 119

82 10 16 16 AZ: 150 158 167 174 182 190 199 206 212 225 230 238 254 262 270 278 286 294  
R = 15.0 KM; OBS: 33 33 0 2 1 0 0 0 2 5 0 7 0 9 2 0 11 3  
JDGMT: 2 DPHI: -21 -14 -5 2 11 18 27 34 40 53 58 66 82 91 98 106 114 122

82 10 16 17 AZ: 141 150 154 157 165 173 180 187 195 204 205 211 220 227 235 243 252 260 268 277 283 291 304  
R = 0.5 KM; OBS: 5 6 1 0 0 4 1 0 5 6 0 3 1 0 7 0 0 0 2 0 0 4 6  
JDGMT: 3 DPHI: -35 -27 -22 -19 -12 -4 3 11 19 28 29 35 43 51 59 67 76 84 92 101 106 115 128

82 10 16 17 AZ: 14 60 109 118 126 135 141 149 157 165 173 189 197 205 213 222 228 236 245 253 261 268 277  
R = 1.0 KM; OBS: 2 2 0 7 8 0 4 0 0 0 0 0 5 4 0 5 0 4 5 0 2 1 6  
JDGMT: 3 DPHI: -162 -116 -67 -59 -51 -42 -35 -27 -19 -12 -4 13 20 29 36 46 52 60 69 77 84 92 101

AZ: 285 323  
OBS: 0 4  
DPHI: 108 147

82 10 16 17 AZ: 10 70 117 126 134 138 142 149 158 166 174 183 191 207 213 221 228 238 243 245 255 268 273  
R = 2.0 KM; OBS: 7 0 10 31 24 4 0 0 4 1 4 4 0 0 3 0 4 0 2 0 0 0 1  
JDGMT: 2 DPHI: -167 -106 -59 -50 -43 -38 -34 -27 -18 -10 -2 6 15 31 37 45 52 61 66 69 79 92 97



|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
|              | AZ:   | 275  | 280  | 285 | 289 | 313 | 317 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              | OBS:  | 1    | 0    | 0   | 1   | 0   | 3   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              | DPHI: | 99   | 104  | 109 | 113 | 137 | 141 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 10 16 17  | AZ:   | 59   | 126  | 139 | 158 | 166 | 174 | 182 | 230 | 230 | 238 | 243 | 245 | 247 | 248 | 250 | 250 | 262 | 271 | 278 | 286 |     |     |     |  |
| R = 3.0 KM;  | OBS:  | 0    | 62   | 0   | 5   | 3   | 7   | 6   | 2   | 0   | 2   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |  |
| JDGMT: 2     | DPHI: | -118 | -50  | -38 | -18 | -10 | -2  | 6   | 54  | 54  | 62  | 67  | 69  | 71  | 71  | 73  | 74  | 86  | 95  | 102 | 109 |     |     |     |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 10 16 17  | AZ:   | 126  | 135  | 141 | 151 | 158 | 166 | 174 | 182 | 190 | 199 | 206 | 210 | 210 | 214 | 221 | 230 | 246 | 246 | 247 | 247 | 248 | 248 | 248 |  |
| R = 5.0 KM;  | OBS:  | 95   | 39   | 2   | 0   | 7   | 4   | 0   | 0   | 2   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 4   | 0   | 1   | 0   | 3   | 5   | 5   |  |
| JDGMT: 2     | DPHI: | -50  | -41  | -35 | -26 | -18 | -10 | -2  | 6   | 14  | 22  | 30  | 34  | 34  | 38  | 45  | 54  | 69  | 70  | 70  | 71  | 71  | 72  | 72  |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              | AZ:   | 249  | 249  | 249 | 249 | 251 | 254 | 259 | 271 | 279 | 287 | 294 | 303 |     |     |     |     |     |     |     |     |     |     |     |  |
|              | OBS:  | 0    | 4    | 0   | 6   | 0   | 2   | 1   | 6   | 0   | 8   | 0   | 0   |     |     |     |     |     |     |     |     |     |     |     |  |
|              | DPHI: | 72   | 73   | 73  | 73  | 75  | 78  | 82  | 94  | 103 | 110 | 118 | 126 |     |     |     |     |     |     |     |     |     |     |     |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 10 16 17  | AZ:   | 130  | 138  | 147 | 155 | 162 | 170 | 178 | 186 | 194 | 202 | 211 | 219 | 227 | 228 | 229 | 230 | 231 | 232 | 233 | 234 | 235 | 236 | 237 |  |
| R = 7.0 KM;  | OBS:  | 119  | 16   | 4   | 0   | 2   | 0   | 0   | 0   | 0   | 6   | 0   | 2   | 9   | 0   | 4   | 0   | 7   | 0   | 0   | 6   | 0   | 0   | 5   |  |
| JDGMT: 2     | DPHI: | -46  | -38  | -30 | -22 | -14 | -6  | 2   | 10  | 18  | 26  | 34  | 42  | 51  | 52  | 53  | 54  | 55  | 56  | 57  | 58  | 59  | 60  | 61  |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              | AZ:   | 238  | 239  | 240 | 241 | 242 | 243 | 244 | 245 | 245 | 245 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 267 | 274 | 280 | 291 |     |     |  |
|              | OBS:  | 3    | 0    | 0   | 6   | 0   | 0   | 5   | 0   | 5   | 0   | 5   | 3   | 6   | 0   | 1   | 0   | 5   | 3   | 2   | 4   | 0   |     |     |  |
|              | DPHI: | 62   | 63   | 64  | 65  | 66  | 67  | 68  | 69  | 69  | 69  | 69  | 70  | 71  | 71  | 73  | 74  | 75  | 91  | 98  | 104 | 114 |     |     |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 10 16 17  | AZ:   | 150  | 158  | 167 | 174 | 182 | 190 | 199 | 206 | 212 | 225 | 230 | 238 | 254 | 262 | 270 | 278 | 286 | 294 |     |     |     |     |     |  |
| R = 15.0 KM; | OBS:  | 52   | 20   | 0   | 0   | 4   | 0   | 6   | 225 | 0   | 0   | 0   | 3   | 1   | 0   | 5   | 0   | 7   | 4   |     |     |     |     |     |  |
| JDGMT: 3     | DPHI: | -26  | -18  | -10 | -3  | 6   | 14  | 23  | 29  | 36  | 49  | 53  | 62  | 78  | 86  | 94  | 102 | 110 | 118 |     |     |     |     |     |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 10 16 18  | AZ:   | 141  | 150  | 154 | 157 | 165 | 173 | 180 | 187 | 195 | 204 | 205 | 211 | 220 | 227 | 235 | 243 | 252 | 260 | 268 | 277 | 283 | 291 | 304 |  |
| R = 0.5 KM;  | OBS:  | 0    | 0    | 0   | 0   | 1   | 5   | 9   | 2   | 6   | 1   | 5   | 0   | 0   | 4   | 8   | 4   | 2   | 4   | 0   | 6   | 0   | 0   | 0   |  |
| JDGMT: 2     | DPHI: | -40  | -31  | -27 | -24 | -16 | -8  | -1  | 6   | 15  | 23  | 24  | 31  | 39  | 46  | 54  | 62  | 71  | 79  | 87  | 96  | 102 | 111 | 123 |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 10 16 18  | AZ:   | 14   | 60   | 109 | 118 | 126 | 135 | 141 | 149 | 157 | 165 | 173 | 189 | 197 | 205 | 213 | 222 | 228 | 236 | 245 | 253 | 261 | 268 | 277 |  |
| R = 1.0 KM;  | OBS:  | 8    | 4    | 5   | 2   | 5   | 0   | 0   | 3   | 0   | 3   | 0   | 5   | 3   | 0   | 2   | 1   | 2   | 0   | 0   | 4   | 0   | 6   | 0   |  |
| JDGMT: 2     | DPHI: | -167 | -121 | -72 | -63 | -55 | -46 | -39 | -32 | -24 | -16 | -8  | 8   | 16  | 24  | 32  | 41  | 47  | 55  | 64  | 72  | 80  | 87  | 96  |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              | AZ:   | 285  | 323  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              | OBS:  | 6    | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              | DPHI: | 104  | 143  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 10 16 18  | AZ:   | 10   | 70   | 117 | 126 | 134 | 138 | 142 | 149 | 158 | 166 | 174 | 183 | 191 | 207 | 213 | 221 | 228 | 238 | 243 | 245 | 255 | 268 | 273 |  |
| R = 2.0 KM;  | OBS:  | 4    | 5    | 5   | 2   | 21  | 9   | 7   | 6   | 0   | 2   | 7   | 5   | 0   | 4   | 4   | 6   | 0   | 4   | 3   | 5   | 0   | 0   | 6   |  |
| JDGMT: 2     | DPHI: | -171 | -111 | -63 | -55 | -47 | -43 | -39 | -32 | -23 | -15 | -7  | 2   | 10  | 26  | 32  | 40  | 47  | 57  | 62  | 64  | 74  | 87  | 92  |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              | AZ:   | 275  | 280  | 285 | 289 | 313 | 317 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              | OBS:  | 6    | 4    | 3   | 3   | 4   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              | DPHI: | 95   | 99   | 105 | 108 | 132 | 136 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 82 10 16 18  | AZ:   | 59   | 126  | 139 | 150 | 158 | 166 | 174 | 182 | 230 | 230 | 238 | 243 | 245 | 247 | 248 | 250 | 250 | 262 | 271 | 278 | 286 |     |     |  |
| R = 3.0 KM;  | OBS:  | 5    | 26   | 10  | 0   | 2   | 5   | 0   | 0   | 0   | 3   | 4   | 6   | 2   | 0   | 0   | 4   | 0   | 5   | 7   | 7   | 0   |     |     |  |
| JDGMT: 2     | DPHI: | -122 | -55  | -42 | -31 | -23 | -15 | -7  | 2   | 50  | 50  | 58  | 62  | 64  | 66  | 67  | 69  | 69  | 81  | 90  | 97  | 105 |     |     |  |

