

Planned Ship Route & Forecast

Tuesday, 5/31 Transit to WHOI

Waves: ENE 4-7 kts
Winds: N 20 kts bcmg calm
Clouds: Scattered low, broken high
Precip: None

Thursday, 6/1 Transit to WHOI

Waves: W 5-7 ft
Winds: SW 10-20 kts
Clouds: Overcast at all levels
Precip: Rain

Friday, 5/27 S4 Ops

Waves: E 5-7 ft
Winds: S 5-10 kts bcmg N 10-20 kts
Clouds: Overcast at all levels
Precip: Rain, heavy at times

Saturday, 5/28 Transit to S6

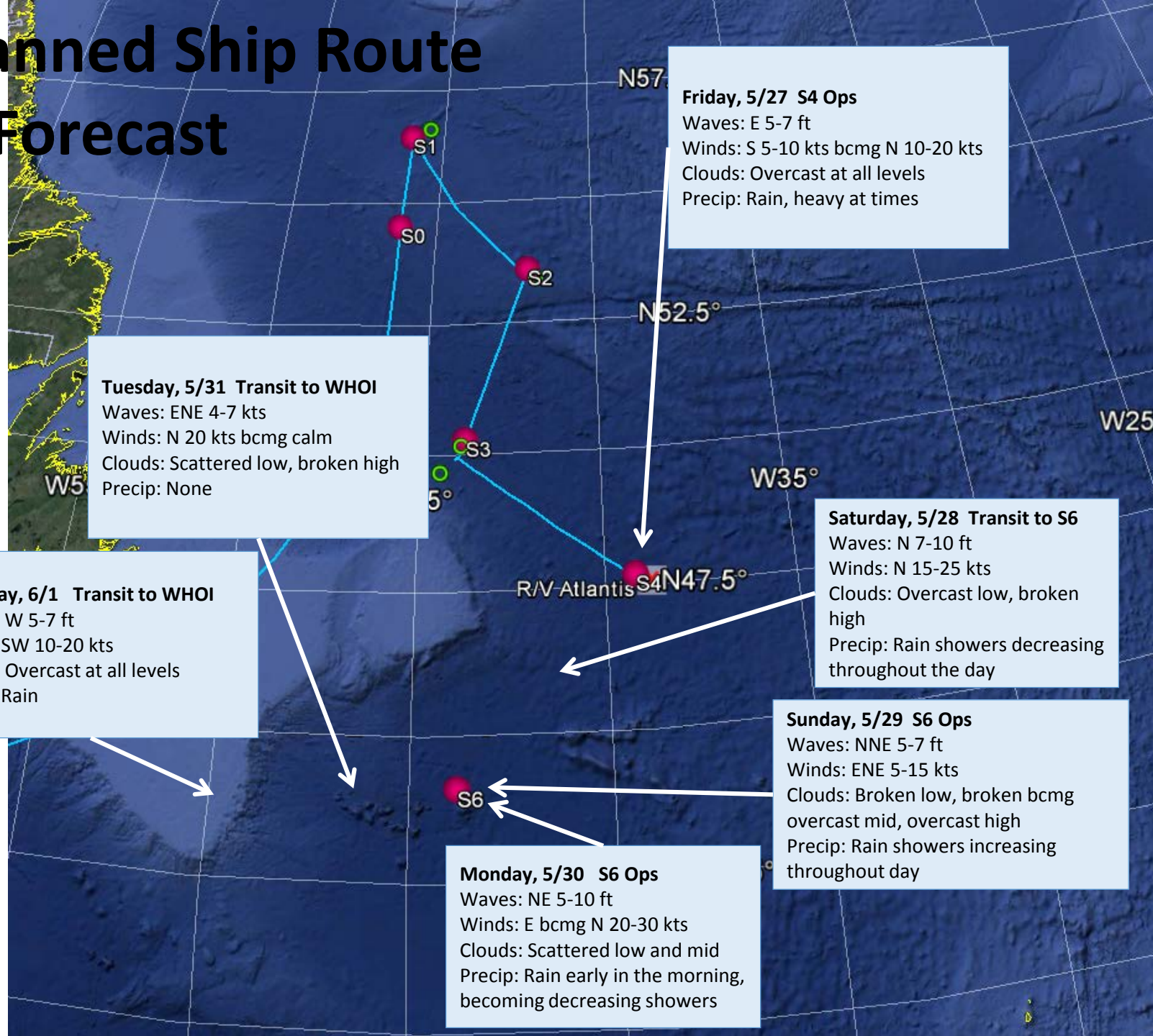
Waves: N 7-10 ft
Winds: N 15-25 kts
Clouds: Overcast low, broken high
Precip: Rain showers decreasing throughout the day

