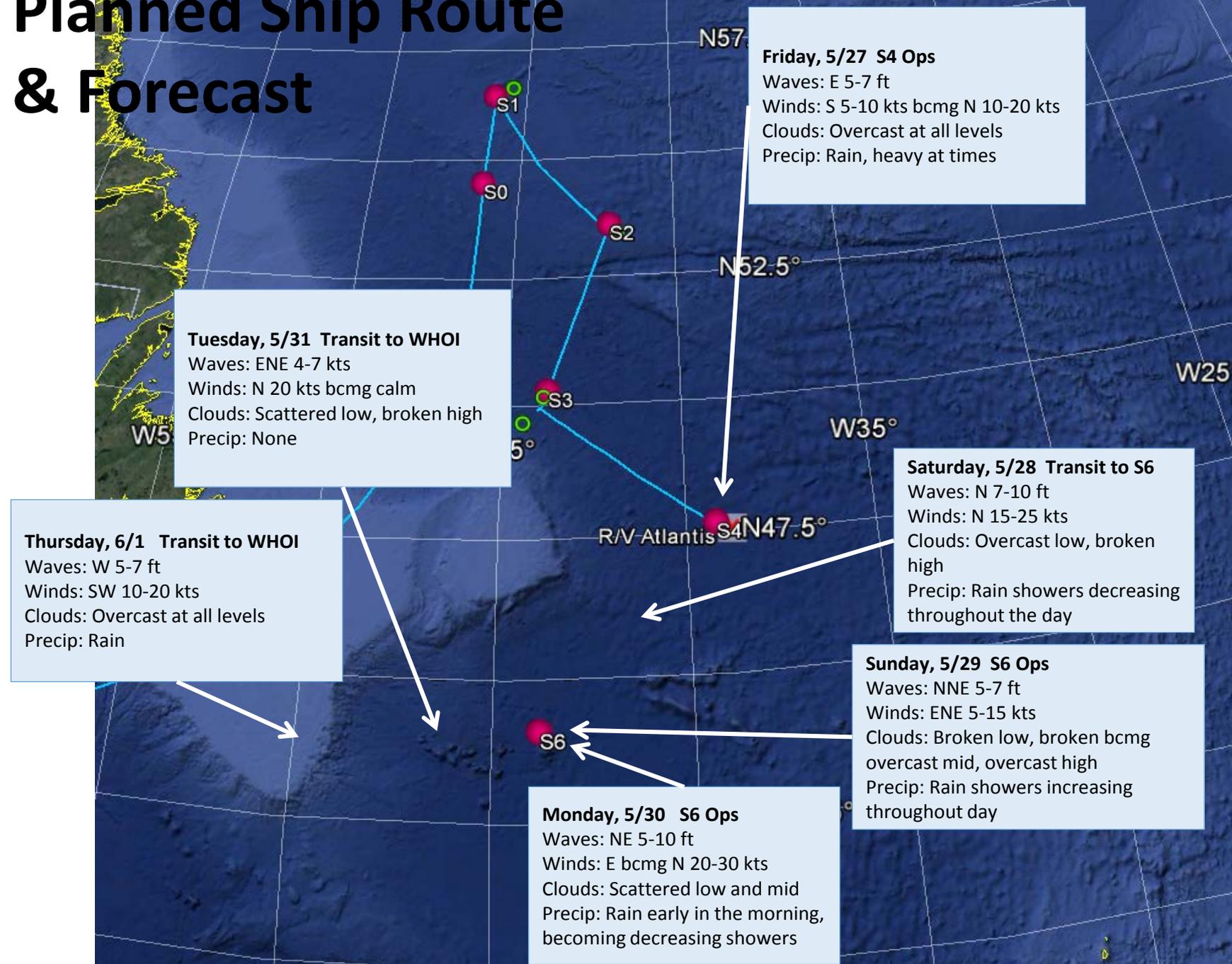


Planned Ship Route & Forecast



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

