

# **NAAMES**

# **WX Briefing**

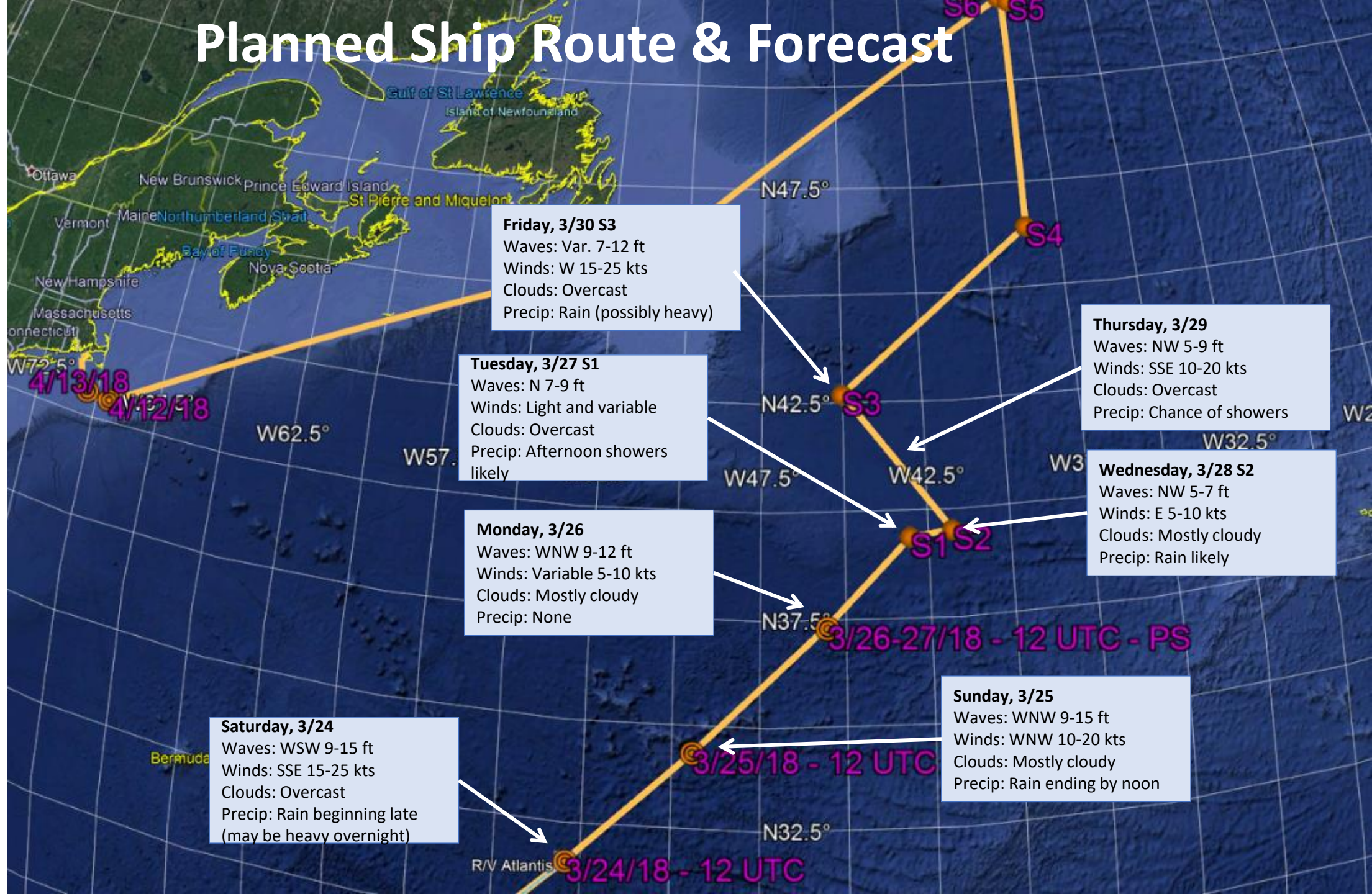
**Saturday, March 24, 2018**

Michael Shook

# Forecast Highlights

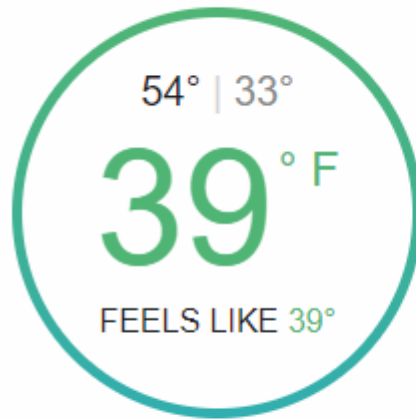
- Ship: wind and waves gradually decrease Monday-Wednesday; sampling conditions at S1 and S2 look good
- Models keep potential Monday storm much weaker and move it off quickly to the northeast
- Next system appears to stall in the west Atlantic early next week, then dissipates by Thursday (blocking high sets up in central Atl.)
- Wallops: sunny, breezy, and warmer through Sunday
- St. John's currently looks okay for arrival on early evening Saturday; late evening arrival also possible, but more uncertain