Sunday, 5/29 S6 Ops

Waves: NNE 5-7 ft
Winds: ENE 5-15 kts
Clouds: Broken low, broken bcmg overcast mid, overcast high
Precip: Rain showers increasing throughout day

Monday, 5/30 S6 Ops

Waves: NE 5-10 ft
Winds: E bcmg N 20-30 kts
Clouds: Scattered low and mid
Precip: Rain early in the morning, becoming decreasing showers



Forecast Summary

Day 1 (Friday) – May 27

Recommendation: Ship at S4

St. John's: Cloudy early with partial sunshine expected late. High 44F. Winds NNE at 15 to 25 mph.

Day 2 (Saturday) – May 28

Recommendation: Ship in transit to S6

St. John's: Cloudy with light rain developing later in the day. High 47F. Winds SSE at 10 to 20 mph. Chance of rain 60%.

Day 3 (Sunday) – May 29

Recommendation: Ship at S6

St. John's: Rain showers early with overcast skies later in the day. High 44F. Winds ENE at 10 to 15 mph. Chance of rain 70%.

Day 4 (Monday) – May 30

Recommendation: Ship at S6, Fly

St. John's: Sunshine and clouds mixed. High 52F. NNW winds shifting to ESE at 10 to 15 mph.

Day 5 (Tuesday) – May 31

Recommendation: Ship in transit to WHOI

St. John's: Cloudy with periods of rain. Becoming windy in the afternoon. High 49F. Winds SSE at 20 to 30 mph. Chance of rain 80%. Rainfall near a half an inch.

