

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: isolated shower

Friday, 6/3

Transit to WHOI

Waves: SE 5-7 ft
Winds: E 12-18 kts
Clouds: partly to mostly cloudy
Precip: none

Wednesday, 6/1

Transit to WHOI

Waves: W 7-9 ft
Winds: W 15-20 kts
Clouds: overcast
Precip: isolated shower

Saturday, 6/4

Transit to WHOI

Waves: E 4-5 ft
Winds: NE 10-15 kts
Clouds: mostly cloudy
Precip: scattered showers

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

R/V Atlantis

S5

W45°

W55°
N42.5°

W65°

N52.5°

W35°

S1

S0

S2

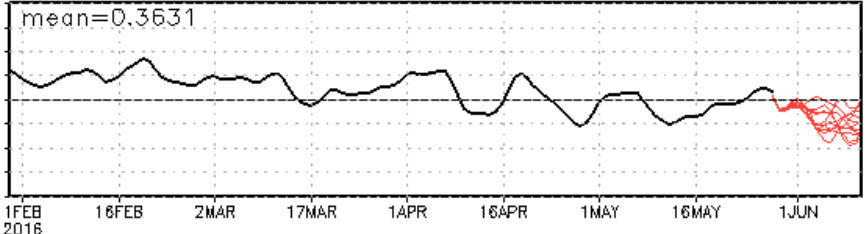
S3

S4

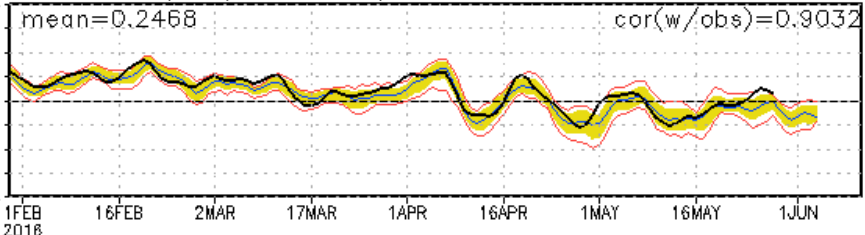
North Atlantic Oscillation

NAO: Observed & ENSM forecasts

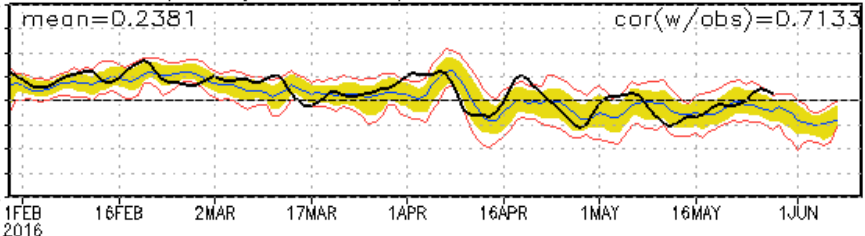
500mb Z (Obs: 30Jan2016 – 28May2016) NAO index



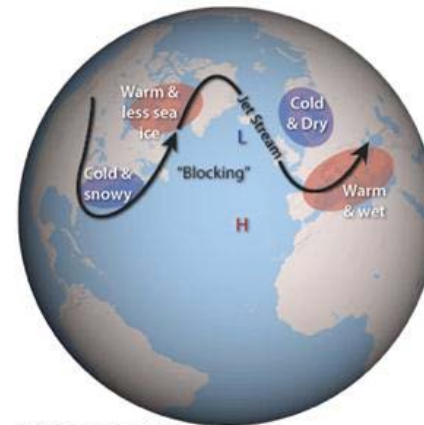
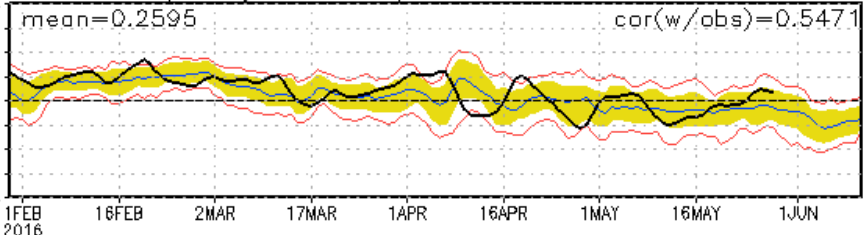
500mb Z (7day Forecast) NAO index