# Planned Ship Route & Forecast



# Current Conditions at Wallops

© 9:08 AM EDT on March 24, 2018 (GMT -0400) | Updated a few seconds ago

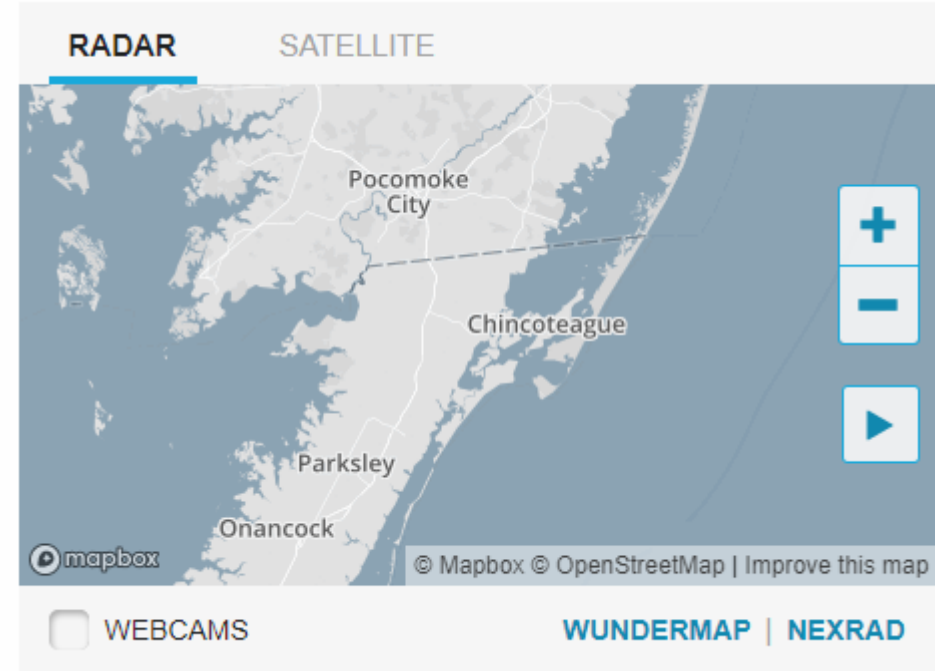


Sunny



Wind **NW**  
Gusts **13 mph**

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





# Wallops METAR/ Salisbury TAF

**Forecast for:** KSBY (SALISBURY , MD, US)

**Text:** KSBY 241120Z 2412/2512 32008KT P6SM SKC

**Forecast period:** 1200 to 1800 UTC 24 March 2018

**Forecast type:** FROM: standard forecast or significant change

**Winds:** from the NW (320 degrees) at 9 MPH (8 knots; 4.2 m/s)

**Visibility:** 6 or more miles (10+ km)

**Clouds:** clear skies

**Weather:** no significant weather forecast for this period

**Text:** FM241800 VRB03KT P6SM BKN200

**Forecast period:** 1800 UTC 24 March 2018 to 0500 UTC 25 March 2018

**Forecast type:** FROM: standard forecast or significant change

**Winds:** variable direction winds at 3 MPH (3 knots; 1.6 m/s)

**Visibility:** 6 or more miles (10+ km)

**Ceiling:** 20000 feet AGL

**Clouds:** broken clouds at 20000 feet AGL

**Weather:** no significant weather forecast for this period

**Text:** FM250500 02005KT P6SM BKN100

**Forecast period:** 0500 to 1200 UTC 25 March 2018

**Forecast type:** FROM: standard forecast or significant change

**Winds:** from the NNE (20 degrees) at 6 MPH (5 knots; 2.6 m/s)

**Visibility:** 6 or more miles (10+ km)

**Ceiling:** 10000 feet AGL

**Clouds:** broken clouds at 10000 feet AGL

**Weather:** no significant weather forecast for this period

# Current Conditions at St. John's

© 11:36 AM NDT on March 24, 2018 (GMT -0230) | Updated a minute ago



Cloudy

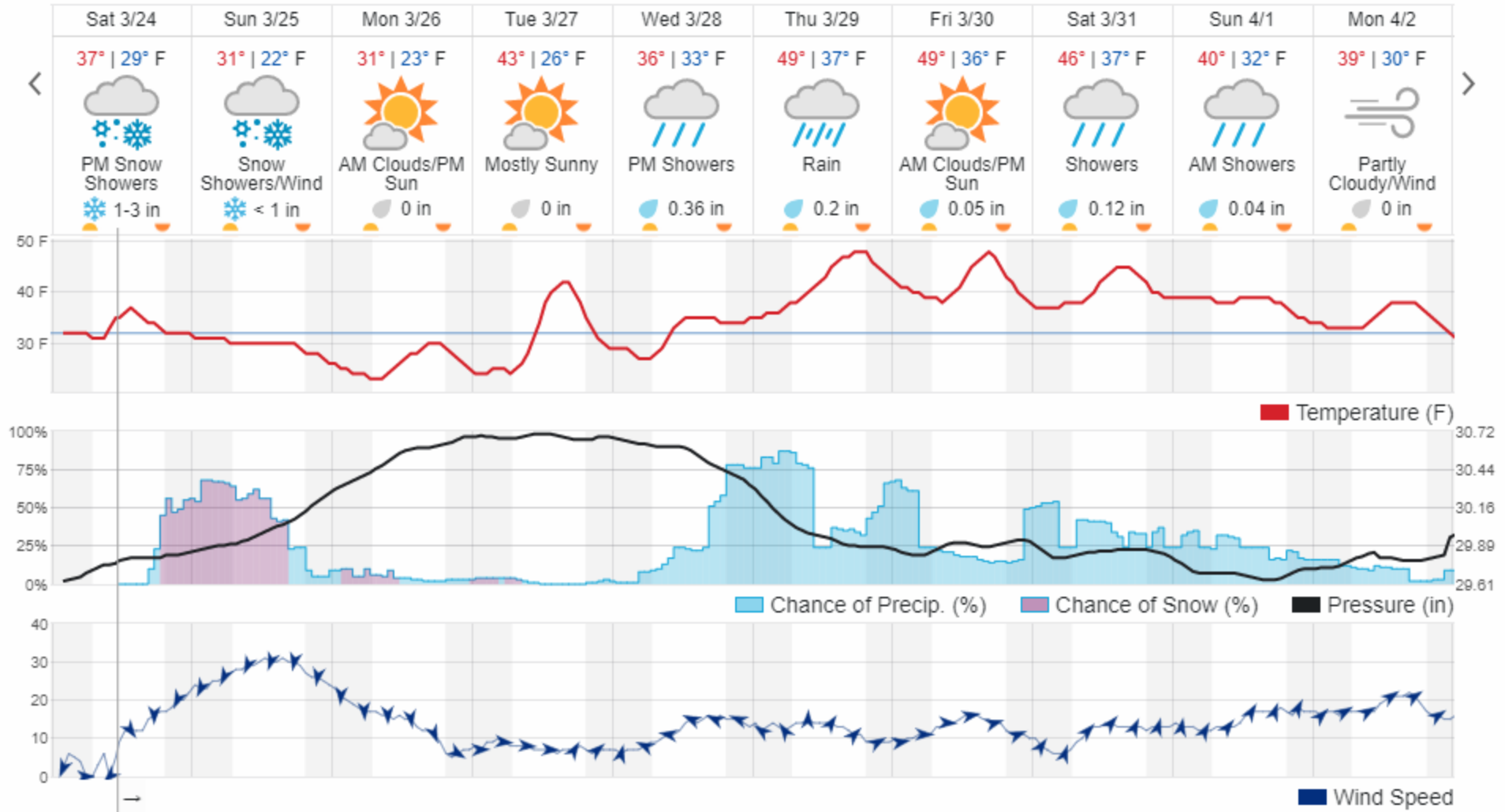


Wind **WSW**

