

CHAPTER 12

RAWINSONDE DATA

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The table in this chapter contains rawinsonde measurements made by the 6th Weather Squadron (Mobile), Tinker AFB, Oklahoma. A rawinsonde ascent was made at the test site for all gas releases except those numbered 35s and 48s. For each ascent, GMD-1A equipment was used and tabular data computed according to the instructions contained in the USWB Circular P and Air Weather Service Addenda. The computations were reviewed by an independent group using the same techniques.

Values of pressure, height, temperature and relative humidity are given for the significant and mandatory levels. The pressure is given in whole millibars, the height in meters above the ground (elevation of site above mean sea level is 603 meters), the temperature in tenths of degrees centigrade and the relative humidity in percent.

Values of the wind are given for standard heights. The height is given in meters above the ground, the direction in degrees (360 degree compass) to the nearest ten degrees, and the speed to the nearest tenth of a meter per second.

Table 12.1

Gas Release No. 1
3 July 1956 1050C

Gas Release No. 2
3 July 1956 1450C

P (mb)	Z (m)	T (°C)	R.H. (%)	P (mb)	Z (m)	T (°C)	R.H. (%)
945	0	22.5	65	945	0	24.0	66
934		20.0	67	933		21.8	61
900	420	17.6	78	900	423	19.0	72
860		14.4	91	850	912	14.7	86
850	906	13.8	91	844		14.3	88
800	1416	11.1	93	800	1423	11.5	93
744		7.9	94	771		9.4	96
730		5.5	81	729		7.5	100
706		3.8	45	700	2530	5.4	100
700	2522	4.7	52	679		3.9	100
694		5.5	58	655		3.5	100
638		1.6	61	620		- 1.6	100
600	3767	1.1	70	609		- 1.5	97
				604		0.0	89
				600	3778	- 0.1	82
Winds				Winds			
	Z (m)	ddd (deg)	ff (m/sec)		Z (m)	ddd (deg)	ff (m/sec)
SFC	02	120	1.	SFC	02	140	1.6
	350	140	2.7		370	120	2.0
	630	160	2.2		690	140	2.6
	920	180	3.0		960	170	3.1
	1200	190	3.9		1250	160	2.6
	1470	200	4.1		1530	160	2.1
	1770	190	3.5		1820	170	2.3
	2050	220	2.6		2120	190	2.2
	2320	250	3.2		2410	230	2.7
	2630	250	3.4		2710	250	3.9
	2920	230	3.2		3030	270	8.8
	3190	210	3.0		3320	260	10.6
	3470	190	2.9		3620	250	9.0
	3750	190	2.1		3930	270	10.3
	4020	190	3.2				

Table 12.1 (Continued)

Gas Release No. 3
5 July 1956 2150C

Gas Release No. 4
6 July 1956 0050C

P (mb)	Z (m)	T (°C)	R.H. (%)	P (mb)	Z (m)	T (°C)	R.H. (%)
948		19.8	85	947		19.1	94
940		24.8	61	926		25.8	74
900	454	21.9	62	900	446	23.4	61
882		20.5	63	880		21.6	52
850	948	18.1	54	851		19.0	63
837		17.1	50	850	941	19.0	63
805		14.5	58	800	1459	15.6	56
800	1464	14.1	56	731		10.6	45
762		11.9	45	700	2578	8.2	44
725		9.0	60	661		4.1	42
700	2578	6.5	62	626		0.9	57
695		5.9	62	611		0.9	35
672		4.0	64	600	3831	- 0.1	35
636		0.8	54				
600	3823	- 3.1	55				
Winds				Winds			
	Z (m)	ddd (deg)	ff (m/sec)		Z (m)	ddd (deg)	ff (m/sec)
SFC	02	140	1	SFC	02	180	2
	250	140	3.2		380	190	5.4
	520	160	3.0		630	180	4.3
	810	180	1.9		910	170	3.8
	1080	140	1.8		1170	160	3.2
	1380	130	2.2		No Data		
	1630	190	0.6		2990	290	9.9
	1920	270	0.6		3280	290	8.1
	2220	300	4.5		3600	310	9.5
	2460	290	5.0		3850	300	10.8
	2710	280	5.2				
	2980	290	5.0				
	3230	300	5.2				
	3490	300	6.0				
	3730	280	8.2				

Table 12.1 (Continued)

Gas Release No. 5
6 July 1956 1350C

Gas Release No. 6
6 July 1956 1650C

P (mb)	Z (m)	T (°C)	R.H. (%)	P (mb)	Z (m)	T (°C)	R.H. (%)
946	0	31.1	34	944	0	31.5	34
932		27.5	38	900	425	26.8	42
900	440	24.1	43	866		23.1	50
885		22.6	44	850	926		
856		22.0	33	822		20.8	39
850	938	21.5	34	800	1449	20.2	45
800	1462	17.8	47	734		13.1	38
720		11.5	67	700	2579	10.0	42
700	2591	9.4	71	660		6.0	50
660		4.9	76	600	3843	2.5	34
632		2.8	47				
600	3849	0.0	40				
Winds				Winds			
	Z (m)	ddd (deg)	ff (m/sec)		Z (m)	ddd (deg)	ff (m/sec)
SFC	02	160	4	SFC	02	170	5
	280	170	7.4		300	180	11.8
	550	170	6.8		700	180	13.4
	850	190	6.2		Signal Failure		
	1130	200	6.2		No Data		
	1470	210	5.8				
	1800	210	5.9				
	2100	220	7.7				
	2440	220	11.0				
	2750	230	10.6				
	3050	240	9.8				
	3380	230	13.9				
	3700	230	16.0				
	4020	220	15.6				

Table 12.1 (Continued)

Gas Release No. 7
10 July 1956 1350C

Gas Release No. 8
10 July 1956 1650C

P (mb)	Z (m)	T (°C)	R.H. (%)	P (mb)	Z (m)	T (°C)	R.H. (%)
946	0	31.0	30	945	0	31.6	30
938		26.8	28	930		28.9	30
904		24.5	35	900	433	25.9	35
900	439	24.1	37	850	931	20.9	42
850	935	19.5	49	837		19.4	45
800	1433	14.6	59	821		18.6	52
732		7.4	76	800	1451	16.7	55
702		5.5	61	705		8.0	66
700	2564	5.4	60	700	2571	7.3	65
666		4.1	23	674		4.5	59
655		5.1	mb	655		3.5	32
633		3.8	mb	644		4.5	21
600	3817	1.0	mb	600	3824	1.1	mb
	Winds				Winds		
	Z (m)	ddd (deg)	ff (m/sec)		Z (m)	ddd (deg)	ff (m/sec)
SFC	02	190	4.1	SFC	02	190	4.1
	310	210	6.1		330	170	4.7
	670	210	5.1		690	190	5.8
	1050	210	4.7		1060	200	7.2
	1430	220	4.6		1410	220	6.4
	1780	260	3.4		1710	230	6.8
	2130	300	5.6		2100	250	8.3
	2460	310	8.5		2400	290	9.4
	2800	310	9.4		2660	310	7.8
	3130	310	9.5		2940	330	6.7
	3450	310	9.6		3200	330	8.4
	3780	300	9.5		3460	320	7.8
	4120	300	10.1		3720	320	7.1
					4000	330	7.4