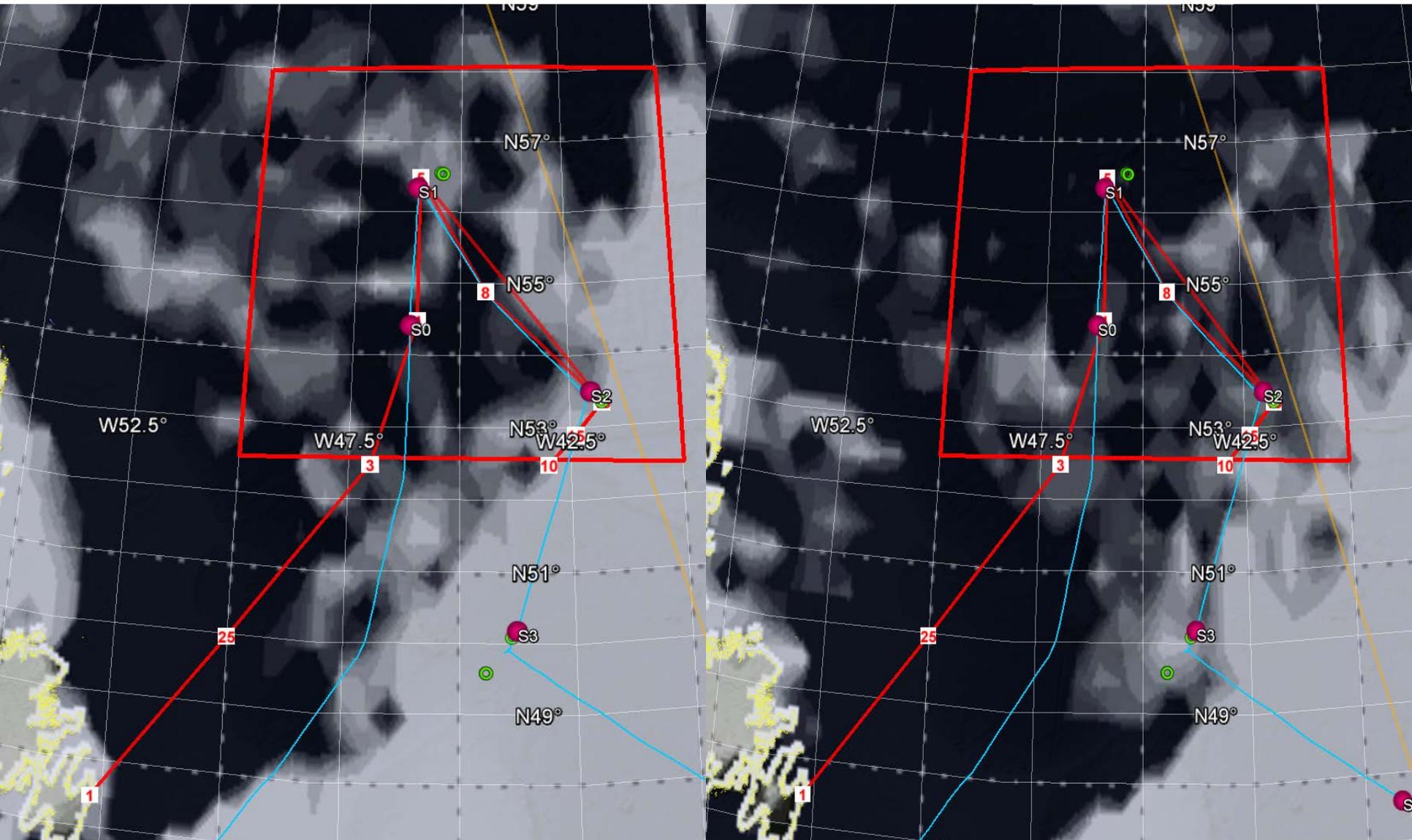
St. John's: Showers in the morning, then cloudy in the afternoon. High 46F. Winds N at 15 to 25 mph. Chance of rain 40%.