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



# St. John's Forecast



# St. John's TAF

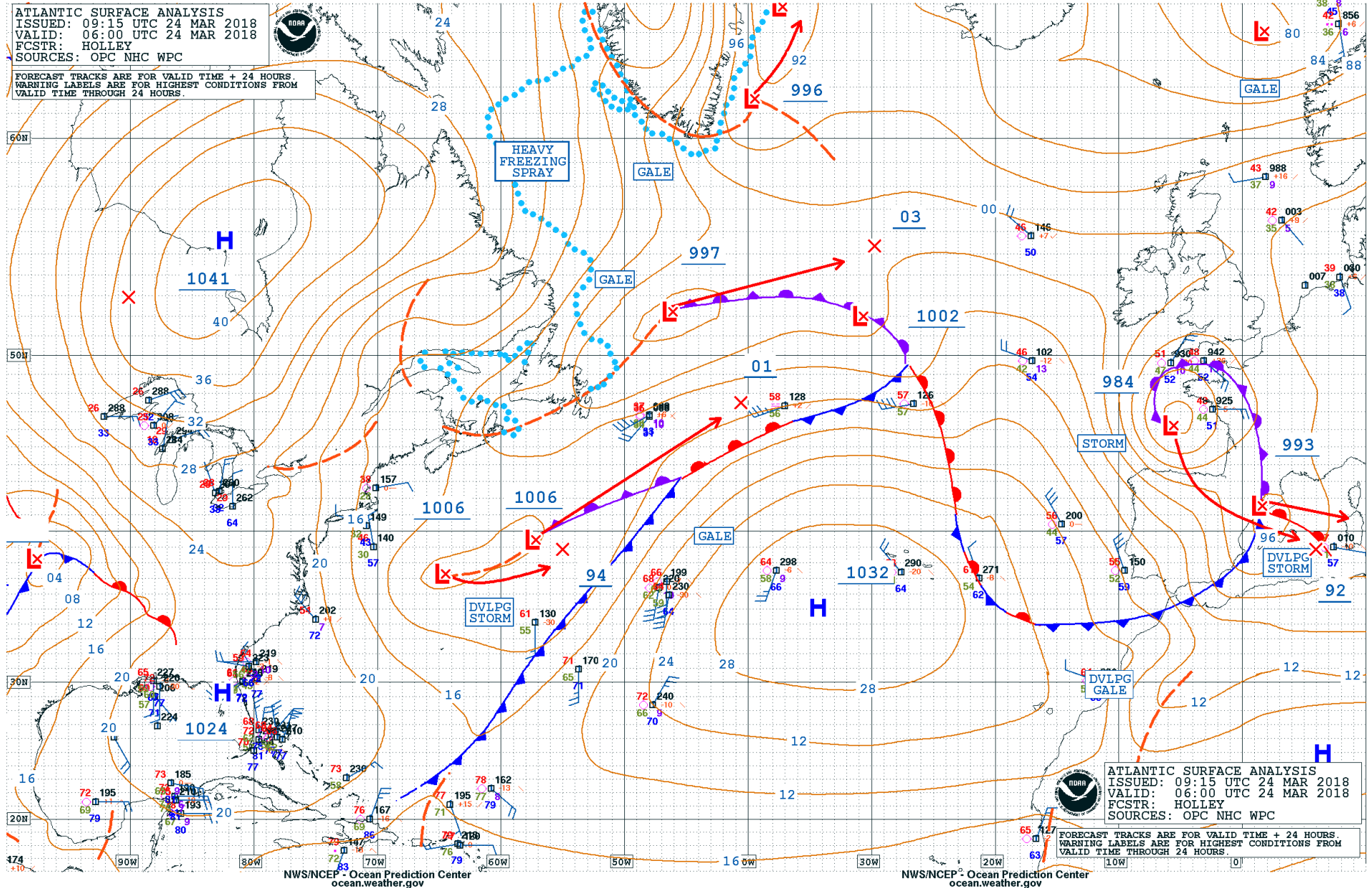
TAF AMD CYYT 241152Z 2412/2512 30010KT P6SM SCT006 BKN015 TEMPO 2412/2418 21/2SM -SN BKN006 OVC015 PROB30 2412/2415 4SM -FZDZ BR FM241800 01020G30KT P6SM -SN OVC008 TEMPO 2418/2424 2SM -SN BR OVC004 PROB30 2418/2424 4SM -FZDZ BR FM250000 03025G40KT 1SM -SN BLSN OVC005 TEMPO 2500/2509 6SM -SN PROB30 2500/2509 3/4SM -SN BLSN FM250900 03030G45KT 1SM -SN BLSN OVC006 TEMPO 2509/2512 6SM -SN OVC012 RMK NXT FCST BY 241800Z=				
AMENDED TAF		LOCATION		VALIDITY [UTC]
		CYYT - ST. JOHN'S INTL/NL		24 MAR - 1152 to 25 MAR - 1200
TIMES [UTC]	WIND [DEGREES TRUE]	VISIBILITY [STAT. MILES]	WEATHER	CLOUDINESS [FEET AGL]
24 MAR - 1200 to 24 MAR - 1800	300 @ 10 KNOTS	6+	NIL	600 SCATTERED 1500 BROKEN
TEMPORARY CHANGES 24 MAR - 1200 to 24 MAR - 1800		2 1/2	LIGHT SNOW	600 BROKEN 1500 OVERCAST
30% PROBABILITY 24 MAR - 1200 to 24 MAR - 1500		4	LIGHT FREEZING DRIZZLE MIST	
24 MAR - 1800 to 25 MAR - 0000	10 @ 20 KNOTS GUSTS 30 KNOTS	6+	LIGHT SNOW	800 OVERCAST
TEMPORARY CHANGES 24 MAR - 1800 to 25 MAR - 0000		2	LIGHT SNOW MIST	400 OVERCAST
30% PROBABILITY 24 MAR - 1800 to 25 MAR - 0000		4	LIGHT FREEZING DRIZZLE MIST	
25 MAR - 0000 to 25 MAR - 0900	30 @ 25 KNOTS GUSTS 40 KNOTS	1	LIGHT SNOW MODERATE BLOWING SNOW	500 OVERCAST
TEMPORARY CHANGES 25 MAR - 0000 to 25 MAR - 0900		6	LIGHT SNOW	
30% PROBABILITY 25 MAR - 0000 to 25 MAR - 0900		3/4	LIGHT SNOW MODERATE BLOWING SNOW	
25 MAR - 0900 to 25 MAR - 1200	30 @ 30 KNOTS GUSTS 45 KNOTS	1	LIGHT SNOW MODERATE BLOWING SNOW	600 OVERCAST
TEMPORARY CHANGES 25 MAR - 0900 to 25 MAR - 1200		6	LIGHT SNOW	1200 OVERCAST
REMARKS				
THE NEXT FORECAST WILL BE ISSUED BY 1800 UTC ON DAY 24				

