

NAAMES

WX Briefing

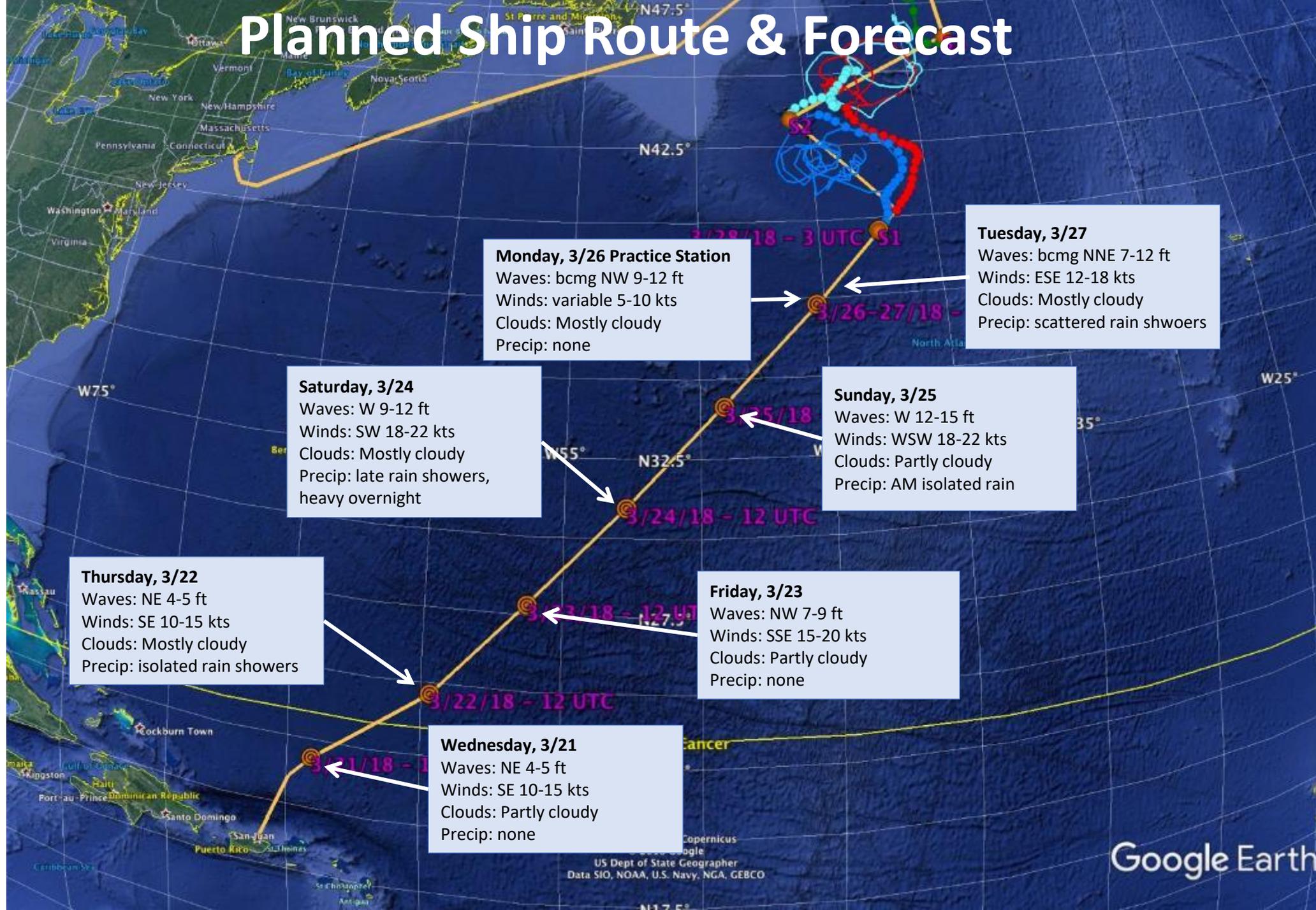
Wednesday, March 21, 2018

Amy Jo Scarino

Forecast Highlights

- Wallops- rain/snow mix to all snow today – will clear out rest of the week
- St. John's will see a wintry mix on late Thursday, cloudy and windy for Friday through Sunday. Slight chance of snow Saturday night.
- Atlantis will experience calmer seas for the next day or two, Friday afternoon will see change in sea state through the weekend.
- Models seem to be in better agreement today than yesterday. Models diverge on Monday with location of next storm system.

Planned Ship Route & Forecast



Thursday, 3/22
Waves: NE 4-5 ft
Winds: SE 10-15 kts
Clouds: Mostly cloudy
Precip: isolated rain showers

Saturday, 3/24
Waves: W 9-12 ft
Winds: SW 18-22 kts
Clouds: Mostly cloudy
Precip: late rain showers, heavy overnight

Wednesday, 3/21
Waves: NE 4-5 ft
Winds: SE 10-15 kts
Clouds: Partly cloudy
Precip: none

Monday, 3/26 Practice Station
Waves: bcmg NW 9-12 ft
Winds: variable 5-10 kts
Clouds: Mostly cloudy
Precip: none

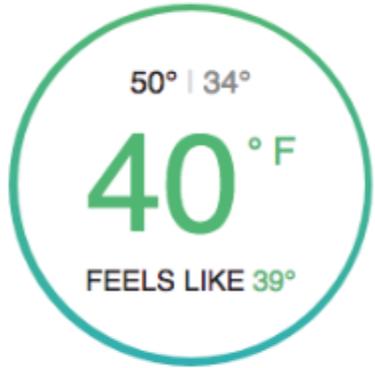
Friday, 3/23
Waves: NW 7-9 ft
Winds: SSE 15-20 kts
Clouds: Partly cloudy
Precip: none

Sunday, 3/25
Waves: W 12-15 ft
Winds: WSW 18-22 kts
Clouds: Partly cloudy
Precip: AM isolated rain

Tuesday, 3/27
Waves: bcmg NNE 7-12 ft
Winds: ESE 12-18 kts
Clouds: Mostly cloudy
Precip: scattered rain shoowers