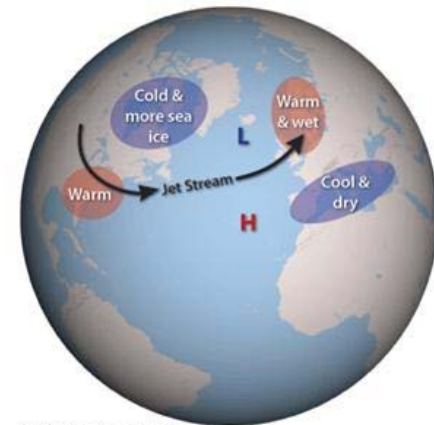
500mb Z (10day Forecast) NAO index



500mb Z (14day Forecast) NAO index



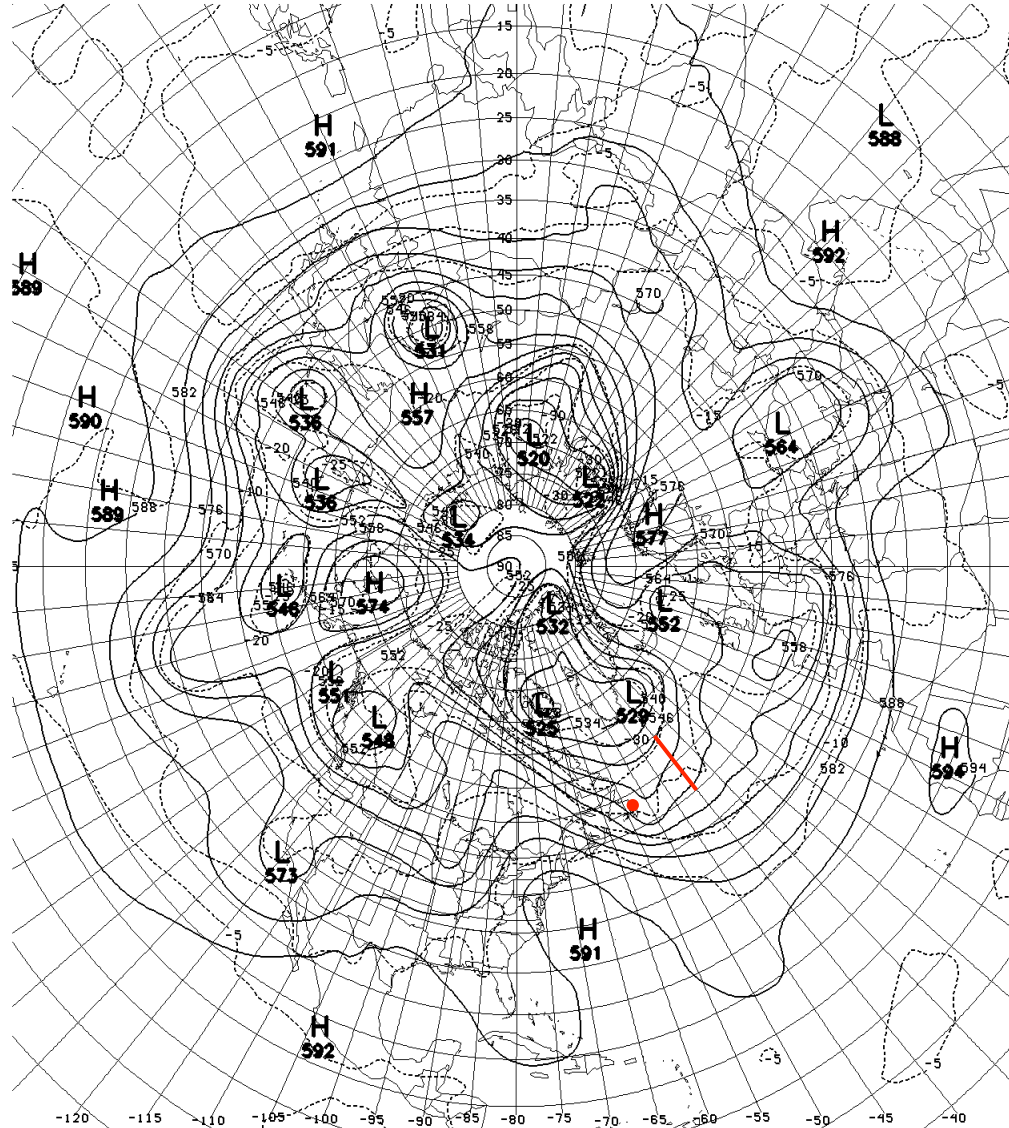
NAO Negative Mode



NAO Positive Mode

