NAAMES Afternoon WX Discussion

Friday, May 27, 2016

Forecast Summary

Day 1 (Saturday) – May 28 – Ship leave S4 for S6

Recommendation: Fly

St. John's: Cloudy, developing rain showers, heavy at times. Winds SSE 10-20 mph. High 45.

Day 2 (Sunday) – May 29 - Ship at S6

Recommendation: Fly

St. John's: Mostly cloudy to partly cloudy. Winds NE 10-20 mph. High 46F.

Day 3 (Monday) – May 30 – Ship at S6

Recommendation: Fly

St. John's: Mix of sun and clouds. Winds SSW 10-15 mph. High 58F.

Day 4 (Tuesday) – May 31 – Ship at S6

Recommendation: Questionable

St. John's: Cloudy with periods of rain. Winds SSE 20-30 mph. High 52F.

Day 5 (Wednesday) – June 1 – Ship leave S6 for WHOI

Recommendation: Potential Fly

St. John's: Partly cloudy, increasing clouds and rain showers through day. Winds WSW shifting to N 15-25 mph. High 51F.

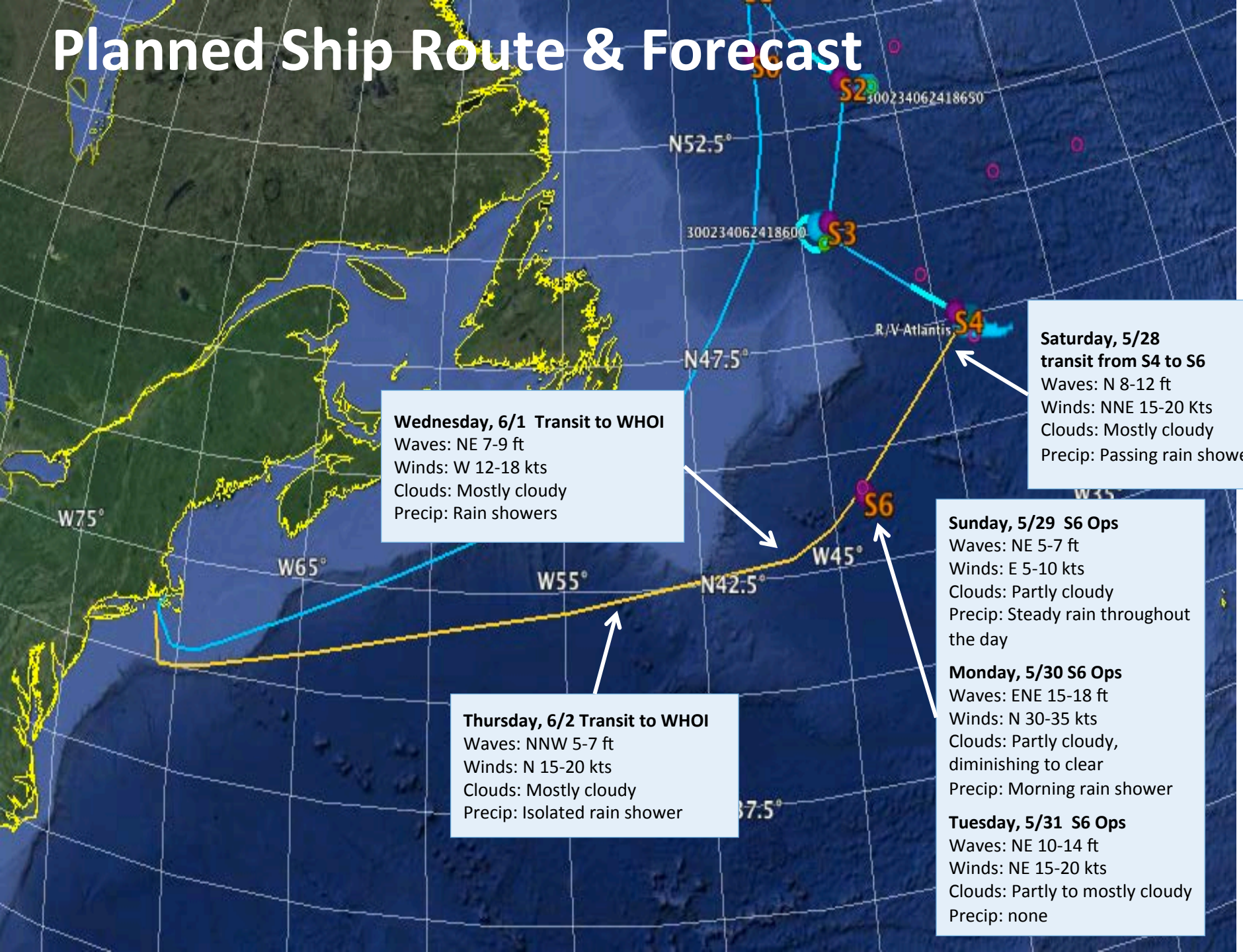
Day 6 (Thursday) – June 2 – Ship in transit to WHOI

