POSIDON
weather briefing
2016-10-17
(next flight: 2016-10-18, Tue)
current IR satellite imagery
10/17, 9am LT

• Typhoon Haima moving W away from Guam
• currently, last rain band over Guam
• trade wind pattern returns Tue evening
Soundings: 10/16, 10pm LT

Tropopause height and T

Guam

- 83.5 mb (~56.8 kft)
- -81.9C (~191K)

Yap

- 98.3 mb (~53.4 kft)
- -88.1C (~185K)

Palau

- 105 mb (~49.8 kft)
- -85.3C (~188K)
ECMWF forecast: precip (color) & surface winds

Tue 6pm

Wed 6pm

Thu 6pm

Fri 6pm
Summary

• Typhoon Haima moving away from Guam

• trade-wind pattern (with isolated T-storms) returns Tue evening through weekend

• Good takeoff & landings conditions at Guam this week (Tue, Wed, Fri)

• generally, isolated showers & thunderstorms, E 5-10 knot winds

• TAF (ending at 10/18 10am) indicates Tue takeoff winds SE 13 knots — should still be OK for flying
COSMIC, CALIPSO cirrus and ECMWF CPT for the past 3 days

10/13

10/14

10/15

Just half of the calipso data were available for 10/15 when the plot was done.
10/18 (Tue) flight plan

NCEP GFS Temperature Tropopause and Wind Flags + Temp on Trop
Init: 2016101612  Valid: 2016101900
Mark’s cloud forecast
Tue 10/18, 10am