

Flight Summary MACPEX 3 APR 2011

General Information

Flight date- 3 APR 2011

Flight duration – 5.3 hours

Crew – RKE/DOM

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

12:07 **Takeoff** 17:14 **Land**

Flight Log

Engine

Start 1153

Data Rec 1156 **Begin** 1619 **Landing** 1714

On **Descent**

Gear extension/retractions

Gear Up 1207

Gear Down 1703 (2,000ft)

Weather Observations Ascended through cloud deck approximately 1000 foot at 3,000ft

Clear air in route.

Solid under cast and deck until within 60 nm of ARM site.

Proceeded with flight pattern one time in mostly clear air except for about 40 nm

Spiraled up over clear site, about 7 nm west of center point.

Entered mid level could cover for most of the transit from IFI to TUL.

Flight Profile

Transit to range uneventful. Transit at FL530 with slow decent to initial point.

Descended into IP at FL350

Diverted, per science direction, to line between IFI and TUL before RTB at FL570 with stair descents at FL530, FL510, FL370.

MMS maneuvers during staged decent.

Instrument Notes

NMASS fail on initial start up. Action per checklist; reset 3X.

Held for remainder of flight

HARVWV fail light at 1334. Action per check list; reset without incident 1X. Fail on on decent about 5,000 ft