

9/22/2005

J-31

left Ponca City around 9 CDT. Did three spirals over SGP. First one with Cirrus, 2 others free of clouds. Limited lowest altitude to 1000 ft agl due to weight of aircraft. This resulted in 50 min of research flight.

Forgot to mention in previous reports that all spirals done with Cirrus still will yield water vapor from AATS-14 which can be compared to J-31 Vaisala sensor, Raman Lidar, Radio Sondes a.s.o.

Refueled at Four Corners Regional Airport

Arrived in Moffett Field ~15 PDT.

Used all but 22 min of the available Research Flight Hours (see attached).

Raman Lidar

Was operational during overflight

C206

Plan was to send out after we finished spirals over site. Chuck Greenwood please confirm.