

# **NAAMES**

# **WX Briefing**

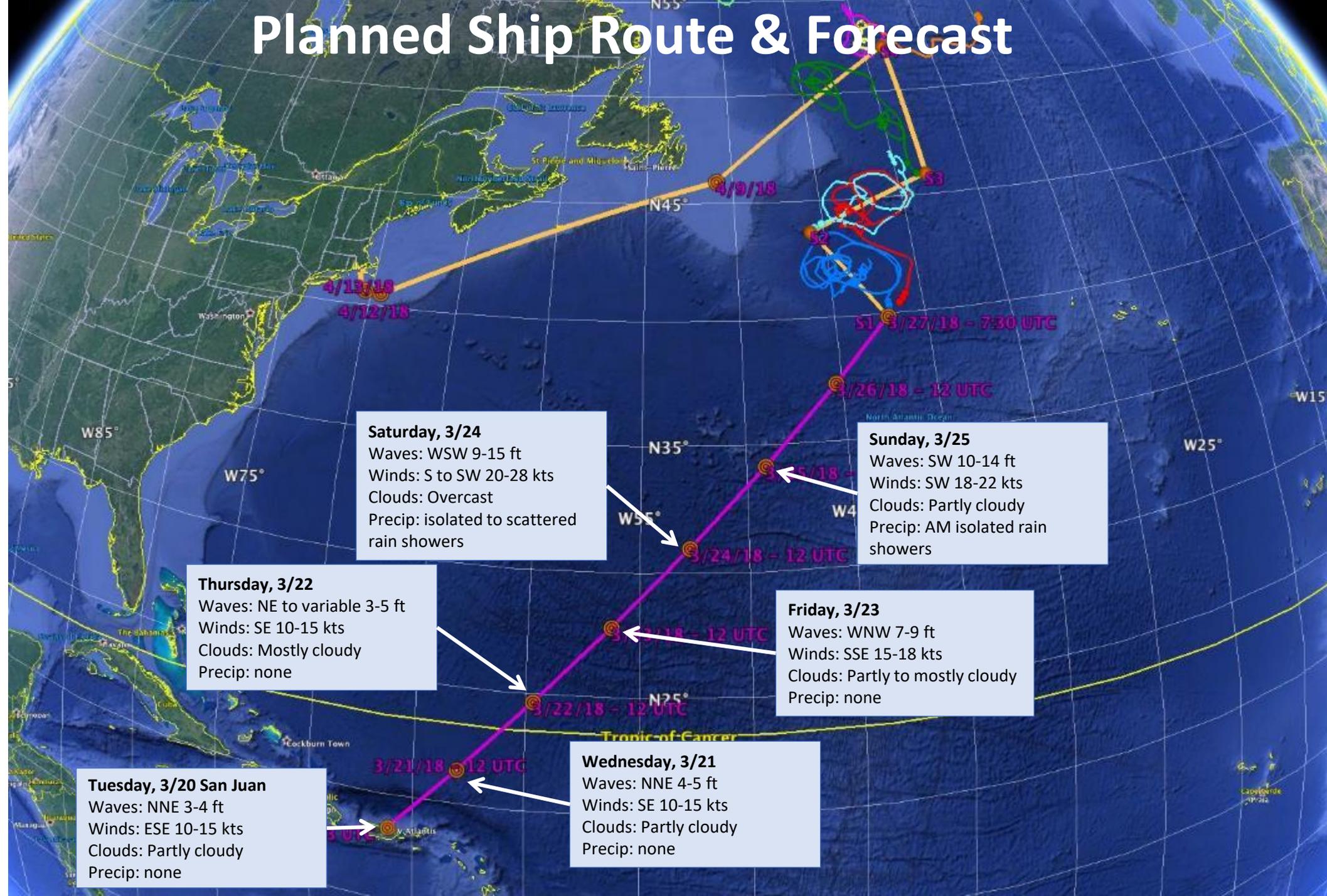
**Monday, March 19, 2018**

Amy Jo Scarino

# Forecast Highlights

- Partly cloudy and warm in San Juan for today with some afternoon/evening rain showers, Partly cloudy for Tuesday morning
- Wallops- rain/wind on Tuesday and Wednesday morning, looks like rain will change over to snow Wednesday midday/afternoon – will clear out rest of the week with next chance of precip on Saturday evening
- St. John's more snow today, lots of clouds and winds T/W, Thursday they will get the nor'easter wintry mix, possibility of rain/show on Saturday afternoon/evening (models currently disagree on location of precip and OC line draped over SJ) and snow on Sunday

# Planned Ship Route & Forecast



# San Juan – Current & Forecast

© 10:35 AM AST on March 19, 2018 (GMT -0400) | Updated 6 minutes ago

83° | 71°  
**87° F**  
FEELS LIKE 91°



Partly Cloudy



Wind SW



**TODAY**  
MON 03/19  
HIGH 83 ° F

[50% Precip. / 0.97 in](#)

PM Showers. High 83F. Winds ENE at 5 to 10 mph.



**TONIGHT**  
MON 03/19  
LOW 71 ° F

[20% Precip. / 0.00 in](#)

Partly Cloudy. Low 71F. Winds light and variable.



**TOMORROW**  
TUE 03/20  
HIGH 87 | 73 ° F

[10% Precip. / 0.00 in](#)

Mostly Sunny. High 87F. Winds ESE at 10 to 20 mph.

Today is forecast to be **COOLER** than yesterday.



# Wallops – Current & Forecast

© 10:34 AM EDT on March 19, 2018 (GMT -0400) |

Updated a few seconds ago

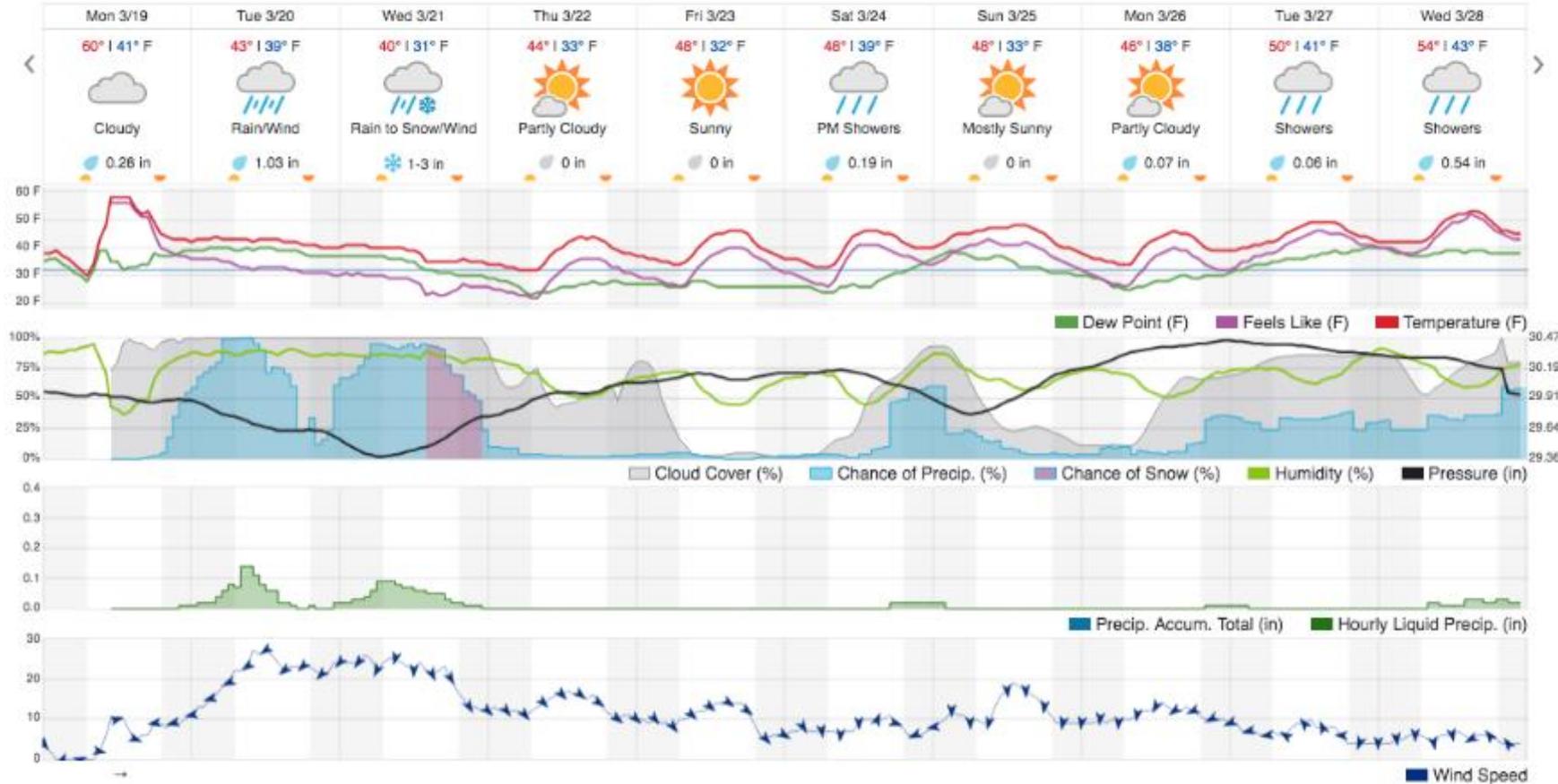
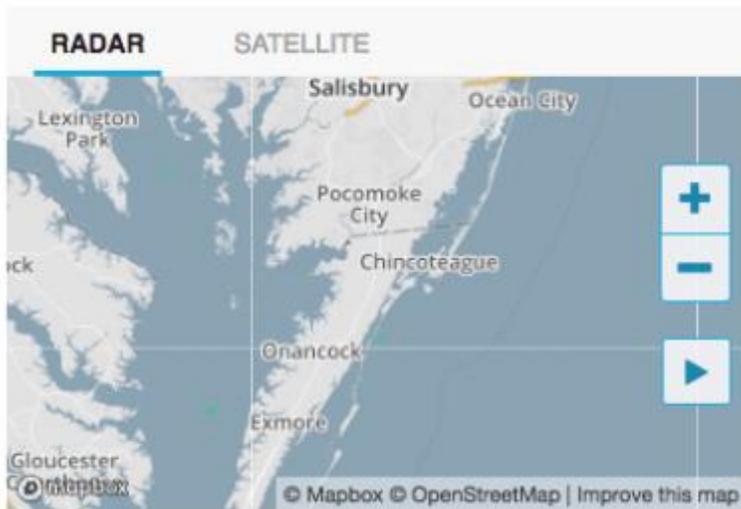