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

Friday Flight Plan

12z Cloud Overlay

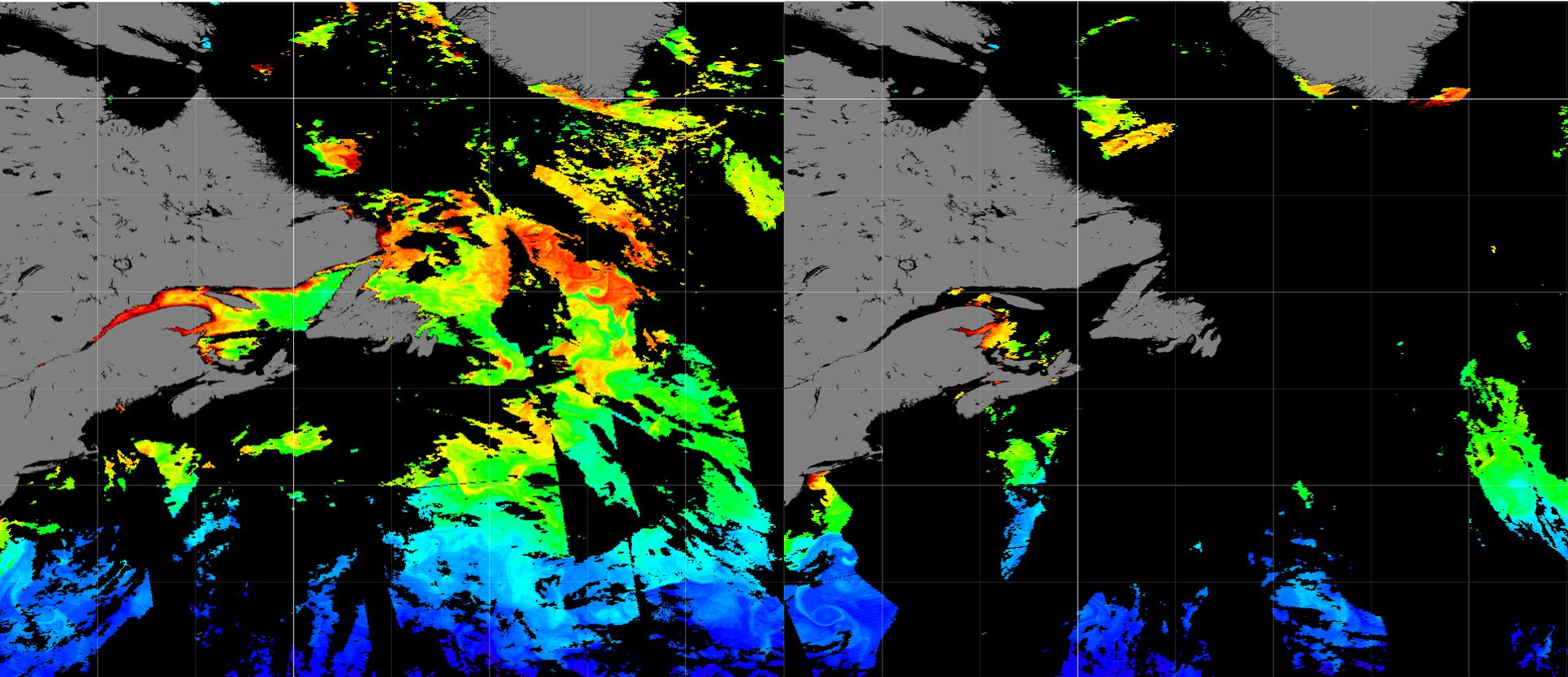
18z Cloud Overlay



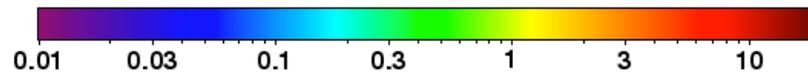
MODIS Aqua Chlorophyll

May 22-24, 2016

May 25, 2016