Table 12.1 (Continued)

Gas Release No. 9

11 July 1956 0950C

Gas Release No. 10

11 July 1956 1150C

P (mb)	Z (m)	T (°C)	R.H. (%)	P (mb)	Z (m)	T (°C)	R.H. (%)
941		27.2	52	941	0	30.8	44
930		24.9	48	925		26.5	47
900	390	22.2	52	900	394	24.4	52
890		21.4	54	850	892	19.9	63
874		23.4	57	846		19.4	64
850	888	22.4	53	832		20.5	57
803		20.5	48	800	1415	18.6	50
800	1414	20.2	47	768		16.5	43
716		12.5	35	714		10.9	56
700	2548	10.9	40	700	2545	9.7	52
635		4.4	64	663		6.1	46
600	3812	0.7	66	600	3804	0.2	65
Winds				Winds			
	Z (m)	ddd (deg)	ff (m/sec)		Z (m)	ddd (deg)	ff (m/sec)
SFC	02	180	4.6	SFC	02	220	3.6
	350	210	10.0		280	230	6.0
	680	220	8.2		580	230	5.9
	960	220	7.5		900	220	6.0
	1220	210	8.5		1220	210	8.0
	1520	210	8.8		1600	210	7.8
	1830	220	7.0		1950	220	6.8
	2120	230	7.2		2300	240	6.7
	2410	250	8.0		2670	250	7.5
	2720	260	6.9		3000	260	9.5
	3000	290	6.3		3330	270	11.2
	3240	290	8.5		3690	280	11.2
	3510	290	11.0		4070	290	13.2
	3750	290	12.1				
	4000	290	14.2				

Table 12.1 (Continued)

Gas Release No. 11
14 July 1956 0750C

Gas Release No. 12
14 July 1956 0950C

P (mb)	Z (m)	T (°C)	R.H. (%)	P (mb)	Z (m)	T (°C)	R.H. (%)
944	0	24.5	66	944	0	30.0	48
933		22.4	65	936		26.0	56
902		22.8	68	900	421	22.9	67
900	417	22.8	68	896		22.5	68
850	916	21.7	48	890		23.5	64
816		20.8	34	850	920	23.1	35
800	1442	19.4	36	843		23.1	30
727		12.2	42	800	1446	19.9	30
700	2570	9.4	52	752		15.8	32
664		5.3	63	700	2577	10.3	49
624		3.4	34	648		4.4	66
600	3829	1.2	48	624		3.2	42
				604		1.4	60
				600	3836	1.1	59
	Winds				Winds		
	Z (m)	ddd (deg)	ff (m/sec)		Z (m)	ddd (deg)	ff (m/sec)
SFC	02	180	4.6	SFC	02	190	3.6
	300	190	11.8		300	200	11.0
	630	210	14.7		680	200	12.8
	940	210	12.8		1030	200	12.5
	1280	210	10.0		1400	200	10.3
	1650	210	6.8		1780	210	6.5
	1960	210	4.7		2130	210	5.0
	2250	210	4.6		2470	220	4.4
	2600	230	3.5		2850	250	4.4
	2980	230	3.5		3270	280	5.2
	3350	280	6.5		3530	310	9.4
	3730	290	8.5		3850	290	9.8
	4080	300	10.6				

Table 12.1 (Continued)

Gas Release No. 13
22 July 1956 1950C

Gas Release No. 14
22 July 1956 2150C

P (mb)	Z (m)	T (°C)	R.H. (%)	P (mb)	Z (m)	T (°C)	R.H. (%)
949	0	21.9	69	950	0	16.4	89
940		22.8	59	940		22.2	64
900	459	19.9	65	900	467	19.8	58
850	950	15.9	73	898		19.7	57
800	1462	11.8	82	860	957	15.7	70
747		7.1	92	802		11.5	86
700	2566	4.4	80	800	1468	11.4	85
685		3.4	76	700	2569	4.0	77
645		- 0.4	80	654		0.2	72
634		1.0	80	631		0.5	49
622		- 0.1	34	620		0.6	21
601		- 0.6	22	600	3807	- 0.8	mb
600	3807	- 0.6	mb				
Winds				Winds			
	Z (m)	ddd (deg)	ff (m/sec)		Z (m)	ddd (deg)	ff (m/sec)
SFC	02	170	1.0	SFC	02	160	1.0
	350	180	4.6		290	170	4.8
	700	180	4.6		610	180	4.5
	1020	180	5.0		900	190	3.0
	1340	180	4.0		1210	230	3.2
	1660	180	3.0		1500	260	2.9
	1960	190	1.8		1800	270	1.3
	2270	260	1.1		2100	300	2.1
	2670	310	2.9		2390	310	5.0
	2880	320	4.7		2660	310	7.5
	3200	320	6.0		2930	310	8.2
	3520	340	7.6		3210	310	7.8
	3840	340	9.3		3500	310	7.9
					3800	330	8.3

Table 12.1 (Continued)

Gas Release No. 15
23 July 1956 0750C

Gas Release No. 16
23 July 1956 0950C

P (mb)	Z (m)	T (°C)	R.H. (%)	P (mb)	Z (m)	T (°C)	R.H. (%)
949		21.0	64	948	0	26.5	48
940		19.4	66	935		23.3	54
924		21.1	67	900	454	20.8	60
900	458	20.8	59	850	945	16.7	69
897		20.7	58	841		15.9	70
853		17.0	66	810		14.4	33
850	948	16.8	65	800	1458	13.6	34
800	1462	13.0	48	769		10.9	38
728		7.2	19	728		7.1	59
700	2569	6.8	mb	715		6.7	50
698		6.7	mb	708		6.4	27
644		4.0	mb	700	2564	6.4	26
600	3820	0.0	mb	681		6.4	22
				658		3.9	46
				600	3812	- 0.5	37
Winds				Winds			
	Z (m)	ddd (deg)	ff (m/sec)		Z (m)	ddd (deg)	ff (m/sec)
SFC	02	230	2.1	SFC	02	180	2.1
	300	230	4.4		300	200	2.6
	600	240	2.8		610	190	2.6
	910	230	1.8		950	190	2.0
	1210	230	1.0		1300	180	1.1
	1500	260	0.9		1650	360	4.2
	1800	330	2.0		1980	010	7.3
	2090	360	4.7		2280	010	10.6
	2380	360	7.8		2600	010	12.5
	2680	350	9.5		2910	010	13.5
	2980	350	10.7		3230	010	13.2
	3290	340	10.9		3570	010	12.4
	3580	350	10.0		3880	350	10.2
	3850	350	8.9				