Mostly Cloudy



Wind W  
Gusts 12 mph

Today is forecast to be **MUCH WARMER** than yesterday.

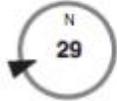


# St. John's - Current & Forecast

© 1:02 PM NDT on March 19, 2018 (GMT -0230) | Updated 33 minutes ago

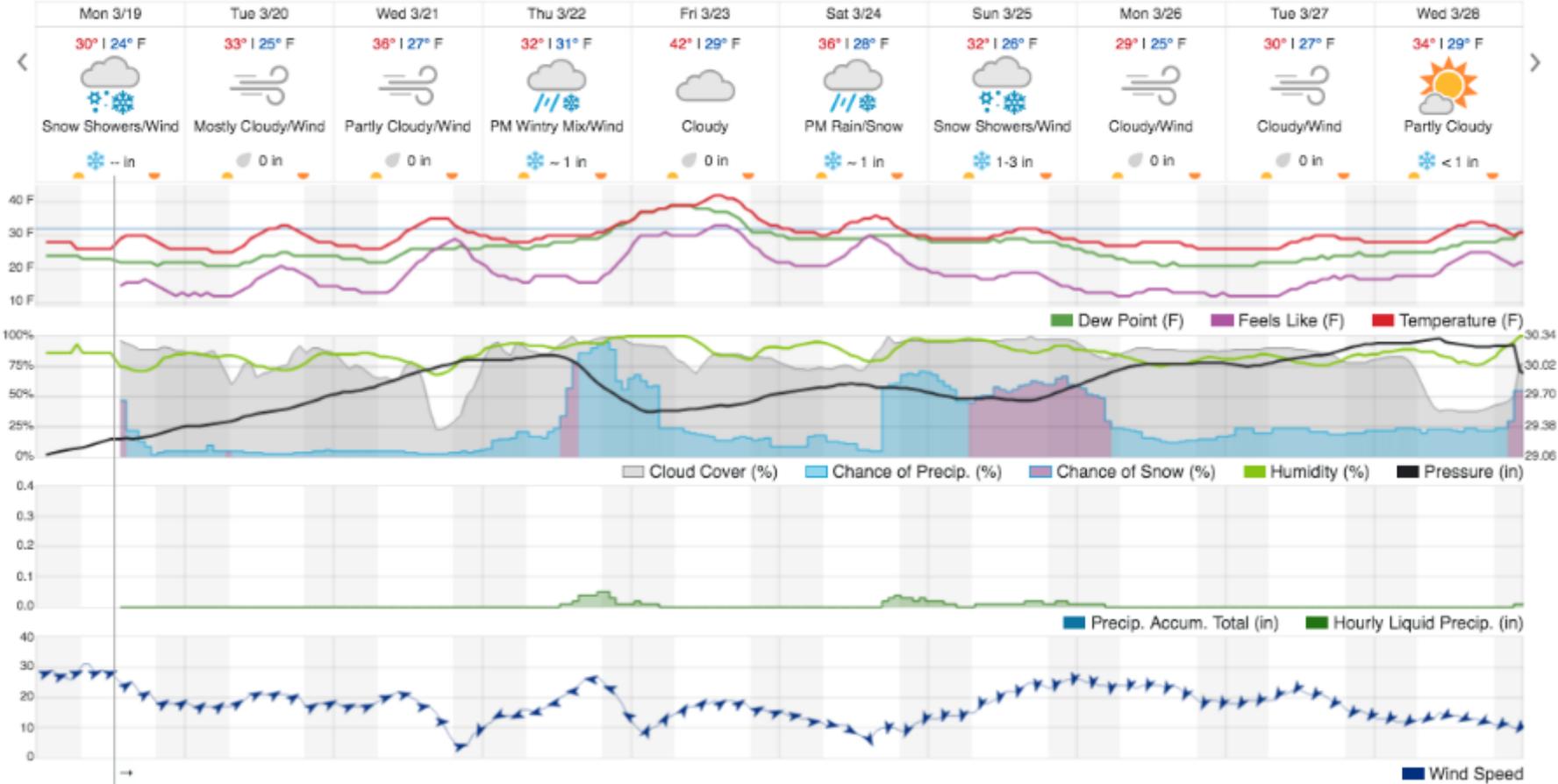


Cloudy/Wind

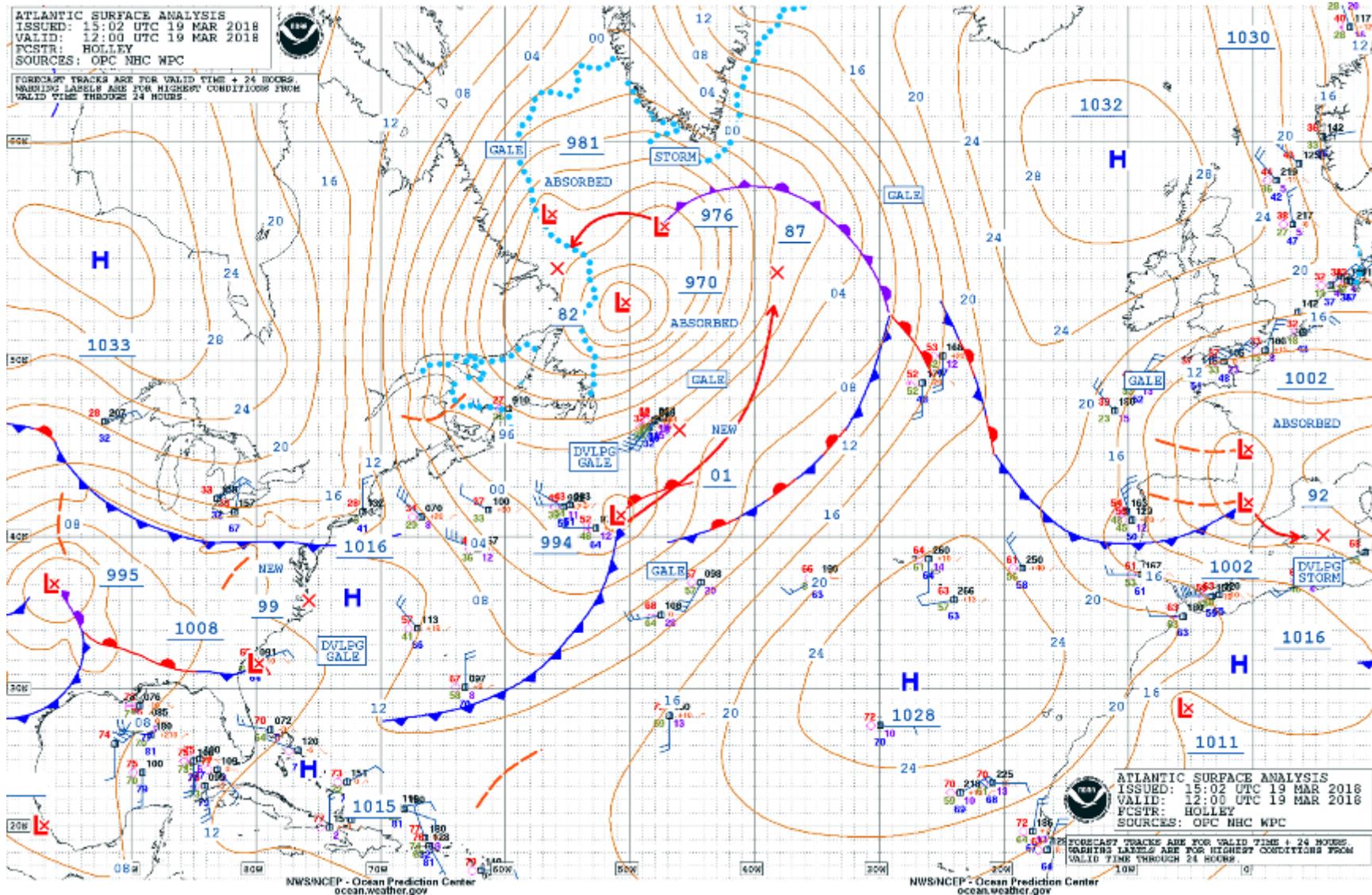


Wind WSW  
Gusts 37 mph

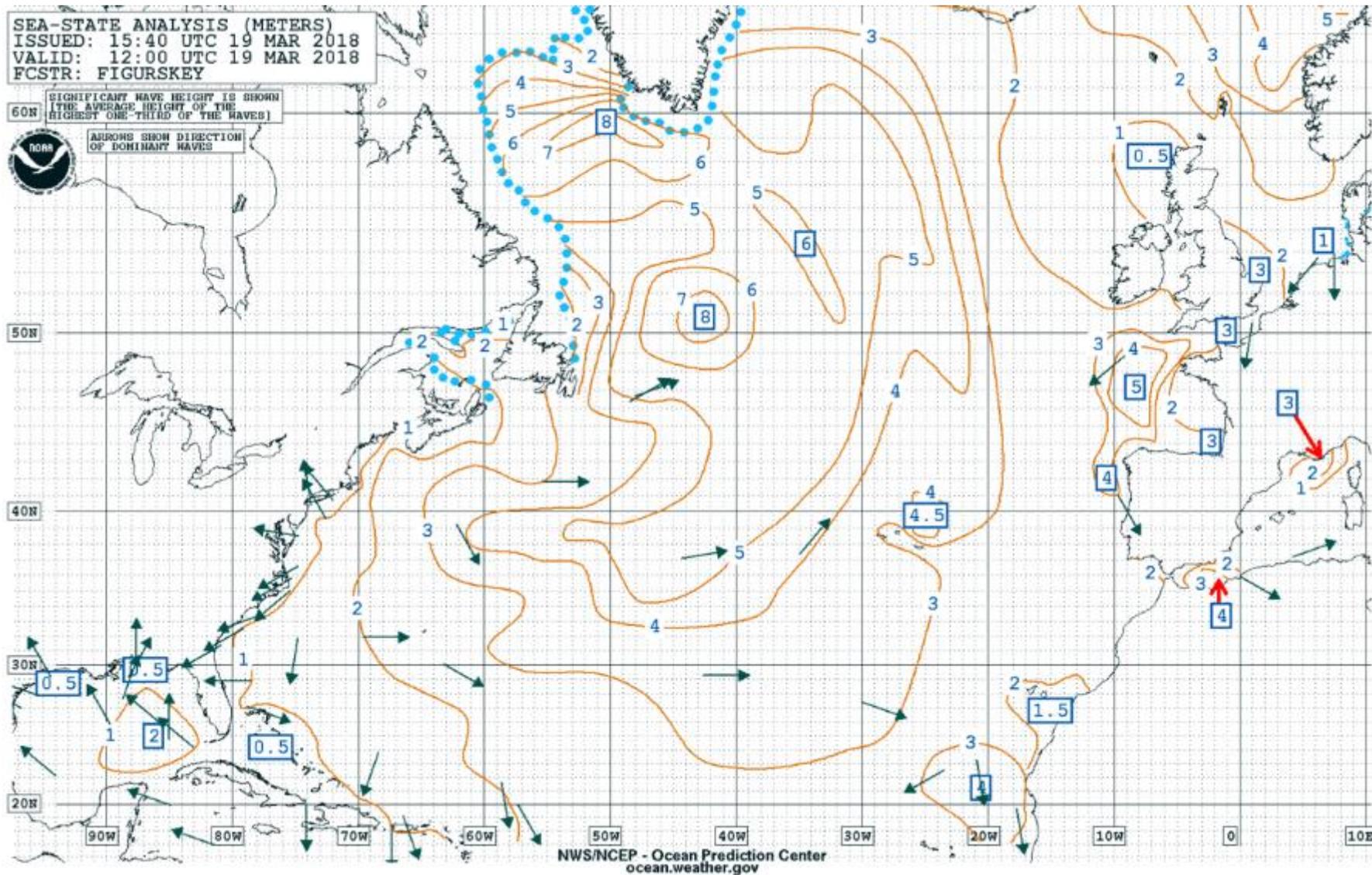
Today is forecast to be **NEARLY THE SAME** temperature as yesterday.