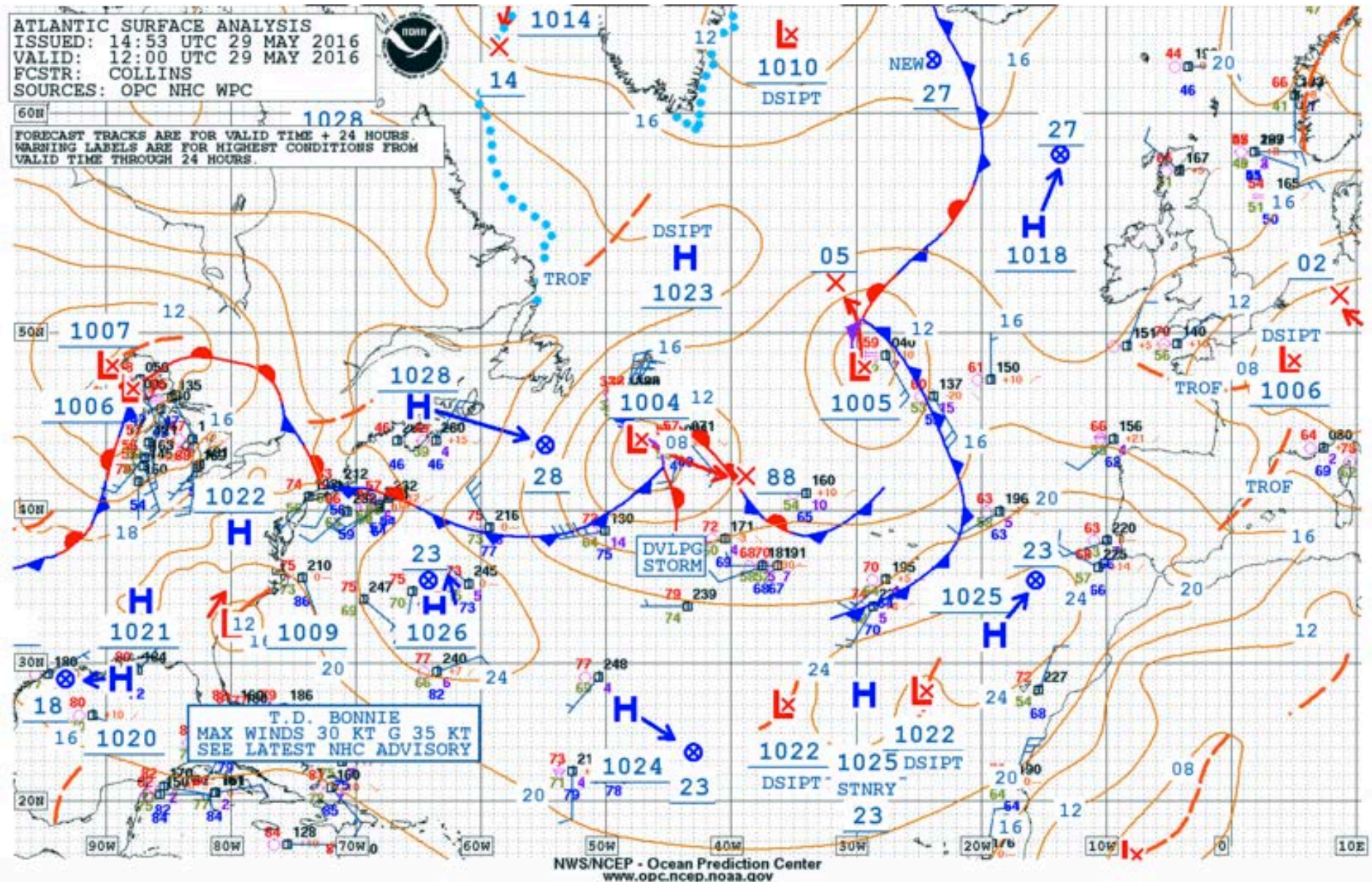
North Atlantic Oscillation

500MB ANALYSIS HEIGHTS/TEMPERATURE



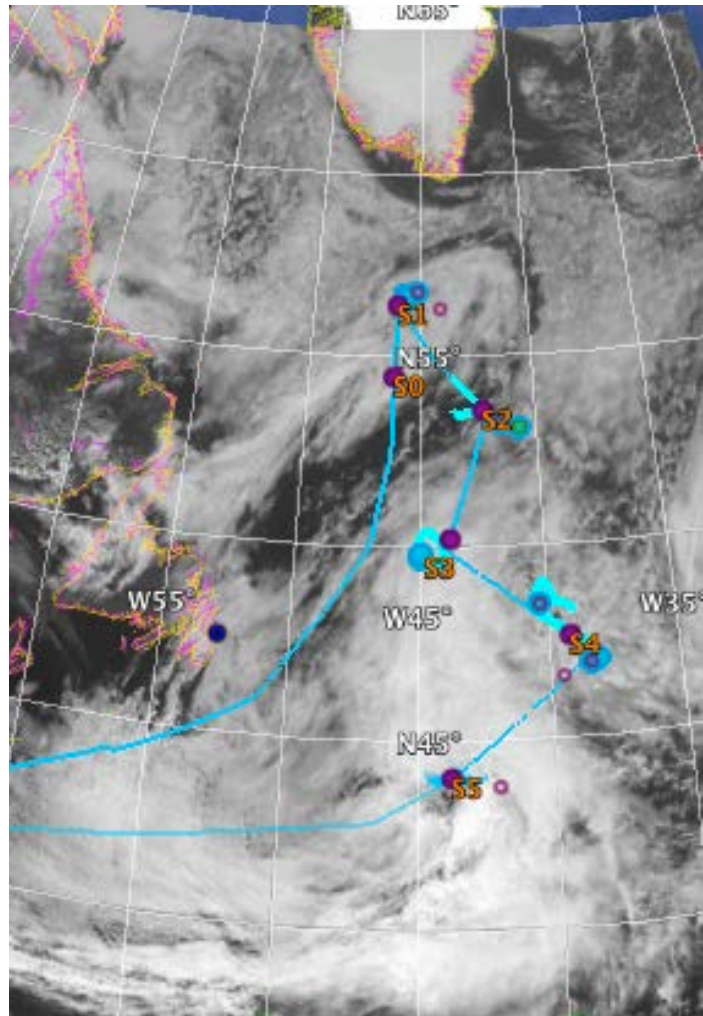
05/29/2016 06UTC 000HR FCST VALID SUN 05/29/2016 06UTC NCEP/NWS/NOAA