Recommendation: Potential Fly

St. John's: Rain showers ending in morning and partly cloudy. Winds N 20-30 mph. High 46F.

CALIPSO tracks through domain May 30, June 1, June 3.

Planned Ship Route & Forecast



Wednesday, 6/1 Transit to WHOI
Waves: NE 7-9 ft
Winds: W 12-18 kts
Clouds: Mostly cloudy
Precip: Rain showers

Saturday, 5/28
transit from S4 to S6
Waves: N 8-12 ft
Winds: NNE 15-20 Kts
Clouds: Mostly cloudy
Precip: Passing rain shower

Sunday, 5/29 S6 Ops
Waves: NE 5-7 ft
Winds: E 5-10 kts
Clouds: Partly cloudy
Precip: Steady rain throughout the day

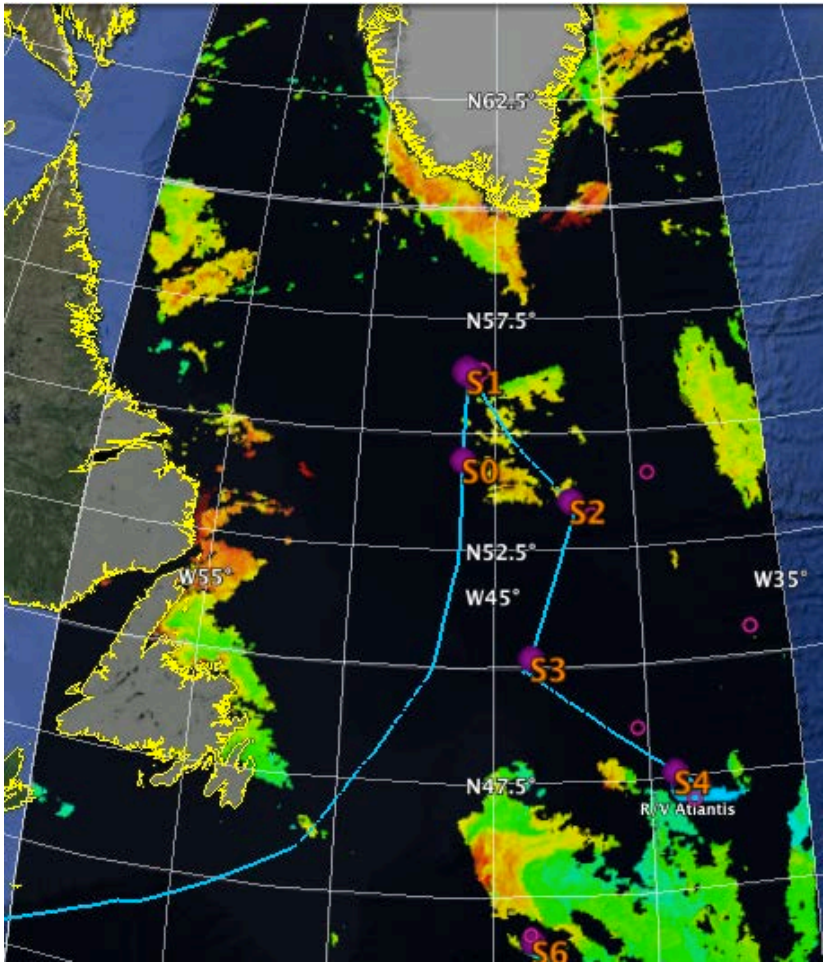
Monday, 5/30 S6 Ops
Waves: ENE 15-18 ft
Winds: N 30-35 kts
Clouds: Partly cloudy, diminishing to clear
Precip: Morning rain shower