# Surface Analysis



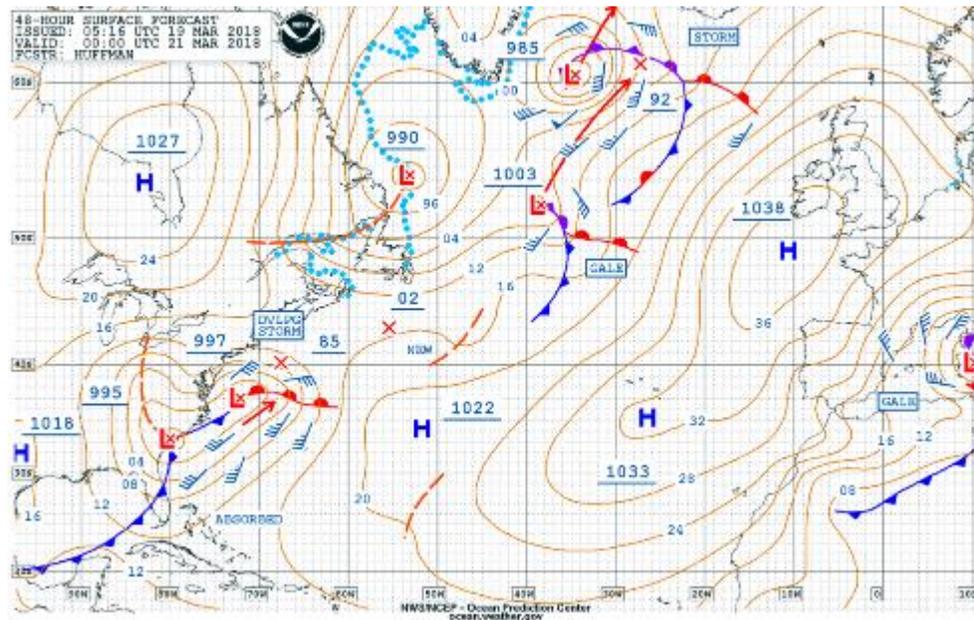
# Sea State Analysis



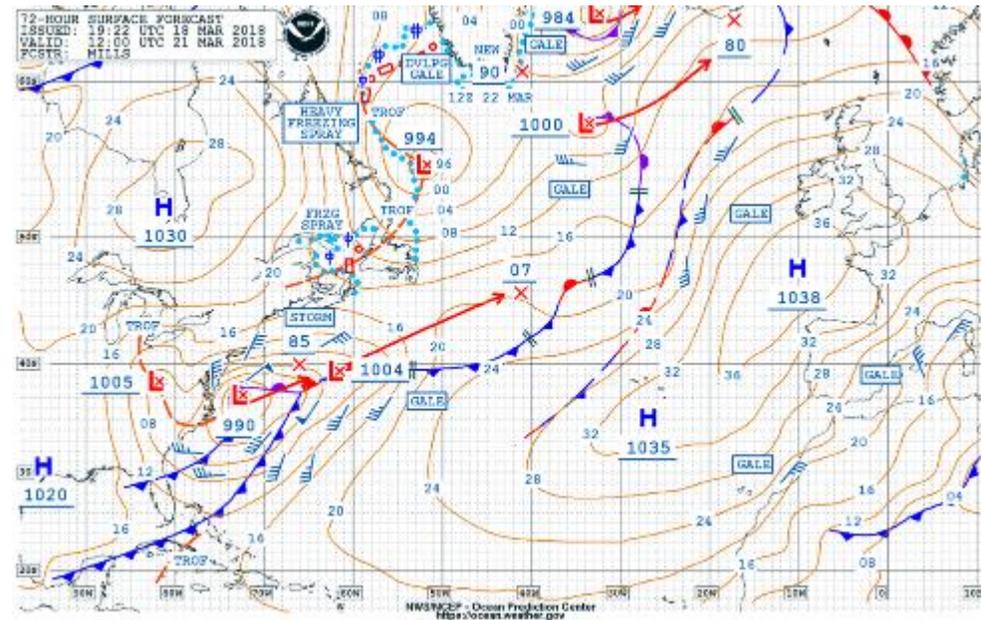
- Significant Wave Height is shown (in meters). This is the average height of the highest one-third of the waves
