King Air Flight 1 20041207
MISSION REPORT
Flight Scientist: Vali

1730 Climb to 4000 ft toward 020/60, same area as C130 working.

1754-1758 Descend to 3000'. Moderate cloud development. Tallest ones to about 6000'; drizzle on the windshield.

1758 UD (up-down) radar - good image. 90/270 to return, cld weaker.

1802 Radar temp too high. Shut down. Aircraft air conditioner now working.

1815 Data system lock-up; trying to restart, etc.

1839 Still no data system. Decide to abort

1845 Land.

SUMMARY: Brief period of cloud sampling produced usable data, including radar images. Early stage of drizzle/rain development, from clouds with 200-300 cm-3 cloud droplets, 2-km horizontal size, cloud depths of .(to be added)....m, and 3 m/s updraft.