Surface Analysis and Synoptic Forecast

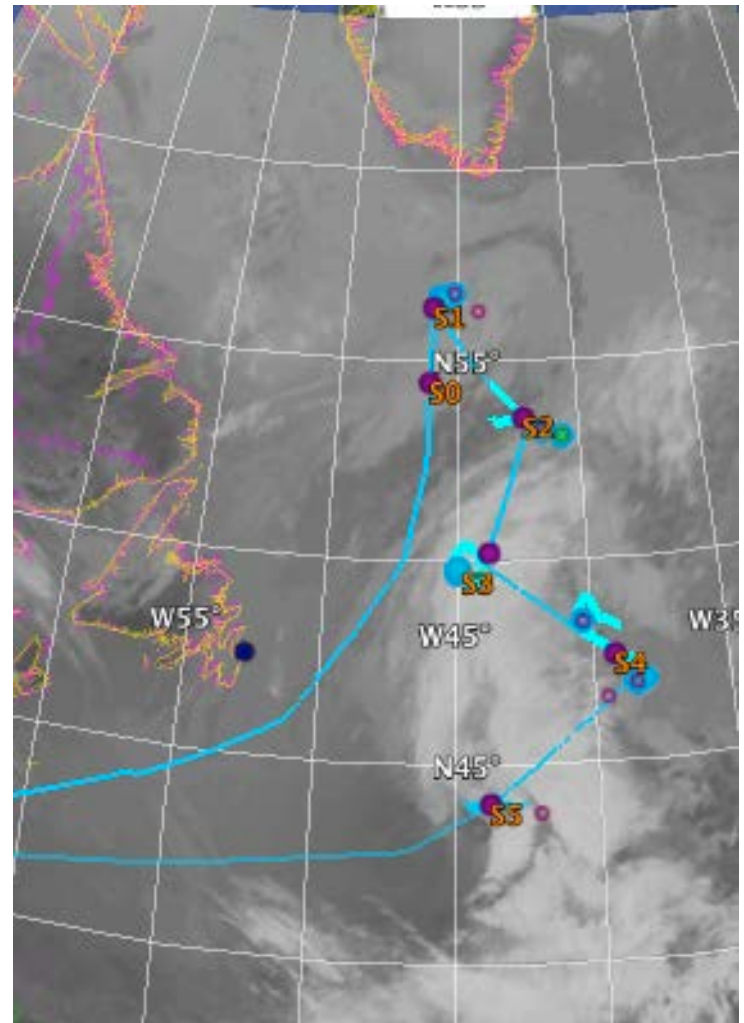


Satellite (5/29 14:45Z)