Table 12.1 (Continued)

Gas Release No. 17
23 July 1956 1950C

Gas Release No. 18
23 July 1956 2150C

P (mb)	Z (m)	T (°C)	R.H. (%)	P (mb)	Z (m)	T (°C)	R.H. (%)
943	0	28.0	39	943	0	23.6	54
928		29.0	32	926		27.6	35
900	414	27.0	35	900	411	26.0	33
850	916	23.1	40	898		25.9	33
804		19.5	43	850	911	23.1	39
800	1441	19.1	45	841		22.8	39
700	2571	9.8	64	800	1435	18.9	47
600	3829	- 0.7	85	700	2564	9.0	64
				684	2755	7.2	67
	Winds				Winds		
	Z (m)	ddd (deg)	ff (m/sec)		Z (m)	ddd (deg)	ff (m/sec)
SFC	02	170	2.1	SFC	02	180	2.1
	310	190	9.8		300	200	13.1
	620	200	1.5		650	220	15.2
	930	220	12.5		1000	240	13.2
	1280	230	13.6		1310	260	13.6
	1620	250	12.0		1670	280	15.0
	2000	270	10.4		2000	290	14.5
	2330	310	10.8		2310	300	14.5
	2670	320	13.9				
	3010	320	15.8				
	3350	320	16.8				
	3700	320	18.1				
	4060	230	18.9				

Table 12.1 (Continued)

Gas Release No. 19
25 July 1956 1050C

Gas Release No. 20
25 July 1956 1250C

P (mb)	Z (m)	T (°C)	R.H. (%)	P (mb)	Z (m)	T (°C)	R.H. (%)
945	0	28.8	38	942	0	31.0	30
932		25.8	41	917		36.6	33
900	429	22.8	47	900	406	25.1	35
878		20.5	51	870		22.0	38
850	923	20.5	26	850	904	22.3	27
823		20.8	21	838		22.5	18
800	1447	19.1	24	804		21.2	23
711		11.9	38	800	1430	20.9	24
700	2577	11.1	36	700	2565	11.5	38
678		9.5	28	687		10.6	24
600	3844	2.4	30	610		2.6	31
				600	3827	1.8	34
Winds				Winds			
	Z (m)	ddd (deg)	ff (m/sec)		Z (m)	ddd (deg)	ff (m/sec)
SFC	02	160	3.6	SFC	02	160	6.7
	320	170	6.3		360	180	12.8
	620	180	7.6		700	180	11.2
	900	180	8.8		1020	190	9.6
	1130	190	9.0		1370	200	6.8
	1380	190	6.6		1700	240	5.5
	1620	210	2.8		2050	250	5.1
	1820	220	2.0		2420	260	4.8
	2060	250	1.4		2770	270	5.7
	2280	300	2.0		3140	270	7.0
	2480	310	2.3		3380	270	7.4
	2700	300	2.4		3630	270	7.8
	2880	300	3.0		3900	290	10.0
	3080	290	4.5				
	3260	280	5.0				
	3430	250	4.0				

Table 12.1 (Continued)

Gas Release No. 21
25 July 1956 2150C

Gas Release No. 22
25 July 1956 2350C

P (mb)	Z (m)	T (°C)	R.H. (%)	P (mb)	Z (m)	T (°C)	R.H. (%)
938	0	29.0	41	937	0	26.5	45
911		27.1	39	910		25.5	45
900	367	28.3	34	900	355	26.3	43
889		29.6	30	896		26.8	42
861		28.5	27	850	859	25.2	36
850	875	26.5	27	800	1390	23.4	27
844		25.5	27	749		19.0	29
806		24.8	25	700	2532	13.4	38
800	1408	24.2	26	636		5.7	50
728		16.8	35	600	3800	2.0	55
700	2557	14.0	41				
678		11.6	44				
632		4.7	59				
620	3563	3.0	70				
	Winds				Winds		
	Z (m)	ddd (deg)	ff (m/sec)		Z (m)	ddd (deg)	ff (m/sec)
SFC	02	180	4.1	SFC	02	170	4.6
	160	200	8.0		300	190	20.0
	370	220	11.3		660	200	25.0
	540	220	12.3		930	210	24.6
	780	230	12.3		1220	220	25.3
	1030	250	14.4		1500	240	22.0
	1300	260	17.0		1800	260	16.0
	1630	260	14.0		2080	260	16.0
	2020	260	15.0		2360	250	18.8
	2380	265	20.8		2630	250	21.0
	2660	260	17.5		2930	250	19.5
	2950	270	9.0		3180	250	17.0
	3150	270	12.0		3450	250	17.0
	3340	260	19.5		3750	250	13.0
	3550	260	19.5		4080	270	11.4

Table 12.1 (Continued)

Gas Release No. 23
29 July 1956 2050C

Gas Release No. 24
29 July 1956 2250C

P (mb)	Z (m)	T (°C)	R.H. (%)	P (mb)	Z (m)	T (°C)	R.H. (%)
944	0	23.9	70	945	0	22.2	80
900	417	21.7	78	936		22.4	80
860		19.4	84	900	424	19.9	85
850	911	19.5	82	897		19.7	85
838		19.1	80	854		20.9	75
804		17.5	76	850	919	20.9	75
800	1432	17.6	70	815		19.5	65
776		18.6	47	800	1443	18.5	69
700	2567	11.9	45	774		16.3	72
696		11.4	44	750		15.9	64
685		10.1	54	700	2576	11.1	66
614		3.9	63	684		9.6	67
600	3837	2.2	65	659		7.0	57
				600	3842	1.0	72
Winds				Winds			
	Z (m)	ddd (deg)	ff (m/sec)		Z (m)	ddd (deg)	ff (m/sec)
SFC	02	120	4.6	SFC	02	130	3.8
	290	130	13.1		290	150	13.3
	600	120	15.0		600	160	14.4
	890	090	11.5		930	190	13.7
	1190	070	11.5		1270	210	14.2
	1480	050	11.1		1620	230	12.4
	1730	020	7.8		1920	250	10.2
	2020	030	5.6		2270	260	8.1
	2290	030	4.1		2600	260	6.1
	2520	020	3.7		2910	260	5.3
	2820	010	5.3		3230	260	5.3
	3100	010	6.4		3590	270	5.7
	3360	360	6.6		3880	270	6.0
	3630	360	6.5				
	3920	360	6.0				

Table 12.1 (Continued)

