

Flight Summary MACPEX 5 Apr 2011

General Information

Flight date- 5 Apr 2011

Flight duration - 3.3 hours

Crew – Rick Hull, John Bain

Instruments flown: 2DS,CPI,FCAS, FCDP, FISH,HARHAL,HARWV, HVPS, JLH, MMS, O3, O3LITE, PALMS, SID3, SP2,VIPS

Flight Log

Engine Start	10:38 am	Takeoff	10:53 am	Approach	13:56 pm
Data Rec On	10:41 am	Begin Descent	13:21 pm	Landing	14:05 pm

Gear extension/retractions

Gear Up	10:53 am						
Gear Down	14:01 pm						

Weather Observations

Weather at take off was severe clear temperature 17 deg C. We saw one small cirrus cloud over the Gulf during climb out (11:19 am, ~30K ft.) too far to go to. The sky remained very clear for the remainder of the flight.

Flight Profile

We flew southwest over the Gulf on the 206 deg radial of the EFD VOR for 200 nm climbing in stair step fashion leveling at 5K, 10K, 15K, 23K, 25K, 30K, 35K, 40K, and 45K ft. We performed the MMS maneuvers at 45K ft just prior to turning back NE on the 206 radial. We then stair step climbed leveling at 49K, and 53K. We remained within 50nmiles of EFD while climbing to reach a max altitude of 58.5Kft. We then descended to 55K and performed three plum maneuvers over EFD. We RTB at 13:20.

Instrument Notes

- HARWV fail light at 12:13 pm (56Kft) reset on first attempt on more fail lights until descent.
- The SID3 Remote terminal encountered an error and dropped out at 12:31pm. Re-established by 12:36 pm.
- PALMS priority sw was turned on at 55K at 13:21 when the descent to RTB was begun.
- HARHAL fail light on at 10K ft in descent 13:48. No action taken.

Aircraft Notes

- The KVM keyboard did not work on primary (port 1) at 12:30 pm when attempting to re establish the SID3 remote terminal connection. The backup (port 2) worked. The mouse was operational on both ports and the video was not affected.