Visible

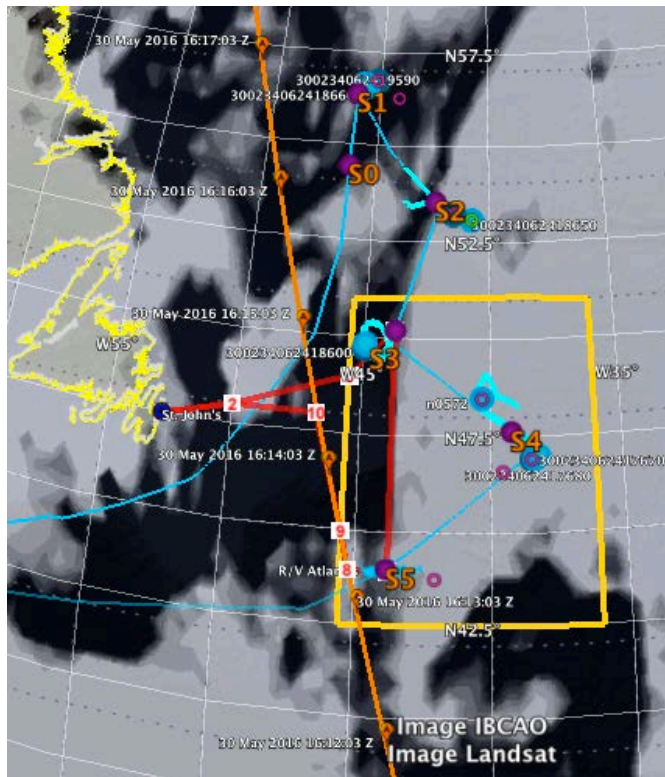


IR

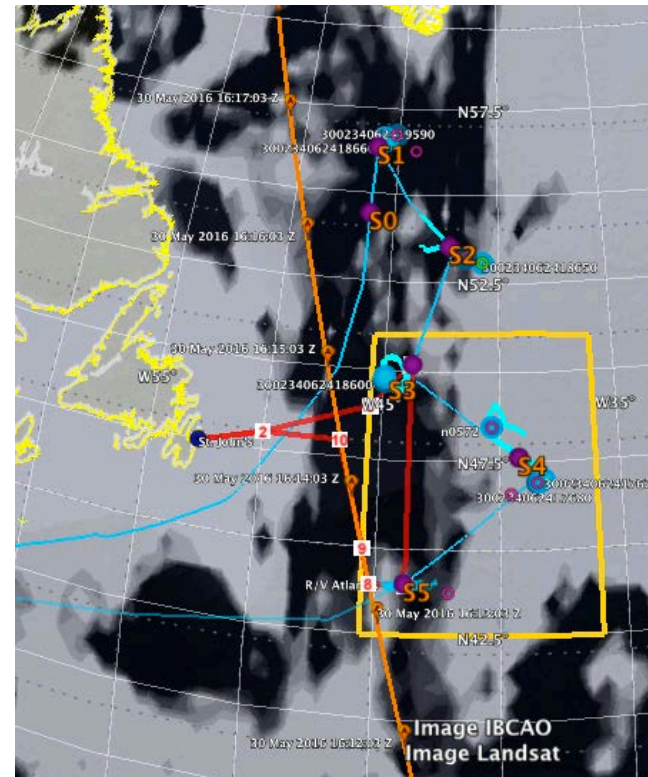


Monday Clouds w/ Plan

12z Clouds



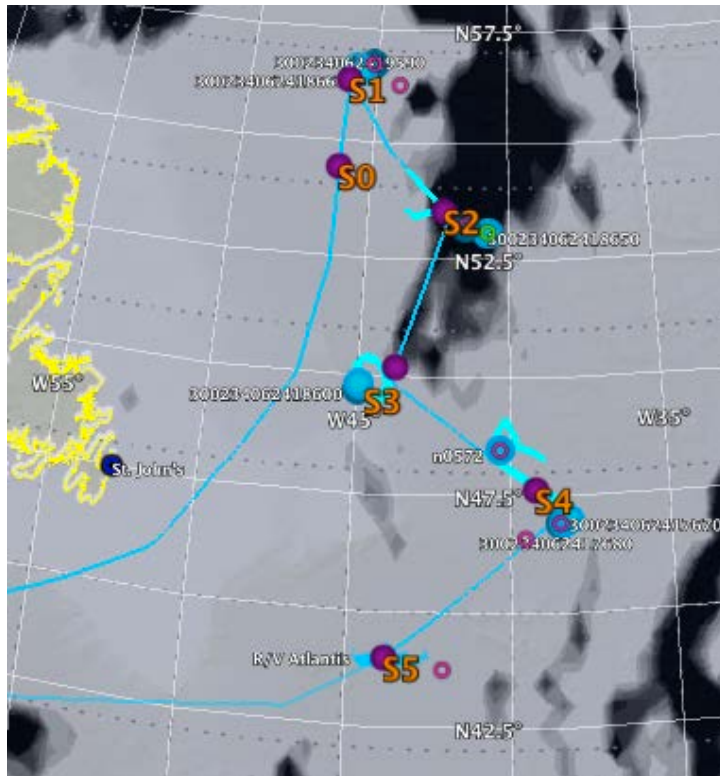
18z Clouds



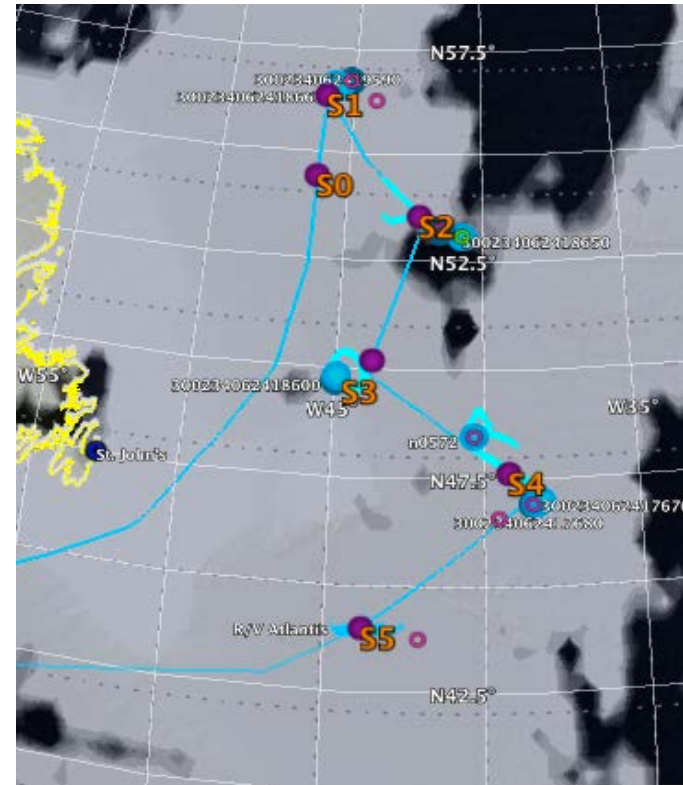
We have a stationary reservation that includes S3, S4, and S5 and will chose the station to work as dictated by cloud conditions. We will RTB along a CALIPSO track.