- Arrows show direction of dominant waves

# Synoptic Forecast

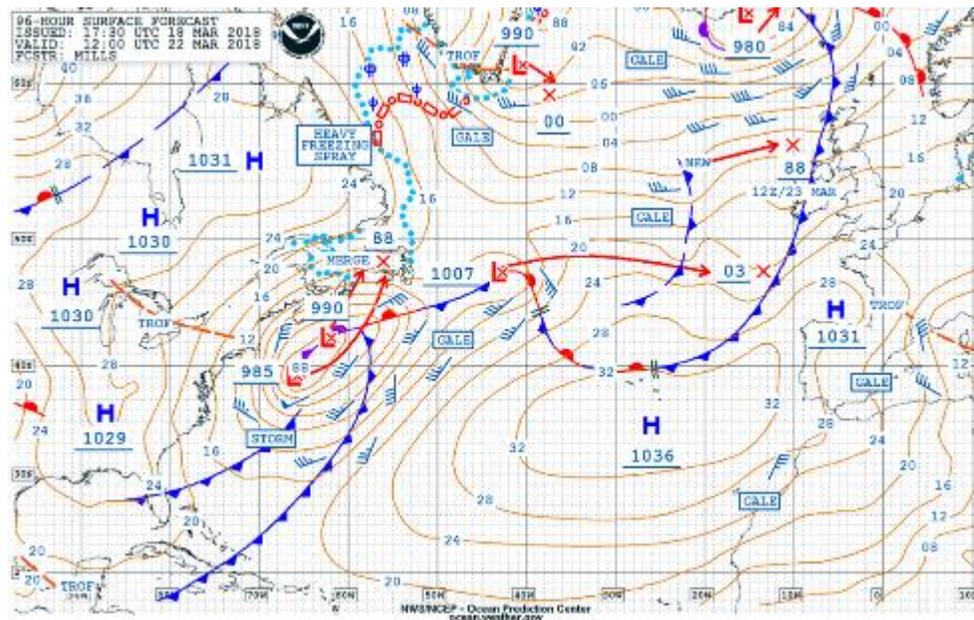
## Tuesday 8pm



## Wednesday 8am



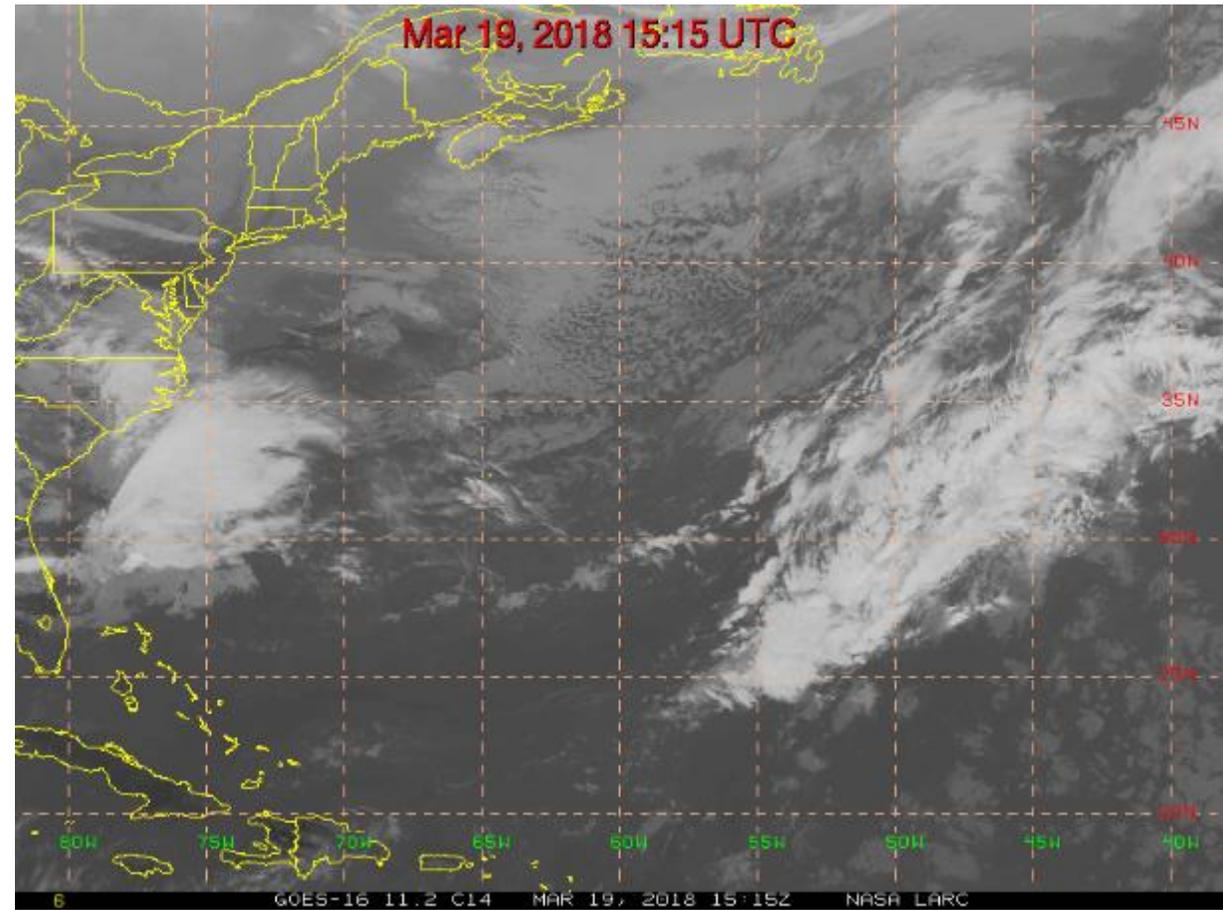
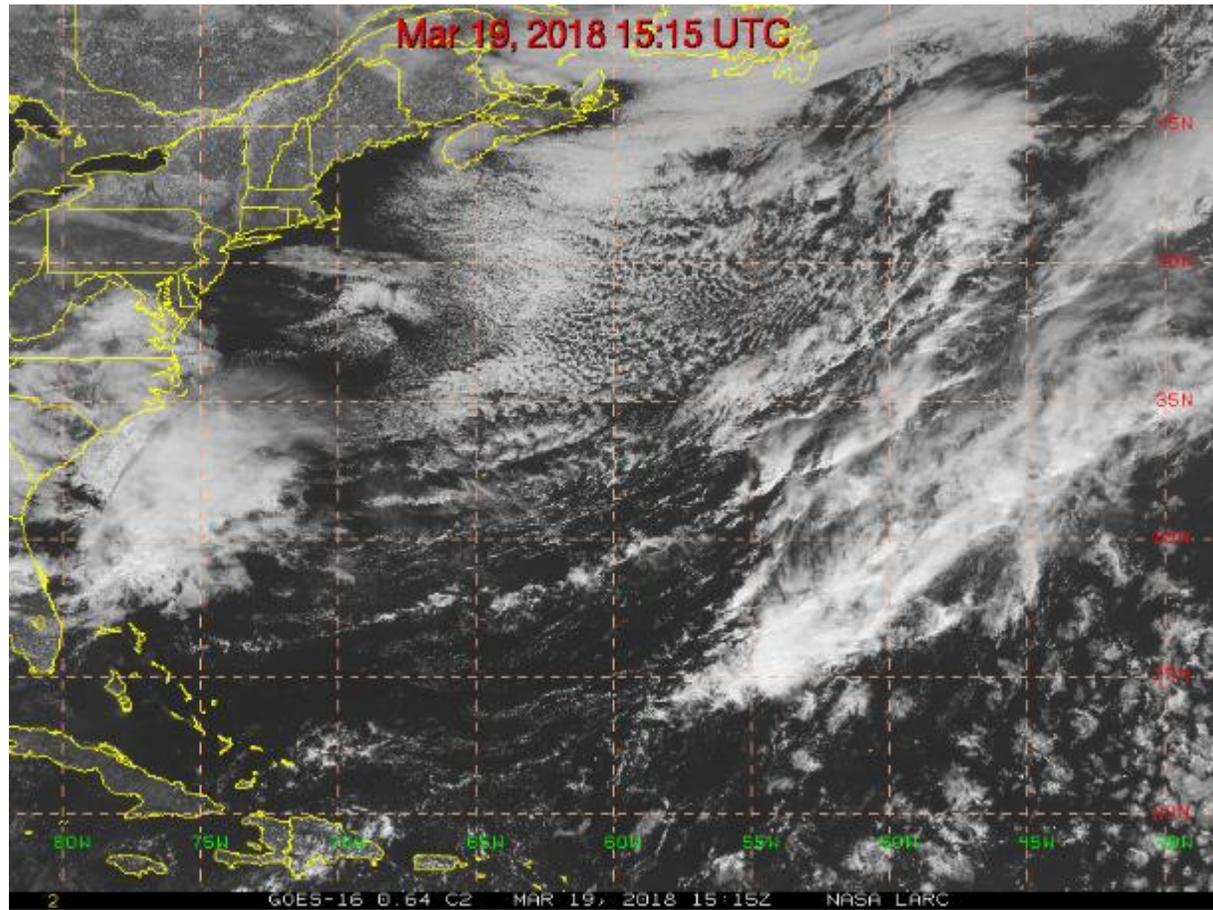
## Thursday 8am