|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 82 10 16 18  | AZ:   | 126  | 135  | 141 | 151 | 158 | 166 | 174 | 182 | 190 | 199 | 206 | 210 | 210 | 214 | 230 | 246 | 246 | 247 | 247 | 248 | 248 | 248 | 249 |
| R = 5.0 KM;  | OBS:  | 42   | 49   | 19  | 6   | 0   | 2   | 0   | 0   | 0   | 5   | 6   | 3   | 0   | 0   | 0   | 2   | 2   | 0   | 2   | 0   | 0   | 4   | 3   |
| JDGMT: 2     | DPHI: | -55  | -46  | -40 | -30 | -23 | -15 | -7  | 1   | 9   | 18  | 25  | 29  | 29  | 33  | 49  | 65  | 65  | 66  | 66  | 67  | 67  | 67  | 68  |
|              | AZ:   | 249  | 249  | 249 | 251 | 254 | 259 | 271 | 279 | 287 | 294 | 303 |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 4    | 1    | 0   | 0   | 0   | 2   | 3   | 6   | 9   | 1   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 68   | 68   | 69  | 70  | 73  | 78  | 90  | 98  | 106 | 113 | 122 |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 16 18  | AZ:   | 130  | 138  | 147 | 155 | 162 | 170 | 178 | 186 | 194 | 202 | 211 | 219 | 227 | 228 | 229 | 230 | 231 | 232 | 233 | 234 | 235 | 236 | 237 |
| R = 7.0 KM;  | OBS:  | 74   | 69   | 7   | 4   | 5   | 2   | 3   | 2   | 6   | 7   | 5   | 3   | 3   | 5   | 0   | 6   | 0   | 2   | 1   | 0   | 2   | 0   | 0   |
| JDGMT: 2     | DPHI: | -50  | -42  | -34 | -26 | -19 | -11 | -3  | 5   | 14  | 21  | 30  | 38  | 46  | 47  | 48  | 49  | 50  | 51  | 52  | 53  | 54  | 55  | 56  |
|              | AZ:   | 238  | 239  | 240 | 241 | 242 | 243 | 244 | 245 | 245 | 245 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 267 | 274 | 280 | 291 |     |     |
|              | OBS:  | 1    | 0    | 0   | 5   | 0   | 0   | 0   | 3   | 0   | 7   | 2   | 6   | 0   | 3   | 2   | 1   | 5   | 5   | 6   | 7   | 0   |     |     |
|              | DPHI: | 57   | 58   | 59  | 60  | 61  | 62  | 63  | 64  | 64  | 64  | 64  | 65  | 66  | 67  | 68  | 69  | 70  | 86  | 93  | 99  | 110 |     |     |
| 82 10 16 18  | AZ:   | 150  | 158  | 167 | 174 | 182 | 190 | 199 | 206 | 212 | 225 | 230 | 238 | 254 | 262 | 270 | 278 | 286 | 294 |     |     |     |     |     |
| R = 15.0 KM; | OBS:  | 11   | 0    | 5   | 0   | 0   | 6   | 0   | 2   | 3   | 4   | 5   | 0   | 1   | 1   | 0   | 0   | 0   | 0   |     |     |     |     |     |
| JDGMT: 2     | DPHI: | -30  | -23  | -14 | -7  | 2   | 9   | 18  | 25  | 31  | 44  | 49  | 57  | 73  | 82  | 89  | 97  | 105 | 113 |     |     |     |     |     |
| 82 10 16 19  | AZ:   | 141  | 150  | 154 | 157 | 165 | 173 | 180 | 187 | 195 | 204 | 205 | 211 | 220 | 227 | 235 | 243 | 252 | 260 | 268 | 277 | 283 | 291 | 304 |
| R = 0.5 KM;  | OBS:  | 4    | 0    | 6   | 4   | 0   | 0   | 3   | 2   | 2   | 1   | 0   | 6   | 1   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 4   | 1   | 1   |
| JDGMT: 2     | DPHI: | -67  | -59  | -55 | -52 | -44 | -36 | -29 | -21 | -13 | -5  | -4  | 3   | 11  | 18  | 26  | 34  | 44  | 52  | 60  | 68  | 74  | 83  | 96  |
| 82 10 16 19  | AZ:   | 60   | 109  | 118 | 126 | 135 | 141 | 149 | 157 | 165 | 173 | 189 | 197 | 205 | 213 | 222 | 228 | 236 | 245 | 253 | 261 | 268 | 277 | 285 |
| R = 1.0 KM;  | OBS:  | 8    | 2    | 5   | 0   | 5   | 1   | 1   | 0   | 0   | 0   | 1   | 4   | 2   | 0   | 0   | 0   | 5   | 0   | 0   | 6   | 0   | 3   | 5   |
| JDGMT: 2     | DPHI: | -149 | -100 | -91 | -83 | -74 | -67 | -60 | -51 | -44 | -36 | -19 | -12 | -4  | 4   | 13  | 20  | 28  | 37  | 44  | 52  | 60  | 68  | 76  |
|              | AZ:   | 323  | 14   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 0    | 2    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 115  | 166  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 16 19  | AZ:   | 70   | 117  | 126 | 134 | 138 | 142 | 149 | 158 | 166 | 174 | 183 | 191 | 207 | 213 | 221 | 228 | 238 | 243 | 245 | 255 | 268 | 273 | 275 |
| R = 2.0 KM;  | OBS:  | 0    | 0    | 0   | 0   | 0   | 0   | 0   | 3   | 5   | 1   | 0   | 0   | 1   | 0   | 4   | 1   | 1   | 6   | 4   | 6   | 0   | 1   | 4   |
| JDGMT: 2     | DPHI: | -138 | -91  | -83 | -75 | -70 | -67 | -60 | -50 | -43 | -35 | -26 | -18 | -2  | 5   | 12  | 20  | 29  | 34  | 36  | 46  | 59  | 64  | 67  |
|              | AZ:   | 280  | 285  | 289 | 313 | 317 | 10  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 9    | 0    | 0   | 5   | 6   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 72   | 77   | 81  | 104 | 109 | 161 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 16 19  | AZ:   | 59   | 126  | 139 | 150 | 158 | 166 | 174 | 182 | 230 | 230 | 238 | 243 | 245 | 247 | 248 | 250 | 250 | 262 | 271 | 278 | 286 |     |     |
| R = 3.0 KM;  | OBS:  | 3    | 0    | 0   | 5   | 0   | 0   | 2   | 0   | 1   | 0   | 4   | 1   | 0   | 0   | 3   | 0   | 0   | 5   | 0   | 0   | 6   |     |     |
| JDGMT: 2     | DPHI: | -150 | -82  | -70 | -59 | -51 | -42 | -35 | -26 | 22  | 22  | 30  | 34  | 36  | 38  | 39  | 41  | 42  | 54  | 62  | 70  | 77  |     |     |
| 82 10 16 19  | AZ:   | 126  | 135  | 141 | 151 | 158 | 166 | 174 | 182 | 190 | 199 | 206 | 210 | 210 | 214 | 221 | 230 | 246 | 246 | 247 | 247 | 248 | 248 | 248 |
| R = 5.0 KM;  | OBS:  | 2    | 4    | 18  | 6   | 0   | 7   | 3   | 2   | 0   | 4   | 2   | 1   | 7   | 0   | 1   | 0   | 1   | 3   | 0   | 0   | 1   | 4   | 0   |
| JDGMT: 2     | DPHI: | -82  | -73  | -67 | -58 | -51 | -42 | -35 | -27 | -19 | -10 | -2  | 1   | 1   | 5   | 13  | 21  | 37  | 37  | 38  | 38  | 39  | 39  | 40  |
|              | AZ:   | 249  | 249  | 249 | 249 | 251 | 254 | 259 | 271 | 279 | 287 | 294 | 303 |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 0    | 2    | 0   | 0   | 5   | 7   | 5   | 0   | 0   | 5   | 4   | 1   |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 40   | 40   | 41  | 41  | 43  | 45  | 50  | 62  | 70  | 78  | 85  | 94  |     |     |     |     |     |     |     |     |     |     |     |