Gas Release No. 25
1 Aug 1956 1257C

Gas Release No. 26
2 Aug 1956 1150C

P (mb)	Z (m)	T (°C)	R.H. (%)	P (mb)	Z (m)	T (°C)	R.H. (%)
946	0	24.7	66	942	0	30.3	56
934		22.4	70	922		25.4	64
900	436	19.7	78	900	404	23.6	70
878		18.0	84	883		22.1	73
850	927	16.6	84	850	901	20.7	70
800	1443	13.9	84	800	1424	18.4	64
700	2559	8.2	83	790		18.0	62
694		7.8	83	705		10.6	78
636		3.8	83	700	2555	10.1	79
620		3.4	79	648		5.9	85
600	3819	1.8	78	600	3822	2.4	83
	Winds				Winds		
	Z (m)	ddd (deg)	ff (m/sec)		Z (m)	ddd (deg)	ff (m/sec)
SFC	02	180	2.1	SFC	02	170	3.6
	350	190	4.5		230	180	9.7
	680	200	6.1		500	190	11.2
	960	200	6.5		770	200	11.0
	1200	210	5.6		1030	200	11.5
	1450	210	5.9		1300	210	12.5
	1780	220	6.9		1590	210	13.8
	2120	220	7.3		1910	210	13.5
	2420	220	7.1		2210	210	13.5
	2720	220	9.0		2520	210	14.7
	3080	230	11.1		2820	230	16.0
	3460	220	9.3		3130	230	17.0
	3670	220	5.7		3420	230	17.0
	3990	220	5.5		3730	230	18.0
					4030	230	19.0

Table 12.1 (Continued)

Gas Release No. 27
2 Aug 1956 1350C

Gas Release No. 28
3 Aug 1956 0035C

P (mb)	Z (m)	T (°C)	R.H. (%)	P (mb)	Z (m)	T (°C)	R.H. (%)
941	0	32.2	48	940	0	25.9	66
934		29.6	52	925		28.0	59
900	398	26.6	56	900	385	26.6	55
850	898	22.0	60	892		26.1	54
813		18.5	65	878		26.6	51
800	1421	18.6	56	850	889	24.2	51
700	2551	10.5	69	810		21.0	51
668		7.7	73	800	1416	20.0	54
600	3817	2.6	72	721		13.1	74
				700	2551	11.1	78
				630		4.1	90
				600	3818	1.9	89
	Winds				Winds		
	Z (m)	ddd (deg)	ff (m/sec)		Z (m)	ddd (deg)	ff (m/sec)
SFC	02	170	5.1	SFC	02	170	3.1
	280	190	9.2		300	200	13.2
	580	180	7.0		590	210	18.4
	880	180	8.5		830	210	22.2
	1200	190	12.0		1090	210	21.3
	1500	200	13.9		1320	210	20.5
	1800	210	14.0		1580	210	20.1
	2100	210	15.6		1870	220	21.5
	2420	210	17.0		2200	220	24.0
	2720	210	18.5		2490	220	20.0
	3020	220	18.5		2770	210	18.5
	3320	220	19.8		3020	210	18.5
	3620	210	19.8		3300	210	18.7
	3920	210	19.3		3550	210	18.7
					3820	210	17.0

Table 12.1 (Continued)

Gas Release No. 29
3 Aug 1956 0150C

Gas Release No. 30
3 Aug 1956 1250C

P (mb)	Z (m)	T (°C)	R.H. (%)	P (mb)	Z (m)	T (°C)	R.H. (%)
941	0	25.5	61	941	0	34.6	36
928		26.6	56	932		31.6	42
900	393	25.4	54	900	401	28.7	49
893		25.1	53	850	906	23.9	56
870		25.1	48	846		23.5	57
850	895	23.8	50	800	1432	19.1	63
800	1422	20.4	54	757		14.8	70
787		19.4	55	732		14.3	60
700	2557	10.9	72	700	2564	11.5	62
668		7.5	80	630		4.8	68
601		1.9	79	607		3.7	66
600	3824	1.8	80	600	3834	3.0	66
Winds				Winds			
	Z (m)	ddd (deg)	ff (m/sec)		Z (m)	ddd (deg)	ff (m/sec)
SFC	02	180	4.3	SFC	02	190	5.1
	300	200	16.0		290	190	9.5
	620	210	20.0		580	190	11.7
	950	210	23.0		880	190	11.8
	1270	210	23.8		1180	190	8.4
	1600	220	21.0		1450	200	8.6
	1900	220	19.0		1800	200	13.4
	2210	220	19.0		2150	210	18.5
	2530	220	18.0		2480	210	18.5
	2850	220	15.5		2780	210	18.5
	3150	210	16.2		3040	210	19.0
	3470	210	17.0		3300	210	21.0
	3780	200	19.0		3560	220	20.0
	4100	200	19.0		3810	220	20.5
					4100	220	20.8

Table 12.1 (Continued)

Gas Release No. 31
3 Aug 1956 1450C

Gas Release No. 32
6 Aug 1956 1950C

P (mb)	Z (m)	T (°C)	R.H. (%)	P (mb)	Z (m)	T (°C)	R.H. (%)
941	0	34.0	37	945	0	24.3	36
932		31.5	40	933		27.0	35
900	400	28.8	46	900	430	24.7	38
850	906	24.2	56	850	929	21.0	43
800	1433	19.7	66	800	1450	17.3	48
738		13.6	80	783		16.0	49
700	2565	10.5	76	770		15.0	41
617		3.5	68	758		14.4	51
600	3833	2.7	72	700	2576	9.2	60
				647		4.1	67
				600	3834	0.3	55
	Winds				Winds		
	Z (m)	ddd (deg)	ff (m/sec)		Z (m)	ddd (deg)	ff (m/sec)
SFC	02	200	5.1	SFC	02	130	2.1
	320	200	9.7		300	170	11.0
	690	210	9.0		630	160	14.5
	1010	210	10.1		980	160	17.0
	1360	210	12.0		1300	150	16.0
	1690	210	12.0		1680	140	16.2
	2000	210	11.8		2030	130	16.2
	2300	210	12.9		2400	130	13.1
	2620	220	13.6		2720	140	8.8
	2930	220	15.9		3080	160	8.8
	3390	220	15.5		3470	220	9.6
	3620	220	13.5		3840	260	12.2
	3940	230	15.0				

Table 12.1 (Continued)