# GOES-16 Imagery (3/19 15:15 UTC)

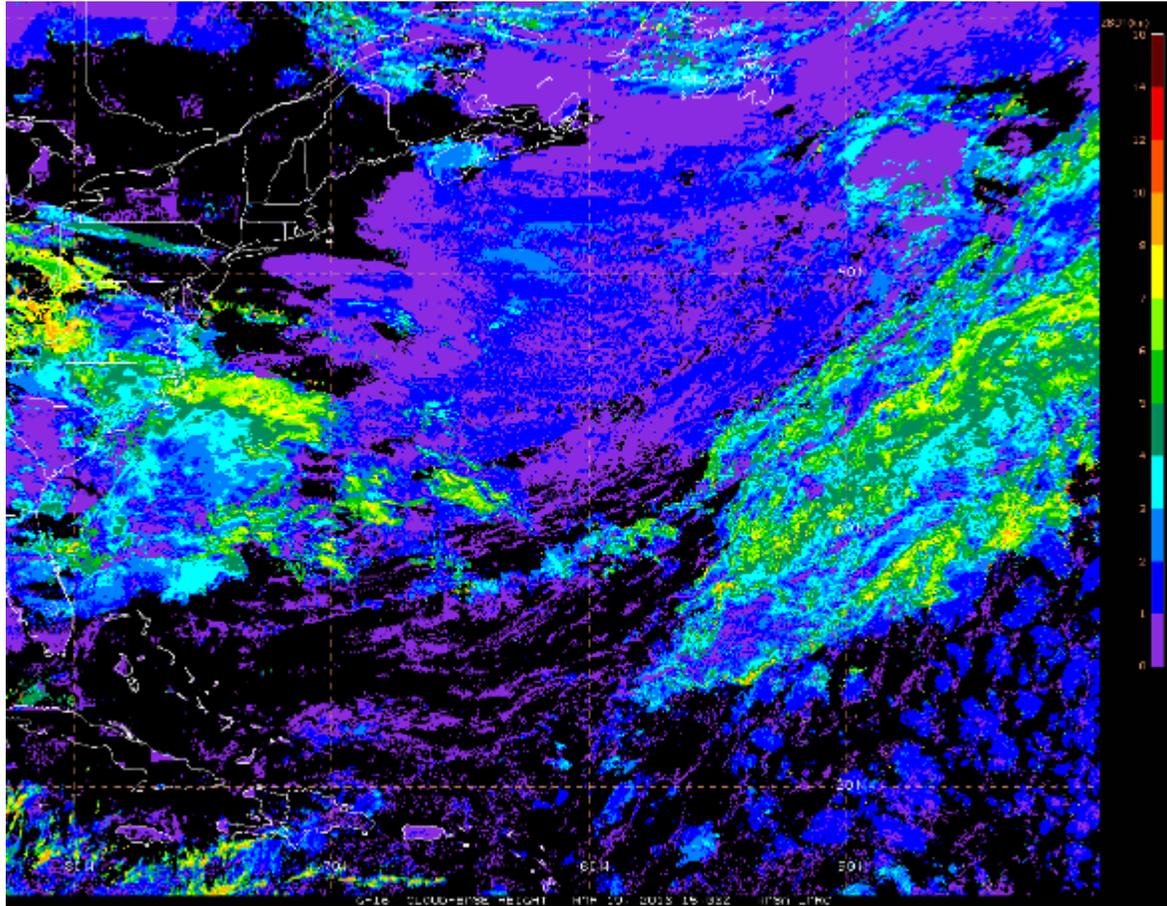
Visible

IR

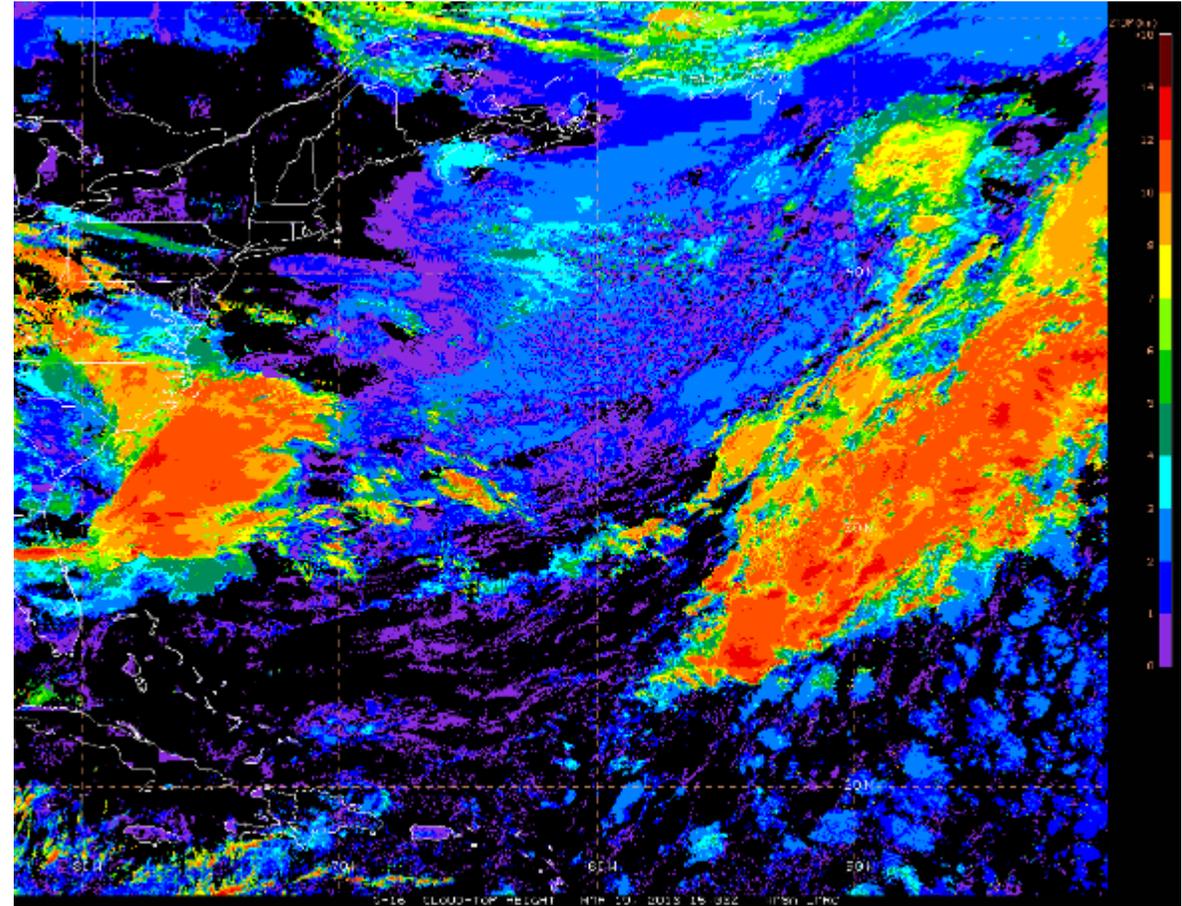


# GOES-16 Cloud Products (3/19 15:00 UTC)

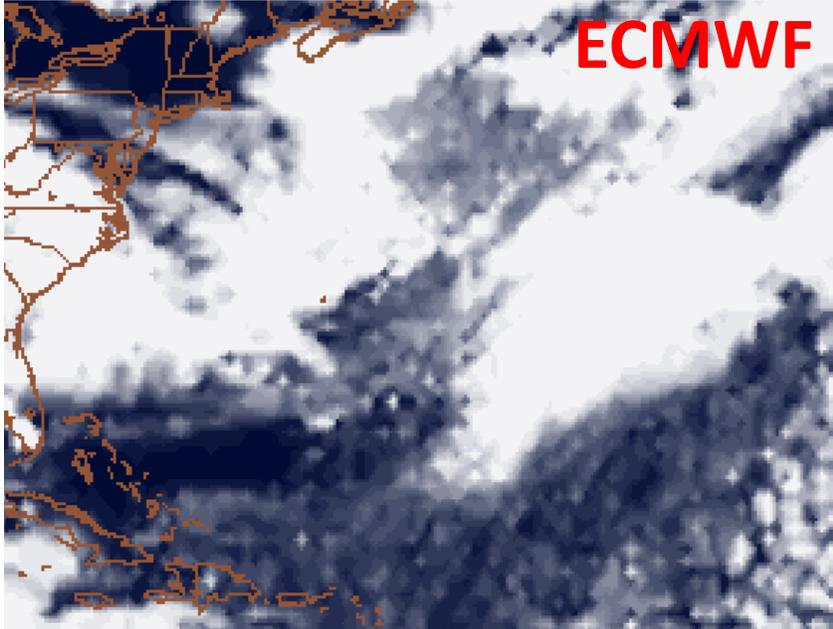
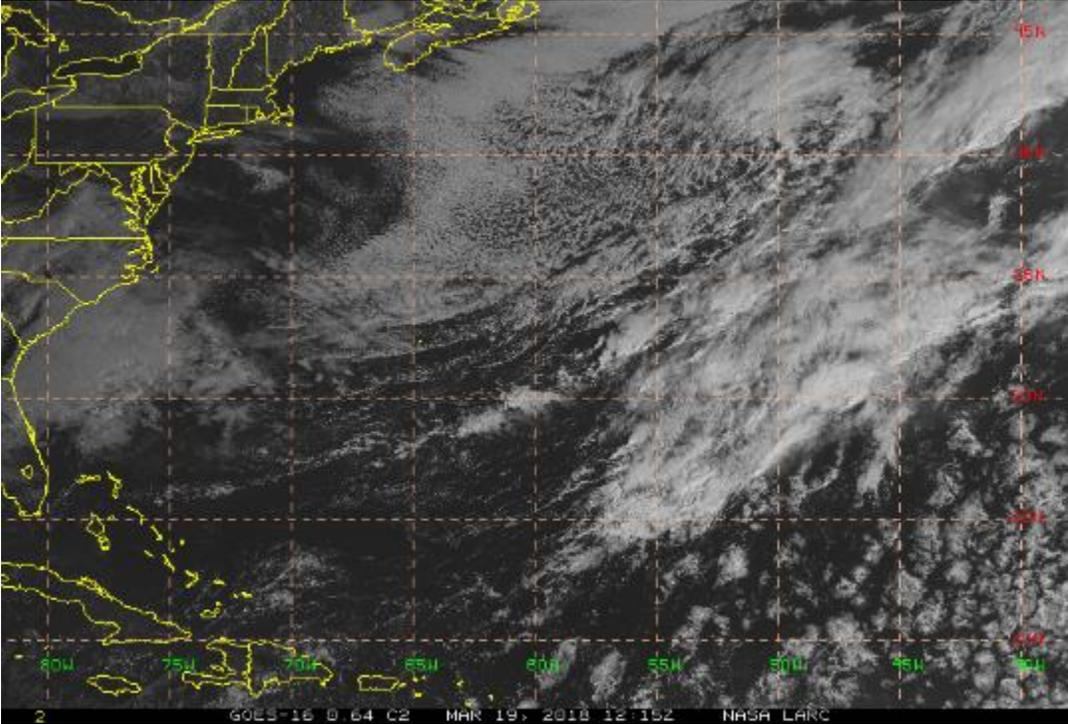
Cloud Base Heights



