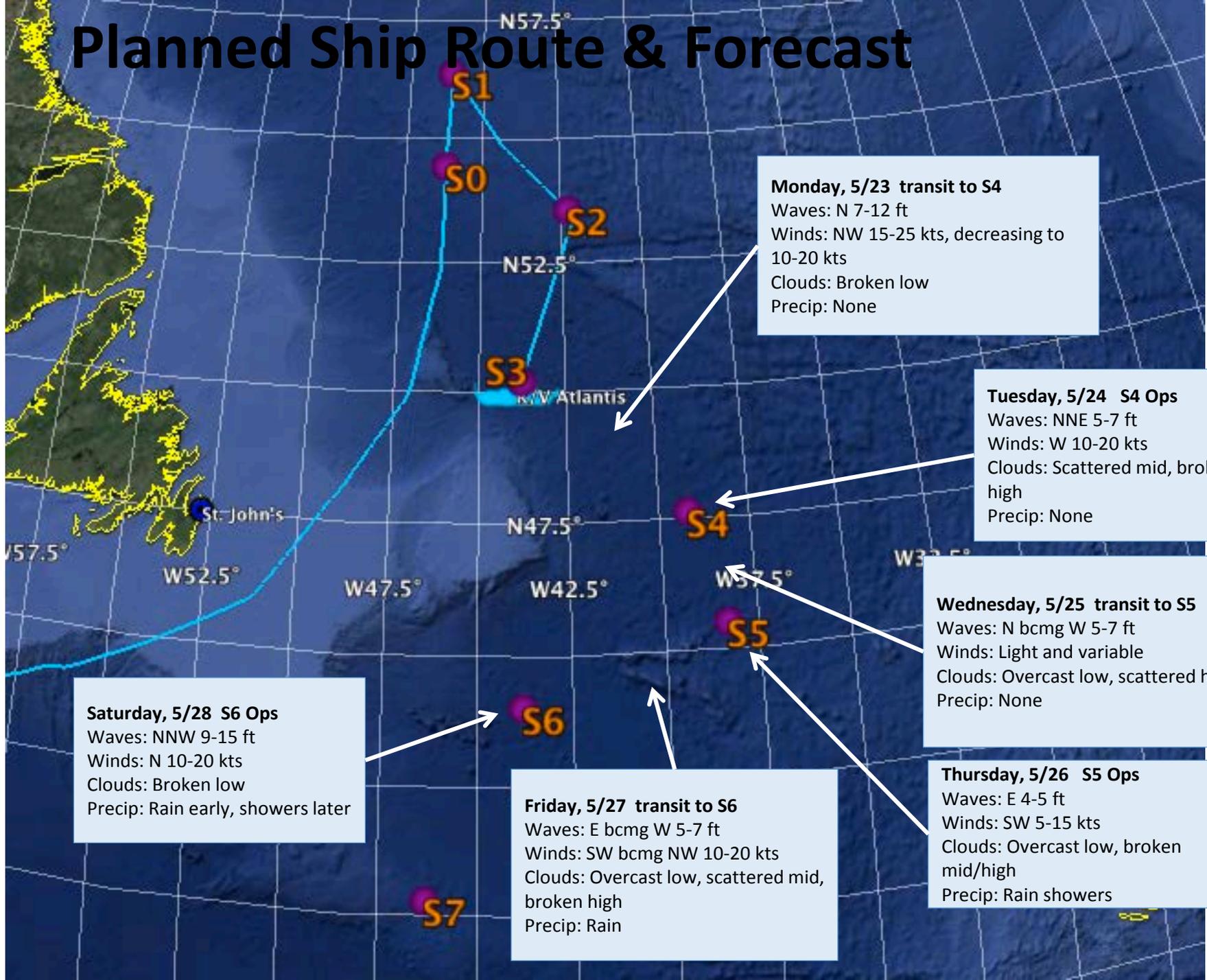


Planned Ship Route & Forecast



Monday, 5/23 transit to S4
Waves: N 7-12 ft
Winds: NW 15-25 kts, decreasing to 10-20 kts
Clouds: Broken low
Precip: None

