**Planned Ship Route & Forecast**

**Wednesday, 5/25 transit to S5**
- Waves: W 4-7 ft
- Winds: Light + variable
- Clouds: Broken low, scattered high
- Precip: None

**Thursday, 5/26 S5 Ops**
- Waves: W bcmg E 4-7 ft
- Winds: Light + variable
- Clouds: Overcast low, scattered mid and high
- Precip: Chance of scattered showers

**Friday, 5/27 transit to S6**
- Waves: E 5-7 ft
- Winds: Variable, 5-15 kts
- Clouds: Overcast bcmg broken
- Precip: Rain

**Saturday, 5/28 S6 Ops**
- Waves: E bcmg N 5-7 ft, increasing to 9 ft
- Winds: N 10-20 kts
- Clouds: Broken low, scattered mid, clear bcmg broken high
- Precip: Scattered showers

**Sunday, 5/29 transit to S7**
- Waves: NNE 5-9 ft
- Winds: NW bcmg SW 5-15 kts
- Clouds: Broken low, overcast high
- Precip: Broken low, overcast high

**Monday, 5/29 S7 Ops**
- Waves: Variable 10-15 ft
- Winds: W 15-25 kts
- Clouds: Broken low, scattered mid
- Precip: Heavy rain in the morning, rain later
Forecast Summary

Day 1 (Wednesday) – May 25
Recommendation: Ship in transit to S5, Potential Fly Day
St. John’s: A steady rain in the morning. Showers continuing in the afternoon. High 63F. Winds SSW at 10 to 20 mph. Chance of rain 80%.

Day 2 (Thursday) – May 26
Recommendation: Ship at S5, Not a great flight day
St. John’s: Rain. High 52F. Winds NNW at 10 to 15 mph. Chance of rain 80%. Rainfall near a quarter of an inch.

Day 3 (Friday) – May 27
Recommendation: Ship in transit to S6, Fly
St. John’s: Decreasing cloudiness and windy. High 44F. Winds NNE at 20 to 30 mph.

Day 4 (Saturday) – May 28
Recommendation: Ship at S6, Fly
St. John’s: Mostly cloudy skies. High near 50F. Winds SE at 10 to 15 mph.

Day 5 (Sunday) – May 29
Recommendation: Ship in transit to S7, Fly

Day 6 (Monday) – May 30
Recommendation: Ship at S7, Fly
St. John’s: Mostly cloudy and windy. High 43F. Winds N at 25 to 35 mph.

CALIPSO tracks through domain on 25th, 27th, and 30th.
Wednesday Flight Plan

SLA Overlay

18z Cloud Overlay
North Atlantic Oscillation

NAO: Observed & ENSM forecasts

500mb Z (Obs: 25Jan2016 – 23May2016)  NAO index
mean=0.4092

500mb Z (7day Forecast)  NAO index
mean=0.2963  cor(w/obs)=0.9173

500mb Z (10day Forecast)  NAO index
mean=0.2727  cor(w/obs)=0.7216

500mb Z (14day Forecast)  NAO index
mean=0.2830  cor(w/obs)=0.5387
North Atlantic Oscillation
Surface Analysis