Gas Release No. 33

7 Aug 1956 1258C

Gas Release No. 34

7 Aug 1956 1455C

P (mb)	Z (m)	T (°C)	R.H. (%)	P (mb)	Z (m)	T (°C)	R.H. (%)
944	0	28.8	48	944	0	30.5	38
900	422	24.2	49	928		26.0	46
894		23.6	49	900	422	23.6	53
864		23.3	38	868		20.7	58
850	921	22.2	40	850	918	20.3	55
800	1444	18.0	48	800	1440	18.7	42
700	2570	9.0	66	798		18.6	41
677		6.9	70	700	2569	10.3	48
640		5.5	51	620		3.3	55
600	3832	1.8	43	600	3833	1.0	57
Winds				Winds			
	Z (m)	ddd (deg)	ff (m/sec)		Z (m)	ddd (deg)	ff (m/sec)
SFC	02	170	4.6	SFC	02	170	4.6
	300	170	13.3		340	150	13.0
	600	170	15.2		620	160	15.4
	960	170	14.5		960	170	15.5
	1320	180	14.5		1290	180	13.8
	1700	190	14.0		1630	190	11.9
	2080	180	8.4		1930	200	11.0
	2450	150	5.3		2210	210	12.1
	2830	150	7.2		2500	220	14.1
	3170	170	8.0		2800	230	13.7
	3470	200	7.8		3060	240	12.0
	3800	230	7.3		3330	240	9.5
					3620	240	6.8
					3900	240	6.1

Table 12.1 (Continued)

Gas Release No. 35
11 Aug 1956 2122C

Gas Release No. 36
11 Aug 1956 2328C

P (mb)	Z (m)	T (°C)	R.H. (%)	P (mb)	Z (m)	T (°C)	R.H. (%)
945	0	20.0	62	943	0	18.8	85
938		24.8	59	930		23.5	79
900	426			900	106	21.8	74
850	920			860		19.5	66
806		15.0	67	850	900	19.0	68
800	1436			800	1418	15.7	74
700	2549	5.4	90	738		11.3	83
682		4.9	77	700	2537	7.6	70
656		4.0	24	693		6.8	68
600	3799	1.3	mb	677		6.3	24
				650		6.0	mb
				618		3.4	24
				600	3794	1.3	30
Winds				Winds			
	Z (m)	ddd (deg)	ff (m/sec)		Z (m)	ddd (deg)	ff (m/sec)
SFC	02	170	1.6	SFC	02	180	1.6
	300	160	6.1		350	180	11.3
	630	180	7.0		600	190	10.0
	940	200	7.0		880	200	8.0
	1240	220	8.6		1170	220	7.0
	1580	240	9.8		1420	240	9.0
	1950	250	10.8		1700	250	13.0
	2250	260	11.9		2000	260	15.7
	2510	260	11.5		2300	260	15.0
	2760	260	11.4		2600	260	13.3
	3000	270	11.2		2930	270	12.0
	3260	280	13.1		3270	280	12.0
	3480	290	16.2		3580	300	13.8
	3710	300	17.8		3900	300	16.2

Table 12.1 (Continued)

Gas Release No. 37
12 Aug 1956 0250C

Gas Release No. 38
12 Aug 1956 0450C

P (mb)	Z (m)	T (°C)	R.H. (%)	P (mb)	Z (m)	T (°C)	R.H. (%)
912	0	20.0	75	912	0	20.0	81
912		22.8	77	905		22.5	55
900	398	22.2	71	900	395	22.5	51
883		21.3	61	886		22.5	45
850	894	19.3	61	852		20.5	45
823		17.6	62	850	891	20.3	45
800	1413	16.0	66	800	1411	16.9	59
726		11.0	81	735		12.1	78
702		9.3	69	712		10.5	54
700	2538	9.0	64	700	2534	9.1	59
677		7.6	23	673		6.0	66
622		2.0	30	656		5.0	34
600	3794	- 0.1	41	633		3.5	24
				600	3787	0.2	33
Winds				Winds			
	Z (m)	ddd (deg)	ff (m/sec)		Z (m)	ddd (deg)	ff (m/sec)
SFC	02	180	3.1	SFC	02	180	3.6
	300	190	14.9		330	180	14.0
	630	190	15.8		680	190	18.3
	950	200	12.3		1020	200	19.7
	1240	220	13.4		1370	210	17.5
	1520	230	15.4		1670	230	12.5
	1830	250	14.8		1950	240	10.0
	2140	270	12.5		2300	250	8.8
	2410	270	11.2		2600	260	8.5
	2700	260	10.9		2900	240	10.0
	3000	260	9.0		3220	240	9.0
	3300	260	7.8		3480	240	10.0
	3640	260	7.4		3760	230	13.0
	3960	260	6.8		4000	230	14.6

Table 12.1 (Continued)

Gas Release No. 39
13 Aug 1956 2220C

Gas Release No. 40
14 Aug 1956 0020C

P (mb)	Z (m)	T (°C)	R.H. (%)	P (mb)	Z (m)	T (°C)	R.H. (%)
948	0	20.5	41	948	0	20.6	62
937		25.4	38	940		25.5	49
930		27.4	35	932		27.6	40
900	457	25.4	30	900	457	25.1	42
886		24.6	28	850	955	21.0	46
850	955	21.9	36	805		17.0	49
800	1477	17.9	48	800	1476	16.9	50
761		14.5	56	763		15.0	56
700	2599	8.6	69	700	2598	8.4	49
680		6.4	71	676		5.8	46
637		2.5	26	628		0.1	53
600	3849	- 0.2	24	609		0.0	24
				600	3849	- 0.6	mb
Winds				Winds			
	Z (m)	ddd (deg)	ff (m/sec)		Z (m)	ddd (deg)	ff (m/sec)
SFC	02	160	2.6	SFC	02	200	2.0
	420	150	10.3		300	200	12.8
	850	170	9.0		600	210	14.2
	1200	200	9.0		900	210	13.8
	1580	230	10.3		1230	210	12.3
	2030	260	12.0		1570	230	10.2
	2460	280	13.0		1870	270	9.5
	2780	290	13.0		2160	300	9.3
	3170	300	14.0		2470	310	11.4
	3580	300	14.6		2760	320	14.0
	4000	310	16.0		3080	320	15.5
					3400	320	16.5
					3700	320	15.5
					3990	320	12.5

Table 12.1 (Continued)

Gas Release No. 41
14 Aug 1956 0250C

Gas Release No. 42
14 Aug 1956 0450C

P (mb)	Z (m)	T (°C)	R.H. (%)	P (mb)	Z (m)	T (°C)	R.H. (%)
947	0	20.0	66	947	0	21.7	55
933		24.2	60	920		26.6	31
915		26.0	40	900	448	26.0	30
900	446	25.3	40	869		24.9	30
850	946	22.8	36	850	948	22.9	41
840		22.2	36	841		22.0	46
800	1470	18.9	52	800	1473	20.0	53
793		18.2	55	792		19.5	54
700	2597	9.3	59	733		12.7	67
696		8.9	59	711		11.1	53
600	3850	- 2.3	65	700	2603	10.0	52
				674		7.1	51
				614		- 0.8	73
				600	3858	- 2.0	69
Winds				Winds			
	Z (m)	ddd (deg)	ff (m/sec)		Z (m)	ddd (deg)	ff (m/sec)
SFC	02	180	3.1	SFC	02	210	4.6
	280	210	13.2		340	230	20.9
	530	220	14.2		690	230	20.6
	830	220	14.0		1020	240	16.3
	1130	240	12.2		1330	260	17.1
	1450	260	11.0		1680	260	16.5
	1780	270	10.8		2000	270	14.0
	2100	280	12.0		2330	270	12.4
	2430	290	12.8		2630	270	11.0
	2730	290	14.0		2940	280	12.0
	3050	300	14.2		3270	290	12.0
	3400	310	15.0		3590	290	14.0
	3680	310	15.0		3910	300	15.5
	4000	310	16.5				