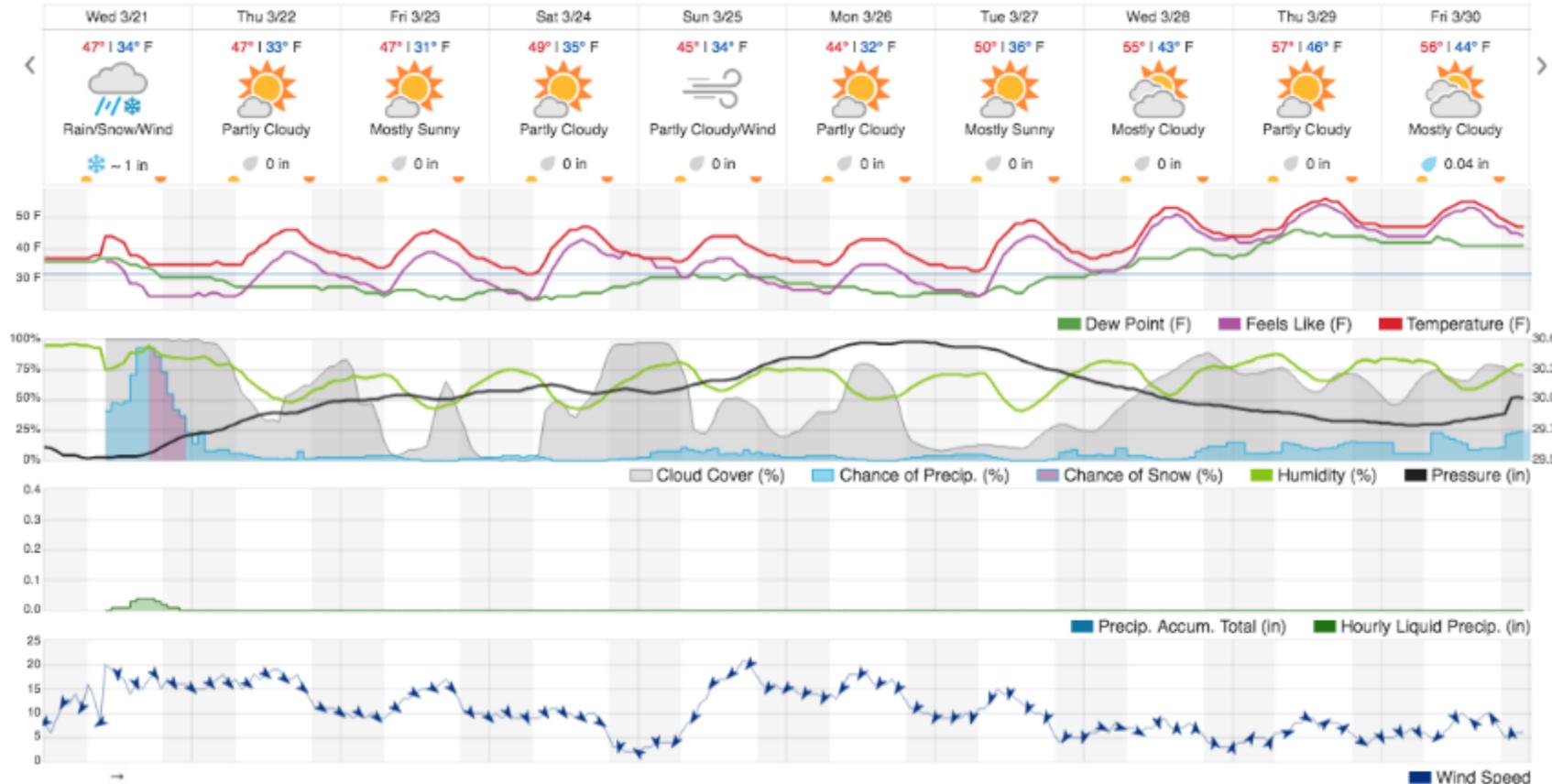
Wallops – Current & Forecast

© 11:29 AM EDT on March 21, 2018 (GMT -0400) | Updated a few seconds ago



Wind NNW
 Gusts 7 mph

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



St. John's - Current & Forecast

© 12:23 PM NDT on March 21, 2018 (GMT -0230) | Updated an hour ago

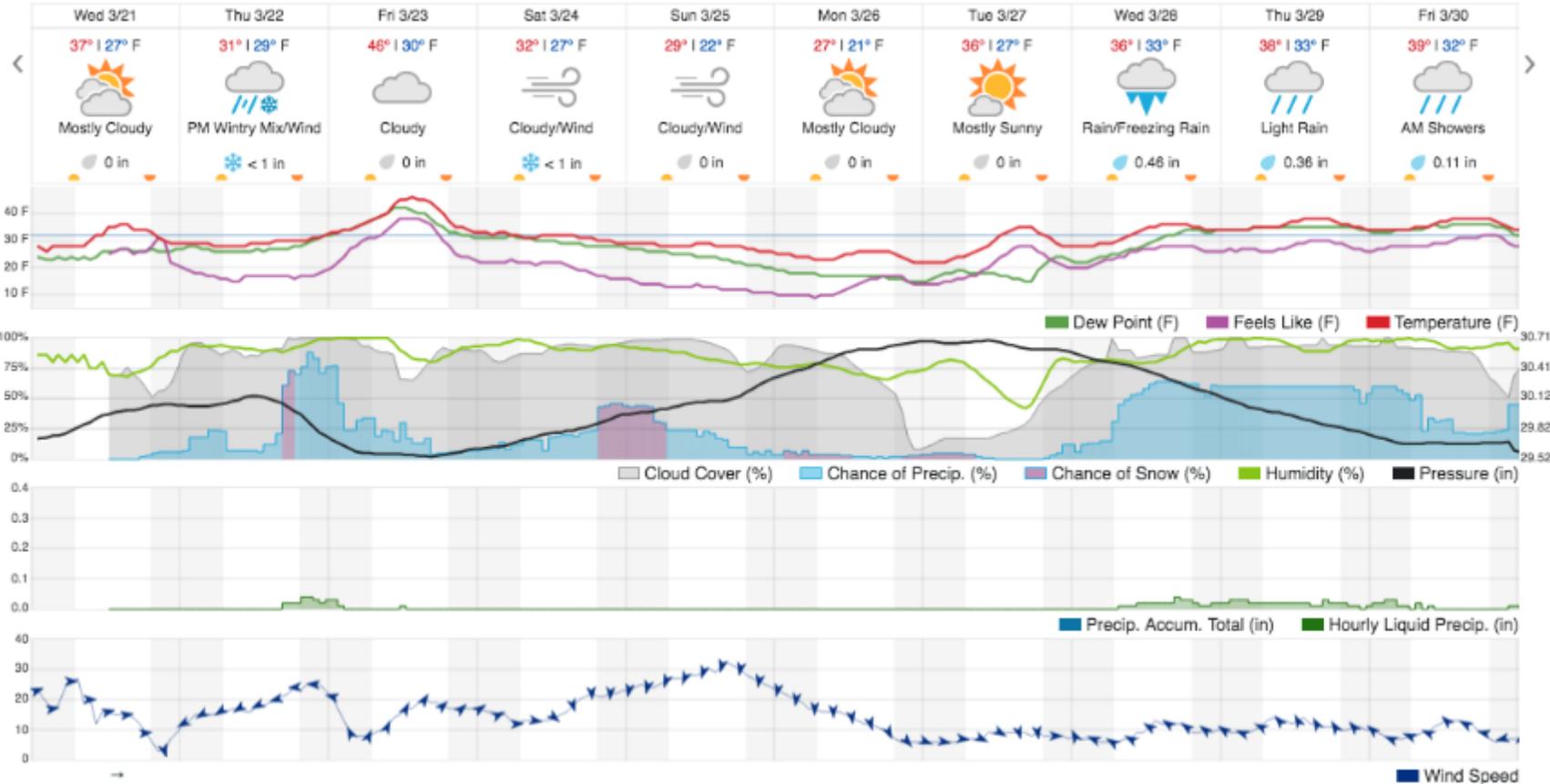


Mostly Cloudy

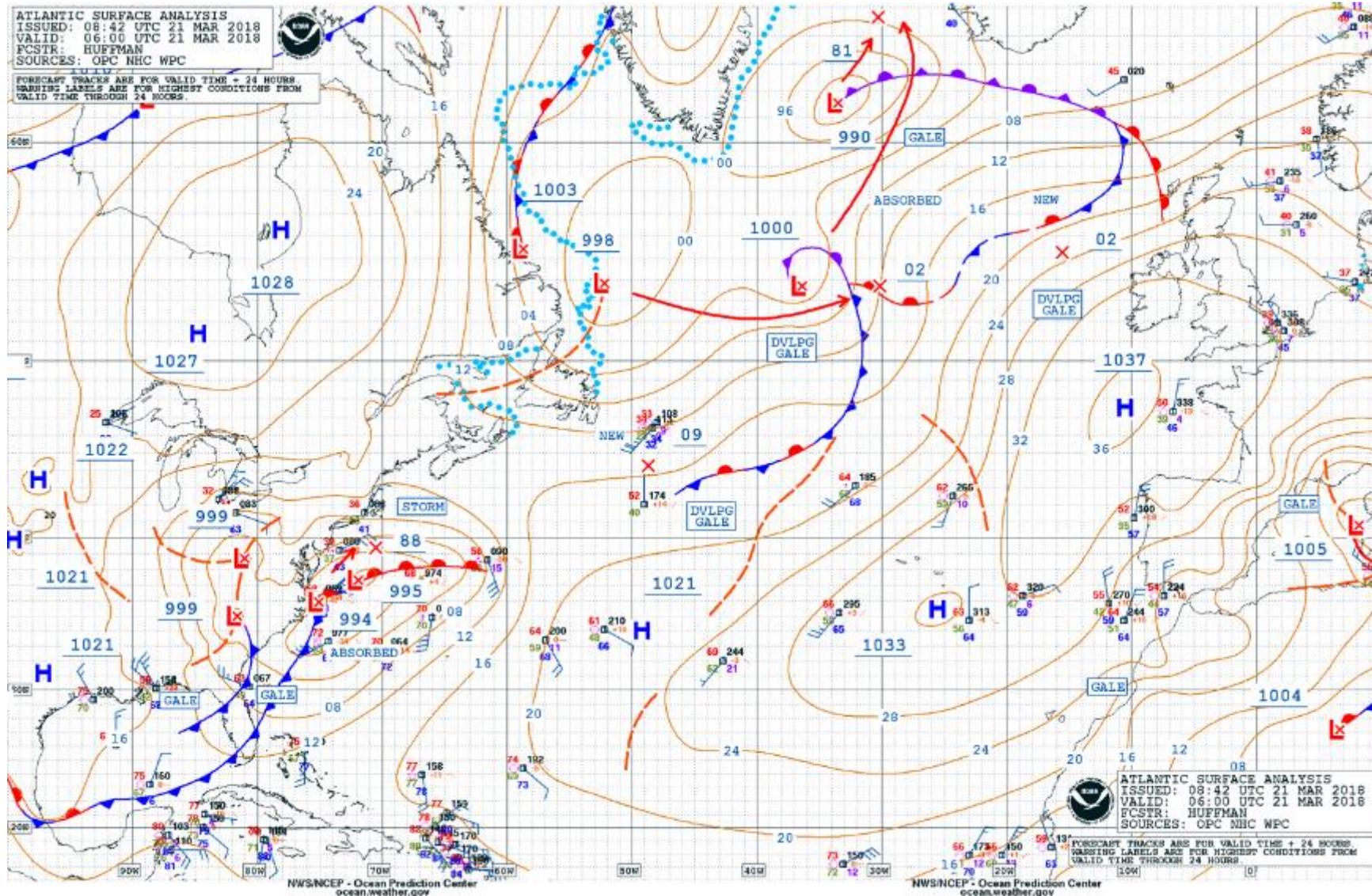