Day 6 (Wednesday) – June 1

Recommendation: Ship in transit to WHOI

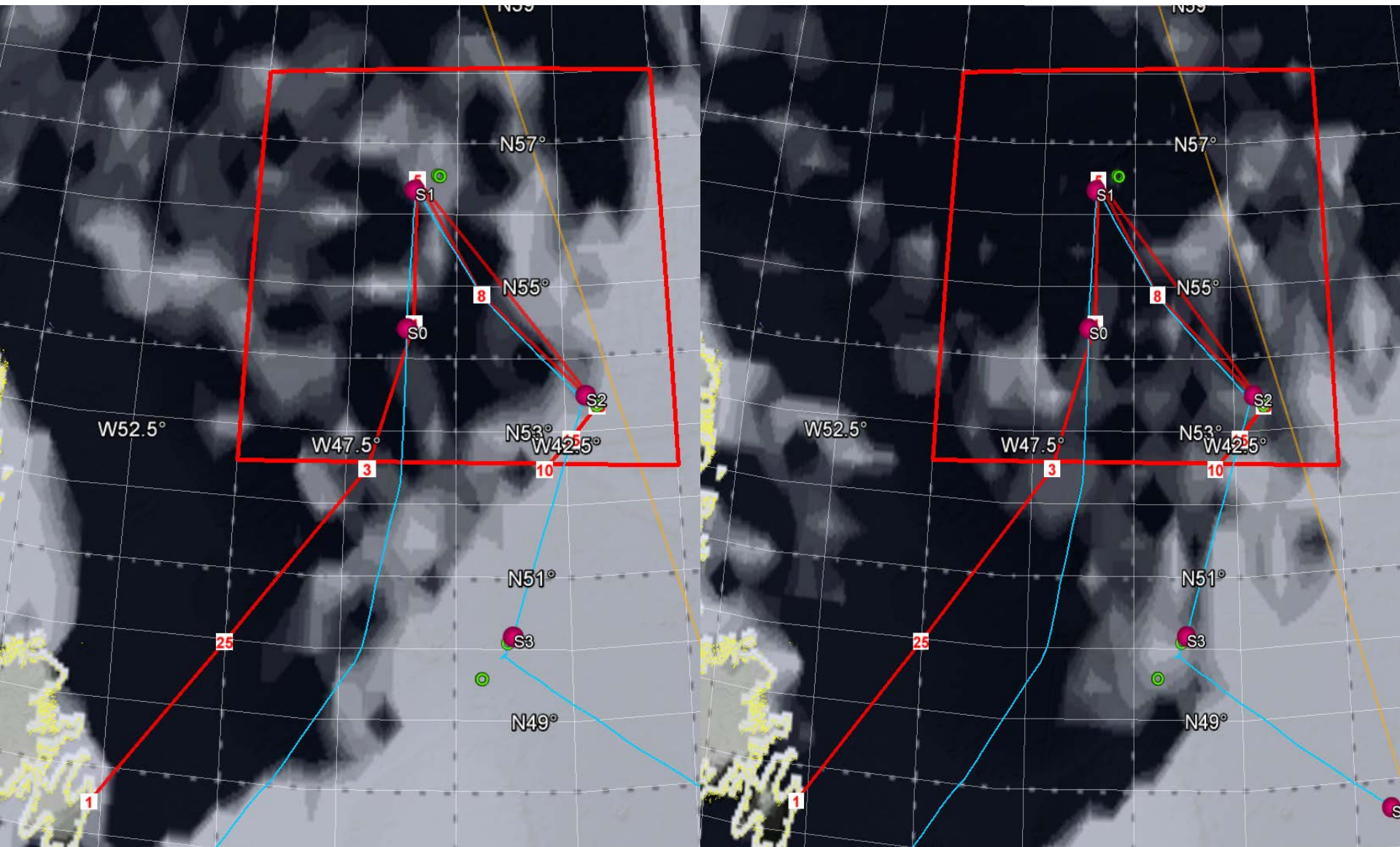
St. John's: Showers in the morning, then cloudy in the afternoon. High 46F. Winds N at 15 to 25 mph. Chance of rain 40%.

CALIPSO tracks through domain on 27th, and 1st.

