

PMD-PMD

On-time takeoff 16:06:04

Clear on takeoff and enroute to PIRAT. Cloudy layer at first dip. Hold at 1000 ft. Opening for 500 ft. Possibly in BL. Sees "Dog-dish" shape in lower trop. Plenty of old Asian pollution evident in CO and other pollution tracers. Short encounter with stratospheric air, O3 = 180 ppb and N2O = 300* ppbv. Low level leg in Arctic ocean limited to 2000 ft due to ATC clearance. Clean BL. Free trop above has higher concentrations of pollution tracers. Missed approach Barrow, 34 ft. Stratospheric air on Southbound leg NW of Fairbanks at FL390. O3 - 280 ppbv, CO = 40 ppbv, H2O 10 ppm.

Landing

Debrief

NOy

DLH

Picarro

QCLS

SAGA

Panther

A02

GT-CIMS

NOAA CIMS

WAS

MMS

TOGA possible minor issue

AMP Good

CAPS one small issue. No impact on data

PALMS 405 nm laser failed. NO data for flight.

ATHOS

ISAF

SP2

HRAMS

CITCIMS