Wind WSW
 Gusts 23 mph

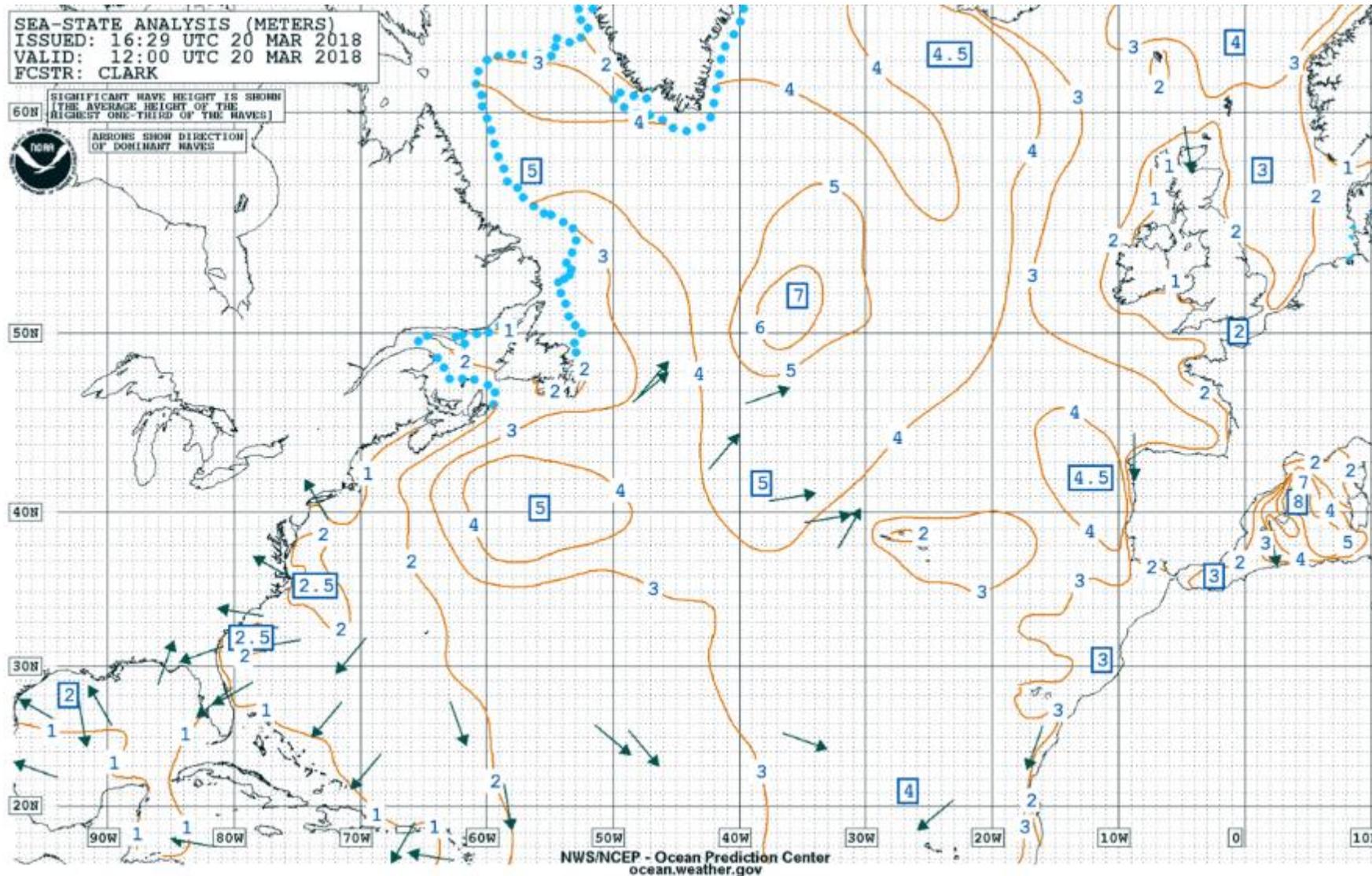
Today is forecast to be **WARMER** than yesterday.



Surface Analysis



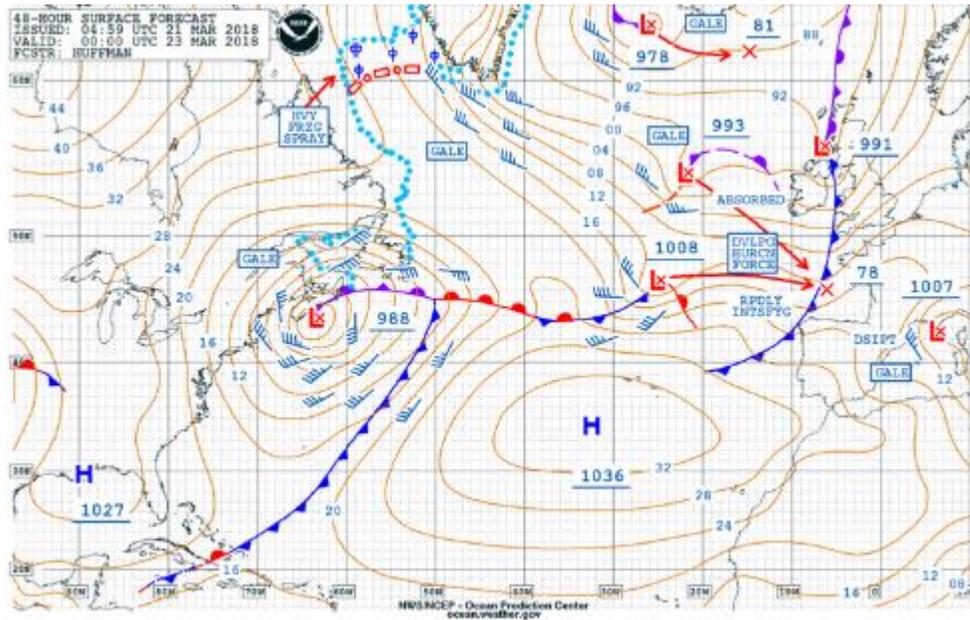
Sea State Analysis



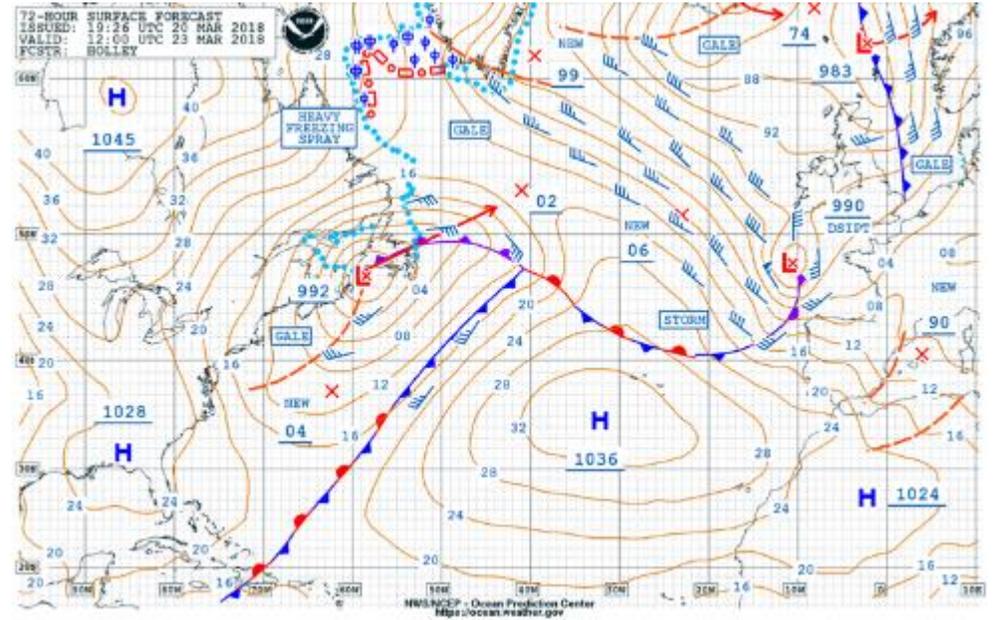
- Significant Wave Height is shown (in meters). This is the average height of the highest one-third of the waves
- Arrows show direction of dominant waves