Friday Flight Plan

12z Cloud Overlay

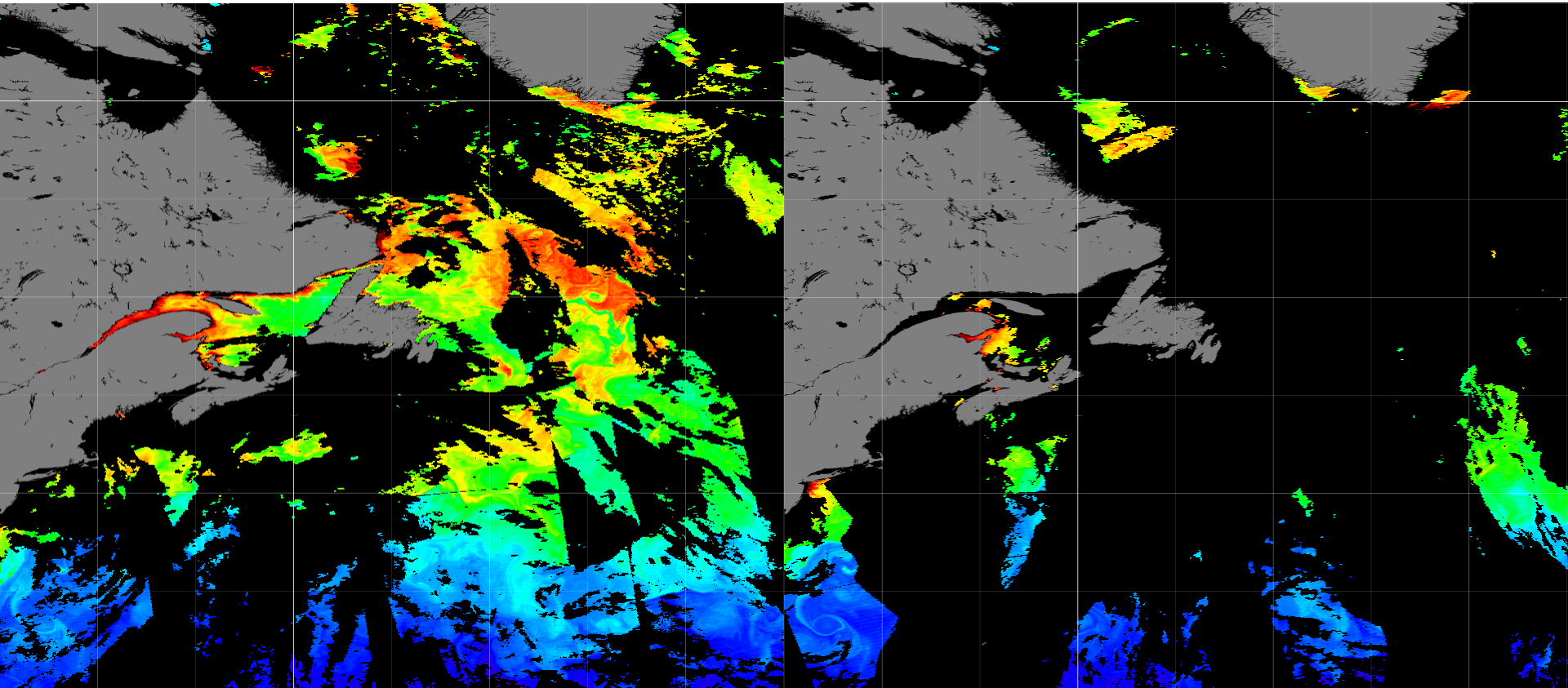
18z Cloud Overlay



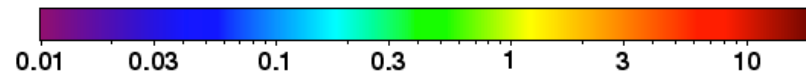