|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 82 10 16 19  | AZ:   | 130  | 138  | 147 | 155 | 162 | 170 | 178 | 186 | 194 | 202 | 211 | 219 | 227 | 228 | 229 | 230 | 231 | 232 | 233 | 234 | 235 | 236 | 237 |
| R = 7.0 KM;  | OBS:  | 35   | 3    | 1   | 0   | 5   | 0   | 3   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 5   | 0   | 1   | 6   | 0   | 3   |
| JDGMT: -2    | DPHI: | -78  | -70  | -62 | -54 | -46 | -38 | -31 | -22 | -14 | -7  | 2   | 10  | 18  | 19  | 20  | 21  | 22  | 23  | 25  | 26  | 26  | 27  | 28  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 238  | 239  | 240 | 241 | 242 | 243 | 244 | 245 | 245 | 245 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 267 | 274 | 280 | 291 |     |     |
|              | OBS:  | 1    | 0    | 0   | 0   | 0   | 0   | 2   | 0   | 1   | 1   | 0   | 0   | 7   | 3   | 4   | 2   | 1   | 2   | 0   | 0   | 6   |     |     |
|              | DPHI: | 29   | 30   | 31  | 32  | 33  | 34  | 35  | 36  | 36  | 37  | 37  | 38  | 39  | 39  | 40  | 41  | 42  | 58  | 66  | 72  | 82  |     |     |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 16 19  | AZ:   | 150  | 158  | 167 | 174 | 182 | 190 | 199 | 206 | 212 | 225 | 230 | 238 | 254 | 262 | 270 | 278 | 286 | 294 |     |     |     |     |     |
| R = 15.0 KM; | OBS:  | 2    | 0    | 7   | 2   | 6   | 1   | 3   | 0   | 3   | 1   | 24  | 2   | 8   | 2   | 0   | 3   | 0   | 2   |     |     |     |     |     |
| JDGMT: 3     | DPHI: | -58  | -50  | -42 | -35 | -26 | -19 | -10 | -3  | 3   | 16  | 21  | 29  | 46  | 54  | 61  | 69  | 77  | 85  |     |     |     |     |     |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 18 5   | AZ:   | 23   | 86   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 0.5 KM;  | OBS:  | 0    | 3    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     | DPHI: | -15  | 48   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 18 5   | AZ:   | 278  | 59   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 3.0 KM;  | OBS:  | 0    | 7    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     | DPHI: | -120 | 21   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 18 5   | AZ:   | 233  | 248  | 348 | 352 | 354 | 358 | 2   | 6   | 10  | 14  | 19  | 22  | 26  | 31  | 34  | 39  | 43  | 47  | 51  | 55  | 59  | 63  | 66  |
| R = 10.0 KM; | OBS:  | 0    | 7    | 4   | 0   | 6   | 1   | 8   | 1   | 0   | 5   | 187 | 2   | 0   | 2   | 2   | 0   | 1   | 3   | 2   | 1   | 0   | 2   | 1   |
| JDGMT: 3     | DPHI: | -165 | -151 | -50 | -46 | -45 | -40 | -36 | -33 | -28 | -24 | -20 | -16 | -12 | -7  | -4  | 1   | 4   | 9   | 13  | 16  | 21  | 25  | 28  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 71   | 74   | 79  | 80  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 1    | 3    | 2   | 9   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 33   | 36   | 41  | 42  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 18 5   | AZ:   | 89   | 90   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 15.0 KM; | OBS:  | 38   | 37   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     | DPHI: | 51   | 51   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 18 5   | AZ:   | 347  | 351  | 353 | 355 | 355 | 359 | 2   | 2   | 4   | 7   | 9   | 10  | 12  | 17  | 18  | 20  | 23  | 25  | 26  | 28  | 31  | 34  | 35  |
| R = 20.0 KM; | OBS:  | 3    | 6    | 0   | 0   | 0   | 0   | 1   | 6   | 2   | 0   | 3   | 0   | 9   | 0   | 0   | 5   | 4   | 5   | 9   | 4   | 7   | 0   | 6   |
| JDGMT: 2     | DPHI: | -51  | -47  | -45 | -43 | -43 | -39 | -37 | -36 | -34 | -31 | -30 | -28 | -26 | -21 | -20 | -18 | -16 | -14 | -12 | -10 | -7  | -4  | -4  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 37   | 38   | 41  | 42  | 45  | 47  | 50  | 50  | 52  | 55  | 57  | 59  | 61  | 62  | 65  | 66  | 69  | 70  | 72  | 74  | 77  | 78  | 81  |
|              | OBS:  | 7    | 0    | 1   | 2   | 0   | 0   | 0   | 0   | 0   | 0   | 6   | 2   | 4   | 0   | 3   | 8   | 3   | 0   | 7   | 3   | 5   | 3   | 2   |
|              | DPHI: | -1   | 0    | 3   | 4   | 7   | 9   | 12  | 12  | 14  | 16  | 19  | 21  | 22  | 24  | 27  | 28  | 31  | 32  | 34  | 36  | 39  | 40  | 42  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 83   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 5    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 45   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 18 5   | AZ:   | 349  | 350  | 352 | 354 | 356 | 359 | 1   | 2   | 3   | 6   | 9   | 11  | 12  | 15  | 18  | 20  | 23  | 26  | 29  | 31  | 32  | 34  | 35  |
| R = 30.0 KM; | OBS:  | 0    | 6    | 0   | 0   | 7   | 11  | 7   | 1   | 0   | 0   | 8   | 6   | 9   | 0   | 8   | 14  | 0   | 1   | 0   | 0   | 5   | 5   | 1   |
| JDGMT: 2     | DPHI: | -49  | -48  | -46 | -44 | -42 | -39 | -37 | -36 | -35 | -32 | -29 | -27 | -26 | -23 | -20 | -18 | -15 | -12 | -10 | -7  | -6  | -5  | -3  |
|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | AZ:   | 38   | 41   | 42  | 44  | 47  | 48  | 50  | 53  | 54  | 56  | 58  | 61  | 62  | 64  | 66  | 69  | 71  | 73  | 75  | 77  | 79  | 81  | 83  |
|              | OBS:  | 4    | 2    | 9   | 6   | 4   | 0   | 8   | 4   | 3   | 1   | 0   | 9   | 0   | 9   | 8   | 4   | 0   | 11  | 15  | 30  | 7   | 4   | 0   |
|              | DPHI: | 0    | 3    | 4   | 6   | 9   | 10  | 12  | 15  | 16  | 18  | 20  | 23  | 24  | 26  | 28  | 30  | 33  | 35  | 37  | 39  | 40  | 43  | 45  |

|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 82 10 18 5   | AZ:   | 347  | 357  | 358 | 1   | 3   | 5   | 7   | 8   | 10  | 17  | 18  | 23  | 32  | 35  | 37  | 39  | 40  | 43  | 45  | 47  | 48  | 52  | 54  |
| R = 40.0 KM; | OBS:  | 0    | 0    | 7   | 0   | 4   | 4   | 7   | 4   | 6   | 4   | 2   | 0   | 2   | 0   | 6   | 4   | 3   | 0   | 8   | 3   | 0   | 1   | 8   |
| JDGMT: 3     | DPHI: | -51  | -41  | -40 | -37 | -35 | -33 | -31 | -30 | -28 | -21 | -20 | -15 | -6  | -3  | -1  | 1   | 2   | 5   | 7   | 9   | 10  | 14  | 16  |
|              | AZ:   | 56   | 58   | 61  | 63  | 64  | 67  | 68  | 71  | 72  | 77  | 79  | 81  | 83  | 151 | 152 | 154 |     |     |     |     |     |     |     |
|              | OBS:  | 2    | 8    | 0   | 5   | 0   | 4   | 8   | 0   | 0   | 2   | 2   | 1   | 0   | 0   | 0   | 0   |     |     |     |     |     |     |     |
|              | DPHI: | 18   | 20   | 23  | 24  | 26  | 29  | 30  | 32  | 34  | 38  | 41  | 43  | 45  | 113 | 114 | 116 |     |     |     |     |     |     |     |
| 82 10 18 5   | AZ:   | 350  | 354  | 357 | 3   | 6   | 9   | 16  | 19  | 25  | 31  | 34  | 40  | 43  | 46  | 50  | 55  | 58  | 62  | 66  | 71  | 74  | 79  | 83  |
| R = 50.0 KM; | OBS:  | 0    | 0    | 4   | 1   | 7   | 3   | 7   | 4   | 9   | 3   | 4   | 1   | 6   | 0   | 0   | 1   | 6   | 1   | 1   | 0   | 0   | 0   | 5   |
| JDGMT: 3     | DPHI: | -48  | -44  | -41 | -35 | -32 | -29 | -22 | -19 | -13 | -7  | -4  | 2   | 5   | 8   | 12  | 17  | 20  | 24  | 28  | 33  | 36  | 40  | 44  |
| 82 10 18 6   | AZ:   | 23   | 86   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 0.5 KM;  | OBS:  | 3    | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     | DPHI: | -21  | 43   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 18 6   | AZ:   | 278  | 59   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 3.0 KM;  | OBS:  | 0    | 3    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     | DPHI: | -125 | 15   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 18 6   | AZ:   | 233  | 248  | 348 | 350 | 352 | 354 | 358 | 2   | 6   | 10  | 14  | 19  | 22  | 26  | 31  | 34  | 39  | 43  | 47  | 51  | 55  | 59  | 63  |
| R = 10.0 KM; | OBS:  | 0    | 0    | 0   | 2   | 0   | 0   | 0   | 0   | 0   | 4   | 0   | 2   | 4   | 4   | 0   | 8   | 2   | 0   | 7   | 0   | 6   | 4   | 0   |
| JDGMT: 3     | DPHI: | -170 | -156 | -55 | -53 | -51 | -50 | -45 | -41 | -38 | -33 | -29 | -25 | -21 | -17 | -13 | -9  | -4  | -1  | 3   | 8   | 11  | 15  | 19  |
|              | AZ:   | 66   | 71   | 74  | 79  | 80  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 0    | 8    | 0   | 0   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 22   | 27   | 31  | 36  | 37  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 18 6   | AZ:   | 89   | 90   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 15.0 KM; | OBS:  | 6    | 1    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     | DPHI: | 46   | 46   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 18 6   | AZ:   | 347  | 351  | 353 | 355 | 355 | 359 | 2   | 2   | 4   | 7   | 9   | 10  | 12  | 15  | 17  | 18  | 20  | 23  | 25  | 26  | 28  | 31  | 34  |
| R = 20.0 KM; | OBS:  | 8    | 7    | 4   | 4   | 0   | 4   | 0   | 3   | 6   | 5   | 4   | 3   | 0   | 7   | 0   | 7   | 3   | 2   | 8   | 2   | 9   | 2   | 0   |
| JDGMT: 3     | DPHI: | -56  | -53  | -50 | -49 | -48 | -44 | -42 | -41 | -39 | -36 | -35 | -34 | -31 | -28 | -26 | -25 | -23 | -21 | -19 | -17 | -15 | -13 | -10 |
|              | AZ:   | 35   | 37   | 38  | 41  | 42  | 45  | 47  | 50  | 50  | 52  | 55  | 57  | 59  | 61  | 62  | 65  | 66  | 69  | 70  | 72  | 74  | 77  | 78  |
|              | OBS:  | 4    | 3    | 0   | 8   | 0   | 3   | 5   | 4   | 6   | 1   | 0   | 3   | 1   | 5   | 1   | 0   | 9   | 0   | 0   | 7   | 1   | 1   | 7   |
|              | DPHI: | -9   | -7   | -6  | -2  | -1  | 2   | 3   | 7   | 7   | 9   | 11  | 14  | 16  | 17  | 19  | 22  | 23  | 26  | 26  | 29  | 31  | 34  | 35  |
|              | AZ:   | 81   | 83   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 1    | 5    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 37   | 39   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 18 6   | AZ:   | 349  | 350  | 352 | 354 | 356 | 359 | 1   | 2   | 3   | 6   | 9   | 11  | 12  | 15  | 18  | 20  | 23  | 26  | 29  | 31  | 32  | 34  | 35  |
| R = 30.0 KM; | OBS:  | 0    | 2    | 0   | 0   | 4   | 2   | 0   | 3   | 1   | 0   | 0   | 10  | 9   | 1   | 9   | 6   | 0   | 0   | 8   | 0   | 0   | 0   | 0   |
| JDGMT: 2     | DPHI: | -55  | -53  | -51 | -49 | -47 | -44 | -43 | -41 | -41 | -37 | -35 | -32 | -31 | -28 | -25 | -23 | -21 | -18 | -15 | -13 | -11 | -10 | -9  |
|              | AZ:   | 38   | 41   | 42  | 44  | 47  | 48  | 50  | 53  | 54  | 56  | 58  | 61  | 62  | 64  | 66  | 69  | 71  | 73  | 75  | 77  | 79  | 81  | 83  |
|              | OBS:  | 0    | 0    | 0   | 0   | 3   | 0   | 0   | 0   | 9   | 2   | 1   | 2   | 2   | 0   | 0   | 7   | 4   | 41  | 18  | 30  | 6   | 0   | 1   |
|              | DPHI: | -5   | -3   | -1  | 1   | 4   | 5   | 7   | 10  | 11  | 13  | 15  | 17  | 19  | 21  | 23  | 25  | 27  | 29  | 32  | 33  | 35  | 37  | 39  |

