

## **Feb. 9, 2005 – Transit to Dryden, Boulder ozonesonde, MLS run**

### **Flight plan:**

On the transit to Dryden, we will coordinate with an ozonesonde launch from Boulder, Colorado. A short run along the MLS track in California is also included.

The estimated duration is 7:00.

### **Report:**

Takeoff was approximately on time (15:17 UT). DLH was non-functional for the flight. As we approached Boulder, the isolated boundary-layer cumulus cleared out leaving entirely clear skies for the sonde comparison. We were well within the stratosphere at cruise altitude throughout the flight. Throughout the MLS run we had cirrus below the aircraft wiping out the DIAL nadir ozone retrieval.

### **Instrument status:**

- AROTAL: McGee–good flight, got good data in spite of low solar zenith angles
- DIAL: Browell–good flight
- FTS: Coffey–no sun run
- CAFS: Shetter–worked fine, lots of sunlight
- MTP: Mahoney–good flight
- ASUR: Notholt–worked well
- nadir CO<sub>2</sub>: Heaps–good flight
- FastOz: Avery–good flight
- DACOM: Diskin–good flight. lots of structure
- DLH: Diskin–didn't work
- SAGA: Dibb–worked well
- BNOD: Cohen–good flight
- ICATS: Hang–no problems
- COBALT: Podolske–few issues at beginning, otherwise worked fine