MODIS Aqua Chlorophyll

May 22-24, 2016

May 25, 2016

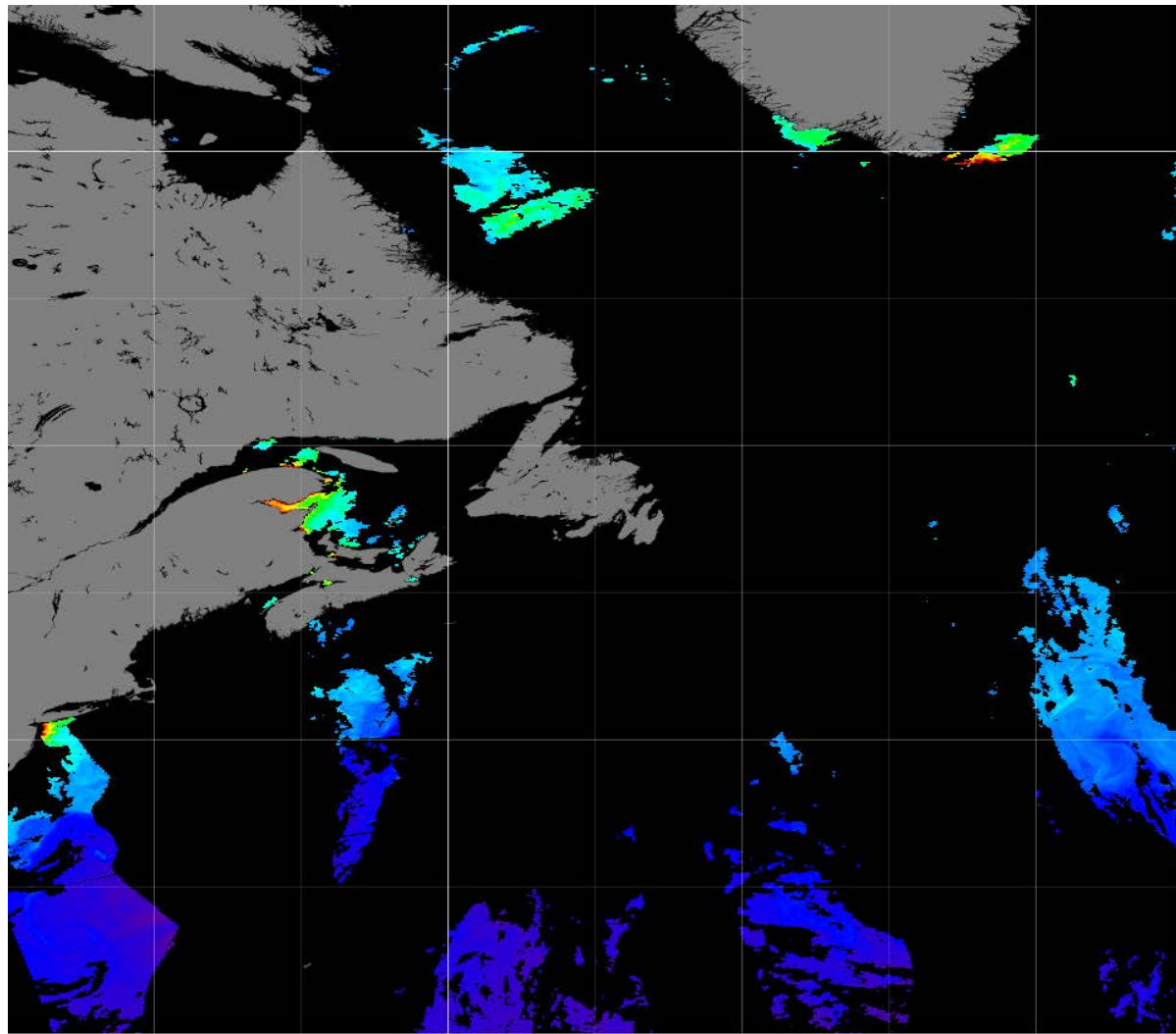


Chlorophyll a concentration (mg / m³)