|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 82 10 18 6   | AZ:   | 347  | 357  | 358 | 1   | 3   | 5   | 7   | 8   | 10  | 17  | 18  | 23  | 32  | 35  | 37  | 39  | 40  | 43  | 45  | 47  | 48  | 52  | 54  |
| R = 40.0 KM; | OBS:  | 1    | 7    | 0   | 6   | 5   | 9   | 4   | 4   | 9   | 6   | 0   | 12  | 0   | 1   | 0   | 9   | 0   | 0   | 1   | 8   | 0   | 1   | 0   |
| JDGMT: 3     | DPHI: | -56  | -47  | -45 | -42 | -41 | -39 | -36 | -35 | -33 | -27 | -26 | -21 | -12 | -8  | -6  | -4  | -3  | 0   | 1   | 3   | 5   | 9   | 11  |
|              | AZ:   | 56   | 58   | 61  | 63  | 64  | 67  | 68  | 71  | 72  | 77  | 79  | 81  | 83  | 151 | 152 | 154 |     |     |     |     |     |     |     |
|              | OBS:  | 0    | 6    | 0   | 0   | 0   | 0   | 0   | 3   | 1   | 4   | 0   | 6   | 4   | 6   | 6   | 4   |     |     |     |     |     |     |     |
|              | DPHI: | 13   | 15   | 18  | 19  | 21  | 23  | 25  | 27  | 29  | 33  | 36  | 37  | 39  | 107 | 109 | 111 |     |     |     |     |     |     |     |
| 82 10 18 6   | AZ:   | 350  | 354  | 357 | 3   | 6   | 9   | 16  | 19  | 25  | 31  | 34  | 40  | 43  | 46  | 50  | 55  | 58  | 62  | 66  | 71  | 74  | 79  | 83  |
| R = 50.0 KM; | OBS:  | 0    | 5    | 0   | 5   | 0   | 3   | 0   | 5   | 9   | 4   | 4   | 7   | 0   | 5   | 3   | 8   | 8   | 2   | 2   | 3   | 2   | 2   | 0   |
| JDGMT: 3     | DPHI: | -53  | -49  | -46 | -40 | -37 | -34 | -27 | -25 | -18 | -13 | -9  | -4  | -1  | 2   | 7   | 11  | 15  | 19  | 23  | 28  | 31  | 35  | 39  |
| 82 10 18 7   | AZ:   | 23   | 86   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 0.5 KM;  | OBS:  | 0    | 6    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     | DPHI: | -25  | 39   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 18 7   | AZ:   | 278  | 59   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 3.0 KM;  | OBS:  | 7    | 4    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     | DPHI: | -129 | 11   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 18 7   | AZ:   | 233  | 248  | 348 | 350 | 352 | 354 | 358 | 2   | 6   | 10  | 14  | 19  | 22  | 26  | 31  | 34  | 39  | 43  | 47  | 51  | 55  | 59  | 63  |
| R = 10.0 KM; | OBS:  | 2    | 0    | 1   | 0   | 5   | 4   | 2   | 0   | 4   | 0   | 0   | 8   | 0   | 2   | 0   | 2   | 0   | 3   | 3   | 2   | 1   | 5   | 7   |
| JDGMT: 2     | DPHI: | -174 | -160 | -59 | -57 | -55 | -54 | -49 | -45 | -42 | -38 | -33 | -29 | -26 | -21 | -17 | -14 | -8  | -5  | -1  | 3   | 7   | 11  | 15  |
|              | AZ:   | 66   | 71   | 74  | 79  | 80  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 6    | 0    | 11  | 0   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 18   | 23   | 27  | 31  | 33  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 18 7   | AZ:   | 89   | 90   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 15.0 KM; | OBS:  | 2    | 1    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     | DPHI: | 42   | 42   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 18 7   | AZ:   | 347  | 351  | 353 | 355 | 355 | 359 | 2   | 2   | 4   | 7   | 9   | 10  | 12  | 15  | 17  | 18  | 20  | 23  | 25  | 26  | 28  | 31  | 34  |
| R = 20.0 KM; | OBS:  | 0    | 3    | 4   | 5   | 0   | 0   | 0   | 3   | 0   | 8   | 0   | 0   | 3   | 2   | 2   | 5   | 0   | 2   | 0   | 3   | 0   | 7   | 9   |
| JDGMT: 3     | DPHI: | -60  | -57  | -54 | -53 | -52 | -48 | -46 | -46 | -43 | -40 | -39 | -38 | -35 | -32 | -30 | -29 | -27 | -25 | -23 | -21 | -19 | -17 | -14 |
|              | AZ:   | 35   | 37   | 38  | 41  | 42  | 45  | 47  | 50  | 50  | 52  | 55  | 57  | 59  | 61  | 62  | 65  | 66  | 69  | 70  | 72  | 74  | 77  | 78  |
|              | OBS:  | 0    | 9    | 0   | 1   | 1   | 0   | 7   | 8   | 6   | 6   | 6   | 6   | 6   | 0   | 1   | 0   | 2   | 0   | 1   | 2   | 6   | 2   | 7   |
|              | DPHI: | -13  | -11  | -10 | -6  | -5  | -2  | -1  | 2   | 3   | 4   | 7   | 10  | 12  | 13  | 15  | 17  | 19  | 22  | 22  | 25  | 27  | 29  | 31  |
|              | AZ:   | 81   | 83   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 0    | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 33   | 35   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 18 7   | AZ:   | 349  | 350  | 352 | 354 | 356 | 359 | 1   | 2   | 3   | 6   | 9   | 11  | 12  | 15  | 18  | 20  | 23  | 26  | 29  | 31  | 32  | 34  | 35  |
| R = 30.0 KM; | OBS:  | 1    | 0    | 1   | 0   | 7   | 0   | 0   | 0   | 0   | 5   | 7   | 0   | 9   | 0   | 0   | 0   | 0   | 14  | 5   | 4   | 0   | 8   | 0   |
| JDGMT: 2     | DPHI: | -59  | -57  | -55 | -54 | -51 | -48 | -47 | -45 | -45 | -41 | -39 | -37 | -35 | -33 | -30 | -27 | -25 | -22 | -19 | -17 | -15 | -14 | -13 |
|              | AZ:   | 38   | 41   | 42  | 44  | 47  | 48  | 50  | 53  | 54  | 56  | 58  | 61  | 62  | 64  | 66  | 69  | 71  | 73  | 75  | 77  | 79  | 81  | 83  |
|              | OBS:  | 3    | 1    | 1   | 1   | 0   | 0   | 6   | 0   | 0   | 0   | 0   | 8   | 0   | 1   | 18  | 9   | 0   | 41  | 39  | 19  | 14  | 0   | 8   |
|              | DPHI: | -9   | -7   | -5  | -3  | -1  | 1   | 3   | 5   | 7   | 8   | 11  | 13  | 15  | 17  | 19  | 21  | 23  | 25  | 27  | 29  | 31  | 33  | 35  |

