

Figure 1. Comparison Between the ADMS and NRPB R91 Models of Basic Rates of Dispersion for a Neutrally Buoyant Plume Dispensing in Unstable, Neutral and Stable Atmospheres. From Jones et al (1995)

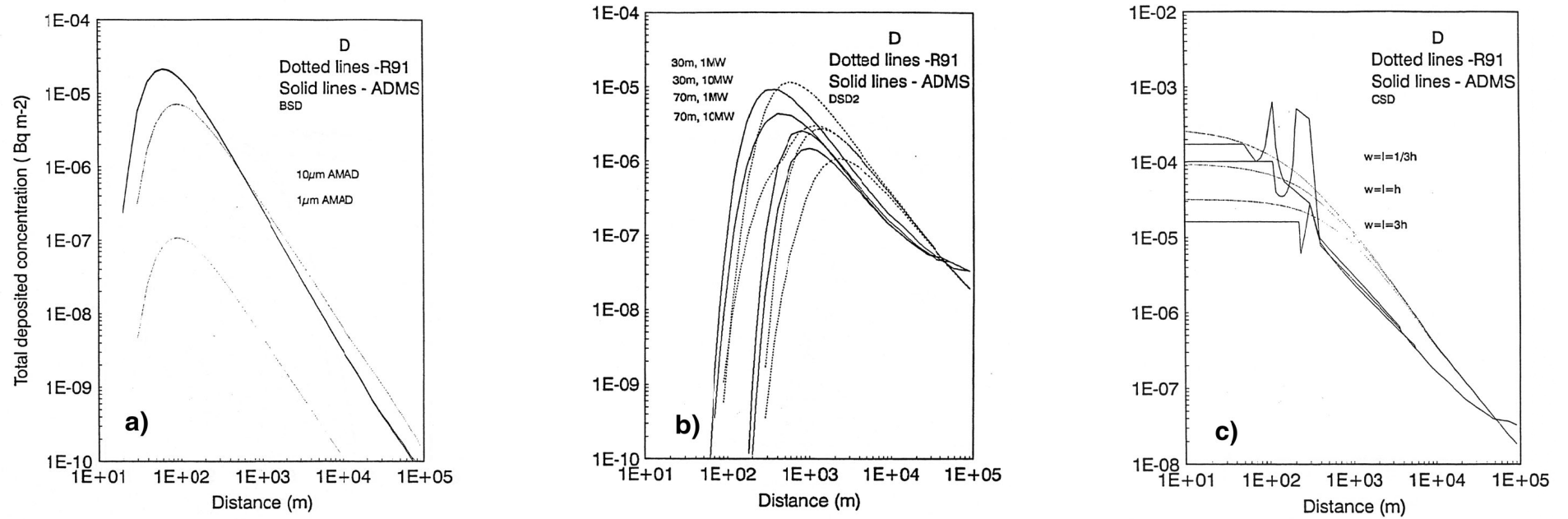


Figure 2. Comparison Between the ADMS and NRPB R91 Models of :

a) Particle Deposition.

b) The Effects of Plume Rise.

c) The Effects of Building Entrainment.

10m High Stack, Neutrally Stable Atmosphere.

From Jones et al (1995).