Tuesday, 5/31 S6 Ops
Waves: NE 10-14 ft
Winds: NE 15-20 kts
Clouds: Partly to mostly cloudy
Precip: none

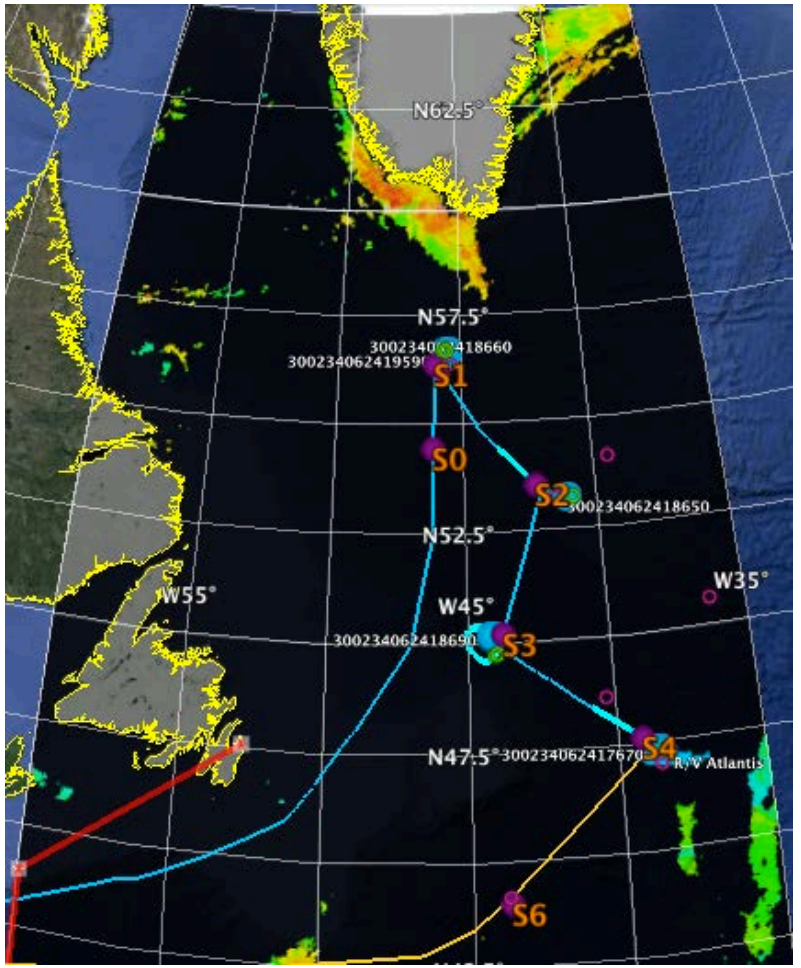
Thursday, 6/2 Transit to WHOI
Waves: NNW 5-7 ft
Winds: N 15-20 kts
Clouds: Mostly cloudy
Precip: Isolated rain shower