Synoptic Forecast

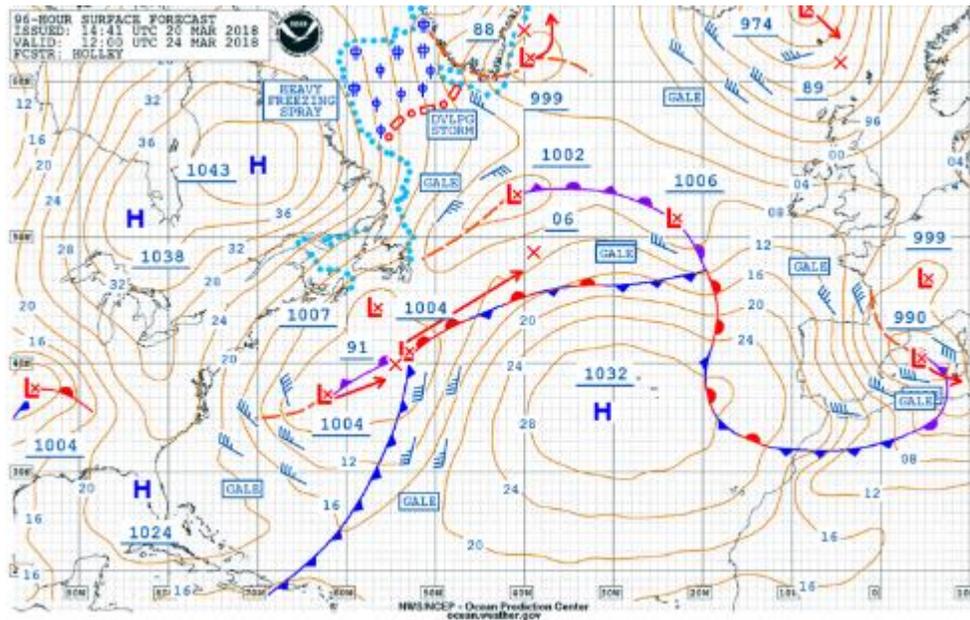
Thursday 8pm



Friday 8am

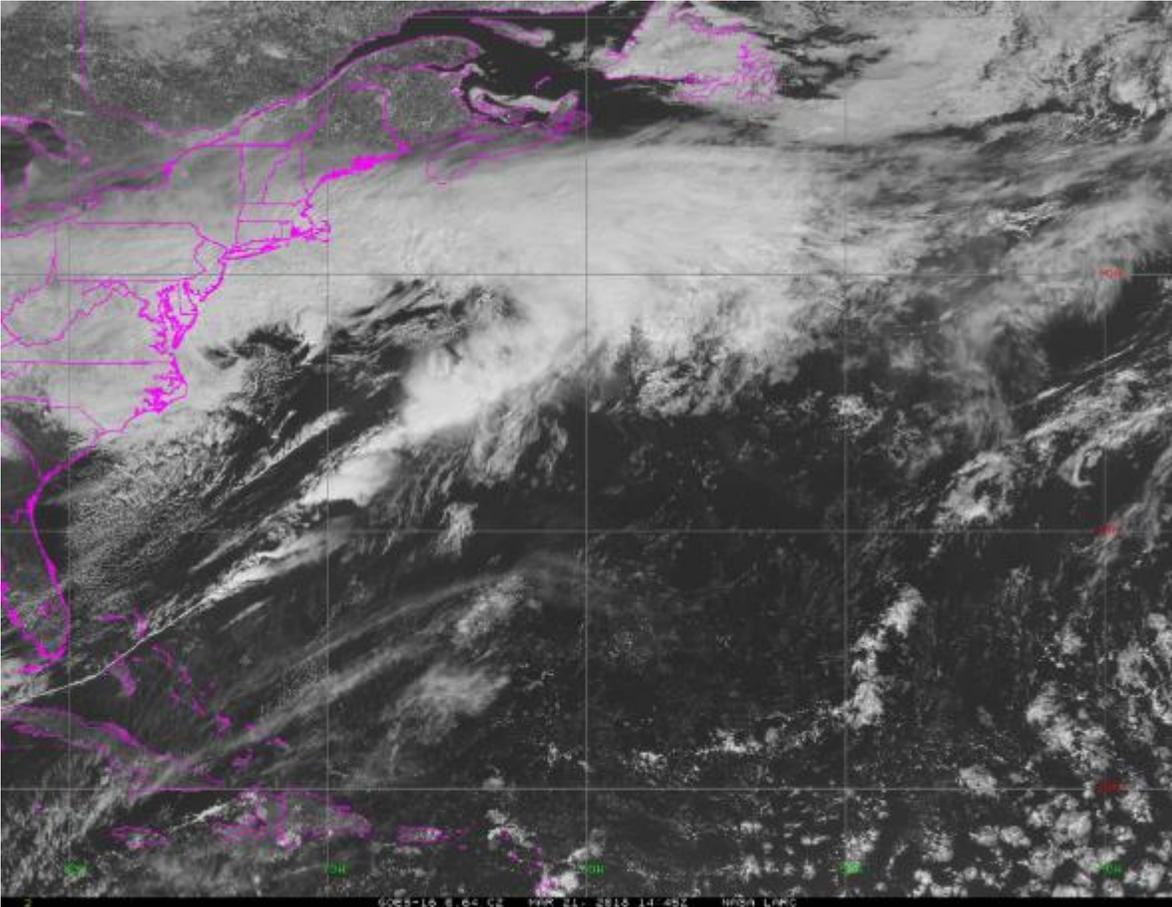


Saturday 8am

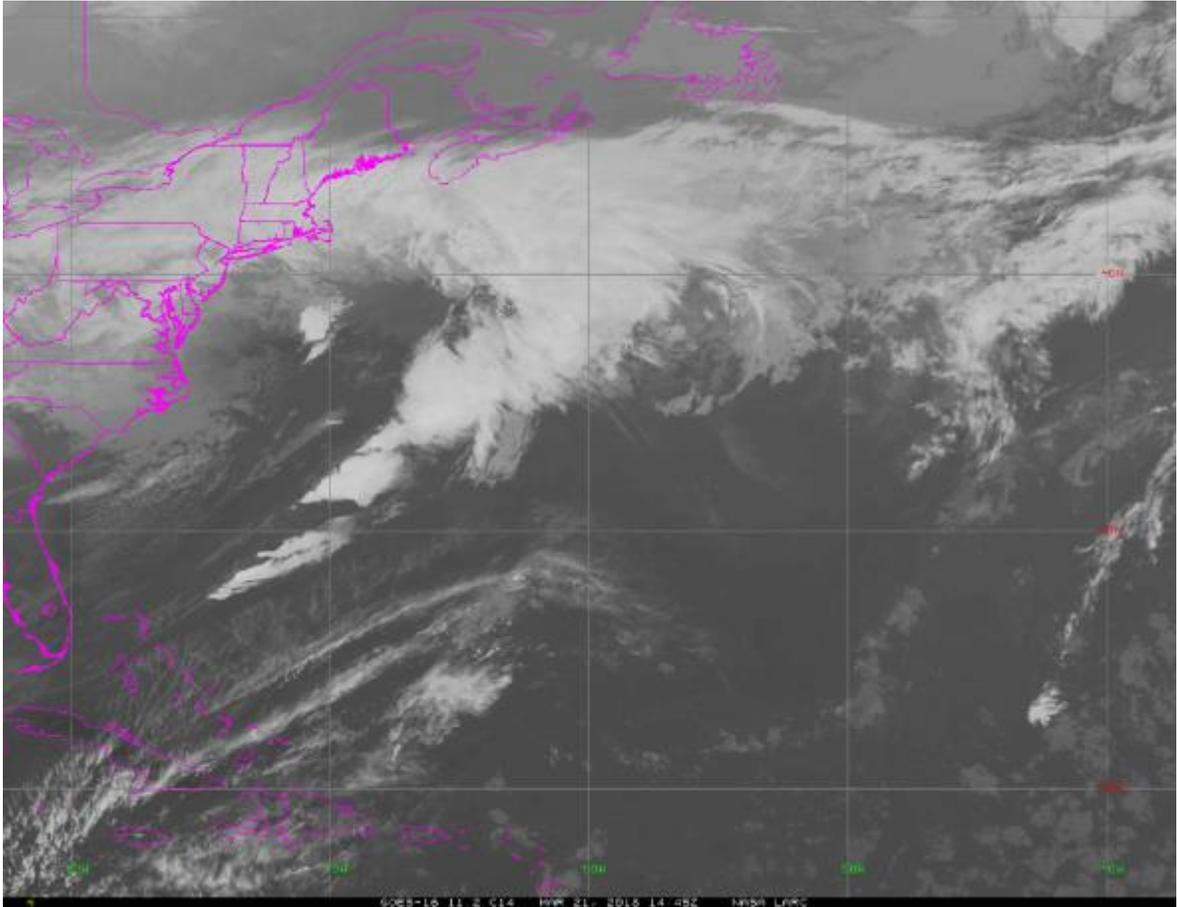


