

## **General Information**

Flight date – 21 JAN 04

Flight description – Flight #3 (2<sup>nd</sup> Data Flight), Pre-AVE mission

Flight Duration – 5.7 hours.

Crew – Steve Feaster and Brian Barnett

## **Flight Log**

<b>Before Taxi</b>	18:05:50
<b>Take off</b>	18 :17 :21
<b>Landing</b>	~23 :47

## **Gear extension/retractions**

<b>Gear Up</b>	18 :17
<b>Gear Down</b>	23:42

## **Weather Observations**

- First cloud encounter was at FL 370, 18:56-19:00, CAPS display ~6-60 conc. Thin/light cirrus.
- Second cloud encounter was at FL 370, 19:11. CAPS much higher (several hundred), thin/light cirrus.
- Contrails were hanging around for a very long time at some altitudes below FL 500

## **Flight Profile**

- Started heading North after takeoff at FL 370. Reached North point at 20:20. We were slightly vectored for traffic at 19:34.
- Started South leg at 20:20 and climbed up to max altitude.
- Max sustained altitude was FL 615. Reached southern point at 22:26. Made a descending turn to head North.
- Flew another northern leg at FL 500, leveling off at 22:36, and then descended to EFD at 23:12.
- Light turbulence at FL 500, 22:46.

## **Instrument Failures/Notes/Times**

- ALIAS failed immediately after start-up. Restarting was delayed until after takeoff due to cockpit workload.
- ALIAS OFF – 18:26, ON – 18:26, and functioned without fail the remainder of the flight.
- VIPS failed immediately after start-up. Restarting was delayed until after takeoff due to cockpit workload.
- VIPS OFF – 18:26, ON – 18:27. The fail light went out at 18:30:55.
- WAS #1 was turned on at FL 350 due to ATC delay in giving us FL 370 ( I didn't want you to miss that much time over 2000').
- WAS #2 – ON, FL 300, 23:25
- MACS failures: OFF – 19:36:50, ON – 19:37:30, OFF – 19:45, ON – 19:46, OFF – 19:53, ON – 19:53, OFF – 20:01, ON – 20:01, OFF – 20:08, ON – 20:08, OFF – 20:15, ON – 20:16:22, OFF – 20:24, ON – 20:28, OFF – 22:02, ON – 22:03. ( I have the seconds if you need it).
- CIMS fail (FL 520) very close to 20:39:30. OFF – 20:40:15, ON – 20:45:15 .