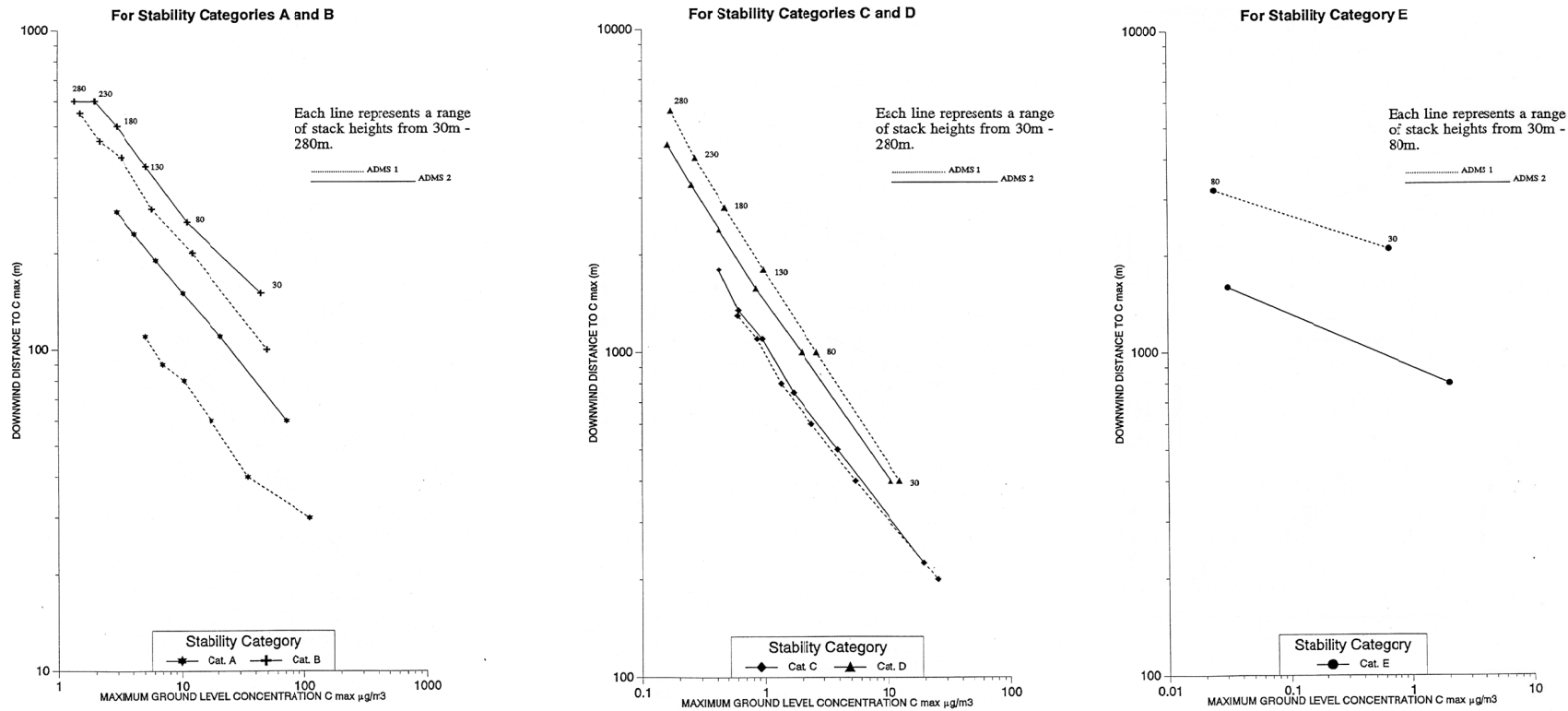


Figure 3. Effect of Stack height on the Value and Position of the Maximum Concentration from the ADMS 1.06 Model for two Choices of Meteorological Data Matching with Pasquill/Gifford Categories. From Bugg(1995).