MODIS Aqua Chlorophyll

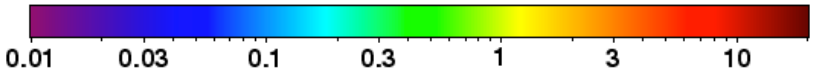
May 24-26, 2016



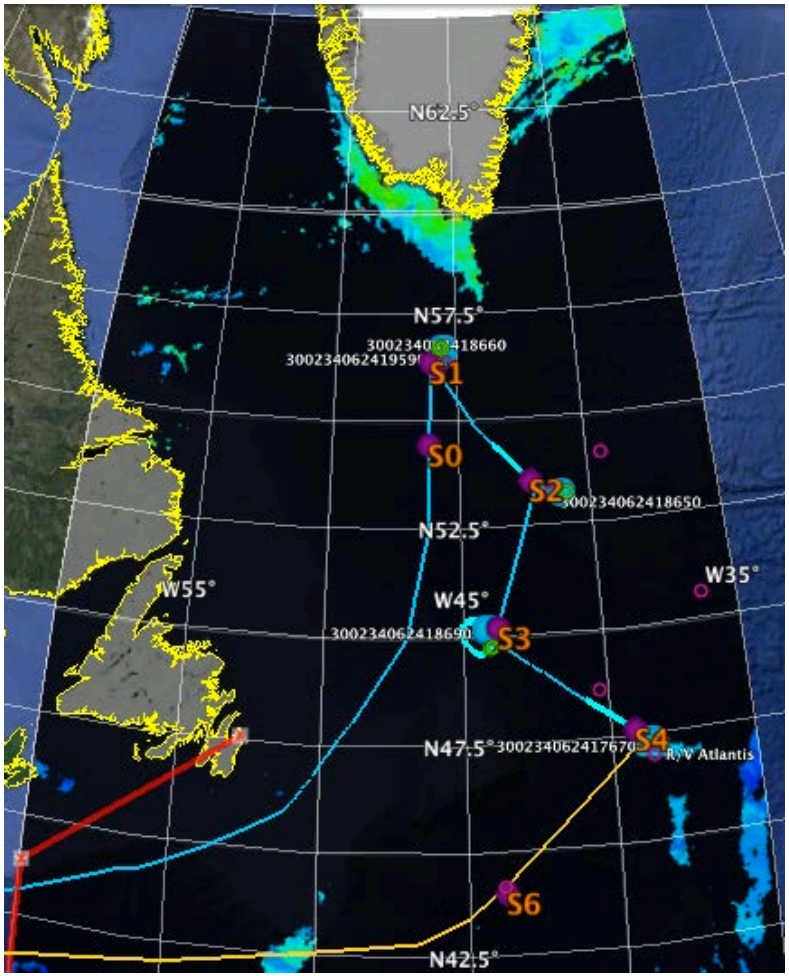
May 26, 2016



Chlorophyll a concentration (mg / m^3)