Tuesday, 5/24 S4 Ops
Waves: NNE 5-7 ft
Winds: W 10-20 kts
Clouds: Scattered mid, broken high
Precip: None

Wednesday, 5/25 transit to S5
Waves: N bcmg W 5-7 ft
Winds: Light and variable
Clouds: Overcast low, scattered high
Precip: None

Thursday, 5/26 S5 Ops
Waves: E 4-5 ft
Winds: SW 5-15 kts
Clouds: Overcast low, broken mid/high
Precip: Rain showers

Friday, 5/27 transit to S6
Waves: E bcmg W 5-7 ft
Winds: SW bcmg NW 10-20 kts
Clouds: Overcast low, scattered mid, broken high
Precip: Rain

Saturday, 5/28 S6 Ops
Waves: NNW 9-15 ft
Winds: N 10-20 kts
Clouds: Broken low
Precip: Rain early, showers later

Forecast Summary

Day 1 (Monday) – May 23

Recommendation: Ship in transit to S4, Potential backward survey + ship work flight

St. John's: Partly cloudy. High 62F. Winds SSW at 10 to 20 mph.

Day 2 (Tuesday) – May 24

Recommendation: Ship at S4, Potential ship work + forward survey flight

St. John's: Partly cloudy. High 68F. Winds SW at 10 to 15 mph.

Day 3 (Wednesday) – May 25

Recommendation: Ship in transit to S5, Potential Fly Day (marine stratus ahead of next system)

St. John's: Cloudy. High 66F. Winds SW at 10 to 20 mph.

Day 4 (Thursday) – May 26

Recommendation: Ship at S5, Not a great flight day

St. John's: Cloudy. Periods of rain early. High near 55F. Winds W at 10 to 15 mph. Chance of rain 90%. Rainfall near a quarter of an inch.

Day 5 (Friday) – May 27

Recommendation: Ship in transit to S6, Potential Fly Day (northern floats/drifters)

St. John's: Decreasing cloudiness and windy. High 44F. Winds NNE at 20 to 30 mph.

Day 6 (Saturday) – May 28

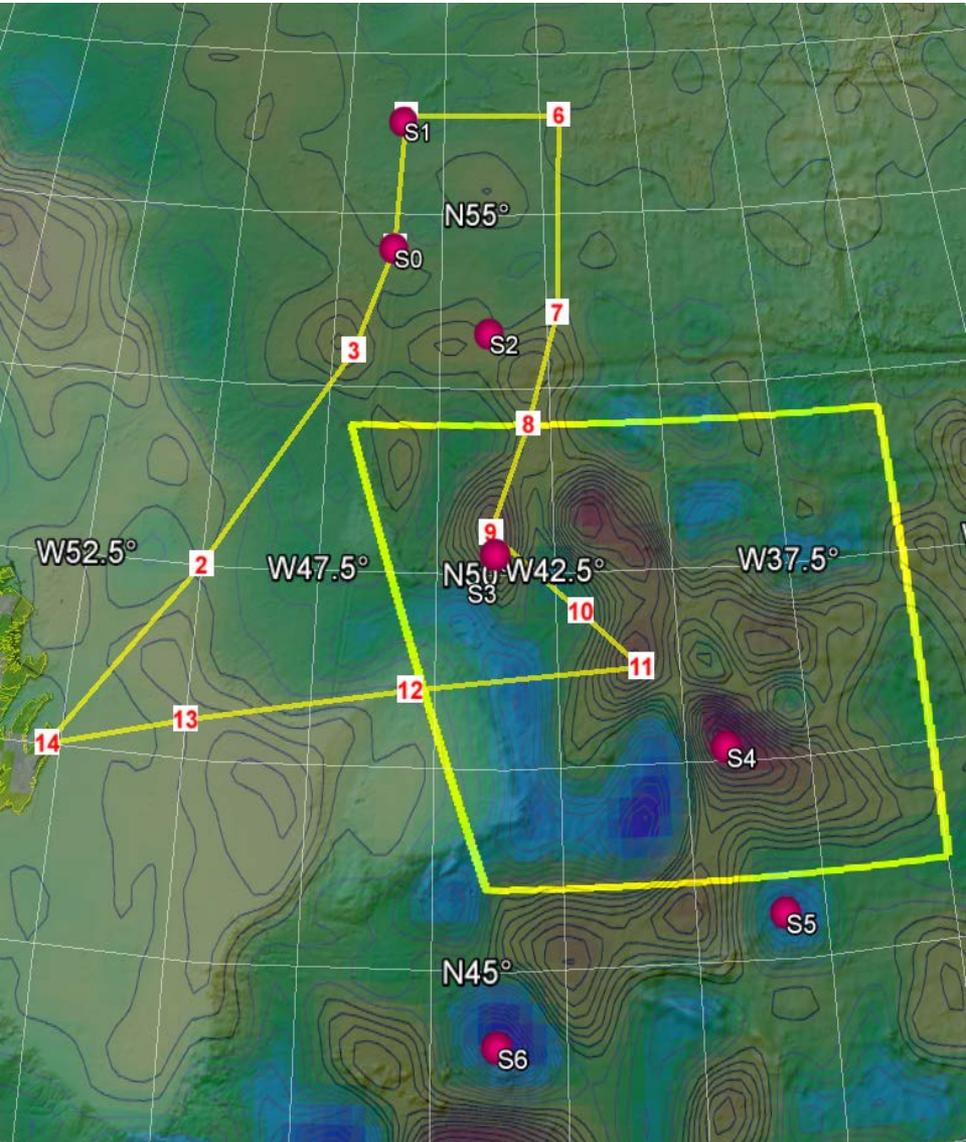
Recommendation: Ship at S6, Potential fly day (broken low clouds ahead of next system)