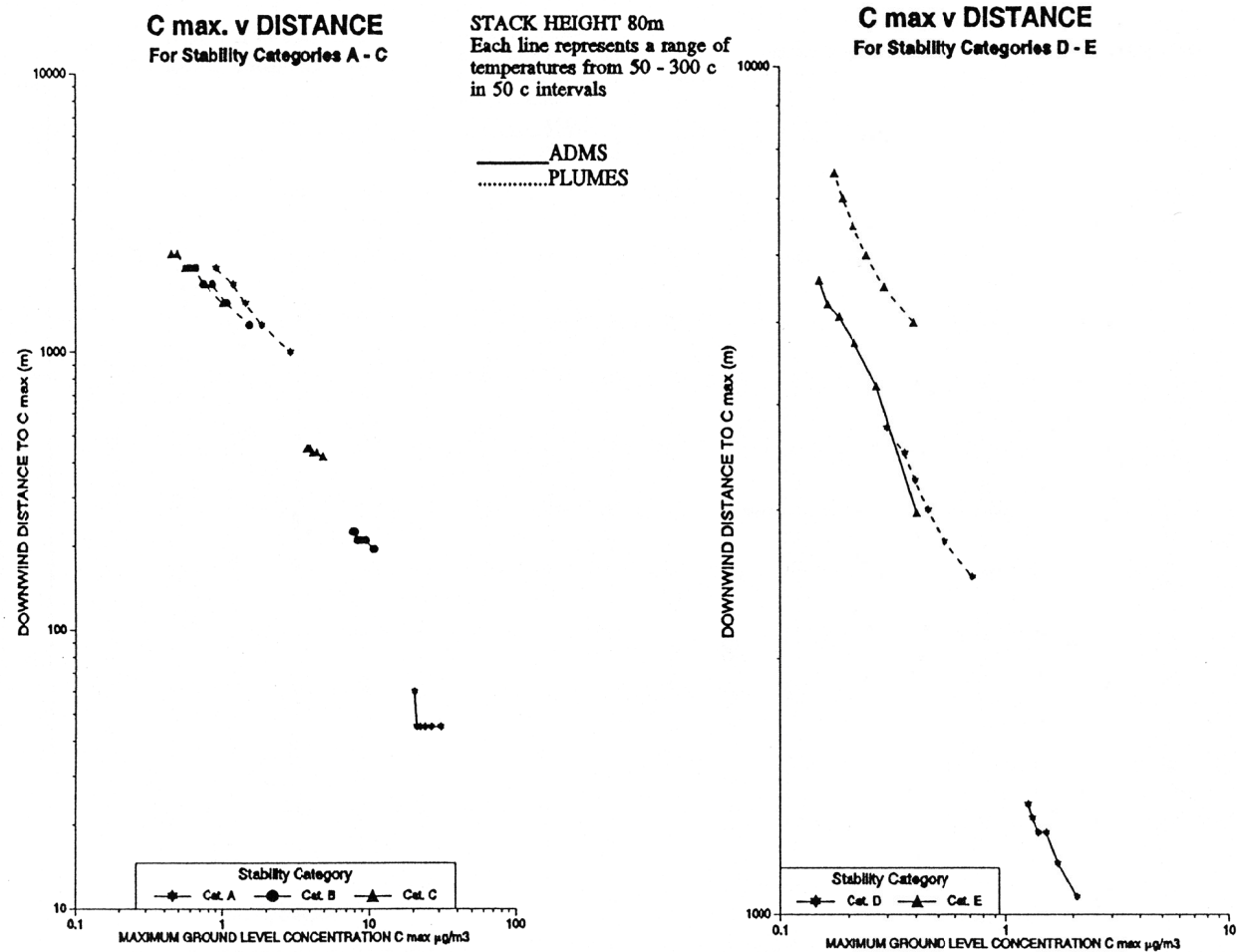
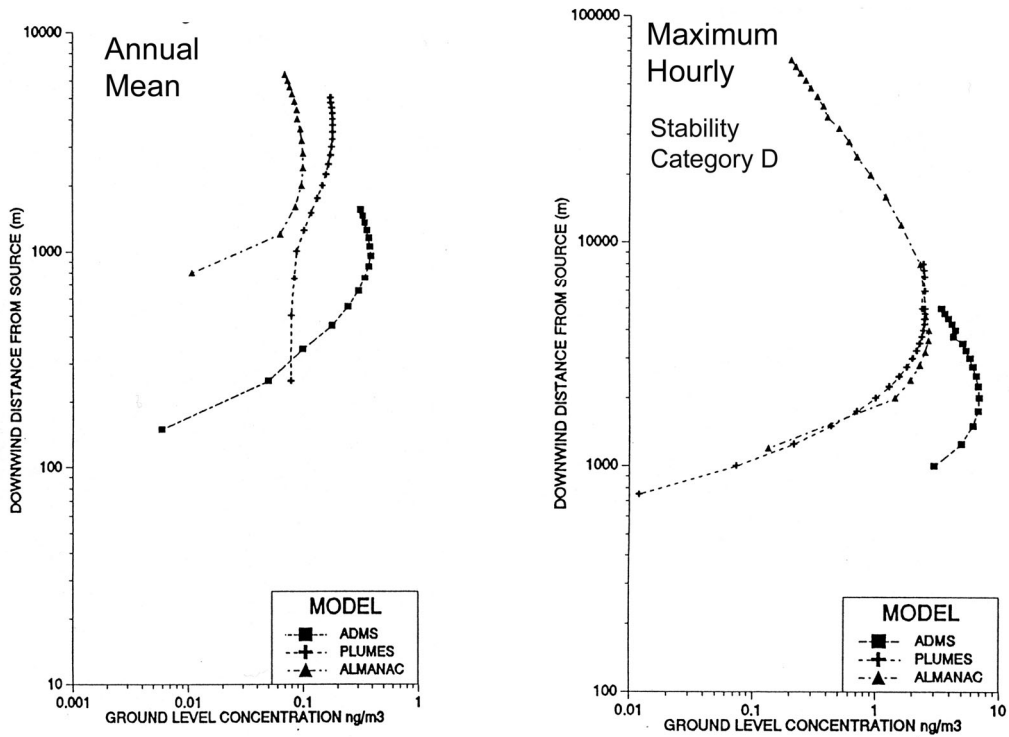


