

General Information

Flight date – 29 JAN 04

Flight description – Flight #6, Pre-AVE mission

Flight Duration – 4.7 hours.

Crew – Bill Ehrenstrom and Brian Barnett

Flight Log

Before Taxi	16:13:52
Take off	16 :26 :38
Landing	20 :57

Gear extension/retractions

Gear Up	16 :26
Gear Down	20:47

Weather Observations

- No visible clouds were penetrated until on descent. A dense, wet cumulus cloud was flown through at FL 100, 20:48.
- No storm build-up of any type was noted.

Flight Profile

- Started toward western point on equator. Climbed up to and reached FL 580 at 17:04. OAT = 193 K.
- Started descent to FL 460 at 17:34. We arrived at FL 460 at 17:39. OAT = 203 K.
- Started climb to FL 580 at 18:07. Arrived at FL 580 at 18:22 and turned to the eastern point on the equator.
- Flew along equator at FL 580. Turned north to MROC at 19:02.
- Flew north leg at FL 580 until 19:40, then started to descend to FL 460.
- Arrived FL 460 at 19:45.
- Could not go high due to autopilot problem. Finished leg at FL and started final descent at 20:20.

Instrument Failures/Notes/Times

- CAPS failed at 16:29. I observed a flashing fail light for 1.5 seconds, and then a continuous fail. The fail light went out w/o intervention at 16:30.
- Once airborne, no CAPS display was noted. CAPS OFF – 16:38:45, CAPS ON – 16:39:35. Display working.
- MACS failed 18:30. MACS OFF – 18:13:57, MACS ON – 18:14:20
- MACS failed 18:26. MACS OFF – 18:26:45, MACS ON – 18:28:00
- MACS failed 18:39. MACS OFF – 18:40:30, MACS ON – 18:40:55
- MACS failed 18:53. Left on.
- CAPS fail light on for < 20 seconds. No flashing. Fail light off w/o intervention.
- ALIAS failed 20:32. ALIAS OFF – 20:32:50, ALIAS ON – 20:33:05
- ALIAS failed 20:35. ALIAS OFF – 20:35:30, ALIAS ON – 20:35:42
- ALIAS failed 20:37:41. ALIAS OFF – 20:38:00, ALIAS ON – 20:38:15 and worked the rest of flight.
- CIMS fail light came on at 20:52, as expected for automatic shutdown (FL 050).