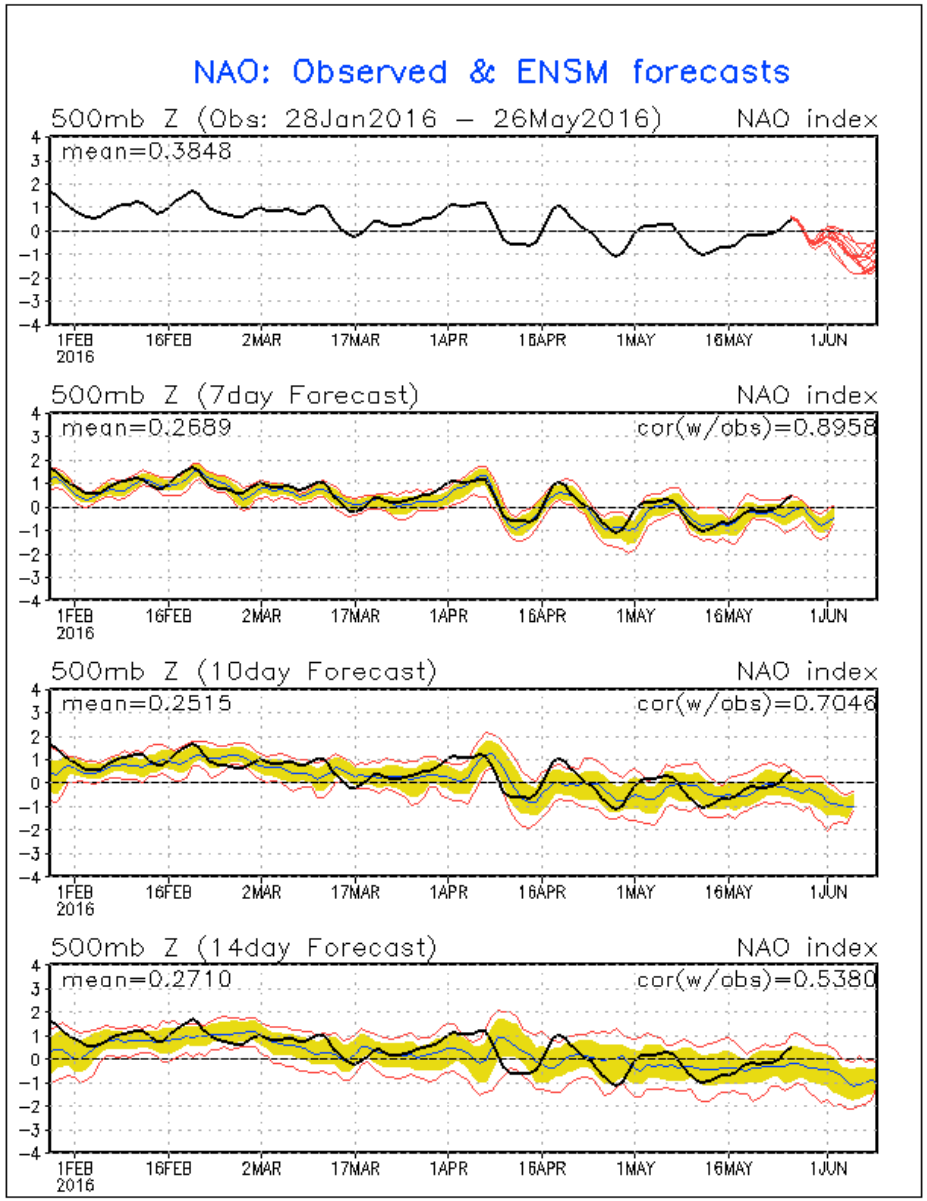
MODIS Aqua Kd
May 26, 2016

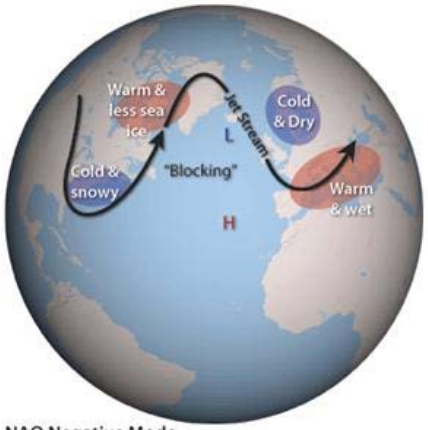


Diffuse attenuation coefficient at 490 nm (m^{-1})