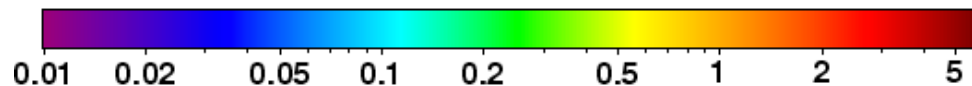


MODIS Aqua Kd

May 25, 2016

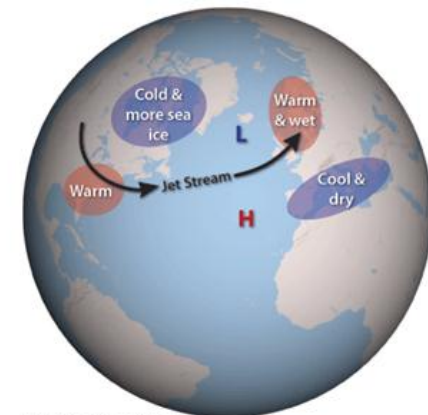
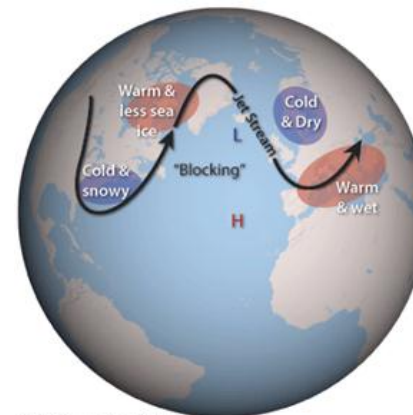
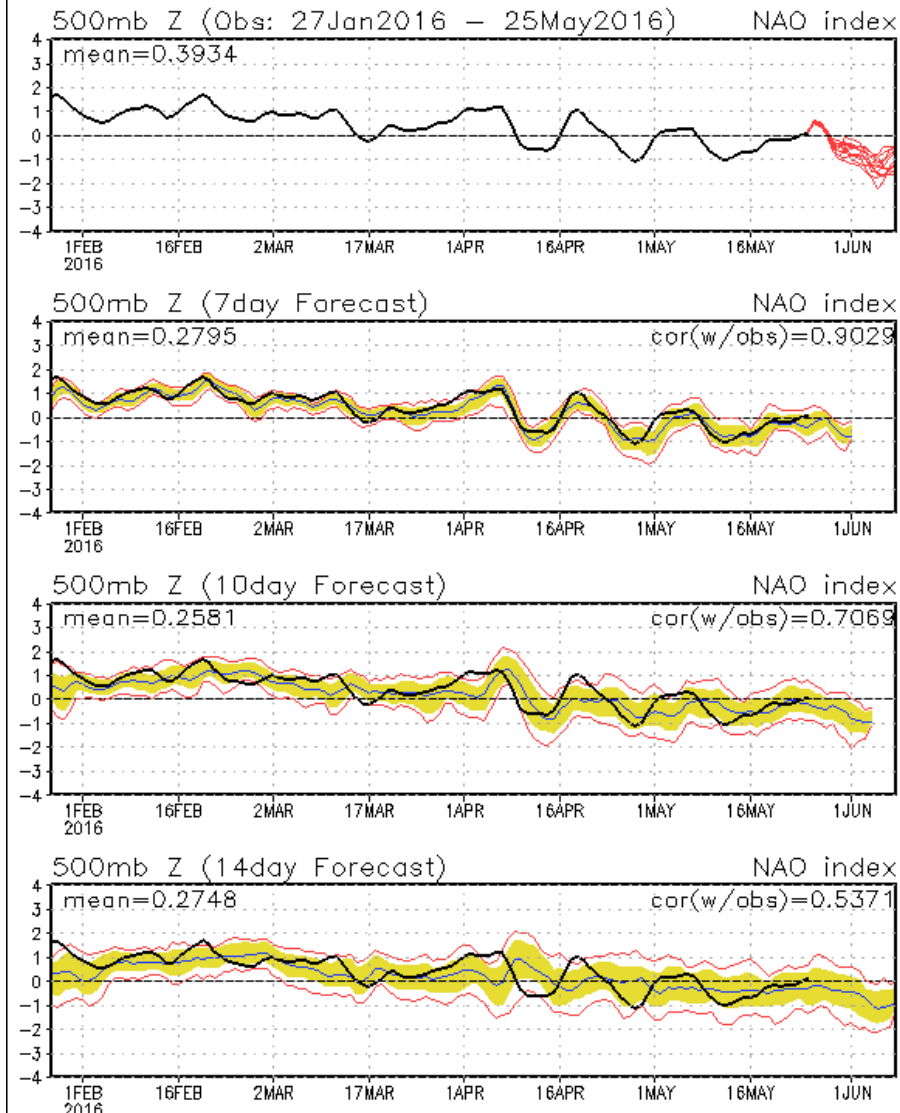


Diffuse attenuation coefficient at 490 nm (m^{-1})