|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 82 10 18 7   | AZ:   | 347  | 357  | 358 | 1   | 3   | 5   | 7   | 8   | 10  | 13  | 14  | 17  | 18  | 23  | 32  | 35  | 37  | 39  | 40  | 43  | 45  | 47  | 48  |
| R = 40.0 KM; | OBS:  | 0    | 4    | 0   | 1   | 0   | 9   | 0   | 0   | 1   | 0   | 0   | 0   | 2   | 9   | 2   | 4   | 7   | 2   | 1   | 1   | 0   | 4   | 0   |
| JDGMT: 2     | DPHI: | -60  | -51  | -49 | -46 | -45 | -43 | -41 | -39 | -37 | -34 | -33 | -31 | -30 | -25 | -16 | -12 | -10 | -9  | -7  | -4  | -3  | -1  | 1   |
|              | AZ:   | 52   | 54   | 56  | 58  | 61  | 63  | 64  | 67  | 68  | 71  | 72  | 77  | 79  | 81  | 83  | 151 | 152 | 154 |     |     |     |     |     |
|              | OBS:  | 0    | 0    | 3   | 5   | 6   | 4   | 0   | 6   | 6   | 7   | 0   | 1   | 4   | 3   | 0   | 2   | 0   | 9   |     |     |     |     |     |
|              | DPHI: | 5    | 7    | 9   | 10  | 13  | 15  | 17  | 19  | 21  | 23  | 25  | 29  | 32  | 33  | 35  | 103 | 105 | 107 |     |     |     |     |     |
| 82 10 18 7   | AZ:   | 350  | 354  | 357 | 3   | 6   | 9   | 16  | 19  | 25  | 31  | 34  | 40  | 43  | 46  | 50  | 55  | 58  | 62  | 66  | 71  | 74  | 79  | 83  |
| R = 50.0 KM; | OBS:  | 0    | 4    | 0   | 7   | 0   | 0   | 0   | 5   | 1   | 0   | 4   | 0   | 5   | 4   | 0   | 0   | 0   | 0   | 0   | 4   | 2   | 0   | 0   |
| JDGMT: 2     | DPHI: | -57  | -53  | -51 | -44 | -41 | -38 | -31 | -29 | -22 | -17 | -13 | -8  | -5  | -2  | 3   | 7   | 11  | 15  | 19  | 23  | 27  | 31  | 35  |
| 82 10 18 8   | AZ:   | 23   | 86   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 0.5 KM;  | OBS:  | 0    | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     | DPHI: | -24  | 39   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 18 8   | AZ:   | 278  | 59   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 3.0 KM;  | OBS:  | 3    | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     | DPHI: | -129 | 12   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 18 8   | AZ:   | 233  | 248  | 348 | 350 | 352 | 354 | 358 | 2   | 6   | 10  | 14  | 19  | 22  | 26  | 31  | 34  | 39  | 43  | 47  | 51  | 55  | 59  | 63  |
| R = 10.0 KM; | OBS:  | 6    | 0    | 3   | 0   | 1   | 0   | 0   | 4   | 0   | 0   | 7   | 0   | 0   | 19  | 14  | 5   | 14  | 0   | 0   | 0   | 1   | 0   | 0   |
| JDGMT: 3     | DPHI: | -174 | -159 | -58 | -57 | -55 | -53 | -49 | -44 | -41 | -37 | -33 | -28 | -25 | -20 | -16 | -13 | -8  | -4  | 0   | 4   | 8   | 12  | 16  |
|              | AZ:   | 66   | 71   | 74  | 79  | 80  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 0    | 0    | 14  | 0   | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 19   | 24   | 28  | 32  | 34  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 18 8   | AZ:   | 89   | 90   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| R = 15.0 KM; | OBS:  | 9    | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| JDGMT: 0     | DPHI: | 43   | 43   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 18 8   | AZ:   | 347  | 351  | 353 | 355 | 355 | 359 | 2   | 2   | 4   | 7   | 9   | 10  | 12  | 15  | 17  | 18  | 20  | 23  | 25  | 26  | 28  | 31  | 34  |
| R = 20.0 KM; | OBS:  | 9    | 1    | 0   | 0   | 2   | 3   | 1   | 0   | 7   | 0   | 0   | 0   | 0   | 7   | 0   | 4   | 3   | 0   | 5   | 2   | 8   | 7   | 0   |
| JDGMT: 2     | DPHI: | -59  | -56  | -54 | -52 | -51 | -47 | -45 | -45 | -43 | -40 | -38 | -37 | -34 | -31 | -30 | -28 | -26 | -24 | -22 | -20 | -18 | -16 | -13 |
|              | AZ:   | 35   | 37   | 38  | 41  | 42  | 45  | 47  | 50  | 50  | 52  | 55  | 57  | 59  | 61  | 62  | 65  | 66  | 69  | 70  | 72  | 74  | 77  | 78  |
|              | OBS:  | 1    | 1    | 2   | 6   | 2   | 0   | 7   | 0   | 0   | 4   | 3   | 0   | 0   | 5   | 0   | 1   | 3   | 0   | 8   | 0   | 4   | 0   | 1   |
|              | DPHI: | -12  | -10  | -9  | -6  | -4  | -2  | 0   | 3   | 3   | 5   | 8   | 10  | 12  | 14  | 15  | 18  | 19  | 23  | 23  | 26  | 28  | 30  | 32  |
|              | AZ:   | 81   | 83   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | OBS:  | 9    | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|              | DPHI: | 34   | 36   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 82 10 18 8   | AZ:   | 349  | 350  | 352 | 354 | 356 | 359 | 1   | 2   | 3   | 6   | 9   | 11  | 12  | 15  | 18  | 20  | 23  | 26  | 29  | 31  | 32  | 34  | 35  |
| R = 30.0 KM; | OBS:  | 0    | 0    | 0   | 7   | 0   | 0   | 0   | 0   | 0   | 4   | 0   | 5   | 9   | 1   | 1   | 11  | 3   | 1   | 7   | 2   | 3   | 0   | 6   |
| JDGMT: 2     | DPHI: | -58  | -57  | -54 | -53 | -50 | -48 | -46 | -45 | -44 | -40 | -38 | -36 | -34 | -32 | -29 | -27 | -24 | -21 | -18 | -16 | -15 | -13 | -12 |
|              | AZ:   | 38   | 41   | 42  | 44  | 47  | 48  | 50  | 53  | 54  | 56  | 58  | 61  | 62  | 64  | 66  | 69  | 71  | 73  | 75  | 77  | 79  | 81  | 83  |
|              | OBS:  | 0    | 0    | 3   | 0   | 0   | 0   | 0   | 1   | 1   | 0   | 4   | 9   | 3   | 0   | 9   | 15  | 6   | 37  | 40  | 53  | 11  | 0   | 2   |
|              | DPHI: | -9   | -6   | -5  | -3  | 0   | 2   | 3   | 6   | 7   | 9   | 12  | 14  | 15  | 18  | 19  | 22  | 24  | 26  | 28  | 30  | 32  | 34  | 36  |

|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| 82 10 18 8   | AZ:   | 347  | 357  | 358 | 1   | 3   | 5   | 7   | 8   | 10  | 13  | 14  | 17  | 18  | 23  | 32  | 35  | 37  | 39  | 40  | 43  | 45  | 47  | 48 |
| R = 40.0 KM; | OBS:  | 2    | 1    | 7   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 7   | 9   | 0   | 2   | 0   | 4   | 1   | 3   | 6   | 3   | 7   | 7  |
| JDGMT: 2     | DPHI: | -59  | -50  | -48 | -45 | -44 | -42 | -40 | -38 | -37 | -34 | -33 | -30 | -29 | -24 | -15 | -12 | -10 | -8  | -7  | -3  | -2  | 0   | 2  |
|              | AZ:   | 52   | 54   | 56  | 58  | 61  | 63  | 64  | 67  | 68  | 71  | 72  | 77  | 79  | 81  | 83  | 151 | 152 | 154 |     |     |     |     |    |
|              | OBS:  | 6    | 4    | 6   | 2   | 3   | 0   | 0   | 3   | 30  | 5   | 0   | 0   | 4   | 0   | 5   | 0   | 7   | 0   |     |     |     |     |    |
|              | DPHI: | 5    | 8    | 9   | 11  | 14  | 16  | 18  | 20  | 22  | 24  | 26  | 30  | 32  | 34  | 36  | 104 | 106 | 107 |     |     |     |     |    |
| 82 10 18 8   | AZ:   | 350  | 354  | 357 | 3   | 6   | 9   | 16  | 19  | 25  | 31  | 34  | 40  | 43  | 46  | 50  | 55  | 58  | 62  | 66  | 71  | 74  | 79  | 83 |
| R = 50.0 KM; | OBS:  | 4    | 2    | 8   | 0   | 0   | 13  | 7   | 0   | 0   | 0   | 0   | 7   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 6   | 7   | 5   | 1  |
| JDGMT: 3     | DPHI: | -57  | -52  | -50 | -44 | -41 | -37 | -31 | -28 | -22 | -16 | -12 | -7  | -4  | -1  | 3   | 8   | 11  | 16  | 19  | 24  | 27  | 32  | 36 |
| 82 10 18 9   | AZ:   | 23   | 86   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| R = 0.5 KM;  | OBS:  | 0    | 2    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| JDGMT: 0     | DPHI: | -19  | 44   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 82 10 18 9   | AZ:   | 278  | 59   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| R = 3.0 KM;  | OBS:  | 1    | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| JDGMT: 0     | DPHI: | -124 | 17   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 82 10 18 9   | AZ:   | 233  | 248  | 348 | 350 | 352 | 354 | 358 | 2   | 6   | 10  | 14  | 19  | 22  | 26  | 31  | 34  | 39  | 43  | 47  | 51  | 55  | 59  | 63 |
| R = 10.0 KM; | OBS:  | 0    | 8    | 0   | 0   | 1   | 6   | 3   | 0   | 7   | 2   | 0   | 8   | 1   | 38  | 6   | 0   | 5   | 0   | 0   | 6   | 1   | 2   | 0  |
| JDGMT: 3     | DPHI: | -169 | -155 | -54 | -52 | -50 | -48 | -44 | -40 | -37 | -32 | -28 | -24 | -20 | -16 | -11 | -8  | -3  | 0   | 5   | 9   | 12  | 17  | 21 |
|              | AZ:   | 66   | 71   | 74  | 79  | 80  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|              | OBS:  | 9    | 4    | 0   | 0   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|              | DPHI: | 24   | 29   | 32  | 37  | 38  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 82 10 18 9   | AZ:   | 89   | 90   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| R = 15.0 KM; | OBS:  | 0    | 1    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| JDGMT: 0     | DPHI: | 47   | 47   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 82 10 18 9   | AZ:   | 347  | 351  | 353 | 355 | 355 | 359 | 2   | 2   | 4   | 7   | 9   | 10  | 12  | 15  | 17  | 18  | 20  | 23  | 25  | 26  | 28  | 31  | 34 |
| R = 20.0 KM; | OBS:  | 2    | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 7   | 0   | 2   | 8   | 4   | 8   | 1   | 0   | 5   | 4   | 0   | 0   | 2   | 4   | 7  |
| JDGMT: 2     | DPHI: | -55  | -51  | -49 | -47 | -47 | -43 | -41 | -40 | -38 | -35 | -34 | -32 | -30 | -27 | -25 | -24 | -22 | -20 | -18 | -16 | -14 | -11 | -8 |
|              | AZ:   | 35   | 37   | 38  | 41  | 42  | 45  | 47  | 50  | 50  | 52  | 55  | 57  | 59  | 61  | 62  | 65  | 66  | 69  | 70  | 72  | 74  | 77  | 78 |
|              | OBS:  | 3    | 0    | 3   | 1   | 6   | 0   | 0   | 0   | 2   | 1   | 0   | 0   | 0   | 7   | 0   | 0   | 2   | 0   | 7   | 0   | 9   | 0   | 3  |
|              | DPHI: | -7   | -5   | -4  | -1  | 0   | 3   | 5   | 8   | 8   | 10  | 12  | 15  | 17  | 18  | 20  | 23  | 24  | 27  | 28  | 30  | 32  | 35  | 36 |
|              | AZ:   | 81   | 83   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|              | OBS:  | 1    | 4    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|              | DPHI: | 38   | 41   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 82 10 18 9   | AZ:   | 349  | 350  | 352 | 354 | 356 | 359 | 1   | 2   | 3   | 6   | 9   | 11  | 12  | 15  | 18  | 20  | 23  | 26  | 29  | 31  | 32  | 34  | 35 |
| R = 30.0 KM; | OBS:  | 0    | 3    | 7   | 3   | 3   | 0   | 0   | 0   | 2   | 7   | 4   | 0   | 2   | 0   | 6   | 0   | 0   | 1   | 4   | 11  | 4   | 4   | 0  |
| JDGMT: 2     | DPHI: | -53  | -52  | -50 | -48 | -46 | -43 | -41 | -40 | -39 | -36 | -33 | -31 | -30 | -27 | -24 | -22 | -19 | -16 | -14 | -11 | -10 | -9  | -7 |
|              | AZ:   | 38   | 41   | 42  | 44  | 47  | 48  | 50  | 53  | 54  | 56  | 58  | 61  | 62  | 64  | 66  | 69  | 71  | 73  | 75  | 77  | 79  | 81  | 83 |
|              | OBS:  | 9    | 0    | 0   | 2   | 6   | 0   | 7   | 0   | 1   | 3   | 0   | 2   | 3   | 3   | 18  | 6   | 0   | 48  | 44  | 50  | 9   | 0   | 3  |
|              | DPHI: | -4   | -1   | 0   | 2   | 5   | 6   | 8   | 11  | 12  | 14  | 16  | 19  | 20  | 22  | 24  | 26  | 29  | 31  | 33  | 35  | 36  | 39  | 41 |

