

NAAMES

WX Briefing

Monday, March 26, 2018

Michael Shook

Forecast Highlights

- Stalled system gradually weakens and moves over Newfoundland around Thursday, with winds and precip ahead of it (blocking pattern gone by Friday)
- Ship: Wind picks up ahead of front, rain (especially Thursday night with passage), no significant wave problems; need to watch Sunday
- Model agreement: decent agreement through Thursday night
- Next system: Next major system develops along East Coast late this week
- St. John's: Generally warmer, low location brings precip/low vis Wednesday and Thursday. Potential wind risks Wednesday and Sunday.

Forecast Summary

Day 1 (Tuesday) – March 27 – Ship at S1

Recommendation: Fly (low work near ship, cloud + RS near S3)

St. John's: Mostly sunny. Morning low 25°, high 46°. Winds SW 5-10 mph.

Day 2 (Wednesday) – March 28 – Ship at S2

Recommendation: Stand up for flight (full module at S2; possible issues for takeoff and landing)

St. John's: Light freezing rain in the morning, rain in the afternoon. Morning low 29°, high 36°. Winds ESE 15-25mph. Potential low vis in afternoon.

Day 3 (Thursday) – March 29 – Ship in transit to S3

Recommendation: No fly (ship in transit, poor conditions at St. John's)

St. John's: Rain throughout the day. Morning low 39°, high 45°. Winds SW 5-10mph. Low vis likely throughout the day.

Day 4 (Friday) – March 30 – Ship at S3

Recommendation: Fly (full module at S3)

St. John's: Cloudy, potential rain/snow showers early morning. Morning low 33°, high 42°. Winds WNW 10-20mph.

Day 5 (Saturday) – March 31 – Ship in transit to S4

Recommendation: Possible flight (work over ship and/or CALIPSO)

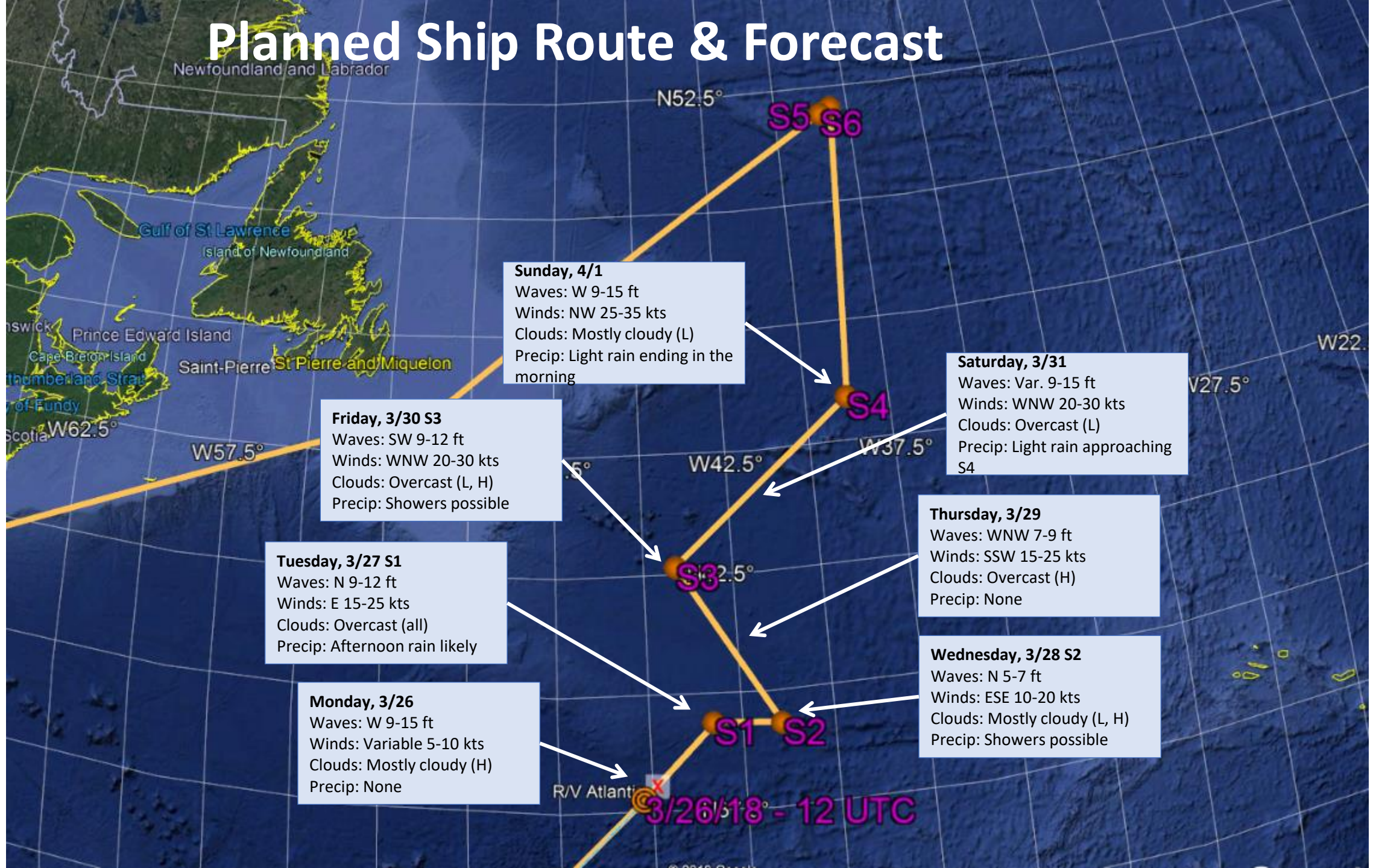
St. John's: Cloudy with possible rain showers (could be freezing in AM). Morning low 32°, high 41°. Winds SW 10-15mph.

