

DMIMS06: 20060602a

Flight 7

Flight notes: System Scientist (3rd seat)

Crew:

Pilot: Kevin Fagerstrom
Flt Scientist: Tom Parish
System Scientist: Jeff French
4th Seat: Jeff Snider

Pre-flight:

Plan on trying to intercept a line well to the east for a cloudSAT overpass. Line is oriented N-S and located east of Redding over northern Sierra Nevada.

Mist/lite rain on ground at Arcata, decide to do leak test in hangar and pull out under power.

Wx: mist/overcast low clouds, winds: 180@08 kts, T=16/Td=15C

Flight:

Wheels up 1956 UTC (all times hereafter are in UTC)
2000: climbing to 23000 (ferry altitude)
2001: **radar file** 20-01-23 wide pulse, working OK
2003: down looking beam doesn't look right, quit recording for a bit
2005: **radar file** 20-0-37 try again with wide pulse
2008: down looking beam goes bad again, stop the file
2011: **radar file** 20-11-42, back to one of the 'standard' dmims modes and increased the range gates for extended range (at cost of reducing averages)
2035: well defined waves in vertical velocity, w +/- 2-3 m/s
2036: thin cirrus above us, but clouds well out of range of radar
2041: on line, headed north
2041: **radar file** 20-41-56 up/dual down, 200 gates
2048: **radar file** 20-48-56 up/dual down, 150 gates
2050: penetration of fairly large Cb
2051: radar heavily attenuated in Cb
2103: **radar file** 21-03-13 up/dual down, 100 gates
2112: decide to work this area for satellite overpass
2114: 90-270, head south line, ascend to 14000 ft
2120: set pointer
2126: 90-270, back north on line
2126: **radarfile** 21-26-44 up/dual down
2128: on track, headed north
2132: over pointer
2136: 90-270, set up to do one more leg
2139: on track, headed south
214430: at point

2150: RTB

2151: **radar file** 21-51-10

2210: **radar file** 22-10-02

2310: wheels down

Post-flight/impressions

Good flight, managed to intercept line for cloud sat, PVM look hosed right at landing.