Table 12.1 (Continued)

Gas Release No. 43

15 Aug 1956 1150C

Gas Release No. 44

15 Aug 1956 1350C

P (mb)	Z (m)	T (°C)	R.H. (%)	P (mb)	Z (m)	T (°C)	R.H. (%)
945	0	34.5	24	943	0	36.8	19
931		30.4	26	930		31.9	22
900	436	27.6	30	900	418	29.1	25
850	937	22.9	35	874		26.8	27
846		22.4	36	850	922	24.5	30
832		23.3	18	806		20.6	35
800	1462	20.1	24	800	1448	20.1	37
762		17.2	49	746		16.5	52
746		16.1	41	718		13.3	54
705		12.0	56	700	2585	11.9	43
700	2598	11.8	53	695		11.6	40
685		10.7	47	658		8.5	37
630		4.2	53	600	3853	1.2	64
600	3863	0.9	69				
Winds				Winds			
	Z (m)	ddd (deg)	ff (m/sec)		Z (m)	ddd (deg)	ff (m/sec)
SFC	02	160	1.5	SFC	02	150	4.1
	280	160	5.0		280	150	6.0
	570	150	4.2		570	150	8.5
	750	140	5.0		880	160	9.2
	1130	150	5.8		1210	170	8.3
	1430	200	4.4		1550	200	7.7
	1720	220	5.7		1920	230	8.4
	2050	250	7.0		2300	250	10.2
	2390	260	8.7		2650	250	11.9
	2700	260	9.8		3000	240	11.5
	3000	260	10.7		3380	240	10.2
	3300	260	11.2		3720	250	9.2
	3600	260	11.2		4080	250	10.1
	3910	260	11.2				

Table 12.1 (Continued)

Gas Release No. 45
15 Aug 1956 1658C

Gas Release No. 46
15 Aug 1956 1835C

P (mb)	Z (m)	T (°C)	R.H. (%)	P (mb)	Z (m)	T (°C)	R.H. (%)
940	0	36.5	21	939	0	33.5	24
930		33.6	22	919		33.2	22
900	392	31.0	26	900	379	31.6	26
862		27.8	30	850	888	26.9	31
850	899	26.6	31	842		26.0	37
800	1429	22.0	40	800	1420	22.3	41
700	2569	12.0	59	778		20.4	44
600	3839	2.6	77	700	2564	12.9	62
				687		11.6	65
				656		7.6	63
				600	3834	1.9	71
Winds				Winds			
	Z (m)	ddd (deg)	ff (m/sec)		Z (m)	ddd (deg)	ff (m/sec)
SFC	02	160	4.1	SFC	02	140	4.6
	310	160	7.4		300	140	11.2
	620	160	9.0		600	140	12.7
	980	160	9.2		900	160	12.3
	1300	170	9.5		1210	180	13.5
	1610	190	9.6		1570	190	12.9
	1870	210	8.5		1890	210	12.8
	2180	230	9.5		2210	220	14.0
	2470	230	12.0		2590	230	14.6
	2760	240	12.6		2910	240	14.0
	3020	240	11.3		3240	240	13.6
	3290	240	11.2		3570	250	13.6
	3550	240	13.5		3880	260	13.0
	3800	250	13.5				
	4060	260	13.9				

Table 12.1 (Continued)

Gas Release No. 47
20 Aug 1956 1005C

Gas Release No. 48
21 Aug 1956 0850C

P (mb)	Z (m)	T (°C)	R.H. (%)	P (mb)	Z (m)	T (°C)	R.H. (%)
955	0	19.0	50	947	0	18.8	59
945		16.5	40	930		15.8	63
900	502	13.1	51	900	433	13.5	69
850	979	9.1	63	888		14.5	62
842		8.4	65	850	915	12.3	48
800	1477	4.9	60	849		12.3	48
754		0.9	56	824		10.5	51
729		- 0.4	75	812		10.9	22
706		- 1.8	43	800	1420	11.8	mb
700	2550	- 1.1	39	792		12.3	mb
694		- 0.5	34	756		11.6	mb
666		- 3.1	24	716		8.5	mb
645		- 3.3	mb	700	2532	8.0	mb
600	3768	- 6.5	mb	686		7.7	mb
				610		1.6	mb
				600	3787	0.5	mb
Winds				Winds			
	Z (m)	ddd (deg)	ff (m/sec)		Z (m)	ddd (deg)	ff (m/sec)
SFC	02	250	3.1	SFC	02	180	5.7
	320	230	3.7		330	210	9.0
	690	250	2.5		680	230	10.8
	1050	260	0.8		1030	240	12.3
	1420	010	2.7		1400	250	11.0
	1800	350	2.8		1730	260	9.7
	2150	320	3.9		2050	260	9.0
	2530	320	6.5		2380	290	11.2
	2900	340	8.9		2730	290	14.0
	3270	340	9.5		3050	290	16.0
	3620	340	10.0		3400	290	16.5
	3990	340	11.4		3710	300	16.8
					4030	300	16.0

Table 12.1 (Continued)

Gas Release No. 49
21 Aug 1956 1050C

Gas Release No. 50
21 Aug 1956 1350C

P (mb)	Z (m)	T (°C)	R.H. (%)	P (mb)	Z (m)	T (°C)	R.H. (%)
946	0	23.8	44	943	0	29.0	38
912		17.1	44	937		25.7	40
900	430	16.5	48	900	408	22.3	48
874		14.9	54	895		21.9	49
860		15.3	54	850	901	19.0	40
850	914	14.8	56	826		17.4	35
800	1424	11.2	65	800	1417	14.1	37
796		11.0	66	793		13.3	37
782		9.6	20	764		11.9	20
767		11.8	mb	742		11.9	mb
728		8.8	mb	700	2533	8.8	mb
715		9.8	mb	600	3790	0.9	mb
700	2533	8.6	mb				
608		1.4	mb				
600	3788	0.5	mb				
Winds				Winds			
	Z (m)	ddd (deg)	ff (m/sec)		Z (m)	ddd (deg)	ff (m/sec)
SFC	02	180	5.7	SFC	02	200	5.1
	330	210	7.8		230	200	8.0
	700	230	10.3		480	220	8.0
	1050	250	12.2		700	240	7.6
	1400	260	13.8		950	250	9.7
	1780	260	13.3		1200	270	11.0
	2120	270	13.2		1480	280	11.0
	2480	280	13.2		1750	290	12.0
	2800	290	14.5		2010	300	13.5
	3130	290	15.3		2290	300	15.0
	3480	290	16.5		2590	300	14.8
	3800	290	17.5		2870	300	13.5
					3110	300	16.0
					3320	300	17.5
					3620	300	18.5
					3910	300	17.0