4.5 hour flight lands here

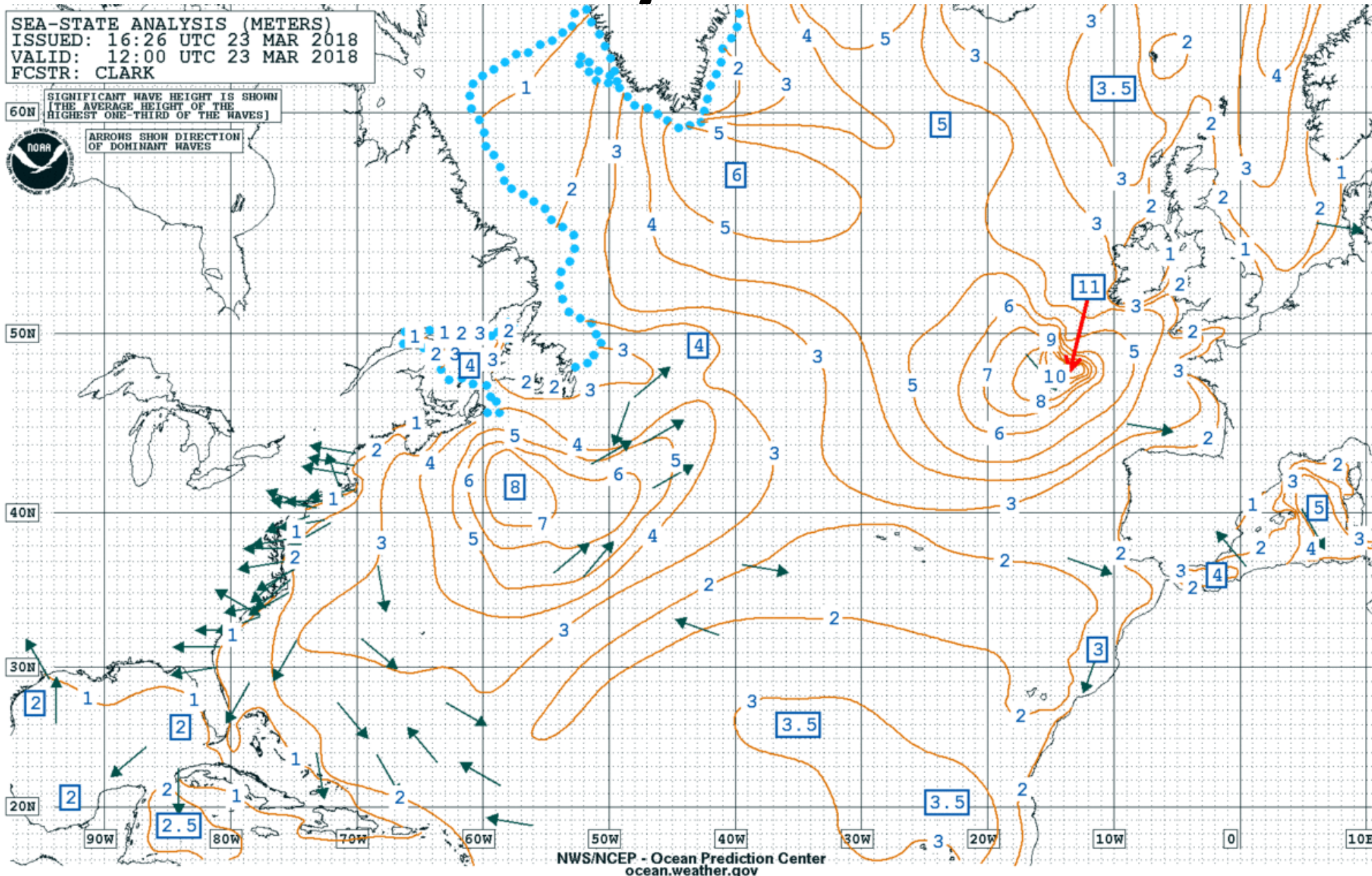
8 hour flight lands here



# Surface Analysis



# Sea State Analysis

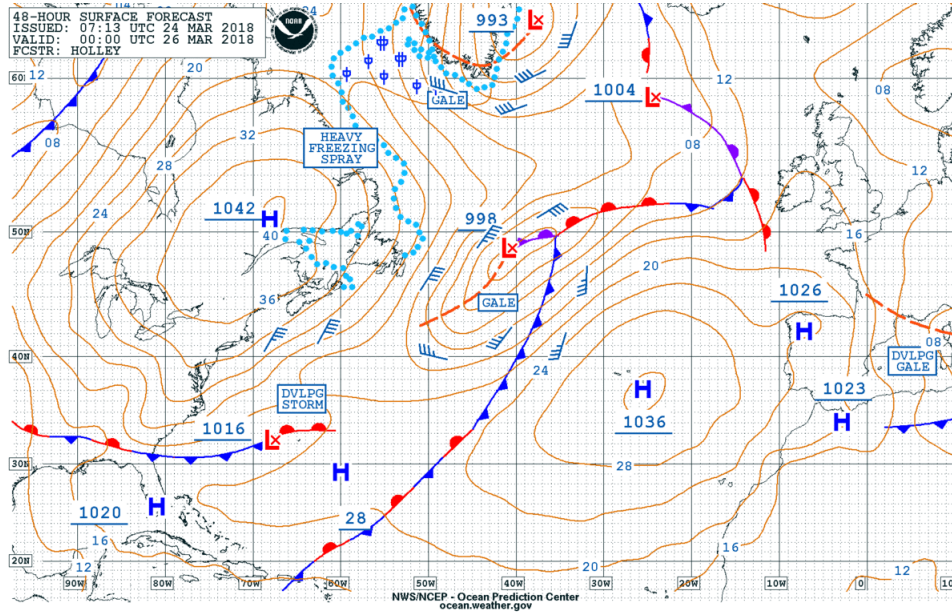


- Significant Wave Height is shown (in meters). This is the average height of the highest one-third of the waves
- Arrows show direction of dominant waves
- Product is a day behind