St. John's: Partly cloudy skies during the morning hours will give way to occasional showers in the afternoon. High 51F. Winds SW at 10 to 20 mph. Chance of rain 50%.

CALIPSO tracks through domain on 20th, 21st, 23rd, 25th, 27th, and 30th.

Monday Flight Plan

SLA Overlay

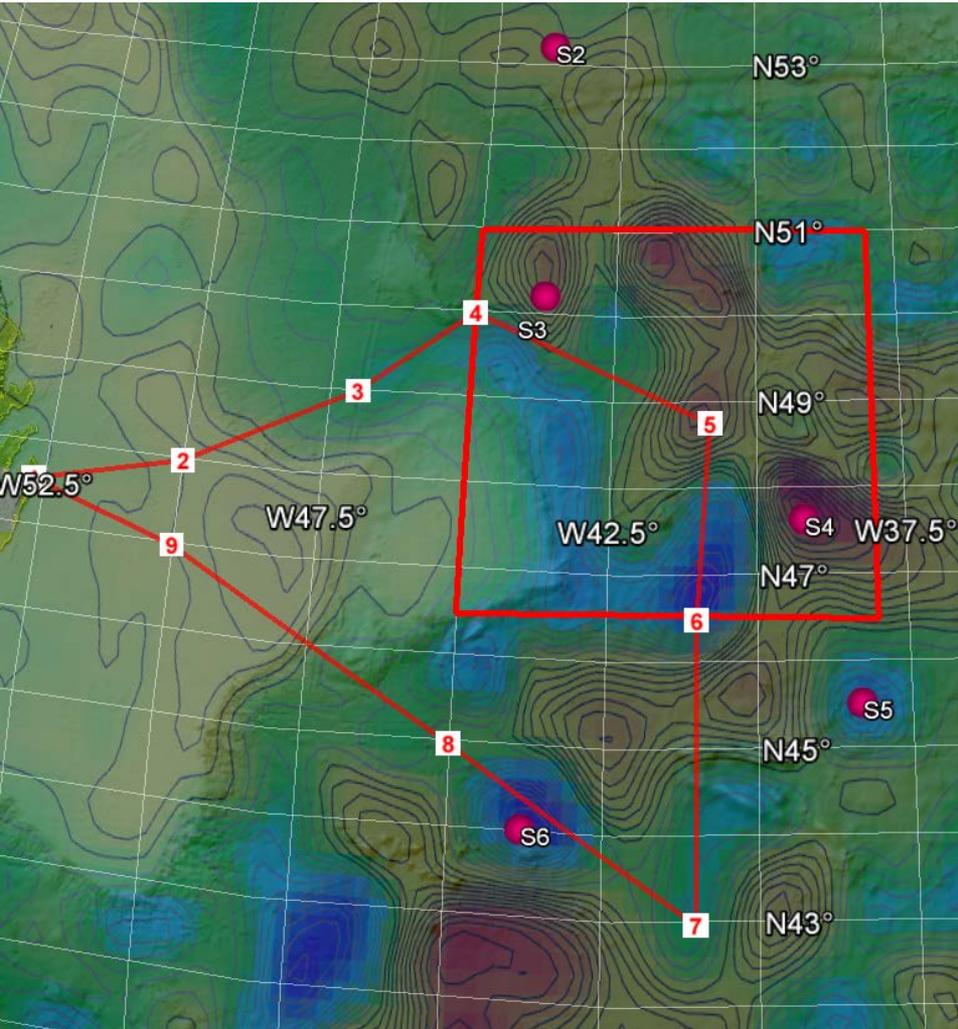


18z Cloud Overlay