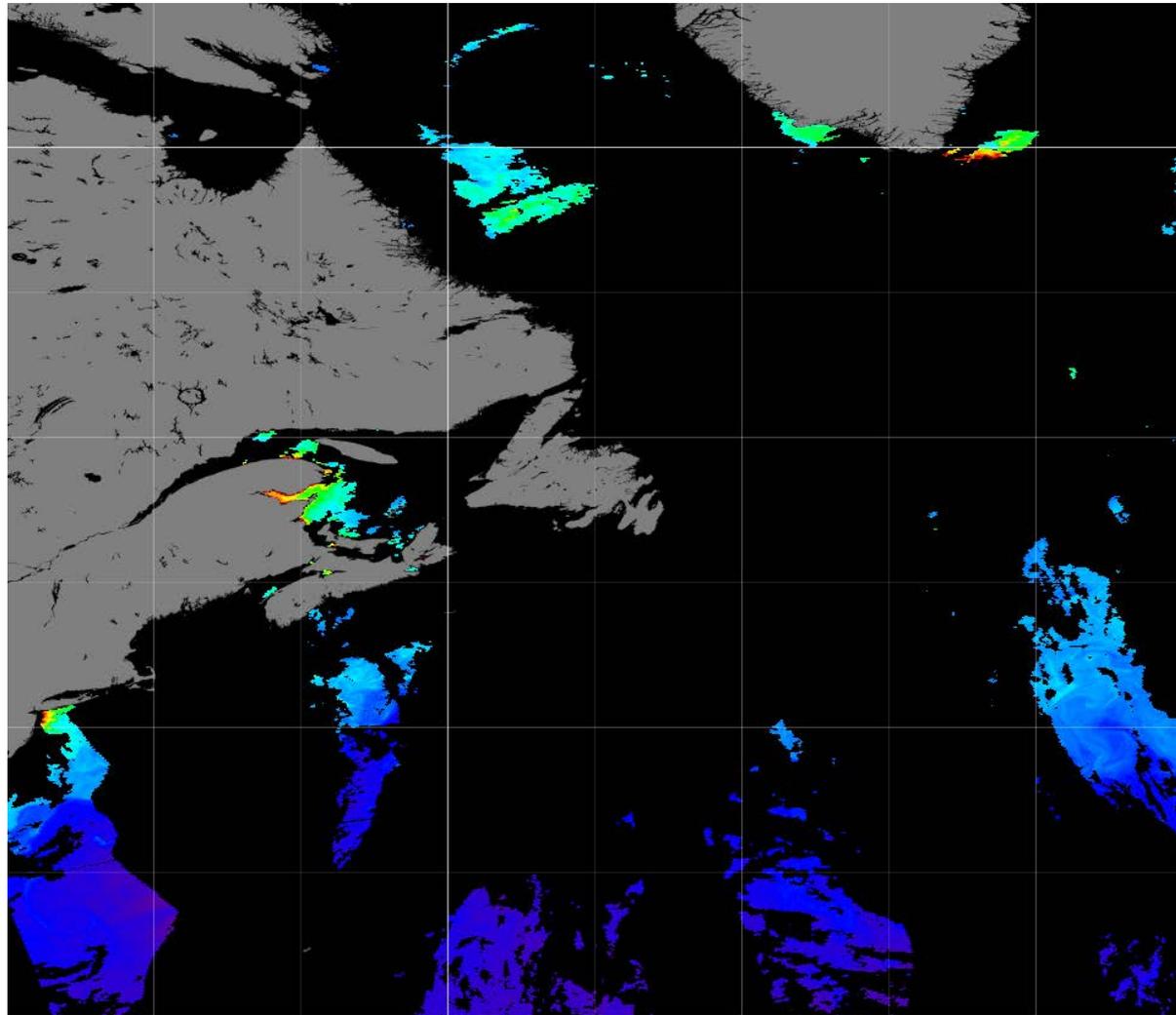


Chlorophyll a concentration (mg / m³)

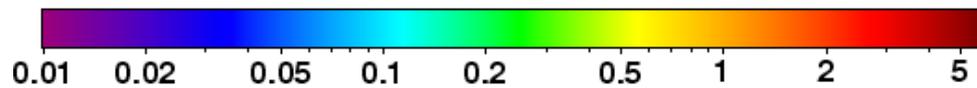


MODIS Aqua Kd

May 25, 2016



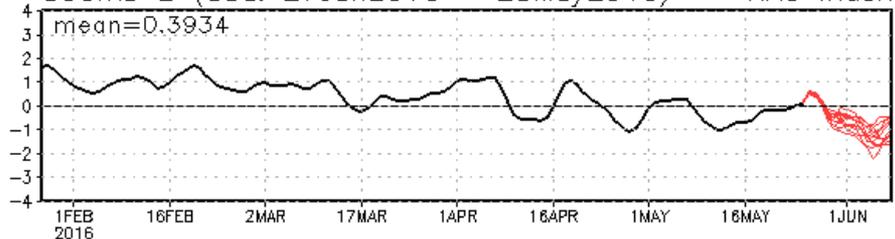
Diffuse attenuation coefficient at 490 nm (m^{-1})