|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|
| 82 10 18 9   | AZ:   | 347  | 357  | 358 | 1   | 3   | 5   | 7   | 8   | 10  | 13  | 14  | 17  | 18  | 23  | 32  | 35  | 37  | 39  | 40  | 43  | 45 | 47 | 48 |
| R = 40.0 KM; | OBS:  | 0    | 5    | 0   | 0   | 4   | 0   | 3   | 2   | 9   | 0   | 6   | 0   | 6   | 6   | 9   | 6   | 9   | 4   | 6   | 2   | 0  | 1  | 0  |
| JDGMT: 2     | DPHI: | -55  | -45  | -44 | -41 | -39 | -37 | -35 | -34 | -32 | -29 | -28 | -25 | -24 | -19 | -10 | -7  | -5  | -3  | -2  | 1   | 3  | 5  | 6  |
|              | AZ:   | 52   | 54   | 56  | 58  | 61  | 63  | 64  | 67  | 68  | 71  | 72  | 77  | 79  | 81  | 83  | 151 | 152 | 154 |     |     |    |    |    |
|              | OBS:  | 5    | 0    | 2   | 0   | 2   | 0   | 1   | 0   | 4   | 6   | 2   | 3   | 1   | 3   | 6   | 0   | 0   | 0   |     |     |    |    |    |
|              | DPHI: | 10   | 12   | 14  | 16  | 19  | 20  | 22  | 25  | 26  | 28  | 30  | 35  | 37  | 39  | 41  | 109 | 110 | 112 |     |     |    |    |    |
| 82 10 18 9   | AZ:   | 350  | 354  | 357 | 3   | 6   | 9   | 16  | 19  | 25  | 31  | 34  | 40  | 43  | 46  | 50  | 55  | 58  | 62  | 66  | 71  | 74 | 79 | 83 |
| R = 50.0 KM; | OBS:  | 6    | 0    | 4   | 0   | 7   | 2   | 0   | 0   | 12  | 5   | 0   | 4   | 6   | 0   | 0   | 3   | 10  | 0   | 1   | 0   | 0  | 0  | 0  |
| JDGMT: 3     | DPHI: | -52  | -48  | -45 | -39 | -36 | -33 | -26 | -23 | -17 | -11 | -8  | -2  | 1   | 4   | 8   | 13  | 16  | 20  | 24  | 29  | 32 | 36 | 41 |
| 82 10 18 10  | AZ:   | 23   | 86   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| R = 0.5 KM;  | OBS:  | 2    | 2    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| JDGMT: 0     | DPHI: | -14  | 50   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| 82 10 18 10  | AZ:   | 278  | 59   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| R = 3.0 KM;  | OBS:  | 1    | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| JDGMT: 0     | DPHI: | -118 | 22   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| 82 10 18 10  | AZ:   | 233  | 248  | 348 | 350 | 352 | 354 | 358 | 2   | 6   | 10  | 14  | 19  | 22  | 31  | 34  | 39  | 43  | 47  | 51  | 55  | 59 | 63 | 66 |
| R = 10.0 KM; | OBS:  | 3    | 7    | 4   | 0   | 1   | 0   | 0   | 1   | 7   | 6   | 0   | 0   | 0   | 9   | 15  | 9   | 8   | 6   | 1   | 2   | 3  | 1  | 0  |
| JDGMT: 3     | DPHI: | -164 | -149 | -48 | -47 | -45 | -43 | -38 | -34 | -31 | -27 | -22 | -18 | -15 | -6  | -3  | 3   | 6   | 10  | 14  | 18  | 22 | 26 | 29 |
|              | AZ:   | 71   | 74   | 79  | 80  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
|              | OBS:  | 5    | 9    | 0   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
|              | DPHI: | 34   | 38   | 42  | 44  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| 82 10 18 10  | AZ:   | 89   | 90   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| R = 15.0 KM; | OBS:  | 1    | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| JDGMT: 0     | DPHI: | 53   | 53   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| 82 10 18 10  | AZ:   | 347  | 351  | 353 | 355 | 355 | 359 | 2   | 2   | 4   | 7   | 9   | 10  | 12  | 15  | 17  | 18  | 20  | 23  | 25  | 26  | 28 | 31 | 34 |
| R = 20.0 KM; | OBS:  | 3    | 0    | 0   | 0   | 0   | 8   | 0   | 5   | 5   | 2   | 0   | 1   | 0   | 0   | 0   | 3   | 0   | 0   | 2   | 10  | 7  | 6  | 0  |
| JDGMT: 3     | DPHI: | -49  | -46  | -43 | -42 | -41 | -37 | -35 | -35 | -32 | -29 | -28 | -27 | -24 | -21 | -20 | -18 | -16 | -14 | -12 | -10 | -8 | -6 | -3 |
|              | AZ:   | 35   | 37   | 38  | 41  | 42  | 45  | 47  | 50  | 50  | 52  | 55  | 57  | 59  | 61  | 62  | 65  | 66  | 69  | 70  | 72  | 74 | 77 | 78 |
|              | OBS:  | 2    | 6    | 0   | 0   | 0   | 1   | 2   | 1   | 1   | 0   | 3   | 5   | 0   | 0   | 0   | 3   | 5   | 5   | 4   | 4   | 0  | 0  | 0  |
|              | DPHI: | -2   | 0    | 1   | 4   | 6   | 9   | 10  | 13  | 14  | 15  | 18  | 21  | 22  | 24  | 26  | 28  | 30  | 33  | 33  | 36  | 38 | 40 | 42 |
|              | AZ:   | 81   | 83   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
|              | OBS:  | 2    | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
|              | DPHI: | 44   | 46   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| 82 10 18 10  | AZ:   | 349  | 350  | 352 | 354 | 356 | 359 | 1   | 2   | 3   | 6   | 9   | 11  | 12  | 15  | 18  | 20  | 23  | 26  | 29  | 31  | 32 | 34 | 35 |
| R = 30.0 KM; | OBS:  | 0    | 5    | 5   | 0   | 3   | 4   | 2   | 0   | 0   | 6   | 0   | 9   | 0   | 0   | 9   | 0   | 5   | 15  | 0   | 0   | 0  | 3  | 3  |
| JDGMT: 3     | DPHI: | -48  | -47  | -44 | -43 | -40 | -37 | -36 | -35 | -34 | -30 | -28 | -26 | -24 | -22 | -19 | -17 | -14 | -11 | -8  | -6  | -4 | -3 | -2 |
|              | AZ:   | 38   | 41   | 42  | 44  | 47  | 48  | 50  | 53  | 54  | 56  | 58  | 61  | 62  | 64  | 66  | 69  | 71  | 73  | 75  | 77  | 79 | 81 | 83 |
|              | OBS:  | 8    | 6    | 2   | 0   | 5   | 9   | 4   | 0   | 2   | 0   | 3   | 6   | 1   | 1   | 0   | 2   | 12  | 7   | 3   | 6   | 0  | 0  | 9  |
|              | DPHI: | 1    | 4    | 6   | 8   | 10  | 12  | 13  | 16  | 17  | 19  | 22  | 24  | 26  | 28  | 30  | 32  | 34  | 36  | 38  | 40  | 42 | 44 | 46 |