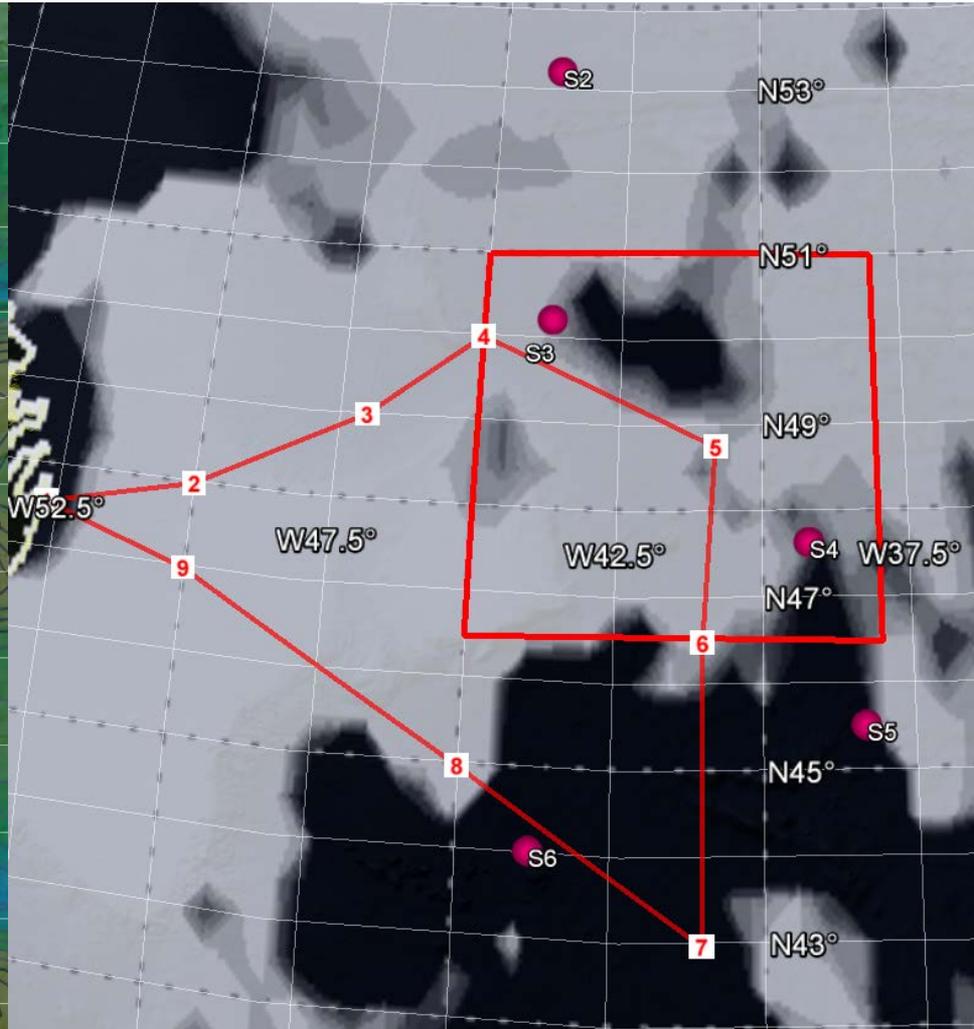


Tuesday Flight Plan

SLA Overlay



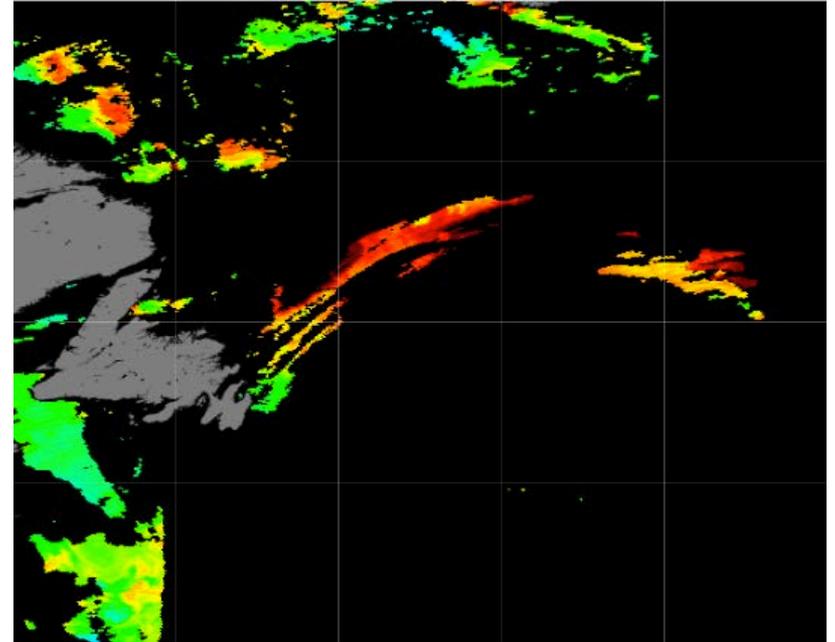
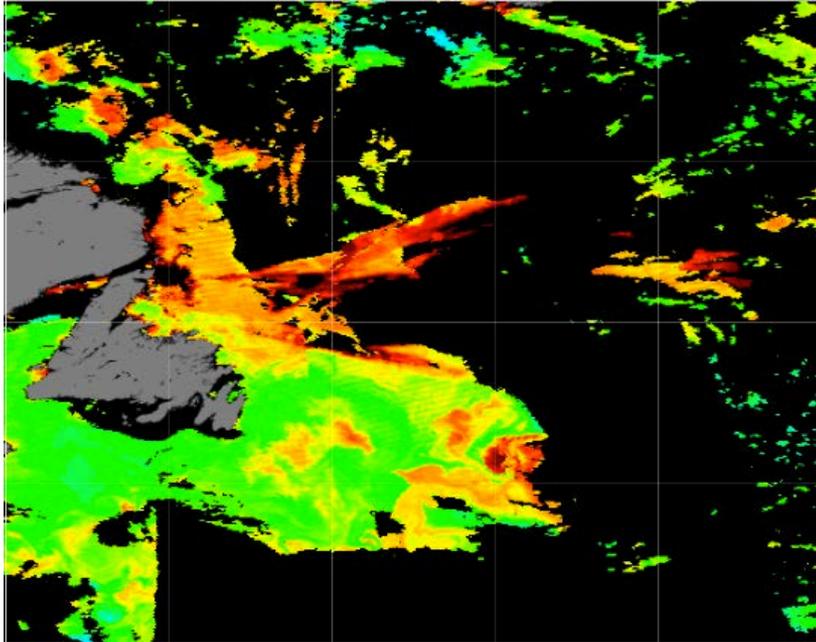
18z Cloud Overlay