GOES-16 Imagery (3/21 14:45 UTC)

Visible

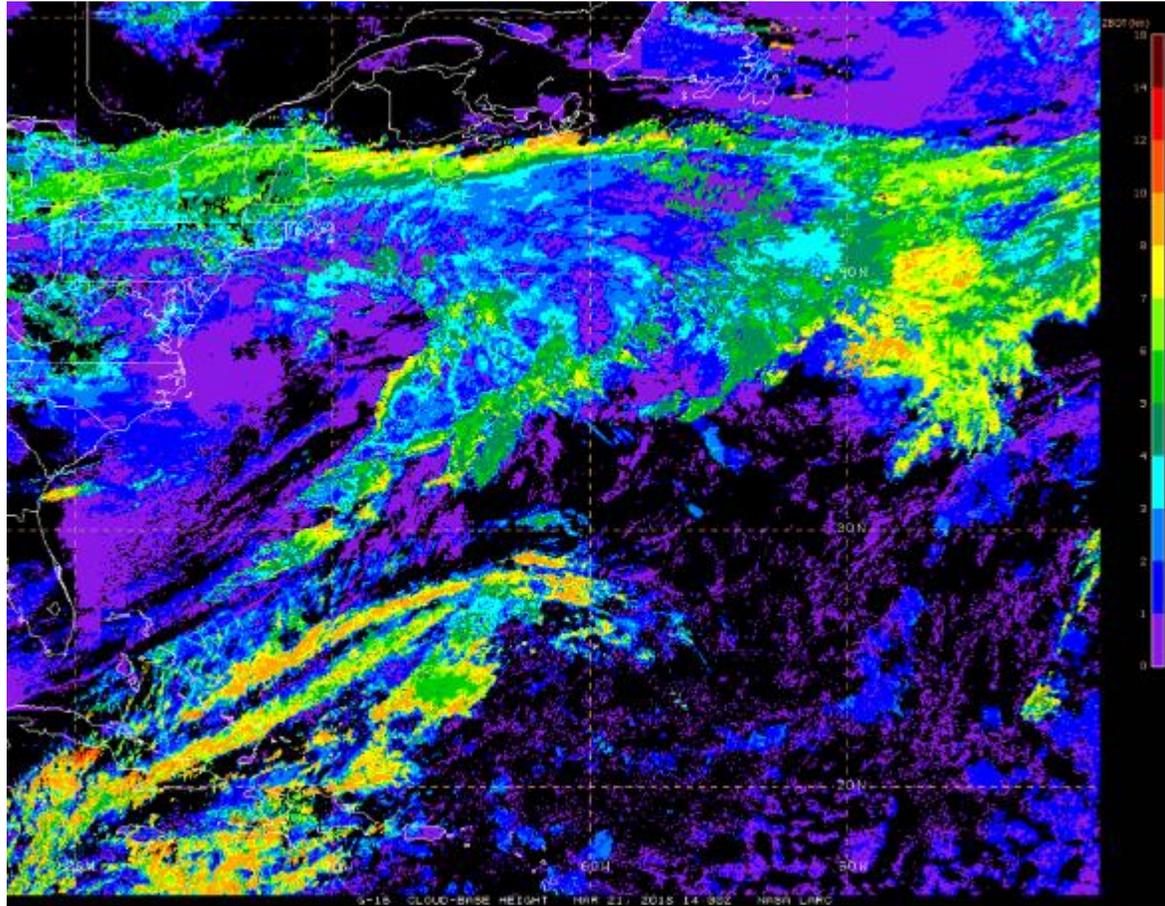


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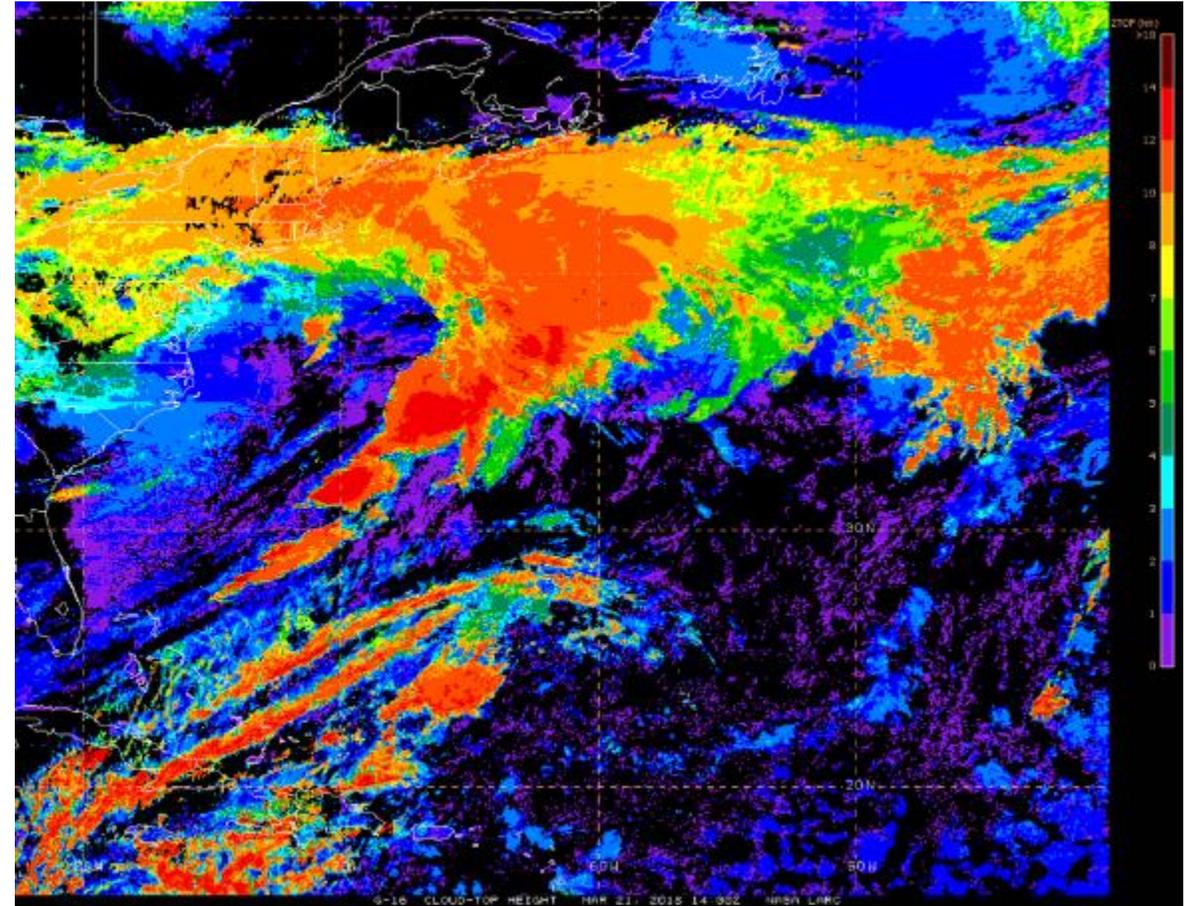


