

Flight and Debrief Notes

JF

Project: ACME07

Flight: IOP 3, Flt 8; Research Flight 16

File: 20070808a

Crew:

D. Cooksey

T. Campos

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Preflight:

Part one of a three part flight experiment. Sample upwind air over western CO, southeastern Utah, and northeastern AZ.

1045 preflight for 1245 takeoff, expect ~4 hour flight.

Wx: 1837Z, winds: 280/13G19 kts, T25/Td-01 C, SCT110 (fair wx cu)

On data system startup Analog1 failed, Don Lukens pulled panel and hit reset switch on card.

Flight:

(times GMT)

1846 wheels up

1850 climb to 175 for complete BL sample

1855 at 175 very near top of BL (BL characterized by dry adiabatic fr/ sfc to 170-175, moisture well mixed fr/ sfc to 170, sct fair wx cu from ~164 to 180)

1856 back at 165 for enroute to Blanding, just under cld base

1903 pick up IFR to Blanding to get on top of clds, slowly climbing to 200

1914 level at 200

2005 begin descent towards Blanding

201815 low pass Blanding, climb enroute to Kayenta

2028 at 175 descend to 165 to complete enroute

203130 begin descent into Kayenta

204145 low pass Kayenta, climb to 175 enroute to Halls Crossing

2051 at 175, descend towards Halls Crossing

2059 low pass at Halls Crossing, climb enroute to Canyonlands

2109 at 175, descend to 165 for cruise

2117 begin descent to Canyonlands

212630 low pass at Canyonlands, climb enroute to Grand Junction

2135 at 175 begin descent to Grand Junction

2147 low pass Grand Junction, climb towards Montrose

2157 at 175, descend to Montrose

2204 low pass at Montrose climb back towards LAR

2210 pick up IFR, continue climb to 230

2219 level at 230

2245 begin descent towards LAR

2256 wheels dn

Postflight:

UNEVENTFUL

Debrief:

No issues with flight

Problem with Analog1 on startup, on first failure, Lukens removed panel and reset card