|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|
| 82 10 18 10  | AZ:   | 347  | 357  | 358 | 1   | 3   | 5   | 7   | 8   | 10  | 13  | 14  | 17  | 18  | 23  | 32  | 35  | 37  | 39  | 40  | 43  | 45 | 47 | 48 |
| R = 40.0 KM; | OBS:  | 0    | 7    | 0   | 2   | 8   | 0   | 4   | 0   | 3   | 1   | 0   | 0   | 0   | 9   | 7   | 9   | 4   | 5   | 0   | 0   | 0  | 0  | 0  |
| JDGMT: 3     | DPHI: | -49  | -40  | -38 | -35 | -34 | -32 | -30 | -28 | -27 | -23 | -22 | -20 | -19 | -14 | -5  | -1  | 0   | 2   | 4   | 7   | 8  | 10 | 12 |
|              | AZ:   | 52   | 54   | 56  | 58  | 61  | 63  | 64  | 67  | 68  | 71  | 72  | 77  | 79  | 81  | 83  | 151 | 152 | 154 |     |     |    |    |    |
|              | OBS:  | 1    | 1    | 4   | 2   | 0   | 5   | 0   | 0   | 2   | 8   | 0   | 0   | 0   | 3   | 0   | 5   | 0   | 0   |     |     |    |    |    |
|              | DPHI: | 15   | 18   | 19  | 21  | 24  | 26  | 28  | 30  | 32  | 34  | 36  | 40  | 43  | 44  | 46  | 114 | 116 | 118 |     |     |    |    |    |
| 82 10 18 10  | AZ:   | 350  | 354  | 357 | 3   | 6   | 9   | 16  | 19  | 25  | 31  | 34  | 40  | 43  | 46  | 50  | 55  | 58  | 62  | 66  | 71  | 74 | 79 | 83 |
| R = 50.0 KM; | OBS:  | 0    | 2    | 0   | 0   | 0   | 1   | 0   | 0   | 4   | 4   | 0   | 7   | 5   | 2   | 0   | 10  | 6   | 0   | 0   | 1   | 1  | 6  | 3  |
| JDGMT: 3     | DPHI: | -47  | -42  | -40 | -34 | -30 | -27 | -21 | -18 | -12 | -6  | -2  | 3   | 6   | 9   | 13  | 18  | 21  | 26  | 29  | 34  | 38 | 42 | 46 |
| 82 10 18 11  | AZ:   | 23   | 86   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| R = 0.5 KM;  | OBS:  | 0    | 1    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| JDGMT: 0     | DPHI: | -15  | 49   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| 82 10 18 11  | AZ:   | 278  | 59   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| R = 3.0 KM;  | OBS:  | 5    | 3    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| JDGMT: 0     | DPHI: | -119 | 21   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| 82 10 18 11  | AZ:   | 233  | 248  | 348 | 350 | 352 | 354 | 358 | 2   | 6   | 10  | 14  | 19  | 22  | 31  | 34  | 39  | 43  | 47  | 51  | 55  | 59 | 63 | 66 |
| R = 10.0 KM; | OBS:  | 1    | 0    | 0   | 3   | 4   | 9   | 4   | 0   | 2   | 6   | 3   | 0   | 0   | 11  | 15  | 1   | 46  | 9   | 9   | 0   | 6  | 7  | 5  |
| JDGMT: 3     | DPHI: | -164 | -150 | -49 | -47 | -45 | -44 | -39 | -35 | -32 | -28 | -23 | -19 | -16 | -7  | -4  | 2   | 5   | 9   | 13  | 17  | 21 | 25 | 28 |
|              | AZ:   | 71   | 74   | 79  | 80  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
|              | OBS:  | 0    | 0    | 3   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
|              | DPHI: | 33   | 37   | 42  | 43  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| 82 10 18 11  | AZ:   | 89   | 90   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| R = 15.0 KM; | OBS:  | 0    | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| JDGMT: 0     | DPHI: | 52   | 52   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| 82 10 18 11  | AZ:   | 347  | 351  | 353 | 355 | 355 | 359 | 2   | 2   | 4   | 7   | 9   | 10  | 12  | 15  | 17  | 18  | 20  | 23  | 25  | 26  | 28 | 31 | 34 |
| R = 20.0 KM; | OBS:  | 0    | 3    | 0   | 4   | 4   | 6   | 1   | 0   | 8   | 12  | 0   | 8   | 0   | 5   | 0   | 0   | 0   | 7   | 8   | 5   | 0  | 7  | 2  |
| JDGMT: 3     | DPHI: | -50  | -47  | -44 | -43 | -42 | -38 | -36 | -36 | -33 | -30 | -29 | -28 | -25 | -22 | -20 | -19 | -17 | -15 | -13 | -11 | -9 | -7 | -4 |
|              | AZ:   | 35   | 37   | 38  | 41  | 42  | 45  | 47  | 50  | 50  | 52  | 55  | 57  | 59  | 61  | 62  | 65  | 66  | 69  | 70  | 72  | 74 | 77 | 78 |
|              | OBS:  | 1    | 0    | 3   | 0   | 1   | 1   | 6   | 4   | 4   | 0   | 0   | 0   | 0   | 0   | 6   | 0   | 0   | 0   | 0   | 0   | 0  | 5  | 4  |
|              | DPHI: | -3   | -1   | 0   | 4   | 5   | 8   | 9   | 12  | 13  | 15  | 17  | 20  | 22  | 23  | 25  | 27  | 29  | 32  | 32  | 35  | 37 | 39 | 41 |
|              | AZ:   | 81   | 83   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
|              | OBS:  | 0    | 7    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
|              | DPHI: | 43   | 45   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| 82 10 18 11  | AZ:   | 349  | 350  | 352 | 354 | 356 | 359 | 1   | 2   | 3   | 6   | 9   | 11  | 12  | 15  | 18  | 20  | 23  | 26  | 29  | 31  | 32 | 34 | 35 |
| R = 30.0 KM; | OBS:  | 0    | 0    | 0   | 9   | 8   | 0   | 0   | 7   | 0   | 0   | 7   | 0   | 0   | 0   | 0   | 7   | 9   | 5   | 9   | 2   | 5  | 0  | 2  |
| JDGMT: 2     | DPHI: | -49  | -47  | -45 | -44 | -41 | -38 | -37 | -35 | -35 | -31 | -29 | -27 | -25 | -23 | -19 | -17 | -15 | -12 | -9  | -7  | -5 | -4 | -3 |
|              | AZ:   | 38   | 41   | 42  | 44  | 47  | 48  | 50  | 53  | 54  | 56  | 58  | 61  | 62  | 64  | 66  | 69  | 71  | 73  | 75  | 77  | 79 | 81 | 83 |
|              | OBS:  | 8    | 1    | 0   | 4   | 0   | 7   | 7   | 6   | 9   | 0   | 4   | 3   | 0   | 0   | 0   | 9   | 6   | 8   | 4   | 0   | 6  | 7  | 0  |
|              | DPHI: | 1    | 3    | 5   | 7   | 9   | 11  | 13  | 15  | 17  | 19  | 21  | 23  | 25  | 27  | 29  | 31  | 33  | 35  | 37  | 39  | 41 | 43 | 45 |

|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|
| 82 10 18 11  | AZ:   | 347  | 357  | 358 | 1   | 3   | 5   | 7   | 8   | 10  | 13  | 14  | 17  | 18  | 23  | 32  | 35  | 37  | 39  | 40  | 43  | 45  | 47 | 48 |
| R = 40.0 KM; | OBS:  | 0    | 9    | 3   | 0   | 0   | 5   | 0   | 0   | 0   | 4   | 1   | 5   | 1   | 9   | 0   | 9   | 0   | 4   | 2   | 0   | 7   | 3  | 7  |
| JDGMT: 3     | DPHI: | -50  | -41  | -39 | -36 | -35 | -33 | -31 | -29 | -27 | -24 | -23 | -21 | -20 | -15 | -6  | -2  | 0   | 1   | 3   | 6   | 7   | 9  | 11 |
|              | AZ:   | 52   | 54   | 56  | 58  | 61  | 63  | 64  | 67  | 68  | 71  | 72  | 77  | 79  | 81  | 83  | 151 | 152 | 154 |     |     |     |    |    |
|              | OBS:  | 0    | 0    | 0   | 0   | 3   | 0   | 0   | 10  | 3   | 4   | 5   | 3   | 5   | 4   | 0   | 1   | 5   | 4   |     |     |     |    |    |
|              | DPHI: | 15   | 17   | 19  | 20  | 23  | 25  | 27  | 29  | 31  | 33  | 35  | 39  | 42  | 43  | 45  | 113 | 115 | 117 |     |     |     |    |    |
| 82 10 18 11  | AZ:   | 350  | 354  | 357 | 3   | 6   | 9   | 16  | 19  | 25  | 31  | 34  | 40  | 43  | 46  | 50  | 55  | 58  | 62  | 66  | 71  | 74  | 79 | 83 |
| R = 50.0 KM; | OBS:  | 0    | 9    | 6   | 0   | 0   | 0   | 0   | 0   | 0   | 5   | 9   | 0   | 6   | 0   | 8   | 4   | 0   | 0   | 0   | 0   | 7   | 0  | 5  |
| JDGMT: 2     | DPHI: | -47  | -43  | -40 | -34 | -31 | -28 | -21 | -19 | -12 | -7  | -3  | 2   | 5   | 8   | 13  | 17  | 21  | 25  | 29  | 33  | 37  | 41 | 45 |
| 82 10 18 12  | AZ:   | 23   | 86   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| R = 0.5 KM;  | OBS:  | 4    | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| JDGMT: 0     | DPHI: | -16  | 47   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 82 10 18 12  | AZ:   | 278  | 59   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| R = 3.0 KM;  | OBS:  | 0    | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| JDGMT: 0     | DPHI: | -121 | 20   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 82 10 18 12  | AZ:   | 233  | 248  | 348 | 350 | 352 | 354 | 358 | 2   | 6   | 10  | 14  | 19  | 22  | 31  | 34  | 39  | 43  | 47  | 51  | 55  | 59  | 63 | 66 |
| R = 10.0 KM; | OBS:  | 0    | 11   | 5   | 1   | 0   | 0   | 0   | 8   | 0   | 0   | 1   | 7   | 8   | 31  | 27  | 92  | 93  | 9   | 0   | 2   | 7   | 7  | 1  |
| JDGMT: 3     | DPHI: | -166 | -151 | -50 | -49 | -47 | -45 | -40 | -36 | -33 | -29 | -25 | -20 | -17 | -8  | -5  | 0   | 4   | 8   | 12  | 16  | 20  | 24 | 27 |
|              | AZ:   | 71   | 74   | 79  | 80  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|              | OBS:  | 3    | 3    | 0   | 3   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|              | DPHI: | 32   | 36   | 40  | 42  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 82 10 18 12  | AZ:   | 89   | 90   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| R = 15.0 KM; | OBS:  | 0    | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| JDGMT: 0     | DPHI: | 51   | 51   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 82 10 18 12  | AZ:   | 347  | 351  | 353 | 355 | 355 | 359 | 2   | 2   | 4   | 7   | 9   | 10  | 12  | 15  | 17  | 18  | 20  | 23  | 25  | 26  | 28  | 31 | 34 |
| R = 20.0 KM; | OBS:  | 0    | 0    | 0   | 7   | 0   | 0   | 0   | 8   | 7   | 5   | 0   | 0   | 0   | 3   | 7   | 3   | 0   | 0   | 22  | 34  | 4   | 81 | 62 |
| JDGMT: 3     | DPHI: | -51  | -48  | -45 | -44 | -43 | -39 | -37 | -37 | -35 | -32 | -30 | -29 | -26 | -23 | -22 | -20 | -18 | -16 | -14 | -12 | -10 | -8 | -5 |
|              | AZ:   | 35   | 37   | 38  | 41  | 42  | 45  | 47  | 50  | 50  | 52  | 55  | 57  | 59  | 61  | 62  | 65  | 66  | 69  | 70  | 72  | 74  | 77 | 78 |
|              | OBS:  | 69   | 50   | 49  | 47  | 23  | 27  | 14  | 0   | 9   | 10  | 7   | 4   | 1   | 9   | 1   | 0   | 4   | 0   | 0   | 0   | 2   | 5  | 8  |
|              | DPHI: | -4   | -2   | -1  | 2   | 4   | 6   | 8   | 11  | 11  | 13  | 16  | 19  | 20  | 22  | 23  | 26  | 27  | 31  | 31  | 34  | 36  | 38 | 40 |
|              | AZ:   | 81   | 83   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|              | OBS:  | 0    | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|              | DPHI: | 42   | 44   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 82 10 18 12  | AZ:   | 349  | 350  | 352 | 354 | 356 | 359 | 1   | 2   | 3   | 6   | 9   | 11  | 12  | 15  | 18  | 20  | 23  | 26  | 29  | 31  | 32  | 34 | 35 |
| R = 30.0 KM; | OBS:  | 0    | 2    | 0   | 0   | 9   | 1   | 0   | 0   | 0   | 0   | 0   | 9   | 0   | 5   | 8   | 0   | 5   | 20  | 38  | 47  | 44  | 68 | 67 |
| JDGMT: 3     | DPHI: | -50  | -49  | -46 | -45 | -42 | -40 | -38 | -37 | -36 | -32 | -30 | -28 | -26 | -24 | -21 | -19 | -16 | -13 | -10 | -8  | -7  | -5 | -4 |
|              | AZ:   | 38   | 41   | 42  | 44  | 47  | 48  | 50  | 53  | 54  | 56  | 58  | 61  | 62  | 64  | 66  | 69  | 71  | 73  | 75  | 77  | 79  | 81 | 83 |
|              | OBS:  | 166  | 136  | 109 | 64  | 18  | 11  | 17  | 35  | 46  | 26  | 13  | 3   | 0   | 3   | 0   | 0   | 0   | 0   | 5   | 0   | 0   | 0  | 7  |
|              | DPHI: | -1   | 2    | 4   | 5   | 8   | 10  | 11  | 14  | 15  | 17  | 20  | 22  | 23  | 26  | 27  | 30  | 32  | 34  | 36  | 38  | 40  | 42 | 44 |