GOES-16 Cloud Products (3/21 14:00 UTC)

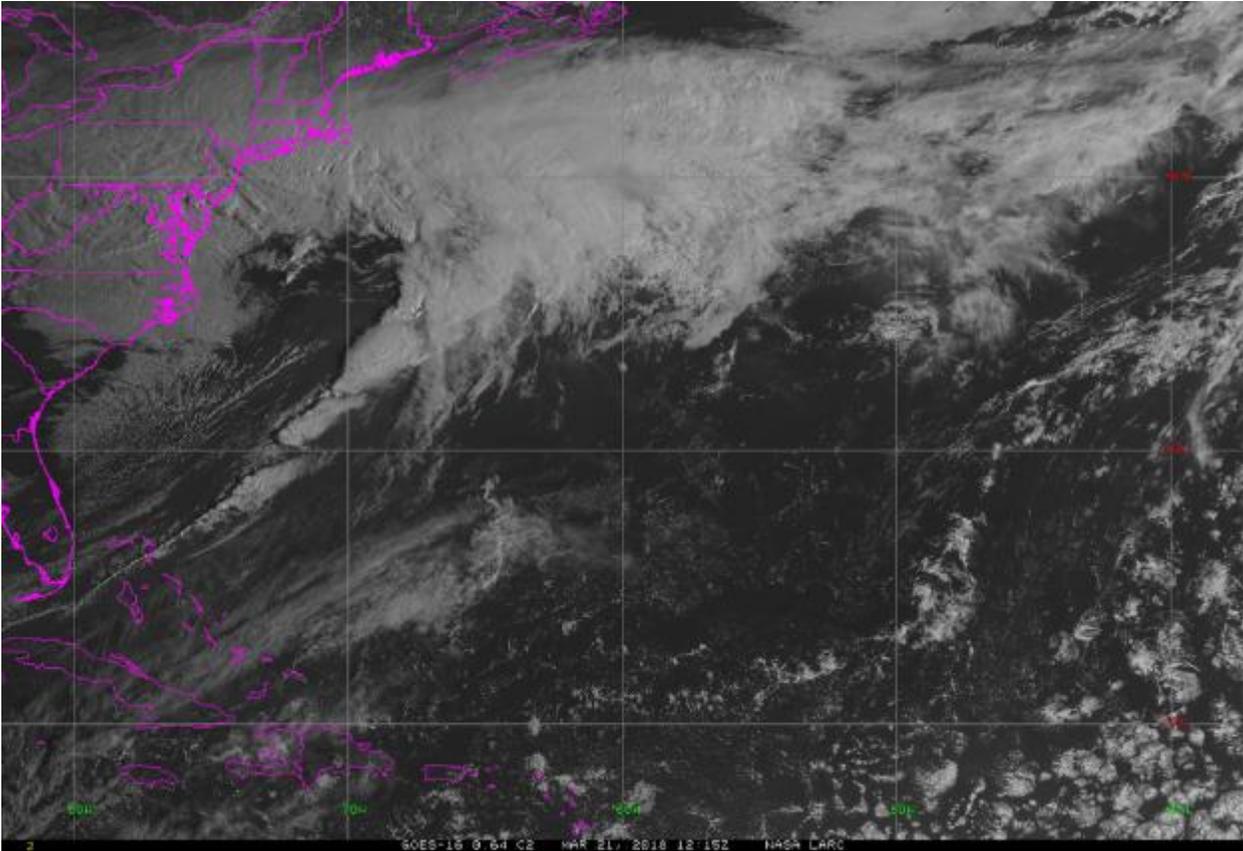
Cloud Base Heights



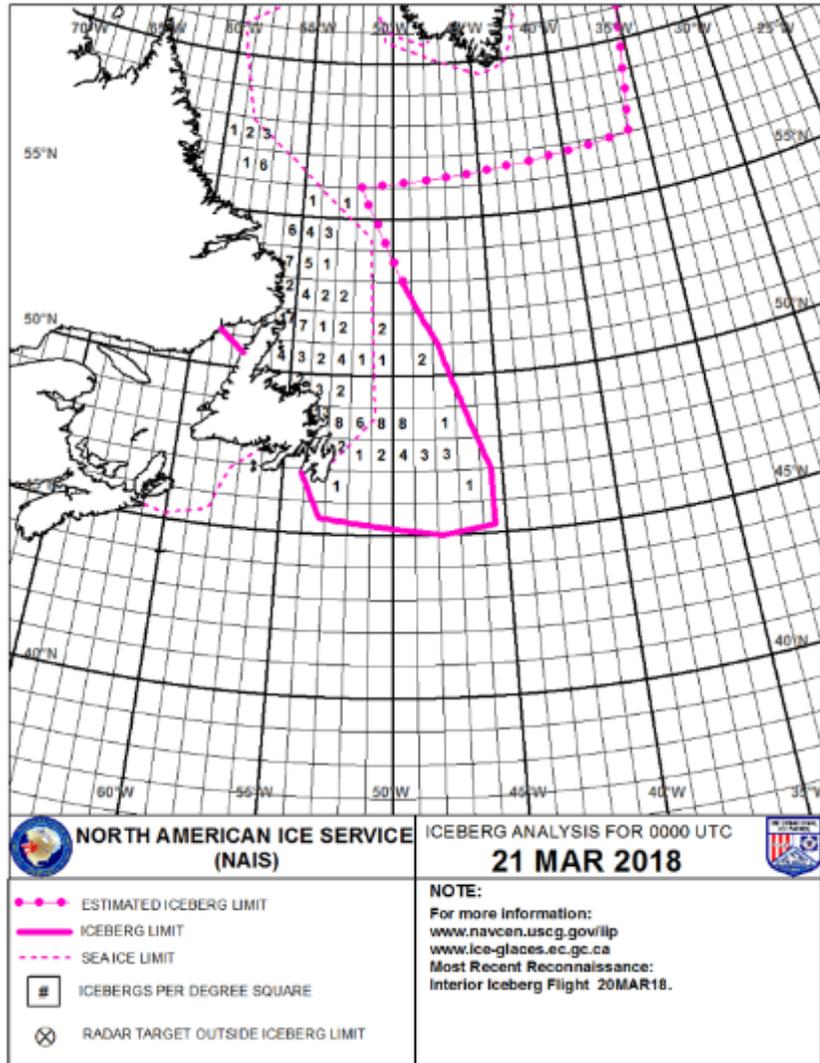
Cloud Top Heights



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



Sea Ice and Icebergs



IIP 21MAR18 0000Z

SEVEN-DAY ICEBERG OUTLOOK FOR EAST NEWFOUNDLAND WATERS AND THE LABRADOR COAST ISSUED BY INTERNATIONAL ICE PATROL (IIP) ON 21 MARCH 2018. THE NEXT ICEBERG OUTLOOK WILL BE ISSUED ON 28 MARCH 2018.