Cloud Top Heights



# Cloud Verification – 12:15z observed/12z 4cast



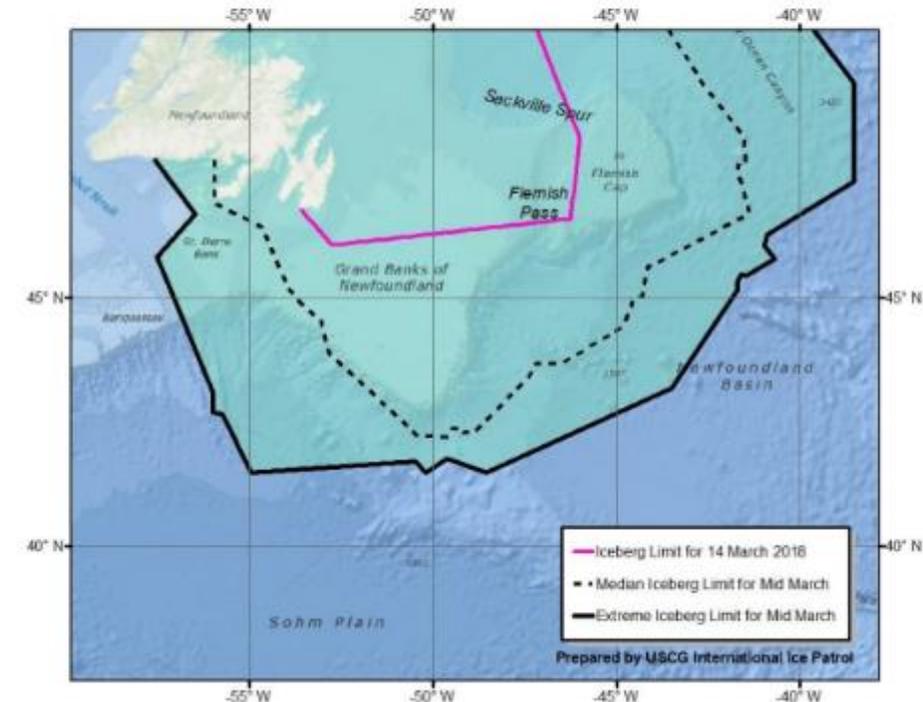
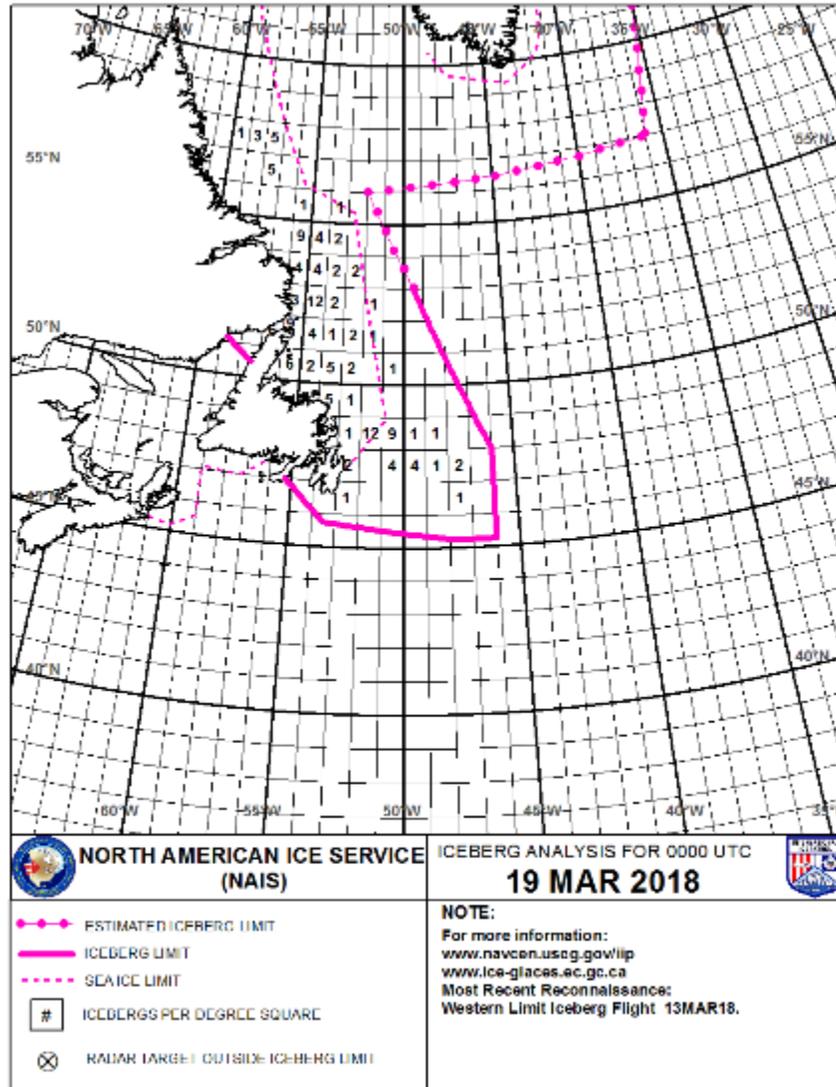
# Sea Ice and Icebergs

IIP 14MAR18 0000Z  
 SEVEN-DAY ICEBERG OUTLOOK FOR EAST NEWFOUNDLAND WATERS AND THE LABRADOR COAST ISSUED BY INTERNATIONAL ICE PATROL (IIP) ON 14 MARCH 2018. THE NEXT ICEBERG OUTLOOK WILL BE ISSUED ON 21 MARCH 2018.

Labrador Coast and Strait of Belle Isle (NORTH OF 52°N):  
 Sea ice will remain within 120 NM of the Labrador Coast. **Forecasted negative NAO index** and corresponding onshore winds will hold sea ice growth in check over the next seven days. Many icebergs are drifting outside of the sea ice edge along the 1000 meter depth contour. IIP estimates that a total of 180 icebergs are present along the Labrador and Newfoundland Coasts.

Newfoundland (SOUTH OF 52°N):  
 Sea ice edge continued to move toward the Newfoundland coast and north of 48°N exposing many icebergs to deterioration in open water. IIP aerial observations and forecasted drift show few icebergs drifting southward near the Flemish Pass holding the Iceberg Limit well within the mid-March median as shown with the dashed line below.

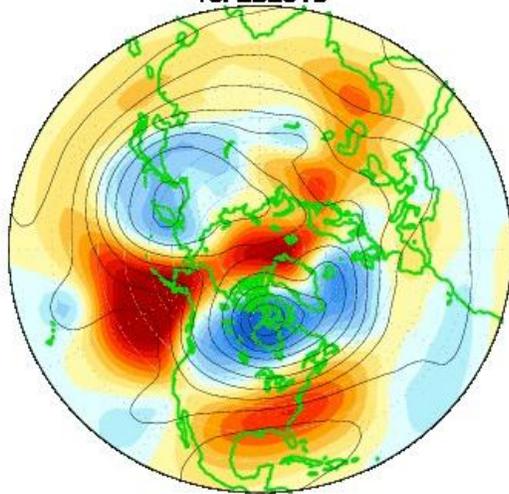
The Iceberg Limit is expected to remain north of 45°N and well within the mid-March median Iceberg Limit (dashed line) over the next seven days. As of 13 March 2018, 20 icebergs have drifted or been sighted south of 48°N in the transatlantic shipping lanes. On average, 85 icebergs drift south of this latitude by the end of March based on data collected between 1900 and 2017.



# Current NAO

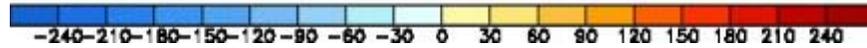
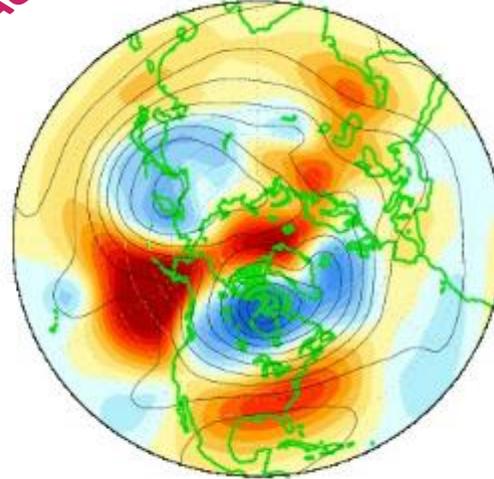
Will animate in slideshow

CDAS 500-hPa HT Anoms (5d rm)  
16FEB2018



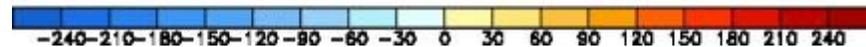
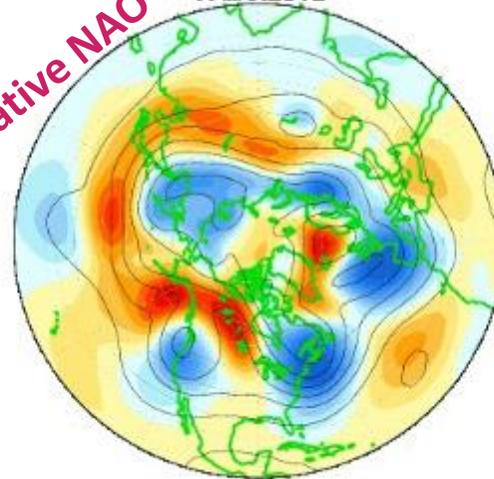
Positive NAO