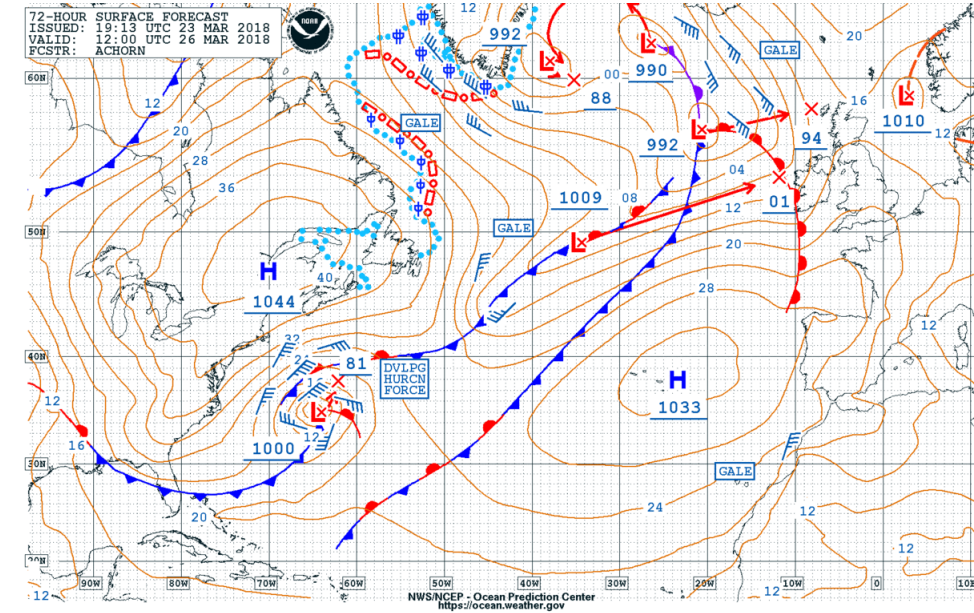


# Synoptic Forecast

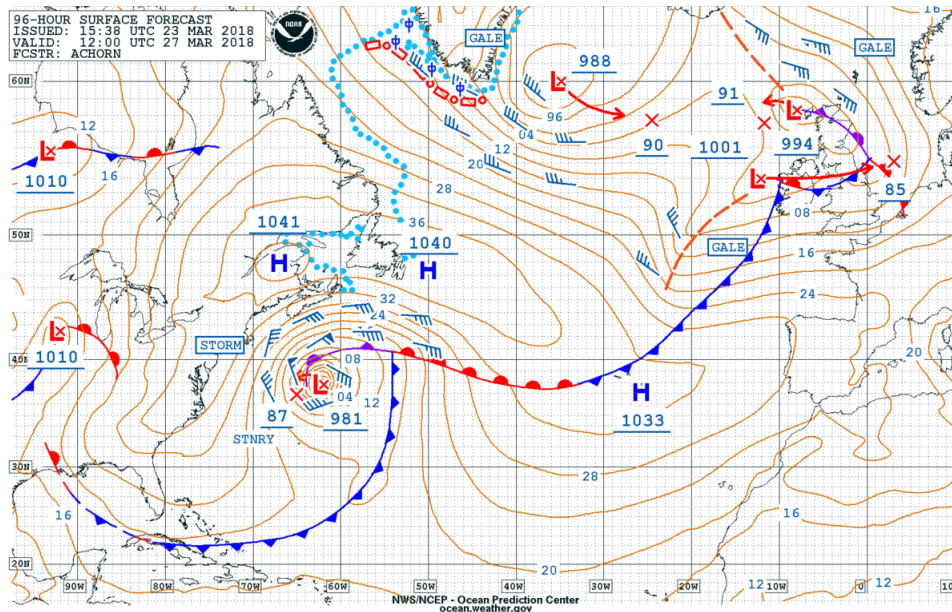
## 48 Hour Forecast - Sunday 10pm Ship Time (UTC-2)



## 72 Hour Forecast - Monday 10am Ship Time (UTC-2)



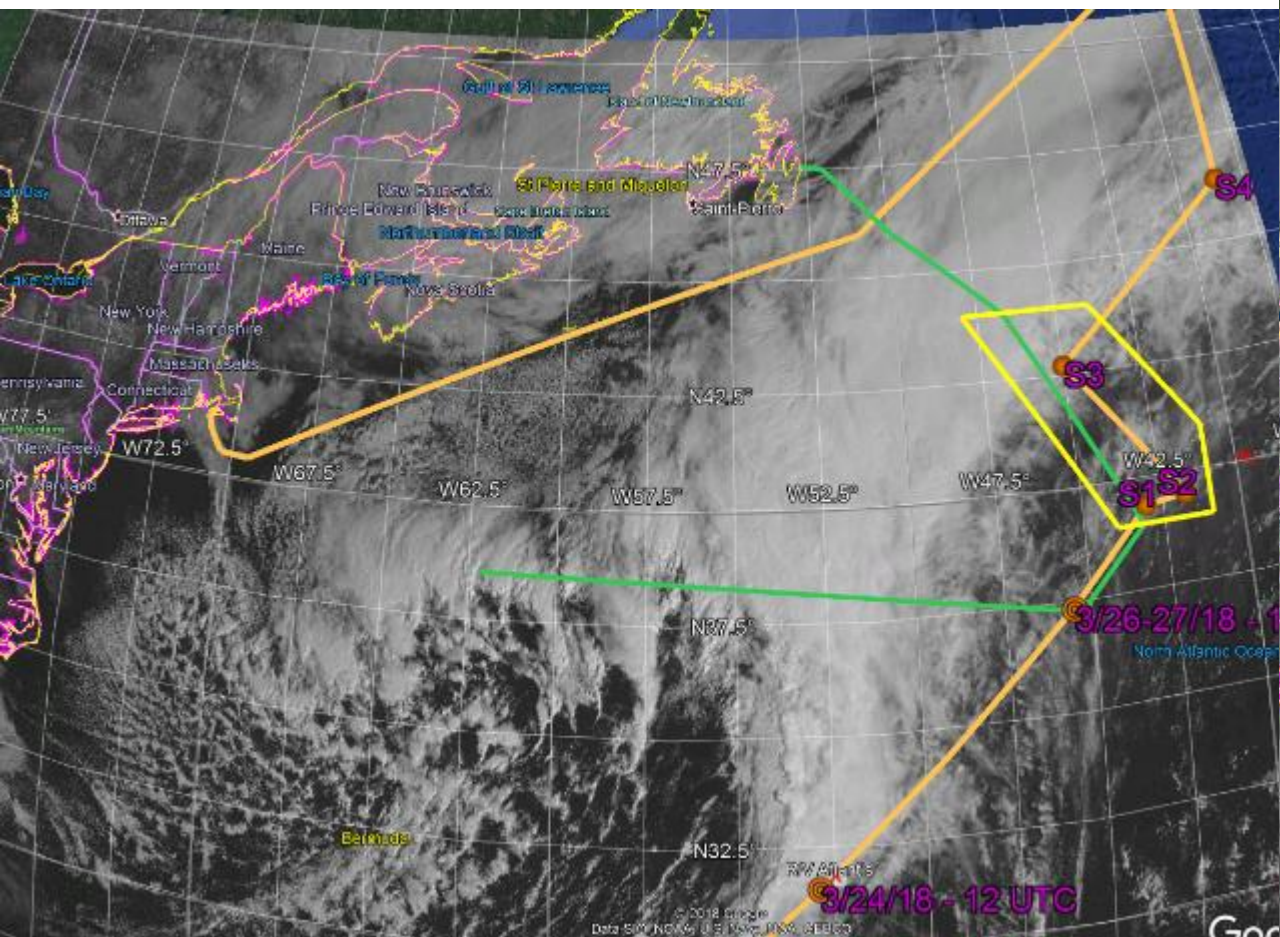
## 96 Hour Forecast - Tuesday 10am Ship Time (UTC-2)