Table 12.1 (Continued)

Gas Release No. 51
21 Aug 1956 1520C

Gas Release No. 52
24 Aug 1956 1105C

P (mb)	Z (m)	T (°C)	R.H. (%)	P (mb)	Z (m)	T (°C)	R.H. (%)
942	0	31.0	33	952	0	25.0	22
932		26.7	36	932		20.7	29
900	403	23.9	41	900	485	18.2	33
850	899	19.4	50	850	971	14.1	39
818		16.4	57	848		13.9	39
800	1417	14.6	60	800	1482	13.3	19
770		11.6	66	793		13.1	50
733		8.3	54	740		8.5	60
722		8.3	22	713		8.9	25
700	2530	7.6	mb	700	2593	7.4	42
695		7.5	mb	688		6.5	30
600	3784	0.8	mb	676		5.5	41
				600	3842	- 2.7	50
Winds				Winds			
	Z (m)	ddd (deg)	ff (m/sec)		Z (m)	ddd (deg)	ff (m/sec)
SFC	02	240	-4.6	SFC	02	140	3.1
	320	240	9.5		400	110	6.1
	680	250	13.0		760	110	5.0
	1010	250	13.5		1100	080	2.8
	1370	260	12.8		1460	340	3.6
	1710	270	10.4		1810	320	5.9
	2050	280	9.5		2190	310	7.2
	2400	290	11.8		2600	310	8.5
	2780	300	12.0		3020	330	8.4
	3080	300	13.2		3400	330	8.1
	3400	300	14.5		3760	330	9.2
	3720	310	15.6				
	4030	310	17.0				

Table 12.1 (Continued)

Gas Release No. 53
24 Aug 1956 1950C

Gas Release No. 54
24 Aug 1956 2150C

P (mb)	Z (m)	T (°C)	R.H. (%)	P (mb)	Z (m)	T (°C)	R.H. (%)
948	0	18.0	44	949	0	20.0	51
940		22.7	41	918		20.8	42
900	450	21.0	35	904		20.0	35
850	941	17.2	42	900	459	19.8	35
825		15.1	45	850	950	17.3	43
800	1455	14.4	42	800	1466	14.6	50
774		13.8	38	772		13.6	32
700	2572	8.0	41	700	2583	8.7	42
686		7.0	42	600	3833	- 2.0	67
600	3822	- 1.4	63				
Winds				Winds			
	Z (m)	ddd (deg)	ff (m/sec)		Z (m)	ddd (deg)	ff (m/sec)
Equipment Failure No Sounding				SFC	02	150	3.1
					380	160	12.5
					730	180	13.2
					1080	190	9.2
					1450	210	4.9
					1760	240	2.0
					2100	270	3.0
					2460	280	5.9
					2800	300	7.3
					3160	310	8.9
					3520	320	10.2
					3900	320	11.6

Table 12.1 (Continued)

Gas Release No. 55
25 Aug 1956 0055C

Gas Release No. 56
25 Aug 1956 0250C

P (mb)	Z (m)	T (°C)	R.H. (%)	P (mb)	Z (m)	T (°C)	R.H. (%)
948	0	17.0	60	948	0	15.0	66
904		20.0	43	900	444	20.0	47
900	446	19.9	43	850	936	19.4	49
862		19.0	48	815		18.8	50
850	938	18.4	49	800	1457	17.2	51
800	1456	15.0	52	761		13.3	56
756		11.9	56	726		10.7	44
710		9.2	41	700	2579	8.2	50
700	2576	8.2	50	600	3829	- 2.1	74
694		7.3	54				
615		- 0.5	70				
600	3825	- 2.1	70				
Winds				Winds			
	Z (m)	ddd (deg)	ff (m/sec)		Z (m)	ddd (deg)	ff (m/sec)
SFC	02	150	8.2	SFC	02	160	6.9
	360	160	14.3		260	170	11.8
	700	180	12.0		560	190	14.6
	1030	200	10.2		1040	200	12.9
	1350	210	9.2		1500	220	8.1
	1680	220	6.0		1900	230	7.5
	1980	230	4.0		2370	240	8.6
	2280	240	4.6		2760	240	8.5
	2600	250	5.8		3190	250	7.9
	2900	260	5.7		3550	270	6.0
	3230	270	7.0		3900	290	6.5
	3600	290	7.7				
	3920	300	7.4				

Table 12.1 (Continued)

Gas Release No. 57
25 Aug 1956 1720C

Gas Release No. 58
25 Aug 1956 1920C

P (mb)	Z (m)	T (°C)	R.H. (%)	P (mb)	Z (m)	T (°C)	R.H. (%)
940	0	34.5	18	939	0	29.2	25
900	390	30.5	22	932		31.5	25
850	897	25.2	30	900	379	29.0	27
800	1425	19.9	39	850	884	25.0	30
784		18.0	42	800	1410	20.6	33
738		15.0	23	762		17.1	36
700	2557	11.1	31	744		15.5	23
600	3819	0.4	50	700	2546	11.3	33
				610		20.0	52
				600	3812	1.0	55
Winds				Winds			
	Z (m)	ddd (deg)	ff (m/sec)		Z (m)	ddd (deg)	ff (m/sec)
SFC	02	200	9.8	SFC	02	180	2.1
	430	200	13.0		360	200	12.8
	870	200	13.0		730	200	14.5
	1250	210	14.0		1110	210	14.6
	1640	210	17.8		1500	220	15.0
	2200	220	17.5		1900	220	15.0
	2650	230	15.8		2280	240	11.9
	3000	240	14.0		2630	240	11.1
	3300	250	10.2		3020	250	10.4
	3620	200	9.0		3350	250	8.5
	3950	270	8.0		3750	260	8.9
					4030	260	9.5

Table 12.1 (Continued)