Figure 4. Comparison Between ADMS 1.06 and PLUMES Model. Maximum Concentrations and Distance from Source. From Bugg(1995).

CASE STUDY No. 1
Stack height 91 m 9.3 MW



CASE STUDY No. 6
Stack height 198 m 210 MW

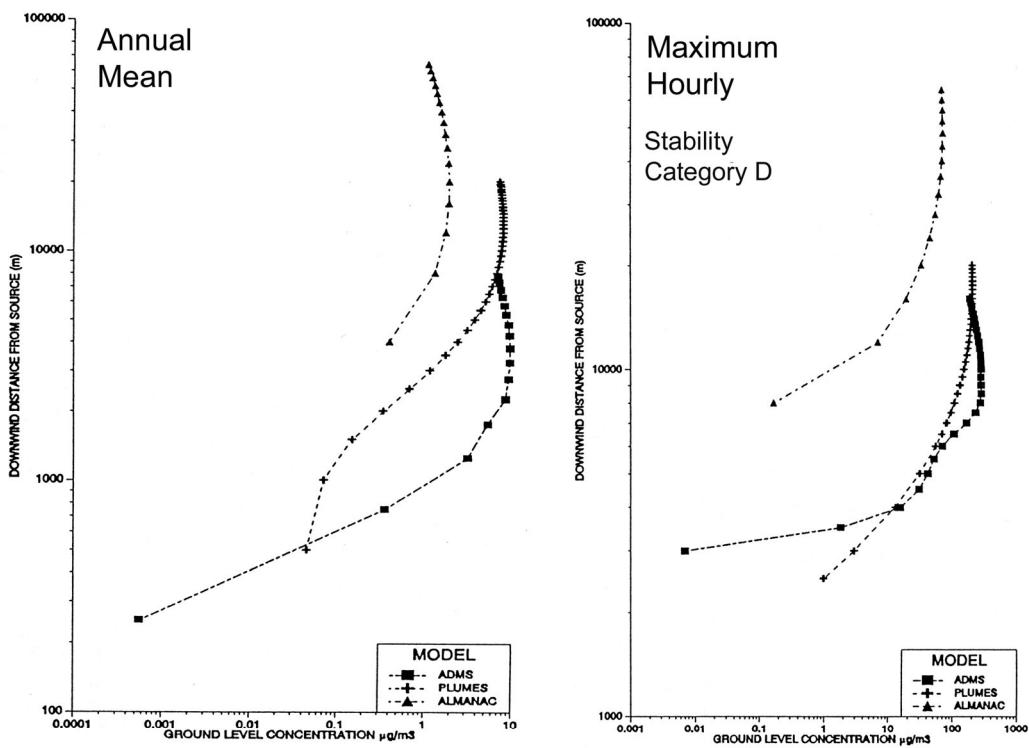


Figure 5. Comparison Between ADMS 1.06, PLUMES and ALMANAC Models. Ground Level Concentration Against Downwind Distance for Two Tall Stacks with Buoyant Discharges. From Bugg (1995).