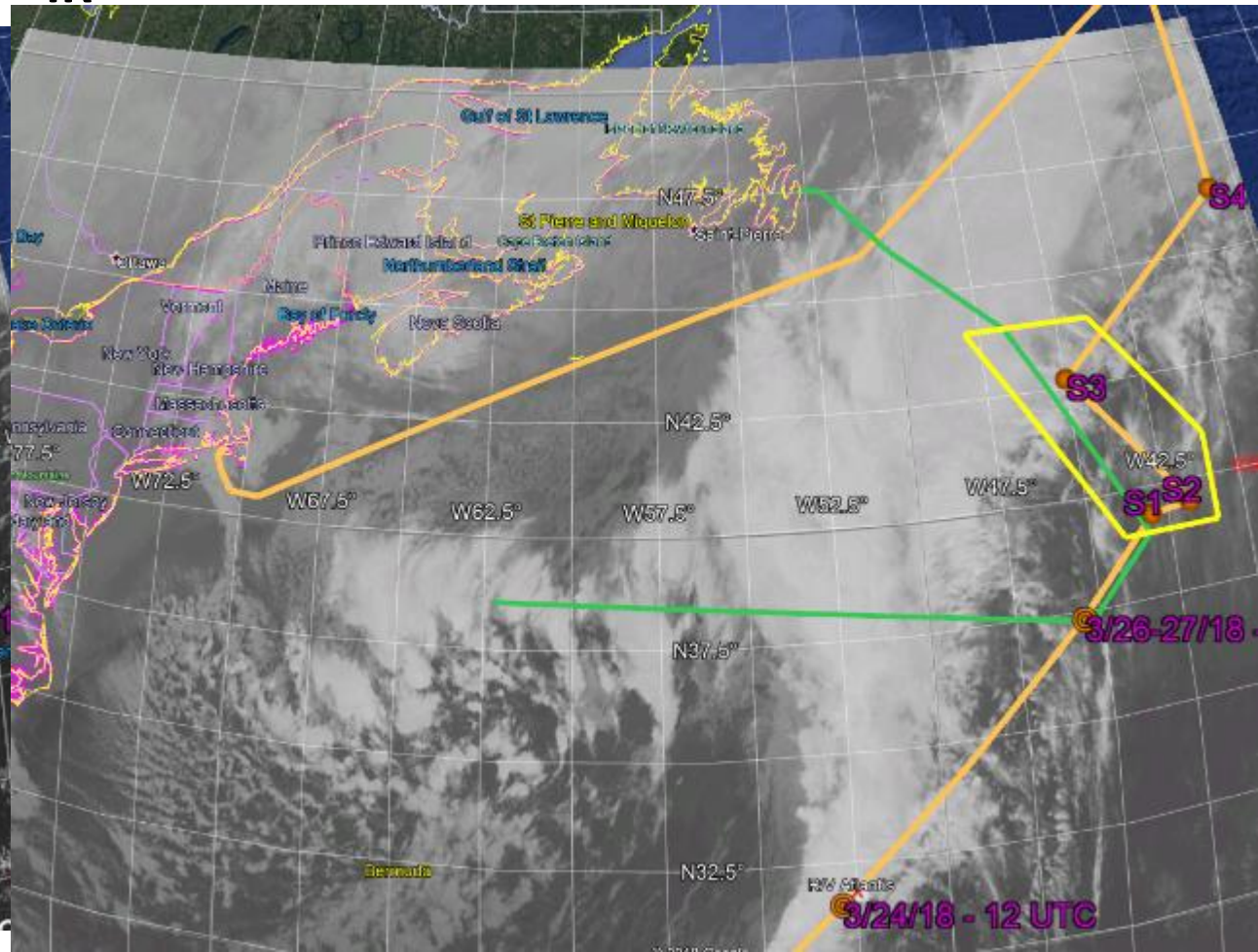


# GOES-16 Imagery (3/24 12:45 UTC)

Visible



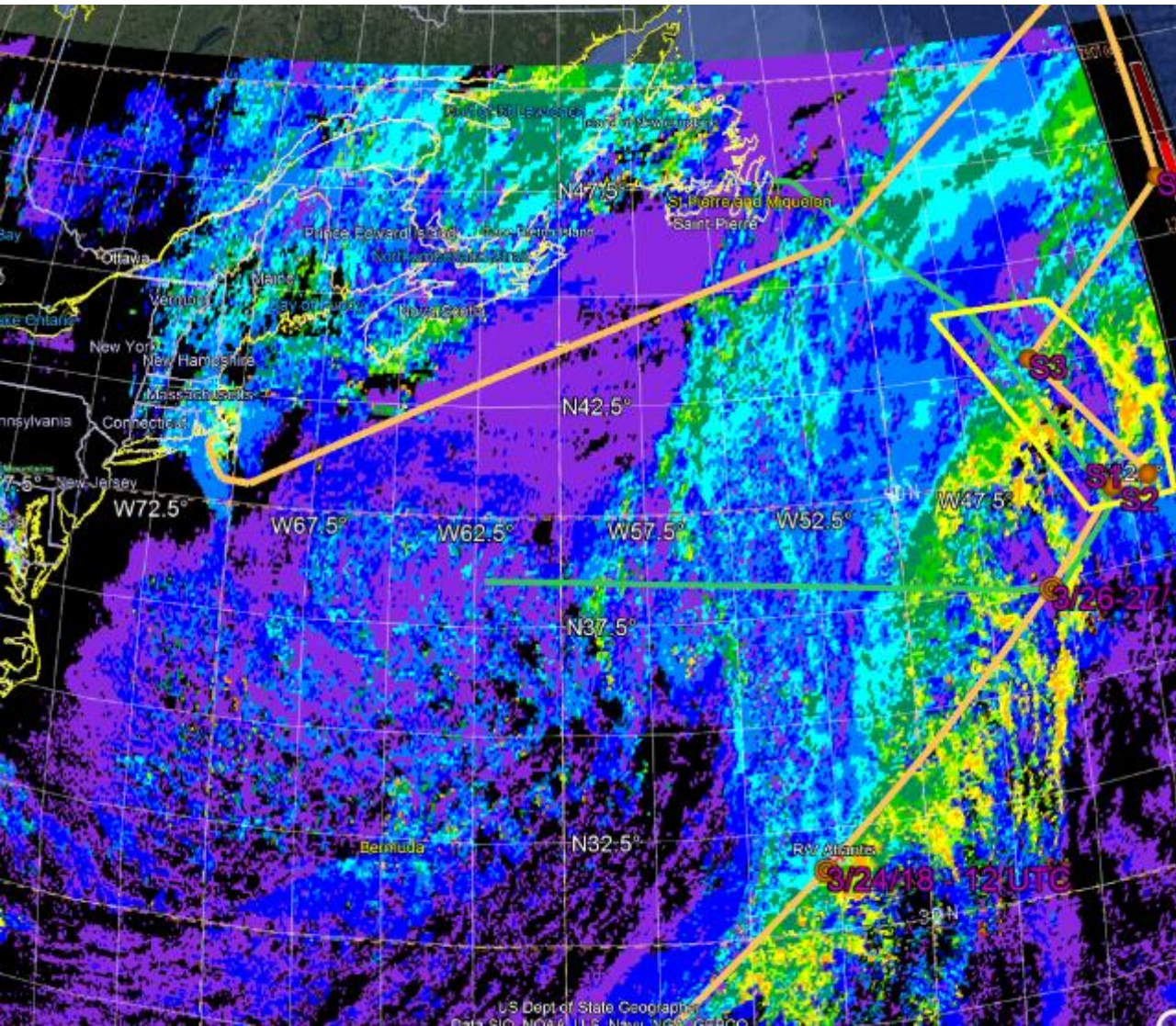
IR



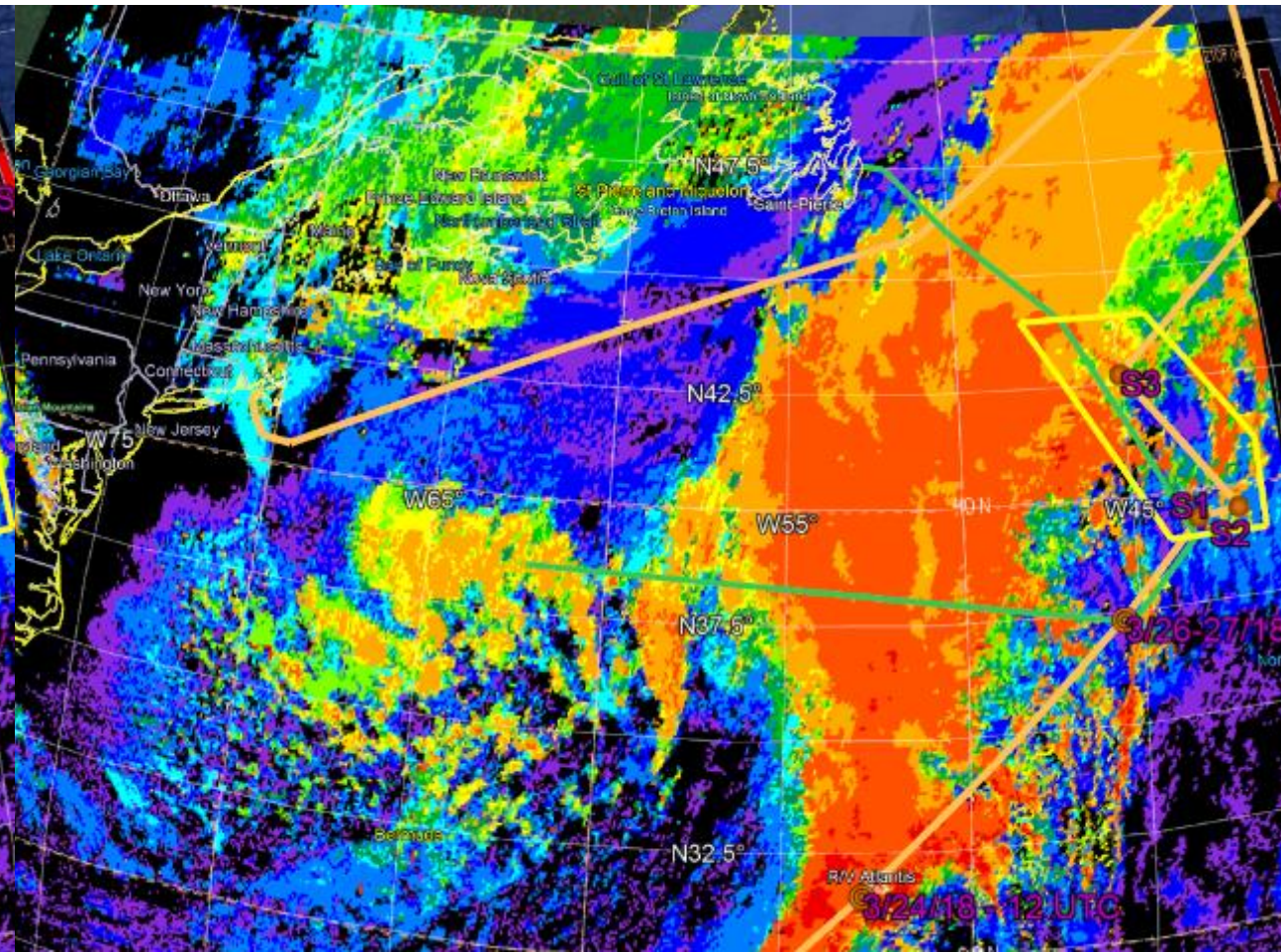