Tuesday Clouds

12z Clouds



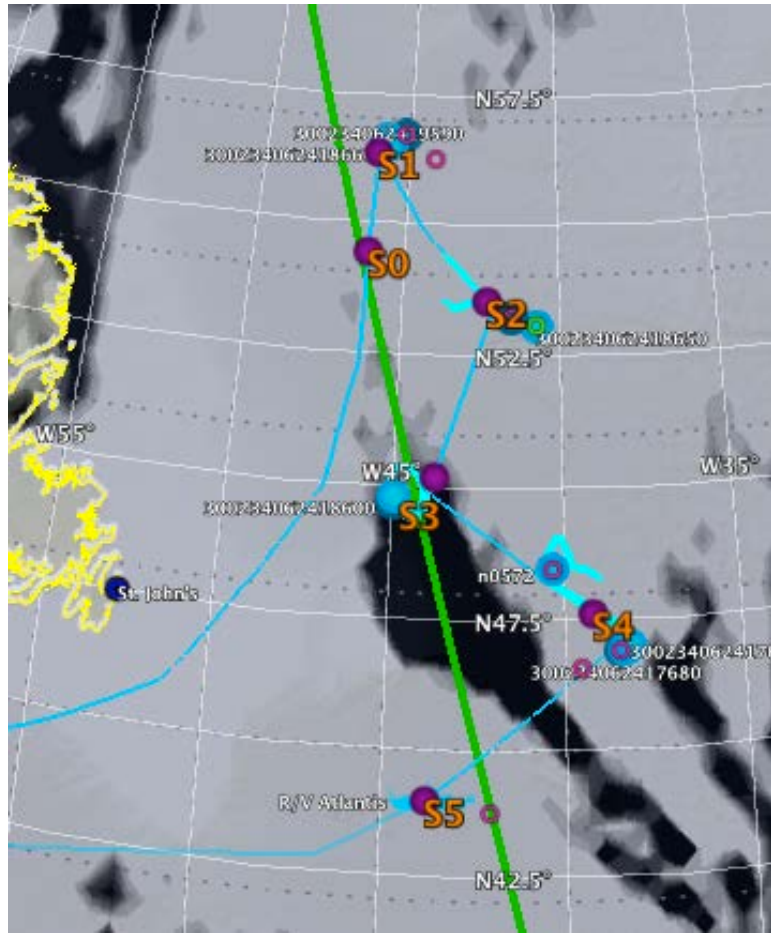
18z Clouds



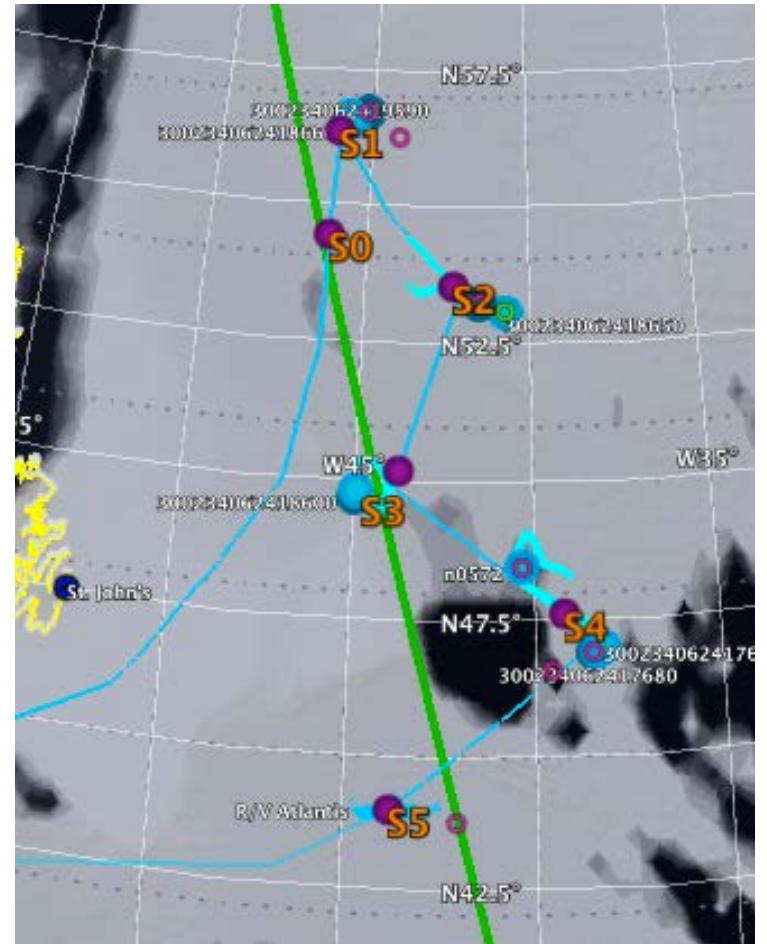
?