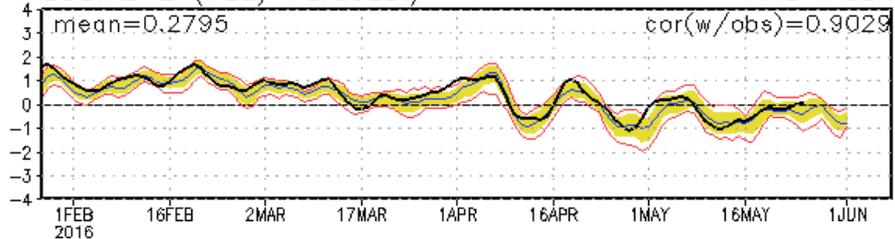
North Atlantic Oscillation

NAO: Observed & ENSM forecasts

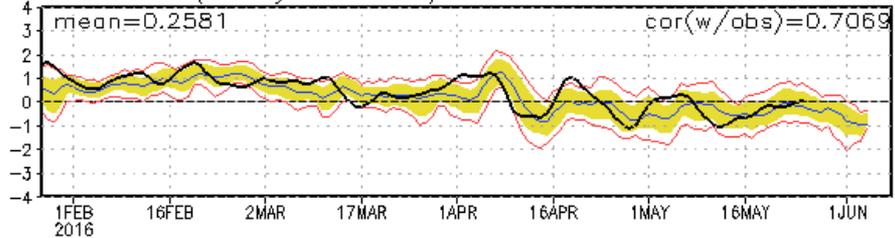
500mb Z (Obs: 27Jan2016 – 25May2016) NAO index



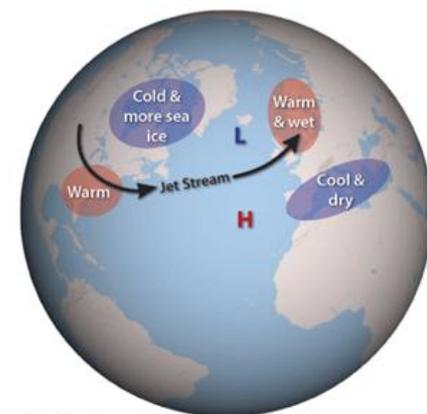
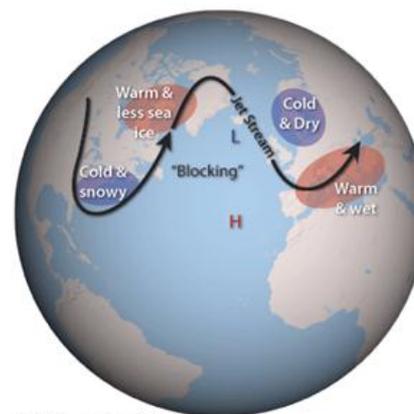
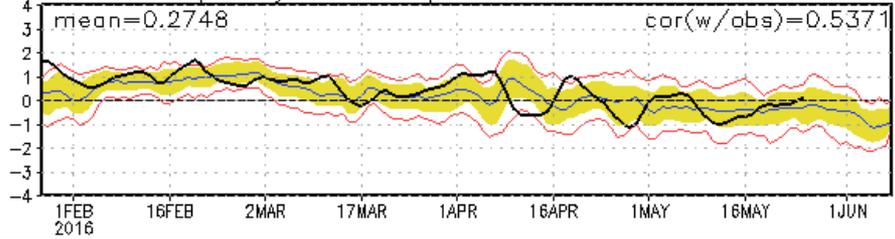
500mb Z (7day Forecast) NAO index