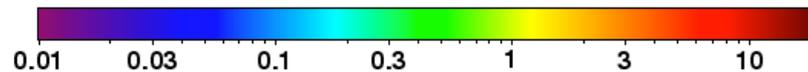
MODIS Aqua Chlorophyll

May 19-21, 2016

May 21, 2016

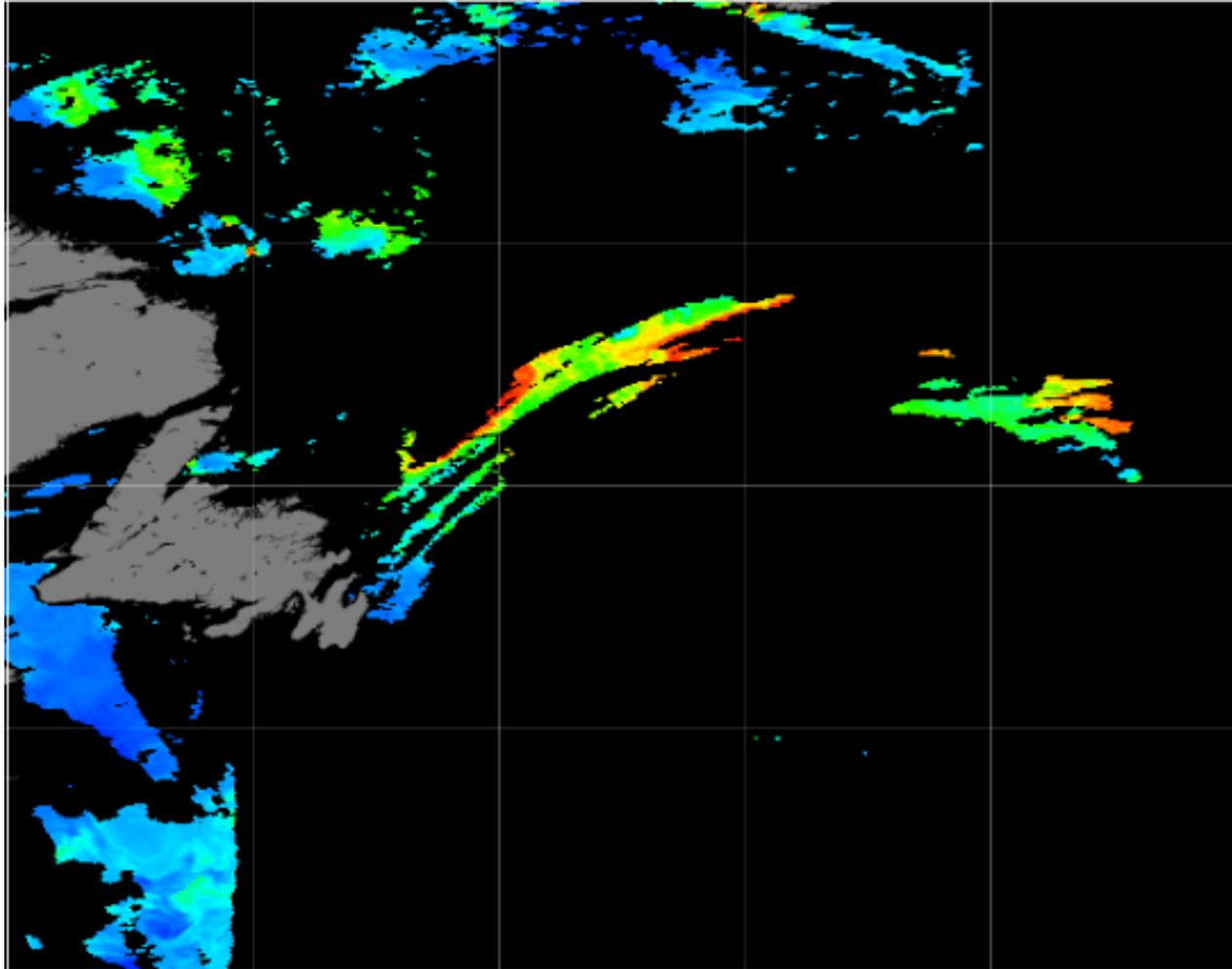


Chlorophyll a concentration (mg / m³)