# GOES-16 Cloud Products (3/24 12:00 UTC)

Cloud Base Heights

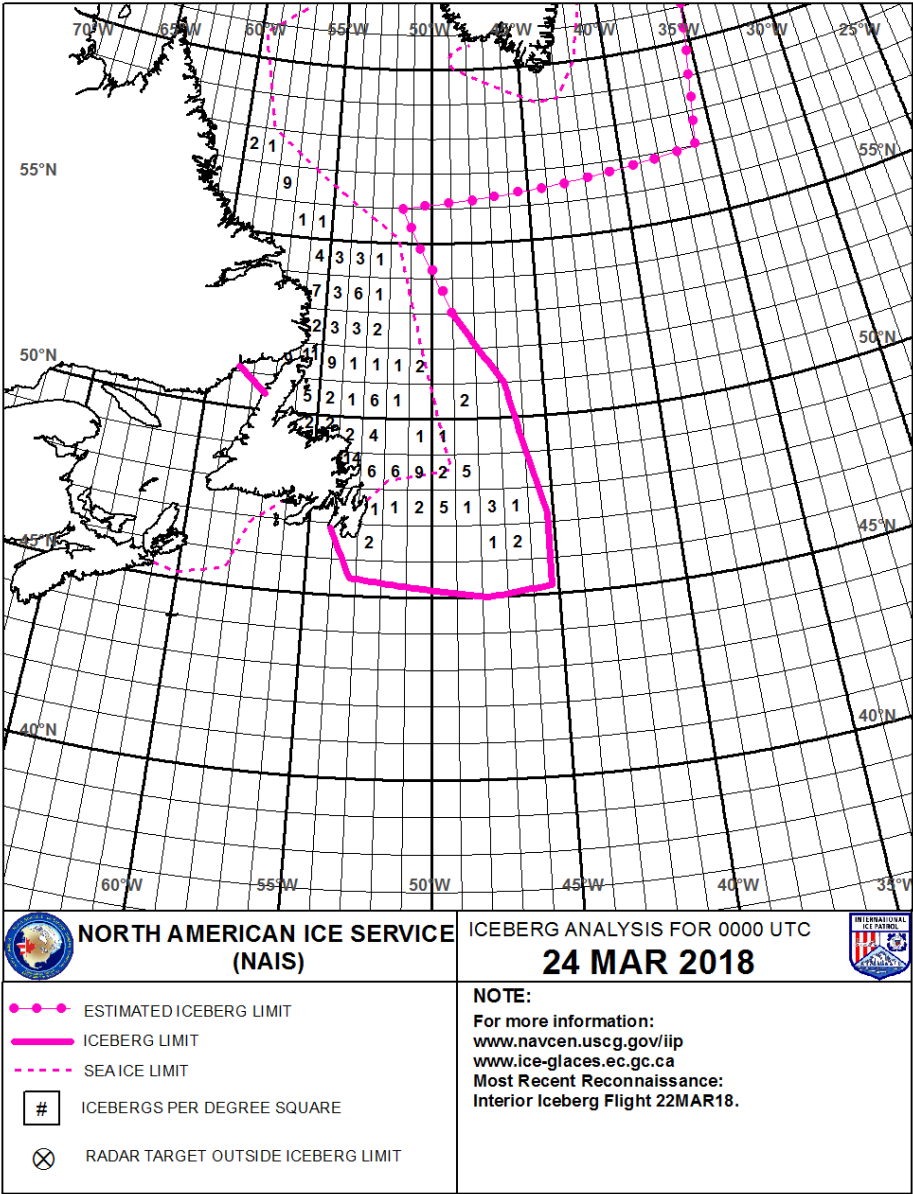


Cloud Top Heights

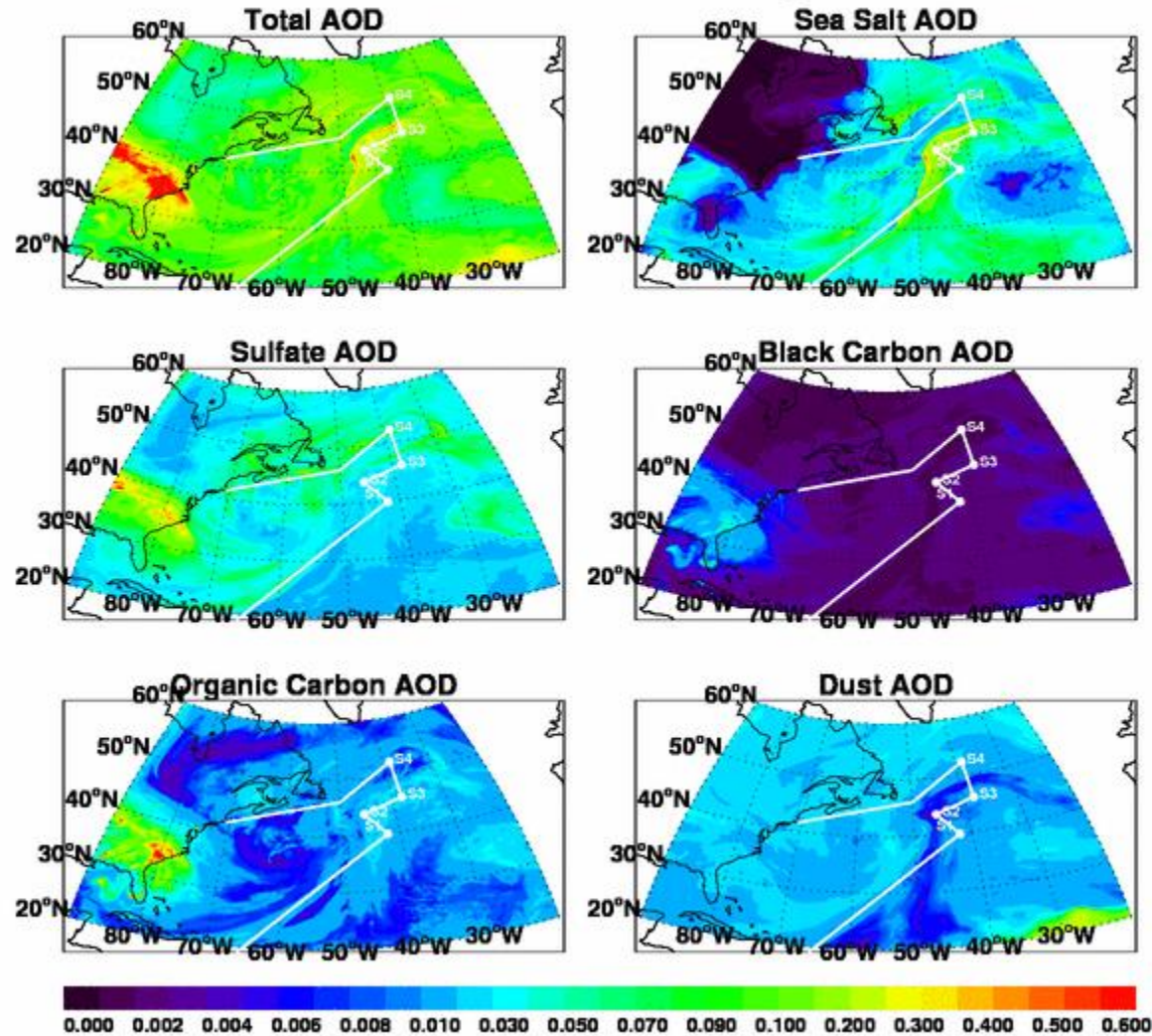




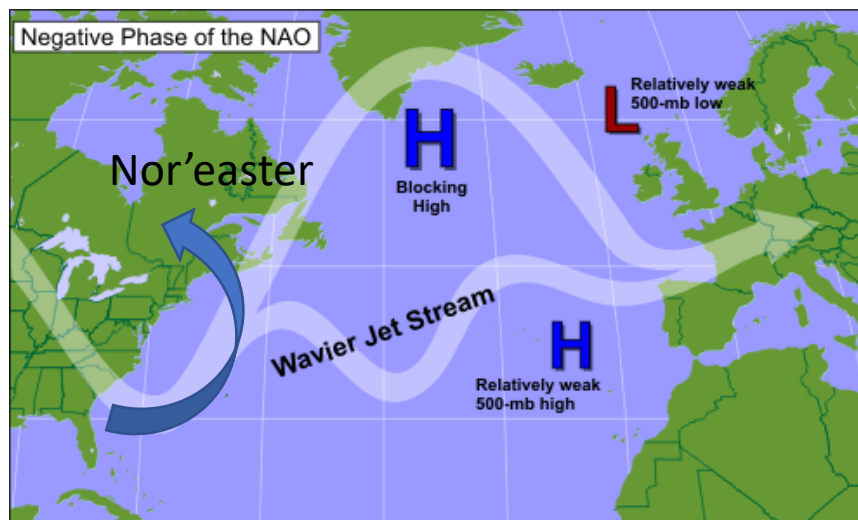