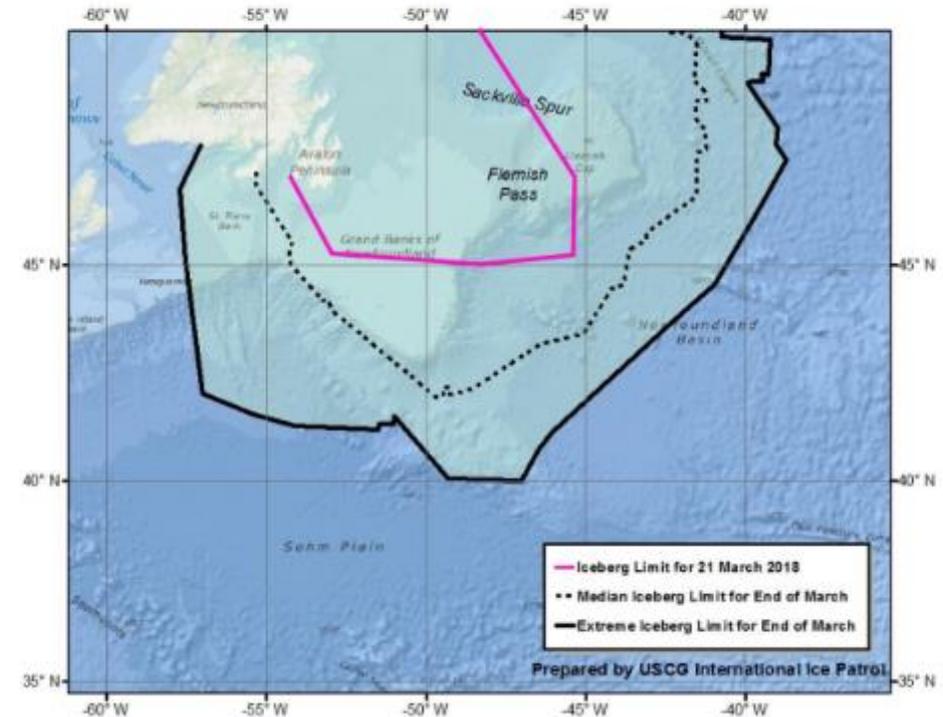
Labrador Coast and Strait of Belle Isle (NORTH OF 52°N):

Sea ice continues to compress along the Labrador Coast coast due to persistent northeasterly winds. Many icebergs are drifting southward outside of the sea ice edge in the Labrador Current. Due to a forecast for continued negative North Atlantic Oscillation (NAO) over the next seven days, sea ice will continue to contract.

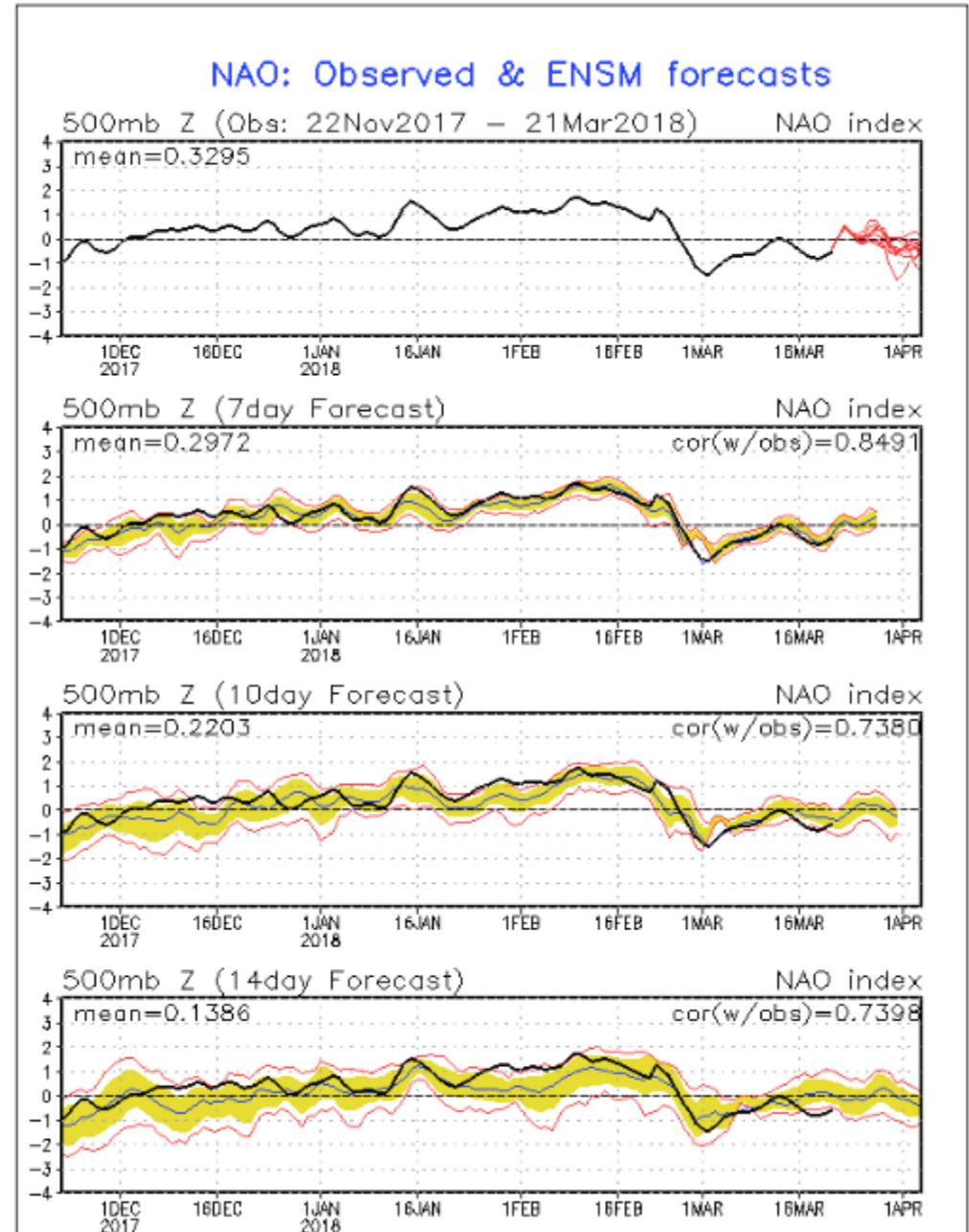
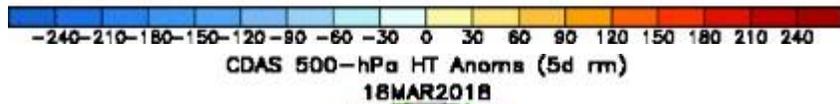
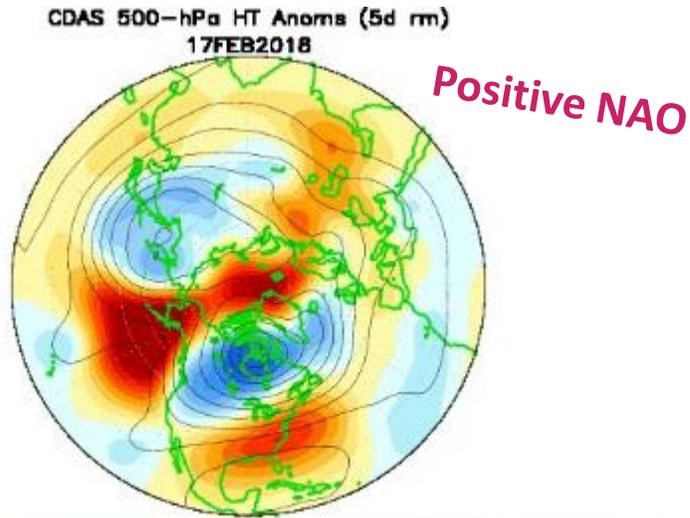
Newfoundland (SOUTH OF 52°N):

Sea-ice is expected to recede northward and toward the east coast of Canada due to storm systems tracking south of Newfoundland. Iceberg observations and forecasted drift show few icebergs drifting southward near the Flemish Pass holding the Iceberg Limit well within the End of March median (dashed line).

The Iceberg Limit is expected to remain close to 45°N and well within the End of March median Iceberg Limit (dashed line) over the next seven days. As of 20 March 2018, 30 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.