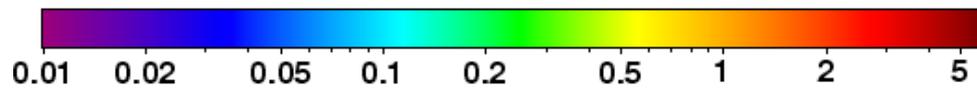


MODIS Aqua Kd

May 21, 2016

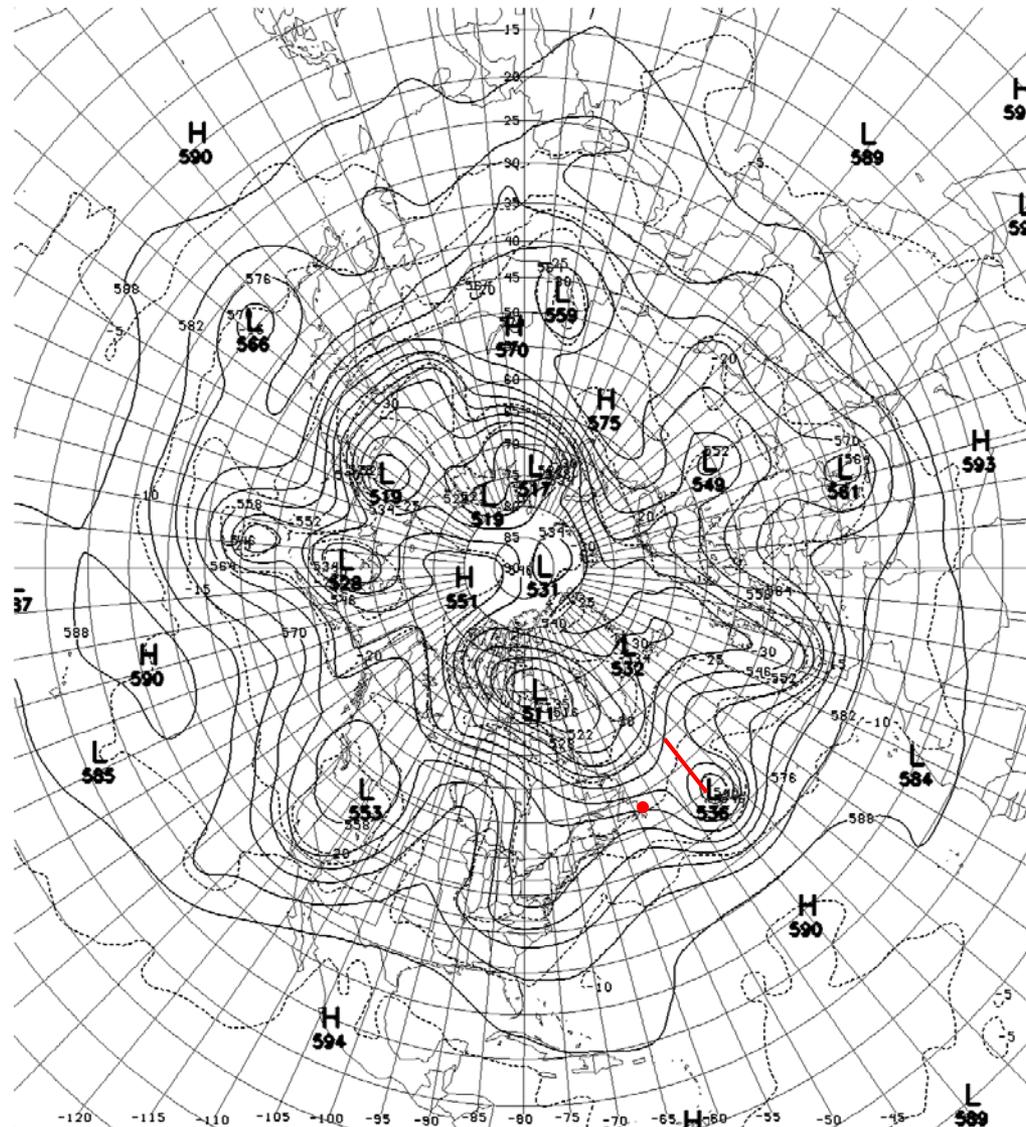


Diffuse attenuation coefficient at 490 nm (m^{-1})



North Atlantic Oscillation

500MB ANALYSIS HEIGHTS/TEMPERATURE



05/22/2016 06UTC 000HR FCST VALID SUN 05/22/2016 06UTC NCEP/NWS/NOAA

Surface Analysis