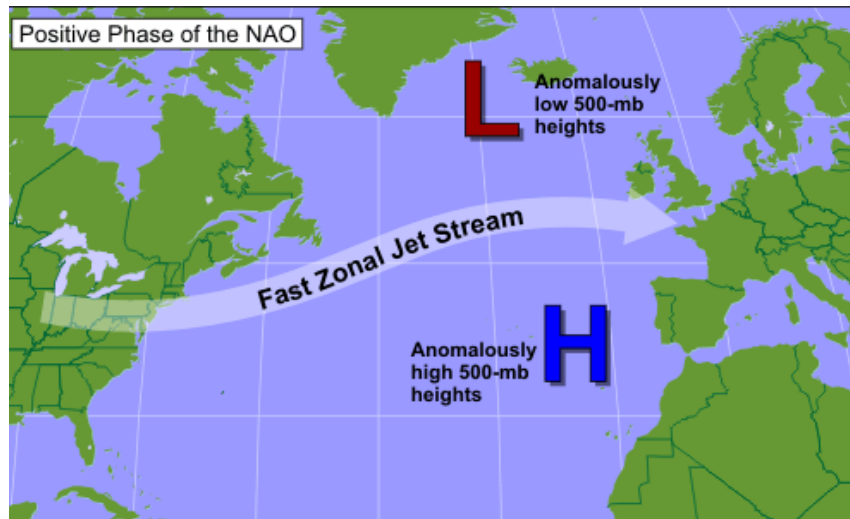
# Sea Ice and Icebergs



# Aerosol Forecast

**GEOS-FP Forecast 20180324\_2100Z**

# Current NAO



## NAO: Observed & ENSM forecasts