Gas Release No. 59
25 Aug 1956 2220C

Gas Release No. 60
26 Aug 1956 0020C

P (mb)	Z (m)	T (°C)	R.H. (%)	P (mb)	Z (m)	T (°C)	R.H. (%)
939	0	25.5	38	938	0	25.5	35
913		31.0	23	907		29.1	26
900	378	30.2	24	900	375	29.0	35
855		27.4	24	860		27.4	25
850	886	26.9	25	850	882	26.6	35
800	1417	21.9	32	800	1413	22.0	28
716		12.9	45	784		20.6	29
700	2554	11.3	43	720		14.0	42
648		6.1	37	700	2552	11.8	47
600	3816	0.3	57	600	3818	0.4	72
Winds				Winds			
	Z (m)	ddd (deg)	ff (m/sec)		Z (m)	ddd (deg)	ff (m/sec)
SFC	02	190	2.6	SFC	02	210	6.2
	400	200	15.8		440	220	22.5
	780	210	16.6		850	220	24.1
	1170	210	15.3		1200	220	19.2
	1570	220	15.0		1520	220	21.8
	1960	230	14.0		1850	220	14.2
	2350	240	11.3		2270	220	15.3
	2730	240	11.0		2750	220	11.2
	3160	240	10.8		3150	210	7.9
	3600	250	8.0		3490	210	8.1
	4000	260	6.6		3850	200	9.0

Table 12.1 (Continued)

Gas Release No. 61
27 Aug 1956 1650C

Gas Release No. 62
27 Aug 1956 135 °C

P (mb)	Z (m)	T (°C)	R.H. (%)	P (mb)	Z (m)	T (°C)	R.H. (%)
934	0	31.8	26	934	0	29.0	37
916		28.0	30	924		28.0	30
900	330	26.0	30	900	329	26.9	30
888		24.5	30	869		25.4	30
874		26.2	27	850	831	23.9	32
850	832	24.3	29	800	1357	19.6	38
800	1358	20.2	32	744		14.5	43
735		14.4	39	700	2488	10.3	54
700	2492	10.9	47	635		3.8	71
634		3.8	62	600	3749	0.2	75
600	3754	- 0.1	62				
Winds				Winds			
	Z (m)	ddd (deg)	ff (m/sec)		Z (m)	ddd (deg)	ff (m/sec)
SFC	02	180	5.7	SFC	02	180	1.6
	317	200	9.7		280	210	6.5
	660	210	11.8		550	200	4.2
	990	220	8.0		800	200	3.0
	1290	220	7.0		1050	210	4.4
	1600	210	8.7		1250	220	5.6
	1900	210	8.4		1500	230	5.6
	2180	210	9.0		1730	220	5.9
	2490	220	9.2		1950	220	8.0
	2800	220	7.3		2200	220	9.5
	3070	230	7.5		2500	220	10.5
	3370	230	8.6		2800	230	12.0
	3650	230	9.7		3090	230	11.2
	3950	240	10.5		3350	230	11.7
					3700	230	12.0
					4000	220	10.5

Table 12.1 (Continued)

Gas Release No. 63
27 Aug 1956 1950C

Gas Release No. 64
27 Aug 1956 2220C

P (mb)	Z (m)	T (°C)	R.H. (%)	P (mb)	Z (m)	T (°C)	R.H. (%)
931	0	24.5	47	932	0	19.6	67
923		30.7	34	921		29.1	40
900	302	29.0	34	900	309	29.6	30
853		25.4	34	894		29.7	28
850	807	25.1	34	858		27.3	28
800	1335	21.3	32	850	816	26.6	28
773		19.1	31	800	1346	22.0	29
700	2473	11.8	34	742		16.5	29
654		6.9	36	700	2484	11.9	35
600	3739	1.1	45	600	3747	6.0	41
Winds				Winds			
	Z (m)	ddd (deg)	ff (m/sec)		Z (m)	ddd (deg)	ff (m/sec)
SFC	02	240	1.0	SFC	02	Calm	
	230	230	3.4		360	230	3.0
	480	220	5.0		720	230	4.6
	720	210	6.1		1080	230	6.6
	990	210	7.7		1460	230	8.0
	1290	210	6.0		1780	230	7.7
	1520	210	3.7		2110	240	5.8
	1810	210	3.5		2450	240	5.3
	2100	210	3.2		2790	240	4.4
	2370	220	3.5		3100	240	3.3
	2660	220	3.5		3490	240	4.6
	2940	230	2.4		3880	230	5.8
	3200	240	1.8				
	3450	260	2.5				
	3680	280	3.8				
	3970	280	4.0				

Table 12.1 (Continued)

Gas Release No. 65
29 Aug 1956 1920C

Gas Release No. 66
29 Aug 1956 2120C

P (mb)	Z (m)	T (°C)	R.H. (%)	P (mb)	Z (m)	T (°C)	R.H. (%)
933	0	26.5	28	933	0	21.0	42
900	315	24.9	32	916		25.6	37
850	812	19.9	40	900	316	24.9	33
800	1331	15.8	50	850	814	22.1	23
786		14.4	52	848		22.0	23
700	2447	7.1	42	800	1336	18.0	23
658		3.4	39	750		13.4	34
600	3696	- 1.2	24	700	2460	8.4	46
				650		3.0	58
				600	3711	- 2.0	56
Winds				Winds			
	Z (m)	ddd (deg)	ff (m/sec)		Z (m)	ddd (deg)	ff (m/sec)
SFC	02	180	3.1	SFC	02	180	3.6
	360	180	11.8		380	180	15.3
	700	180	13.6		750	190	17.4
	1080	190	13.0		1100	200	14.5
	1440	200	11.0		1420	220	14.1
	1830	220	10.6		1800	220	13.9
	2200	240	11.0		2150	230	10.2
	2530	250	11.5		2460	250	9.1
	2900	260	11.2		2750	250	9.6
	3220	260	12.2		3130	260	12.0
	3580	270	12.2		3520	260	14.1
	3900	270	10.0		3920	270	15.0

Table 12.1 (Continued)

Gas Release No. 67
30 Aug 1956 0020C

Gas Release No. 68
30 Aug 1956 0220C

P (mb)	Z (m)	T (°C)	R.H. (%)	P (mb)	Z (m)	T (°C)	R.H. (%)
932	0	21.0	47	931	0	21.0	45
911		24.6	37	916		24.2	40
900	304	23.8	40	900	295	23.6	37
876		21.9	45	850	791	21.3	30
850	801	21.1	34	830		20.4	27
830		20.5	24	800	1312	17.7	30
800	1323	17.8	30	700	2434	8.0	43
700	2444	7.9	46	672		5.2	47
686		6.4	49	635		2.2	43
600	3687	- 2.4	59	600	3685	- 1.8	50
Winds				Winds			
	Z (m)	ddd (deg)	ff (m/sec)		Z (m)	ddd (deg)	ff (m/sec)
SFC	02	180	3.1	SFC	02	180	4.6
	380	190	16.0		400	210	14.6
	730	200	16.5		800	220	15.3
	1030	210	16.8		1160	220	13.8
	1320	220	17.3		1530	210	13.8
	1680	220	16.4		1920	210	12.7
	2000	220	13.6		2290	200	10.2
	2300	210	13.0		2640	200	9.7
	2620	210	11.0		3020	210	7.7
	2950	230	7.0		3380	240	6.4
	3230	260	5.0		3770	260	8.3
	3530	250	6.0				
	3900	260	7.3				