|              |       |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|--------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|
| 82 10 18 12  | AZ:   | 347  | 357  | 358 | 1   | 3   | 5   | 7   | 8   | 10  | 13  | 14  | 17  | 18  | 23  | 32  | 35  | 37  | 39  | 40  | 43  | 45  | 47 | 48 |
| R = 40.0 KM; | OBS:  | 2    | 0    | 8   | 3   | 5   | 0   | 0   | 0   | 9   | 0   | 5   | 0   | 9   | 0   | 56  | 29  | 0   | 5   | 42  | 40  | 37  | 28 | 82 |
| JDGMT: 3     | DPHI: | -51  | -42  | -40 | -37 | -36 | -34 | -32 | -30 | -29 | -26 | -25 | -22 | -21 | -16 | -7  | -3  | -2  | 0   | 2   | 5   | 6   | 8  | 10 |
|              | AZ:   | 52   | 54   | 56  | 58  | 61  | 63  | 64  | 67  | 68  | 71  | 72  | 77  | 79  | 81  | 83  | 151 | 152 | 154 |     |     |     |    |    |
|              | OBS:  | 79   | 11   | 16  | 0   | 8   | 7   | 7   | 8   | 0   | 4   | 1   | 2   | 3   | 0   | 0   | 5   | 5   | 0   |     |     |     |    |    |
|              | DPHI: | 13   | 16   | 17  | 19  | 22  | 24  | 26  | 28  | 30  | 32  | 34  | 38  | 40  | 42  | 44  | 112 | 114 | 115 |     |     |     |    |    |
| 82 10 18 12  | AZ:   | 350  | 354  | 357 | 3   | 6   | 9   | 16  | 19  | 25  | 31  | 34  | 40  | 43  | 46  | 50  | 55  | 58  | 62  | 66  | 71  | 74  | 79 | 83 |
| R = 50.0 KM; | OBS:  | 9    | 0    | 6   | 4   | 0   | 1   | 0   | 9   | 9   | 0   | 33  | 11  | 9   | 0   | 6   | 0   | 4   | 3   | 0   | 8   | 4   | 0  | 0  |
| JDGMT: 3     | DPHI: | -49  | -44  | -42 | -36 | -32 | -29 | -23 | -20 | -14 | -8  | -4  | 1   | 4   | 7   | 11  | 16  | 19  | 24  | 27  | 32  | 35  | 40 | 44 |
| 82 10 18 13  | AZ:   | 23   | 86   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| R = 0.5 KM;  | OBS:  | 0    | 7    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| JDGMT: 0     | DPHI: | -7   | 57   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 82 10 18 13  | AZ:   | 278  | 59   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| R = 3.0 KM;  | OBS:  | 6    | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| JDGMT: 0     | DPHI: | -111 | 29   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 82 10 18 13  | AZ:   | 233  | 248  | 348 | 350 | 352 | 354 | 358 | 2   | 6   | 10  | 14  | 19  | 22  | 31  | 34  | 39  | 43  | 47  | 51  | 55  | 59  | 63 | 66 |
| R = 10.0 KM; | OBS:  | 0    | 16   | 6   | 0   | 0   | 0   | 6   | 0   | 0   | 0   | 105 | 131 | 137 | 182 | 227 | 122 | 0   | 0   | 0   | 0   | 0   | 2  | 2  |
| JDGMT: 3     | DPHI: | -156 | -142 | -41 | -39 | -37 | -36 | -31 | -27 | -24 | -19 | -15 | -11 | -7  | 1   | 5   | 10  | 13  | 17  | 22  | 25  | 29  | 33 | 36 |
|              | AZ:   | 71   | 74   | 79  | 80  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|              | OBS:  | 0    | 12   | 0   | 8   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|              | DPHI: | 41   | 45   | 50  | 51  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 82 10 18 13  | AZ:   | 89   | 90   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| R = 15.0 KM; | OBS:  | 0    | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| JDGMT: 0     | DPHI: | 60   | 60   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 82 10 18 13  | AZ:   | 347  | 351  | 353 | 355 | 355 | 359 | 2   | 2   | 4   | 7   | 9   | 10  | 12  | 15  | 17  | 18  | 20  | 23  | 25  | 26  | 28  | 34 | 35 |
| R = 20.0 KM; | OBS:  | 1    | 5    | 3   | 0   | 6   | 3   | 3   | 9   | 7   | 2   | 0   | 0   | 15  | 63  | 40  | 35  | 47  | 107 | 129 | 137 | 122 | 59 | 61 |
| JDGMT: 3     | DPHI: | -42  | -39  | -36 | -35 | -34 | -30 | -28 | -27 | -25 | -22 | -21 | -20 | -17 | -14 | -12 | -11 | -9  | -7  | -5  | -3  | -1  | 4  | 5  |
|              | AZ:   | 37   | 38   | 41  | 42  | 45  | 47  | 50  | 50  | 52  | 55  | 57  | 59  | 61  | 62  | 65  | 66  | 69  | 70  | 72  | 74  | 77  | 78 | 81 |
|              | OBS:  | 19   | 17   | 11  | 5   | 5   | 8   | 0   | 5   | 0   | 9   | 0   | 0   | 2   | 0   | 4   | 3   | 2   | 5   | 7   | 2   | 6   | 0  | 0  |
|              | DPHI: | 7    | 8    | 12  | 13  | 16  | 18  | 21  | 21  | 23  | 25  | 28  | 30  | 31  | 33  | 36  | 37  | 40  | 40  | 43  | 45  | 48  | 49 | 51 |
|              | AZ:   | 83   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|              | OBS:  | 8    |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|              | DPHI: | 53   |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 82 10 18 13  | AZ:   | 349  | 350  | 352 | 354 | 356 | 359 | 1   | 2   | 3   | 6   | 9   | 11  | 12  | 15  | 18  | 20  | 23  | 26  | 29  | 31  | 32  | 34 | 35 |
| R = 30.0 KM; | OBS:  | 6    | 1    | 3   | 0   | 1   | 0   | 2   | 0   | 1   | 3   | 8   | 69  | 77  | 57  | 103 | 101 | 165 | 39  | 91  | 70  | 58  | 43 | 57 |
| JDGMT: 3     | DPHI: | -41  | -39  | -37 | -35 | -33 | -30 | -29 | -27 | -27 | -23 | -21 | -18 | -17 | -14 | -11 | -9  | -7  | -4  | -1  | 1   | 3   | 4  | 5  |
|              | AZ:   | 38   | 41   | 42  | 44  | 48  | 50  | 53  | 54  | 56  | 58  | 61  | 62  | 64  | 66  | 69  | 71  | 73  | 75  | 77  | 79  | 81  | 83 |    |
|              | OBS:  | 30   | 37   | 23  | 30  | 22  | 18  | 23  | 19  | 20  | 1   | 1   | 15  | 1   | 4   | 7   | 0   | 7   | 0   | 0   | 8   | 0   | 6  |    |
|              | DPHI: | 9    | 11   | 13  | 15  | 19  | 21  | 24  | 25  | 27  | 29  | 31  | 33  | 35  | 37  | 39  | 41  | 43  | 46  | 47  | 49  | 51  | 53 |    |

|              |       |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |    |    |    |    |    |
|--------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|-----|-----|-----|----|----|----|----|----|
| 82 10 18 13  | AZ:   | 347 | 357 | 358 | 1   | 3   | 5   | 7   | 8   | 10  | 13  | 14  | 17  | 18  | 23 | 32 | 35  | 37  | 39  | 40 | 43 | 45 | 47 | 48 |
| R = 40.0 KM; | OBS:  | 0   | 1   | 0   | 2   | 0   | 0   | 8   | 13  | 37  | 24  | 23  | 34  | 23  | 49 | 78 | 44  | 44  | 17  | 50 | 34 | 32 | 47 | 32 |
| JDGMT: 3     | DPHI: | -42 | -33 | -31 | -28 | -27 | -25 | -22 | -21 | -19 | -16 | -15 | -13 | -12 | -7 | 2  | 6   | 8   | 10  | 11 | 14 | 15 | 17 | 19 |
|              | AZ:   | 52  | 54  | 56  | 58  | 61  | 63  | 64  | 67  | 68  | 71  | 72  | 77  | 79  | 81 | 83 | 151 | 152 | 154 |    |    |    |    |    |
|              | OBS:  | 46  | 20  | 9   | 9   | 5   | 7   | 2   | 9   | 3   | 4   | 0   | 4   | 0   | 8  | 4  | 8   | 0   | 0   |    |    |    |    |    |
|              | DPHI: | 23  | 25  | 27  | 29  | 32  | 33  | 35  | 37  | 39  | 41  | 43  | 47  | 50  | 51 | 53 | 121 | 123 | 125 |    |    |    |    |    |
| 82 10 18 13  | AZ:   | 350 | 354 | 357 | 3   | 6   | 9   | 16  | 19  | 25  | 31  | 34  | 40  | 43  | 46 | 50 | 55  | 58  | 62  | 66 | 71 | 74 | 79 | 83 |
| R = 50.0 KM; | OBS:  | 6   | 5   | 0   | 5   | 0   | 1   | 0   | 10  | 36  | 86  | 25  | 12  | 27  | 6  | 0  | 7   | 7   | 0   | 0  | 5  | 3  | 5  | 0  |
| JDGMT: 3     | DPHI: | -39 | -35 | -32 | -26 | -23 | -20 | -13 | -11 | -4  | 1   | 5   | 10  | 13  | 16 | 21 | 25  | 29  | 33  | 37 | 42 | 45 | 49 | 53 |