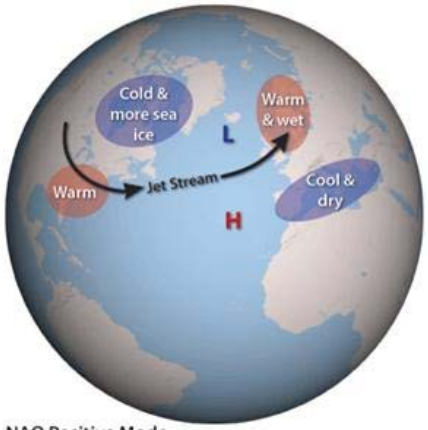
0.01 0.02 0.05 0.1 0.2 0.5 1 2 5

North Atlantic Oscillation



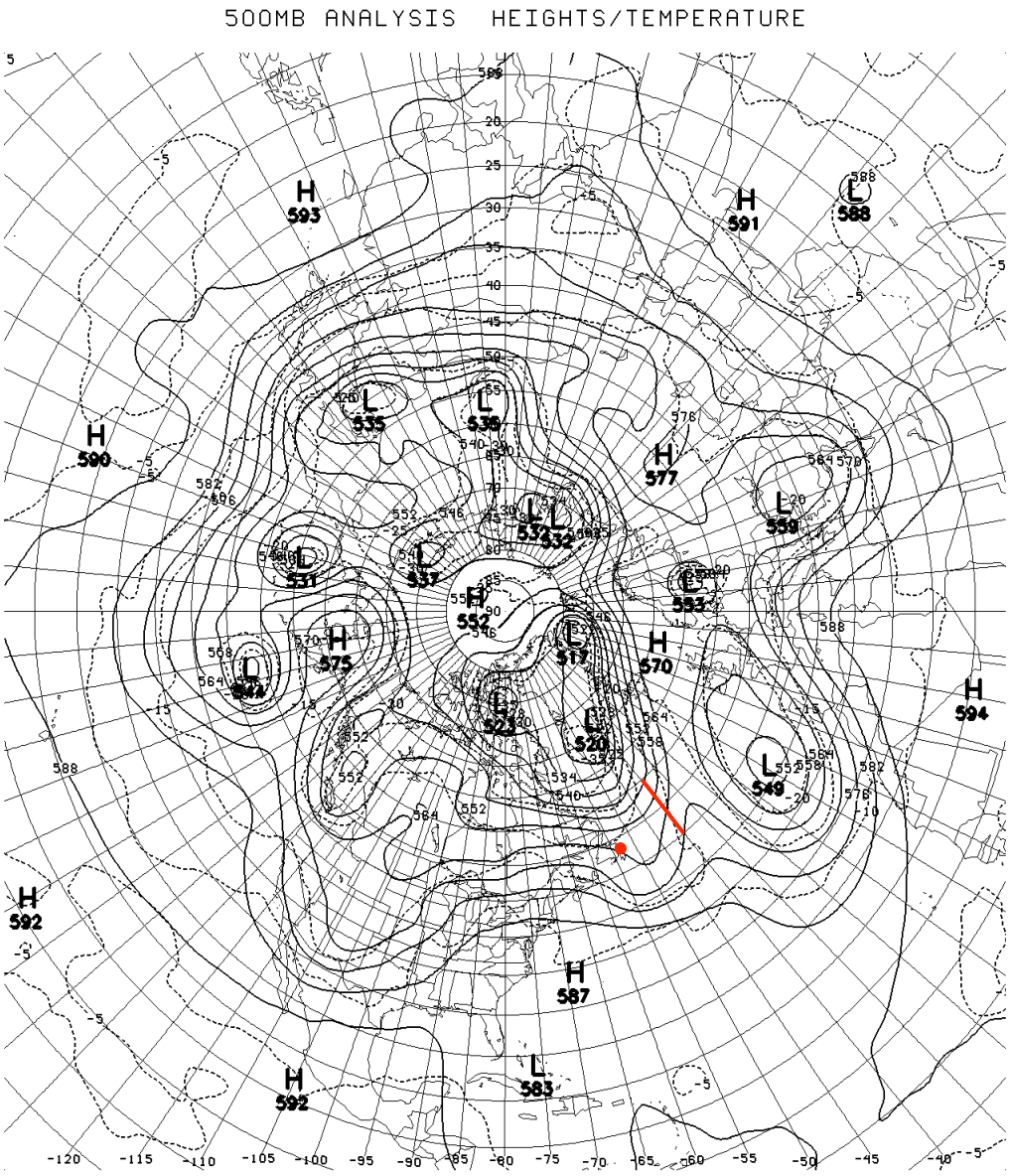


NAO Negative Mode