Wednesday Clouds

12z Clouds



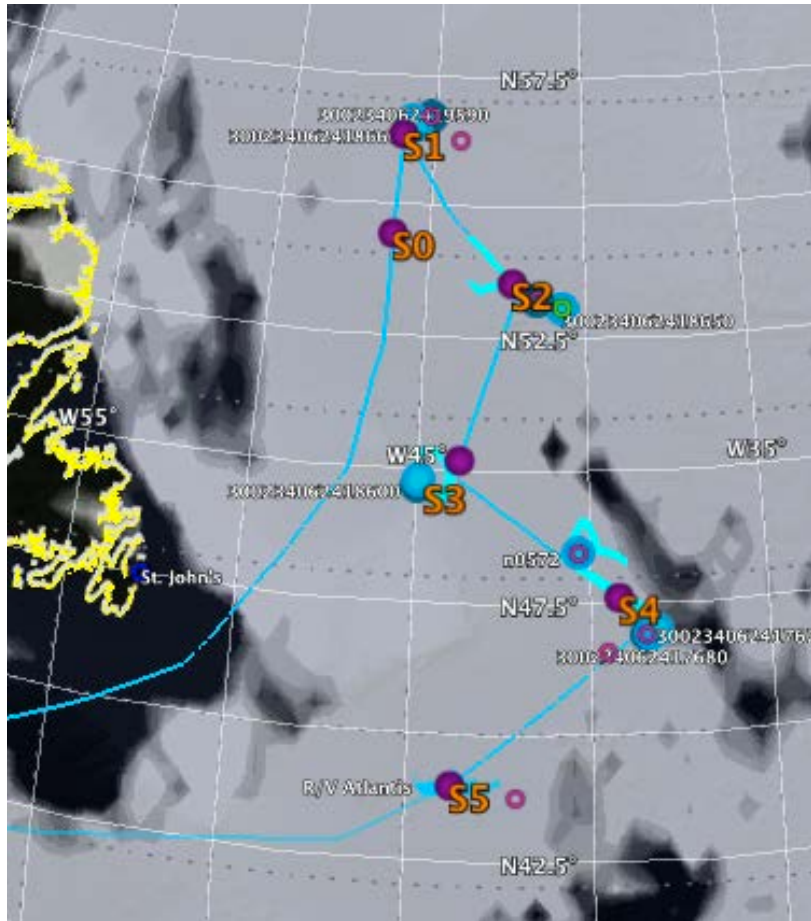
18z Clouds



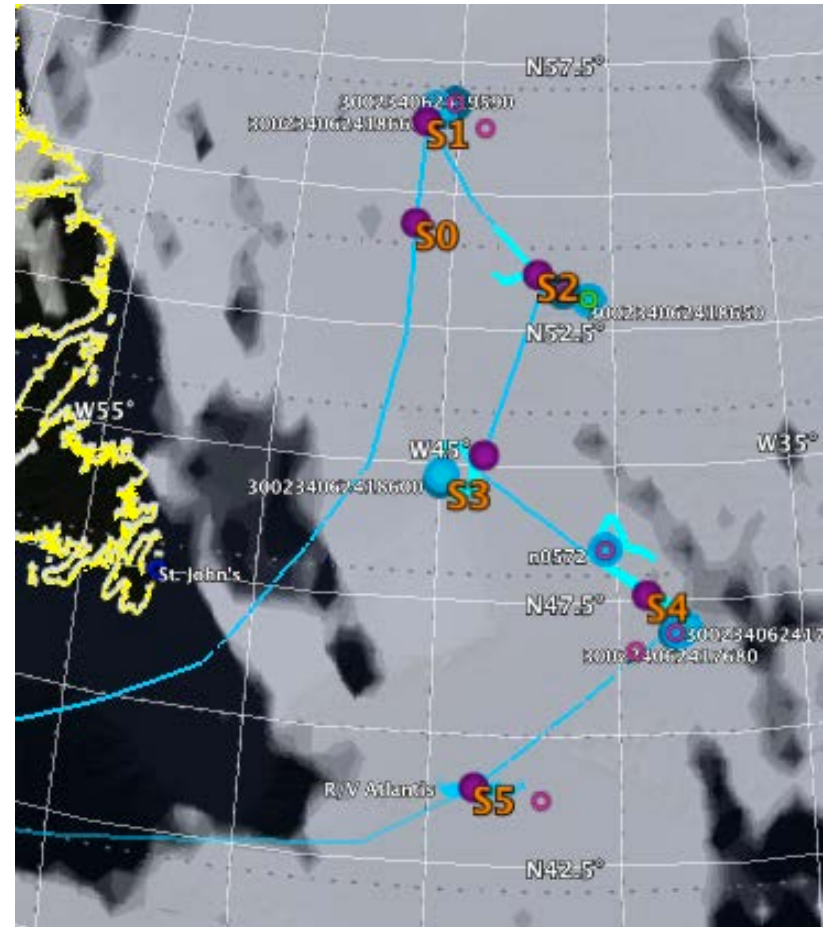
CALIPSO track through domain.