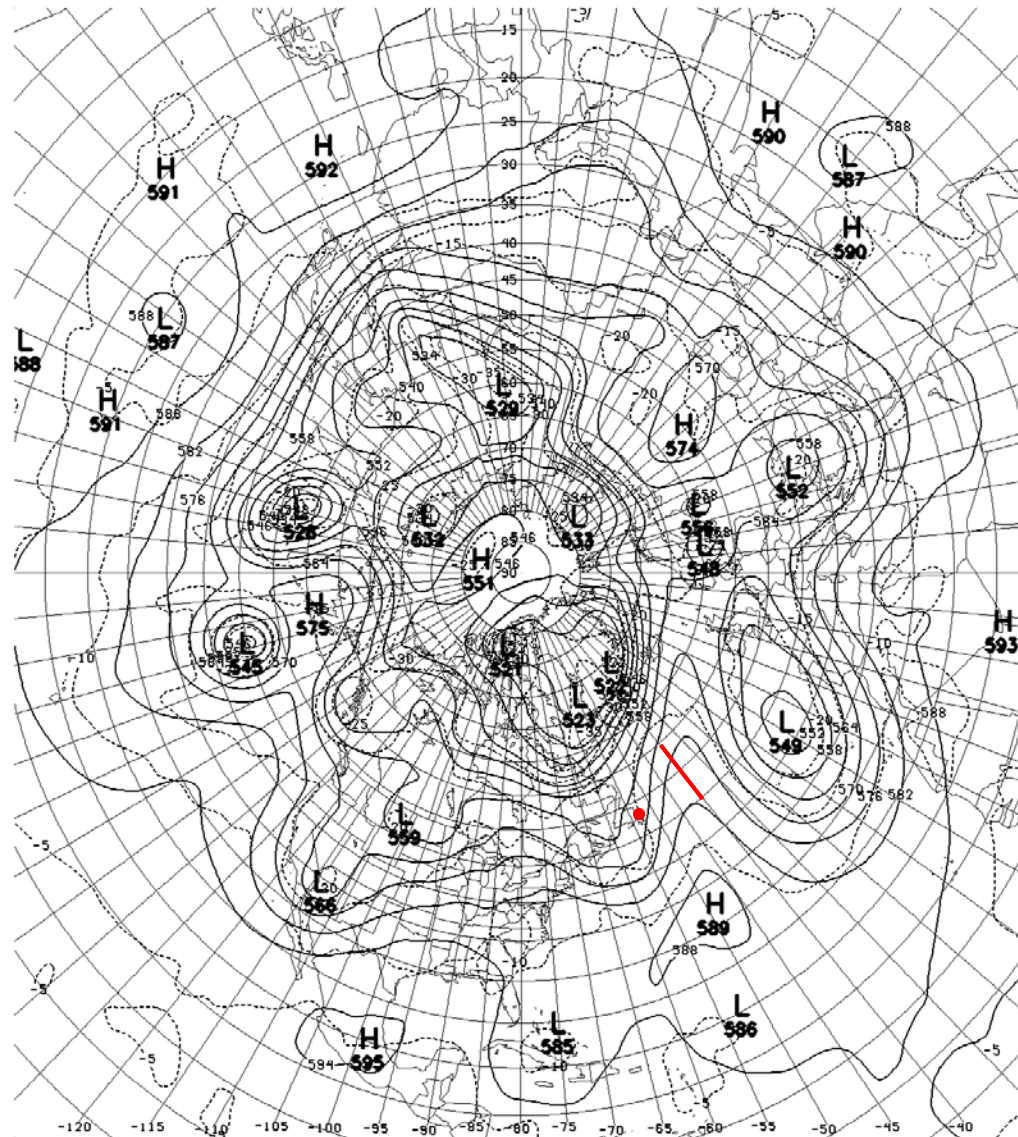
North Atlantic Oscillation

NAO: Observed & ENSM forecasts



North Atlantic Oscillation

500MB ANALYSIS HEIGHTS/TEMPERATURE



05/26/2016 06UTC 000HR FCST VALID THU 05/26/2016 06UTC NCEP/NWS/NOAA

Surface Analysis