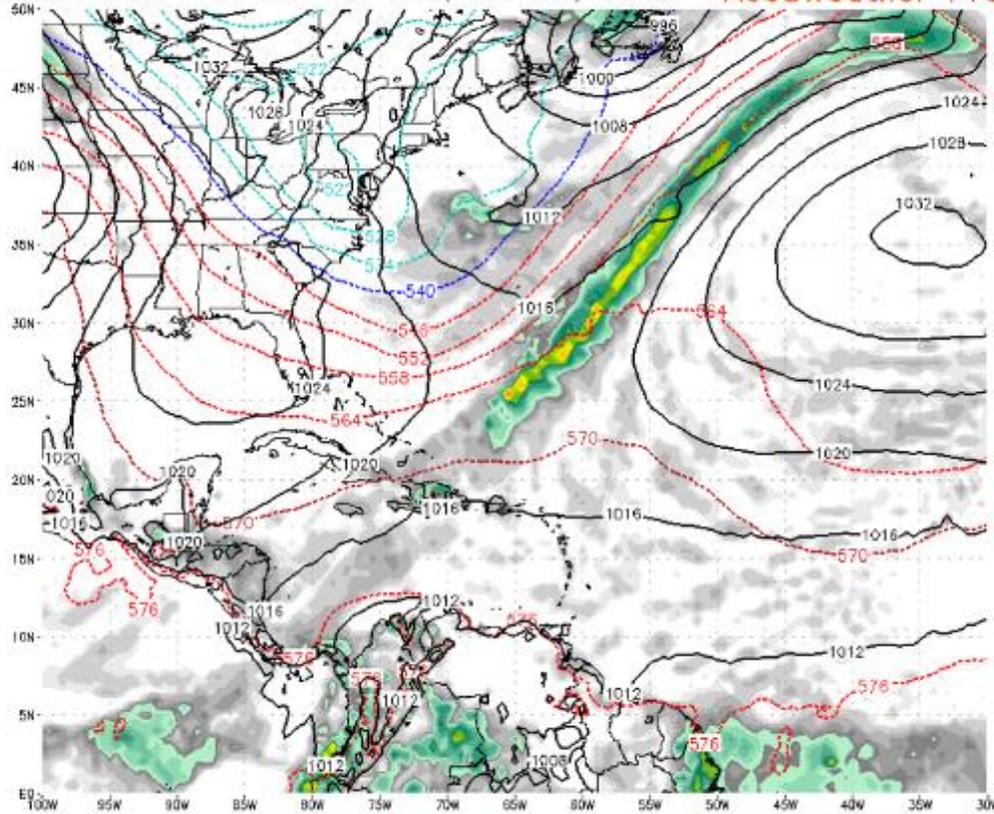


Current NAO

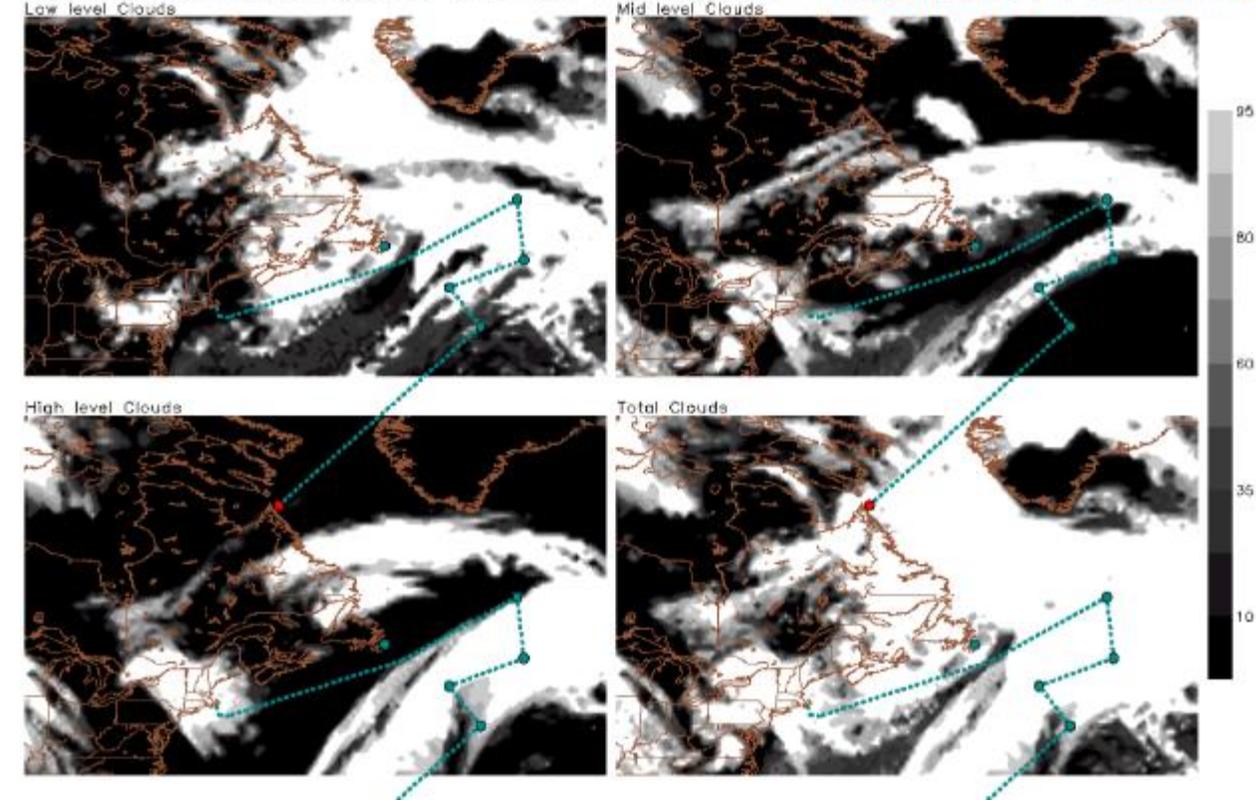


3/23/18 Transit Flight

MSLP (mb), 1000–500 thickness (DM) and 6-hour QPF (inches)
66 hour forecast valid 18Z Fri, MAR 23, 2018
ECMWF Deterministic initialized 00Z Wed, MAR 21, 2018
Max/Min MSLP 1038/995
AccuWeather Professional

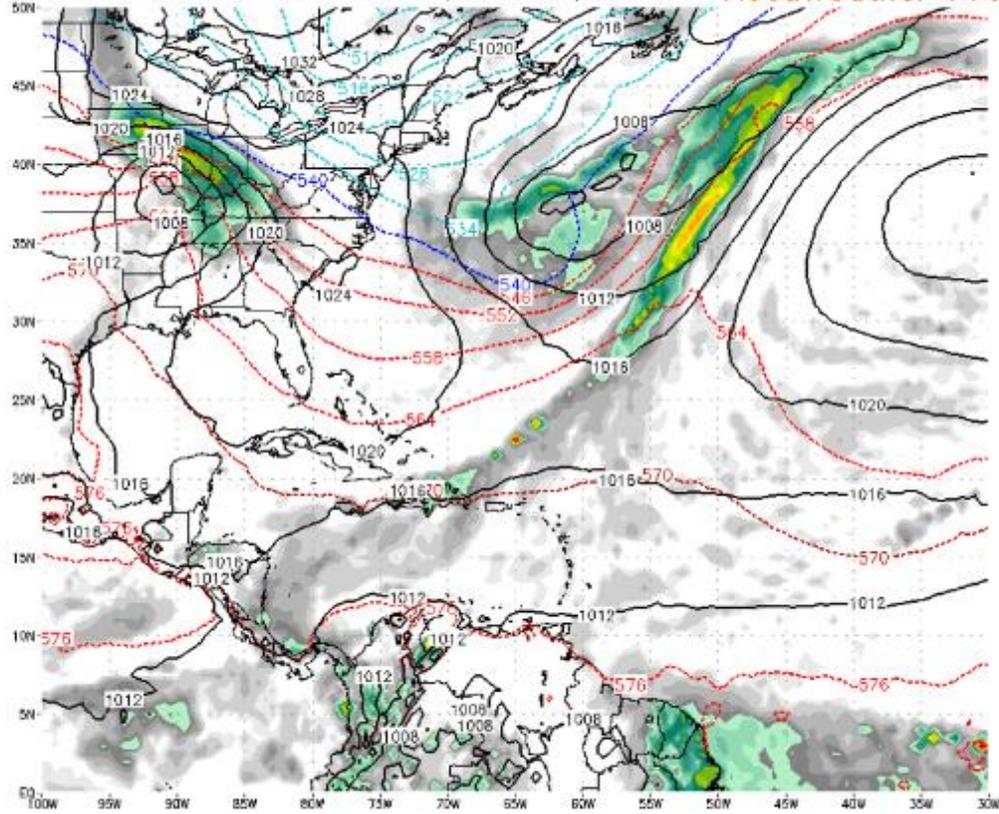


4-panel Cloud Cover (%)
66 hour forecast valid 18Z Fri, MAR 23, 2018
ECMWF Deterministic initialized 00Z Wed, MAR 21, 2018
AccuWeather Professional



3/24/18 Transit Flight

MSLP (mb), 1000–500 thickness (DM) and 6–hour QPF (inches)
90 hour forecast valid 18Z Sat, MAR 24, 2018
ECMWF Deterministic initialized 00Z Wed, MAR 21, 2018
Max/Min MSLP 1040/1003
AccuWeather Professional



4-panel Cloud Cover (%)
90 hour forecast valid 18Z Sat, MAR 24, 2018
ECMWF Deterministic initialized 00Z Wed, MAR 21, 2018
AccuWeather Professional