500mb Z (10day Forecast) NAO index

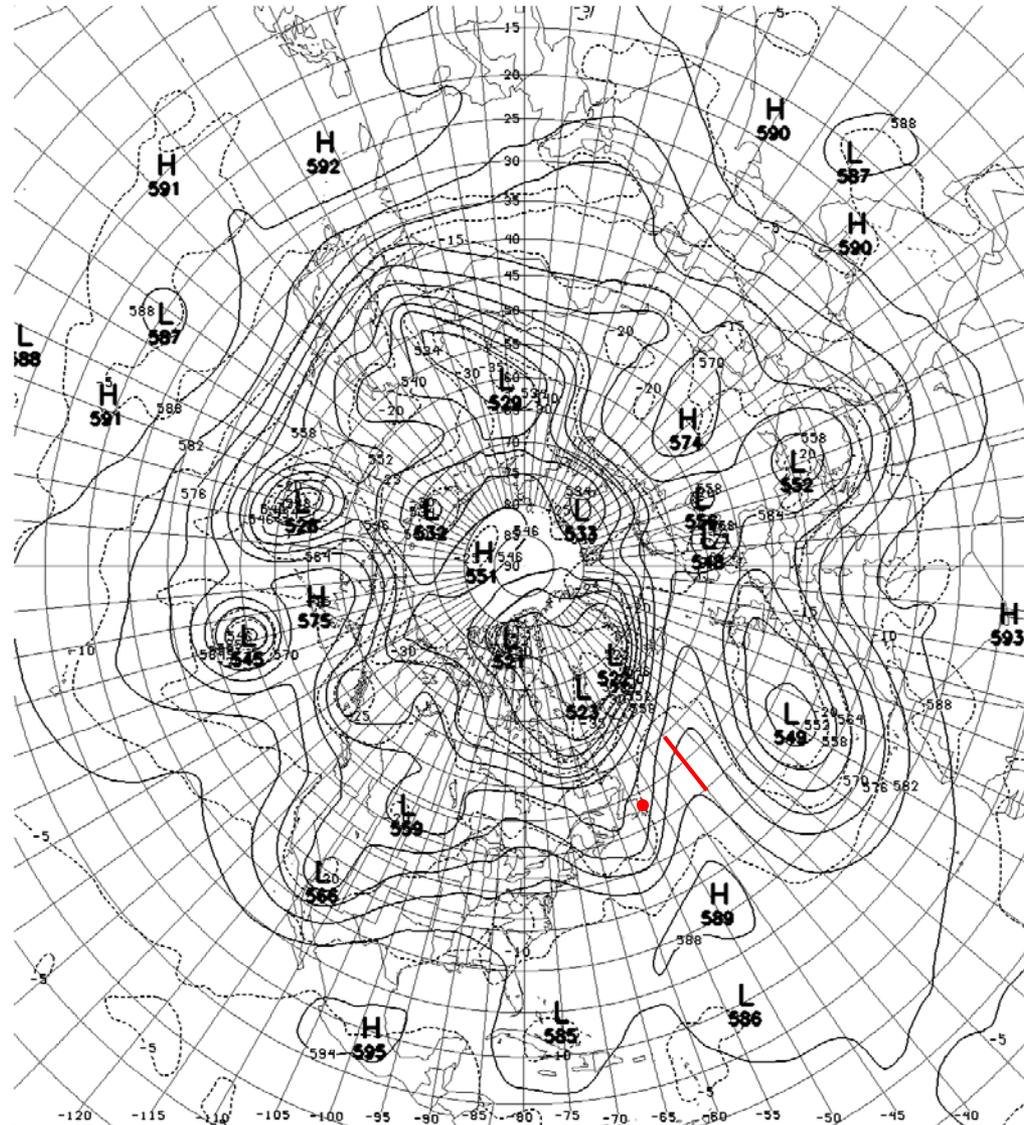


500mb Z (14day Forecast) NAO index



North Atlantic Oscillation

500MB ANALYSIS HEIGHTS/TEMPERATURE



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

Surface Analysis