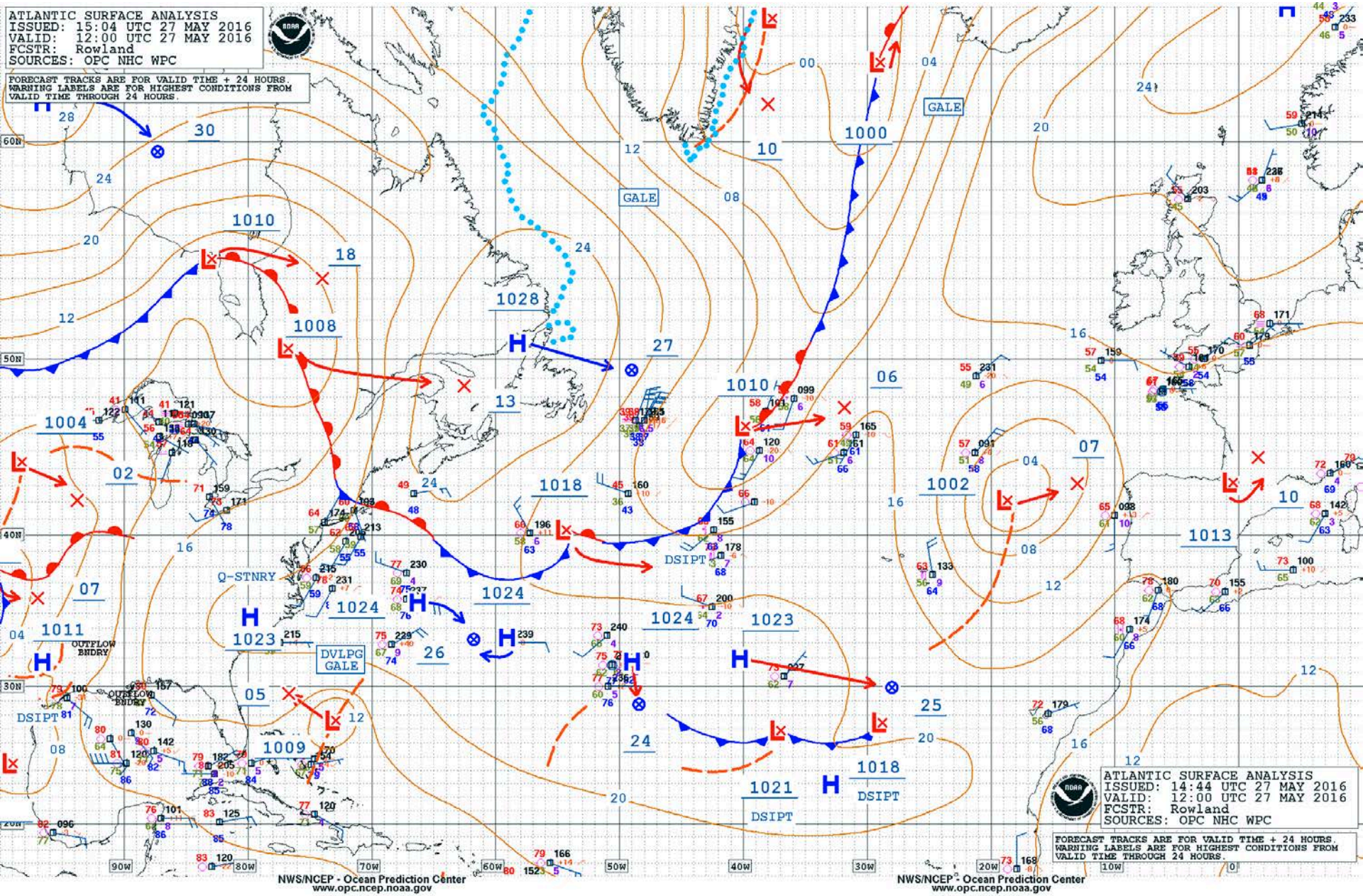


NAO Positive Mode

North Atlantic Oscillation



Surface Analysis



Satellite (5/27 14:45Z)

Visible **IR**