

AVE_June2005 Flight Summary

11 June 2005

General Information

Flight date – 11 June 2005

Flight description – Flight 2 AVE mission

Flight duration – 5.0 hours

Crew – Scott Reagan, Dom Del Rosso x49113

Instruments flown (17): ACAM, Argus, CAFS, CPL, CIMS, FCAS, Harvard Water Vapor, JLH, MACS, MMS, MTP, NMASS, NOAA Ozone, PANTHER, PT, S-HIS, WAS

Instruments not flown: IRIS

Flight Log

MMS On	10:37	Takeoff	11:06	Begin Descent	15:18
Before Taxi	10:56	Climb/5000	11:08	Landing	16:00 (~)

Gear extension/retractions

Gear Up	11:06	15:38				
Gear Down	15:35	15:54				

Weather Observations

Climb-Out:

- On climb-out, we passed through a thin cumulus layer at 3,500 ft

Cruise:

- Majority of route was dominated by the Tropical Storm Arlene system

Descent:

- No clouds we obviously penetrated on decent. Scattered below 10,000 ft.

Flight Profile

We flew east to the Atlantic along the prescribed route. Turned north along satellite track, then back to the west along prescribed route.

A descent to FL410 was accomplished west of waypoint 7. Arrived at FL410 for one minute at waypoint 8. The box and S-turn maneuvers were performed at the end of the flight within 150 nm of EFD.

Instrument Notes

- CAFS Upper fail light did not extinguish after nearly 30 minutes. First attempt to reset was successful.
- The MTP display failed at about 12:51 pm. Display recovered at 13:14.
- Scanning HIS indicated fail at 13:59 in the decent to FL410, with spoilers out. Repeated attempts to recover at FL410 and when max altitude was regained were unsuccessful.
- MTP display indicated a "bad file or number" dialog box at 14:26. Later the display appeared to severely dim rather than complete loss of signal.
- The WAS 1 was initiated at 11:36 @ FL180.
- The Harvard Water Vapor light came on at 9,800 ft on descent. The CIMS fail light came on at 4,500 ft on descent.

To ftp for the nav data:

IP address 128.157.138.64

Username: anonymous@wb57f.asds.net

Password: <any email address>

The directory is: WB57F_Processed/AVEJUN05