Thursday Clouds

12z Clouds

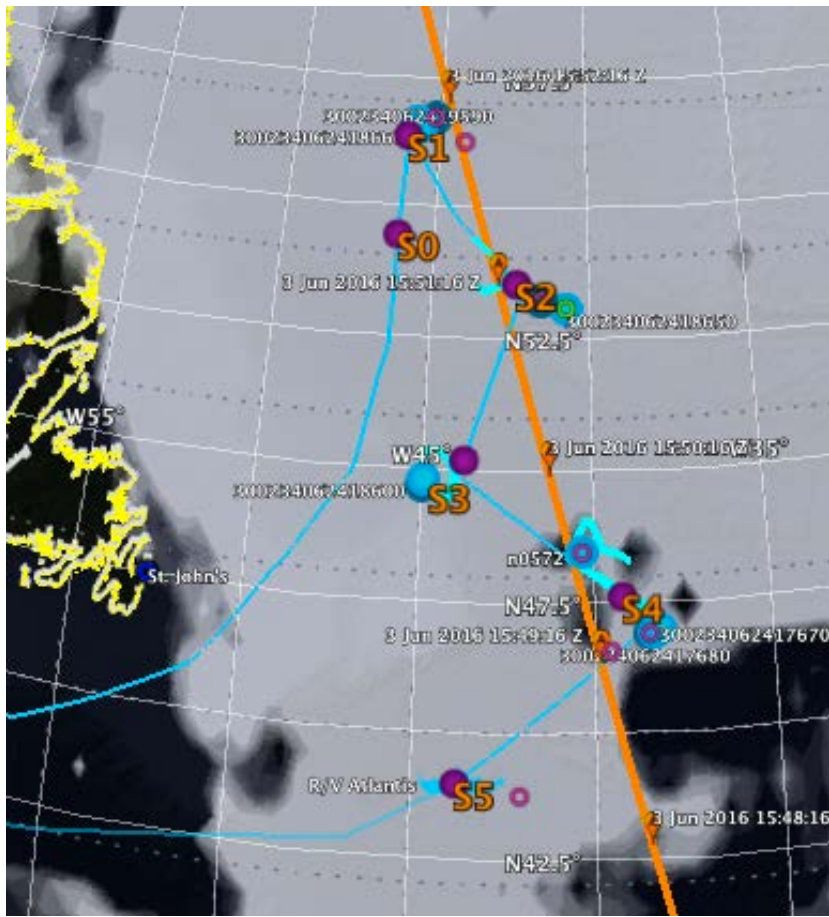


18z Clouds

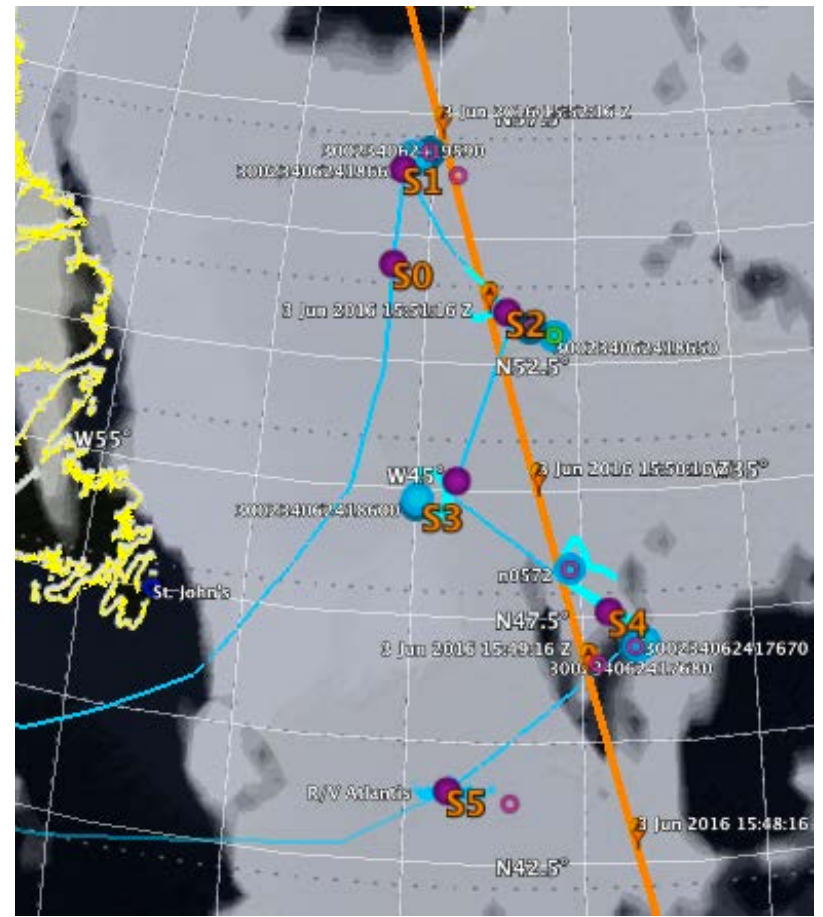


Friday Clouds

12z Clouds



18z Clouds



CALIPSO track through domain.