CDAS 500-hPa HT Anoms (5d rm)  
16FEB2018

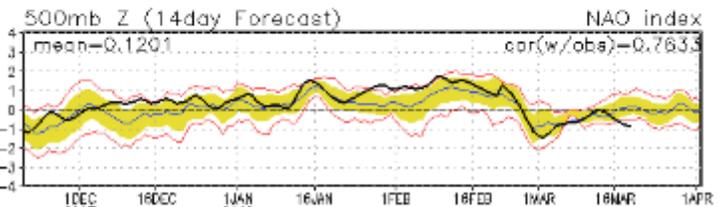
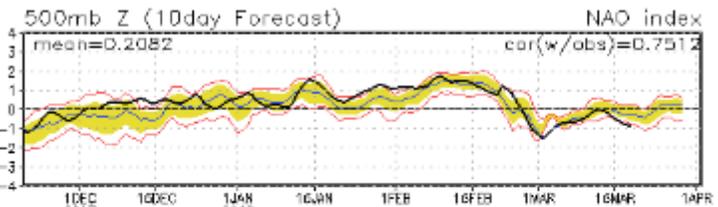
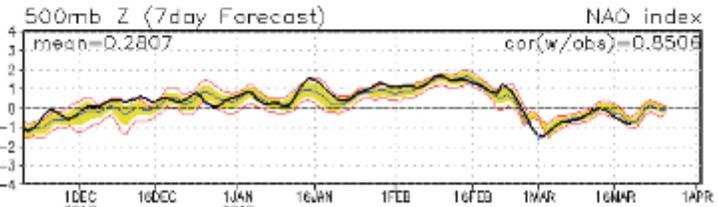
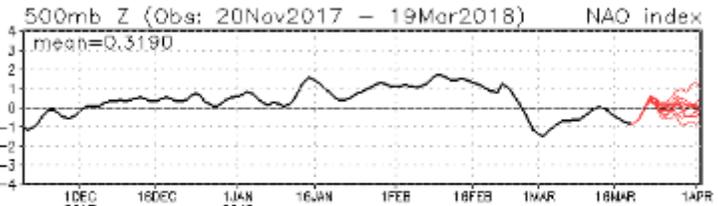


CDAS 500-hPa HT Anoms (5d rm)  
17MAR2018

Negative NAO

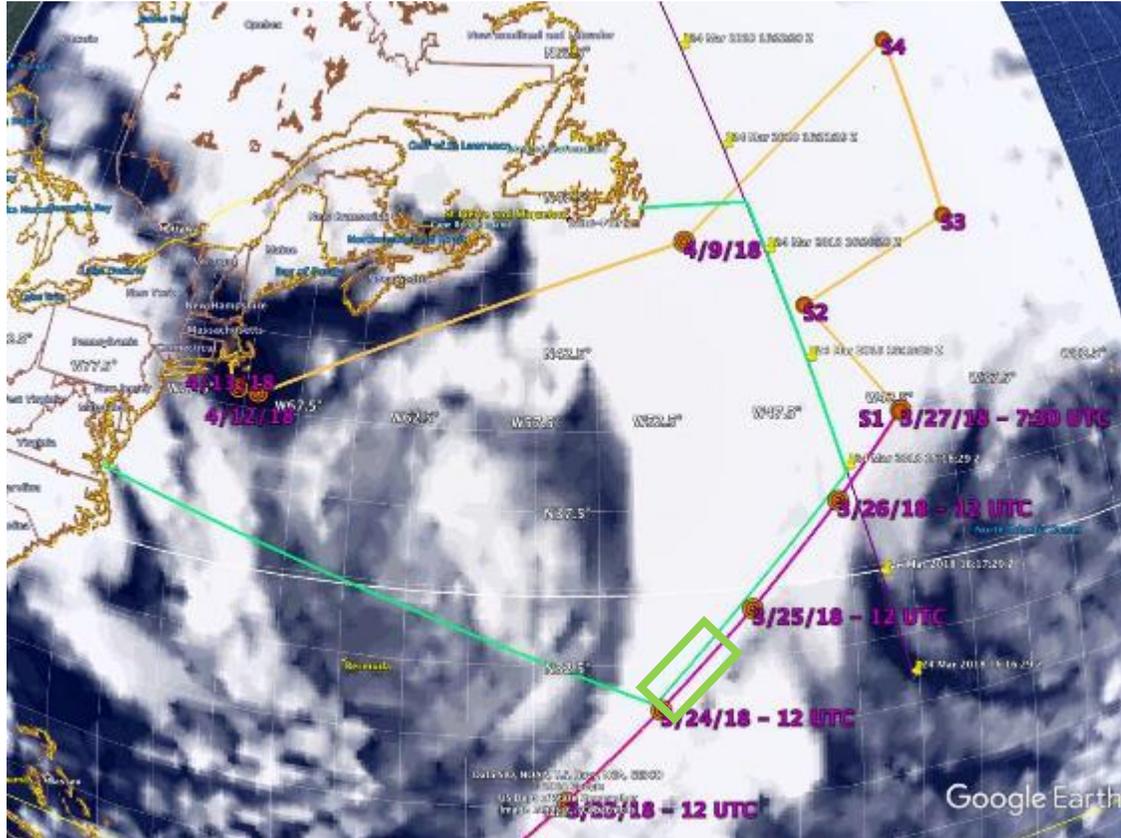


NAO: Observed & ENSM forecasts

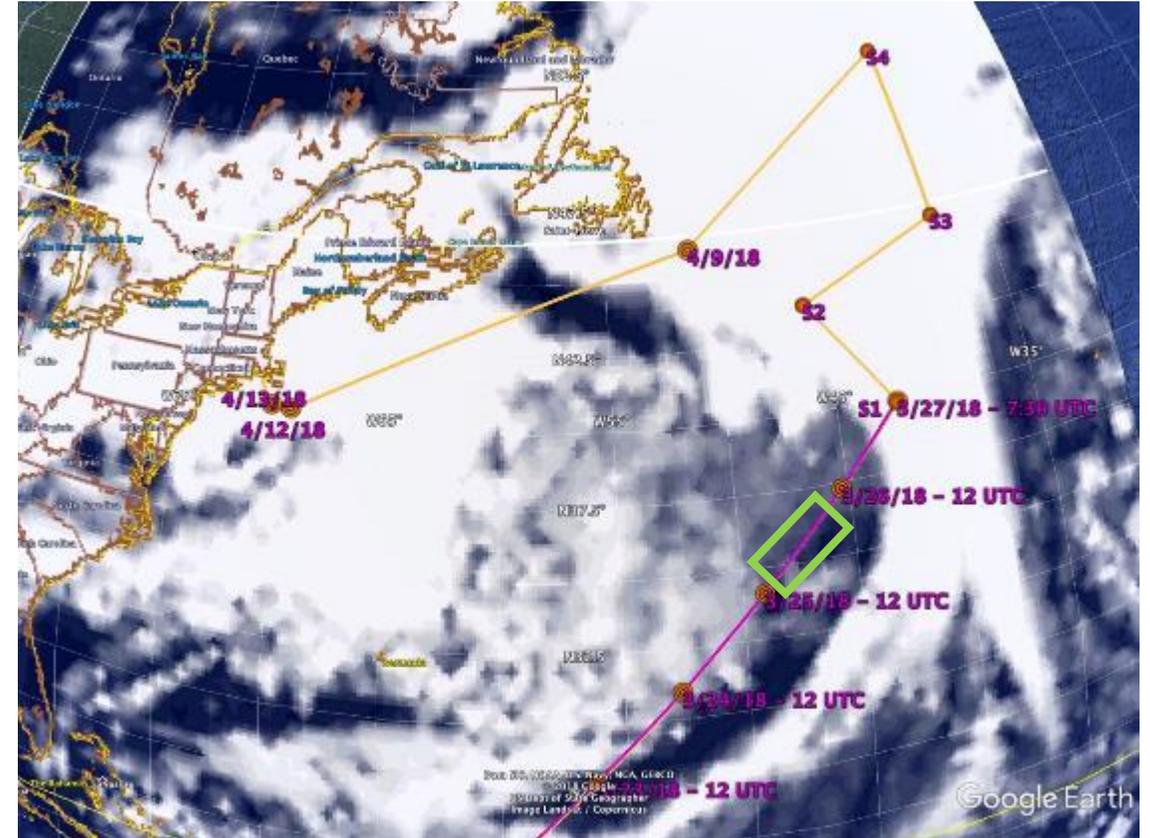


# Transit Flight Planning

Saturday, 3/24 with 18Z Total Clouds



Sunday, 3/25 with 18Z Total Clouds



- Ship and CALIPSO track under clouds
- Recommend straight flight to St. John's

- Ship track will be partly cloudy, 3/24 CALIPSO track mostly under clouds
- Option 1: flight out to ship, along ship track, St. John's
- Option 2: straight flight to St. John's