NAAMES Afternoon WX Discussion

Sunday, May 29, 2016
Forecast Summary

Day 1 (Monday) – May 30 – Ship at S6 – CALIPSO track
Recommendation: Fly
St. John’s: Mix of sun and clouds. Winds SSW 10-20 mph. High 53F.

Day 2 (Tuesday) – May 31 - Ship leave S6
Recommendation: Potential Fly
St. John’s: Cloudy with heavy rain and wind. Chance of rain 90%. Winds SSE 20-30 mph. High 57F.

Day 3 (Wednesday) – June 1 – Ship in transit to WHOI – CALIPSO track
Recommendation: Potential Fly
St. John’s: Overcast with showers. Winds NNW 20-30 mph. High 49F.

Day 4 (Thursday) – June 2 – Ship in transit to WHOI
Recommendation: Potential Fly/Transit to LaRC
St. John’s: Partly cloudy and windy. Winds NNW 20-30 mph. High 44F.

Day 5 (Friday) – June 3 – Ship in transit to WHOI – CALIPSO track
Recommendation: Potential Fly/Transit to LaRC
St. John’s: Partly cloudy and windy. Winds NNE 20-30 mph. High 47F.

Day 6 (Saturday) – June 4 – Ship in transit to WHOI
Recommendation: Potential Fly/Transit to LaRC
St. John’s: Mix of sun and clouds. Winds N 10-20 mph. High 50F.
**Planned Ship Route & Forecast**

**Sunday, 6/5**  
Transit to WHOI  
Waves: E 2-3 ft  
Winds: ENE 5-10 kts  
Clouds: mostly to partly cloudy  
Precip: scattered showers

**Saturday, 6/4**  
Transit to WHOI  
Waves: E 4-5 ft  
Winds: NE 10-15 kts  
Clouds: mostly cloudy  
Precip: AM rain

**Friday, 6/3**  
Transit to WHOI  
Waves: SE 5-7 ft  
Winds: E 12-18 kts  
Clouds: partly to mostly cloudy  
Precip: isolated shower

**Wednesday, 6/1**  
Transit to WHOI  
Waves: W 7-9 ft  
Winds: W 15-20 kts  
Clouds: overcast  
Precip: isolated shower

**Thursday, 6/2**  
Transit to WHOI  
Waves: NNW 5-7 ft  
Winds: NNE 12-18 kts  
Clouds: mostly to partly cloudy  
Precip: none

**Tuesday, 5/31**  
Transit to WHOI  
Waves: NE 9-12 ft  
Winds: NNW 12-18 kts  
Clouds: mostly cloudy  
Precip: PM rain

**Monday, 5/30 S6 Ops**  
Waves: NE 18-21 ft  
Winds: N 32-38 kts  
Clouds: broken low/mid, clear high  
Precip: AM rain
# North Atlantic Oscillation

## NAO: Observed & ENSM forecasts

<table>
<thead>
<tr>
<th>Forecast Duration</th>
<th>NAO Index</th>
<th>Corr (w/ obs)</th>
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<tr>
<td>500mb Z (Obs: 30Jan2016 – 28May2016)</td>
<td>mean=0.3831</td>
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<td>500mb Z (7 day Forecast)</td>
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<td>500mb Z (14 day Forecast)</td>
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![NAO Negative Mode](image1.png)

![NAO Positive Mode](image2.png)
North Atlantic Oscillation
Surface Analysis and Synoptic Forecast
Monday Clouds w/ Plan

12z Clouds

18z Clouds

We have a stationary reservation that includes S3, S4, and S5 and will chose the station to work as dictated by cloud conditions. We will RTB along a CALIPSO track.
Tuesday Clouds

12z Clouds

18z Clouds
Wednesday Clouds

12z Clouds

18z Clouds

CALIPSO track through domain.
Thursday Clouds

12z Clouds

18z Clouds
Friday Clouds

12z Clouds

18z Clouds

CALIPSO track through domain.