Planned Ship Route & Forecast

Saturday, 5/28 Transit to WHOI
Waves: NW 4-7 ft
Winds: NE 5-15 kts
Clouds: Partly cloudy
Precip: None

Monday, 5/30 S6 Ops
Waves: NE 15-18 ft
Winds: N 30-35 kts bcmg 20-25 kts
Clouds: Scattered low and high, broken mid
Precip: Showers decreasing

Wednesday, 6/1 Transit to WHOI
Waves: WSW 5-9 ft
Winds: W 10-20 kts
Clouds: Overcast
Precip: Chance of showers

Thursday, 6/2 Transit to WHOI
Waves: W bcmg N 5-9 ft
Winds: W bcmg N 10-20 kts
Clouds: Mostly cloudy
Precip: None

Tuesday, 5/31 Transit to WHOI
Waves: NE bcmg SW 5-9 ft
Winds: N 15-25 kts bcmg calm bcmg SW 10-20 kts
Clouds: Cloudy
Precip: Rain late in the day

Sunday, 5/29 S6 Ops
Waves: Variable, 5 increasing to 12 ft
Winds: E bcmg calm, then bcmg N 25-35 kts
Clouds: Broken low and high, overcast mid
Precip: Rain, heavy at times
Forecast Summary

Day 1 (Sunday) – May 29
Recommendation: Ship at S6
St. John’s: Cloudy skies early, then partly cloudy in the afternoon. High 43F. Winds NNE at 15 to 25 mph.

Day 2 (Monday) – May 30
Recommendation: Ship at S6
St. John’s: Partly cloudy skies. High 57F. W winds shifting to SSE at 10 to 15 mph.

Day 3 (Tuesday) – May 31
Recommendation: Ship in transit to WHOI
St. John’s: Windy with rain early...then remaining cloudy with showers in the afternoon. High 53F. Winds S at 20 to 30 mph. Chance of rain 100%. Rainfall near a quarter of an inch.

Day 4 (Wednesday) – June 1
Recommendation: Ship in transit to WHOI
St. John’s: Cloudy with showers. High 57F. Winds W at 10 to 20 mph. Chance of rain 50%.

Day 5 (Thursday) – June 2
Recommendation: Ship in transit to WHOI
St. John’s: Cloudy and windy. High around 45F. Winds NNW at 25 to 35 mph.

Day 6 (Friday) – June 3
Recommendation: Ship in transit to WHOI
St. John’s: Cloudy and windy. High 46F. Winds NNW at 25 to 35 mph.

CALIPSO tracks through domain on 1st and 3rd.
North Atlantic Oscillation

NAO: Observed & ENSM forecasts

500mb Z (Obs: 29 Jan 2016 - 27 May 2016)  NAO index
mean = 0.3745

500mb Z (7 day Forecast)  NAO index
mean = 0.2584  
\text{cor}(w/obs) = 0.8977

500mb Z (10 day Forecast)  NAO index
mean = 0.2450  
\text{cor}(w/obs) = 0.7086

500mb Z (14 day Forecast)  NAO index
mean = 0.2656  
\text{cor}(w/obs) = 0.5407
Surface Analysis