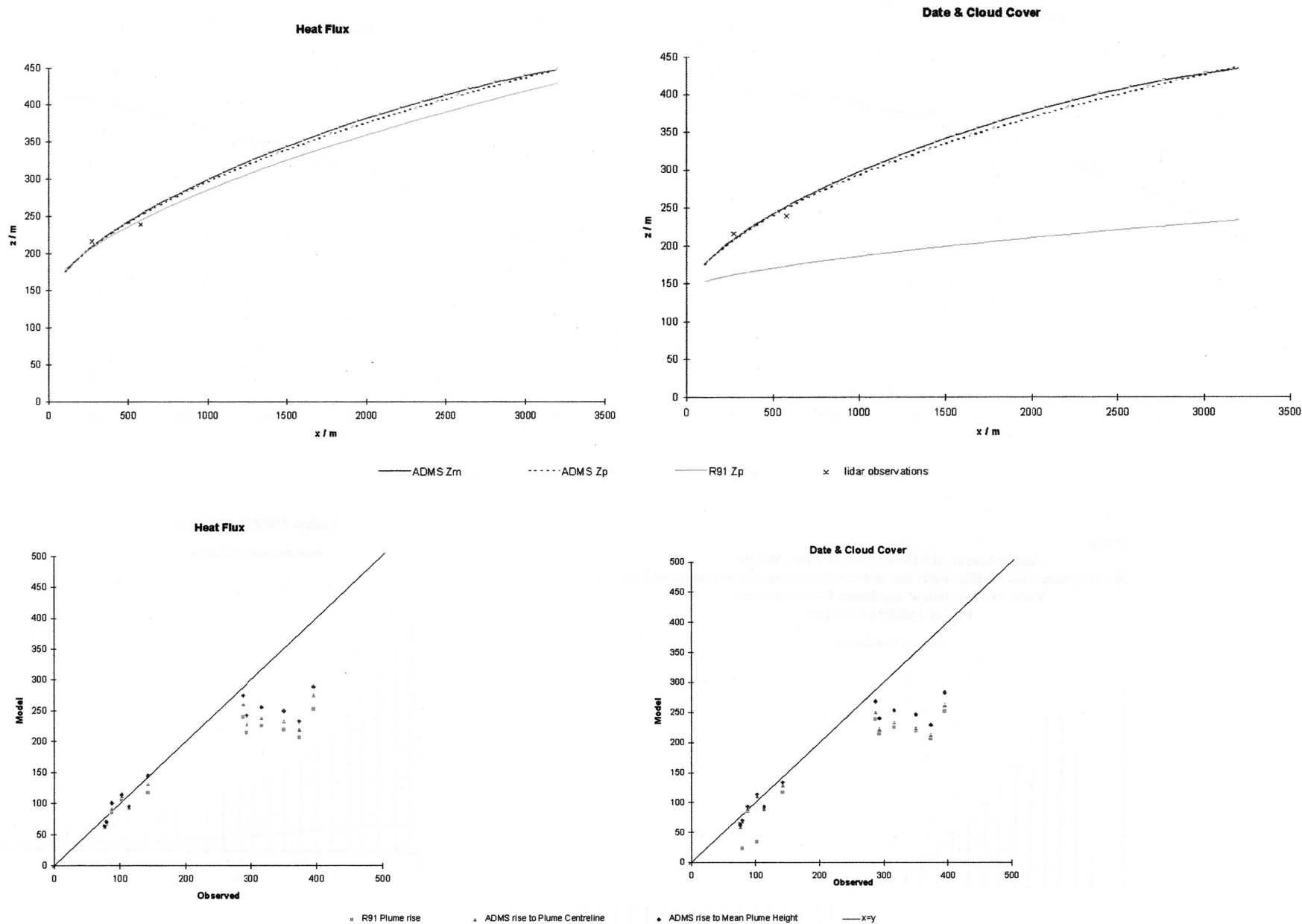


Figure 6. Comparison Between ADMS and R91 Model Predictions of Plume Rise and (Limited) LIDAR Data. From Test Case R6 of Carruthers et al(1996).