Day 6 (Sunday) – April 1 – Ship at S4

Recommendation: Possible flight (work over ship and/or CALIPSO)

St. John's: Cloudy, rainy, and windy. Morning low 35°, high 41°. Winds SW 15-25mph.

Planned Ship Route & Forecast



Current Conditions at St. John's

© 10:59 AM ADT on March 26, 2018 (GMT -0300) | Updated a few seconds ago

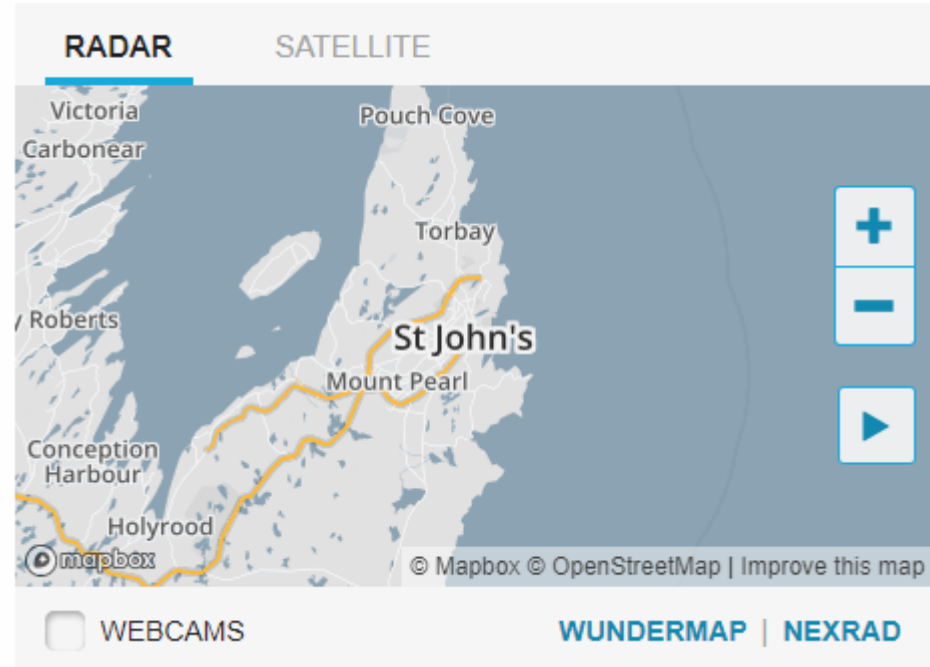


Cloudy

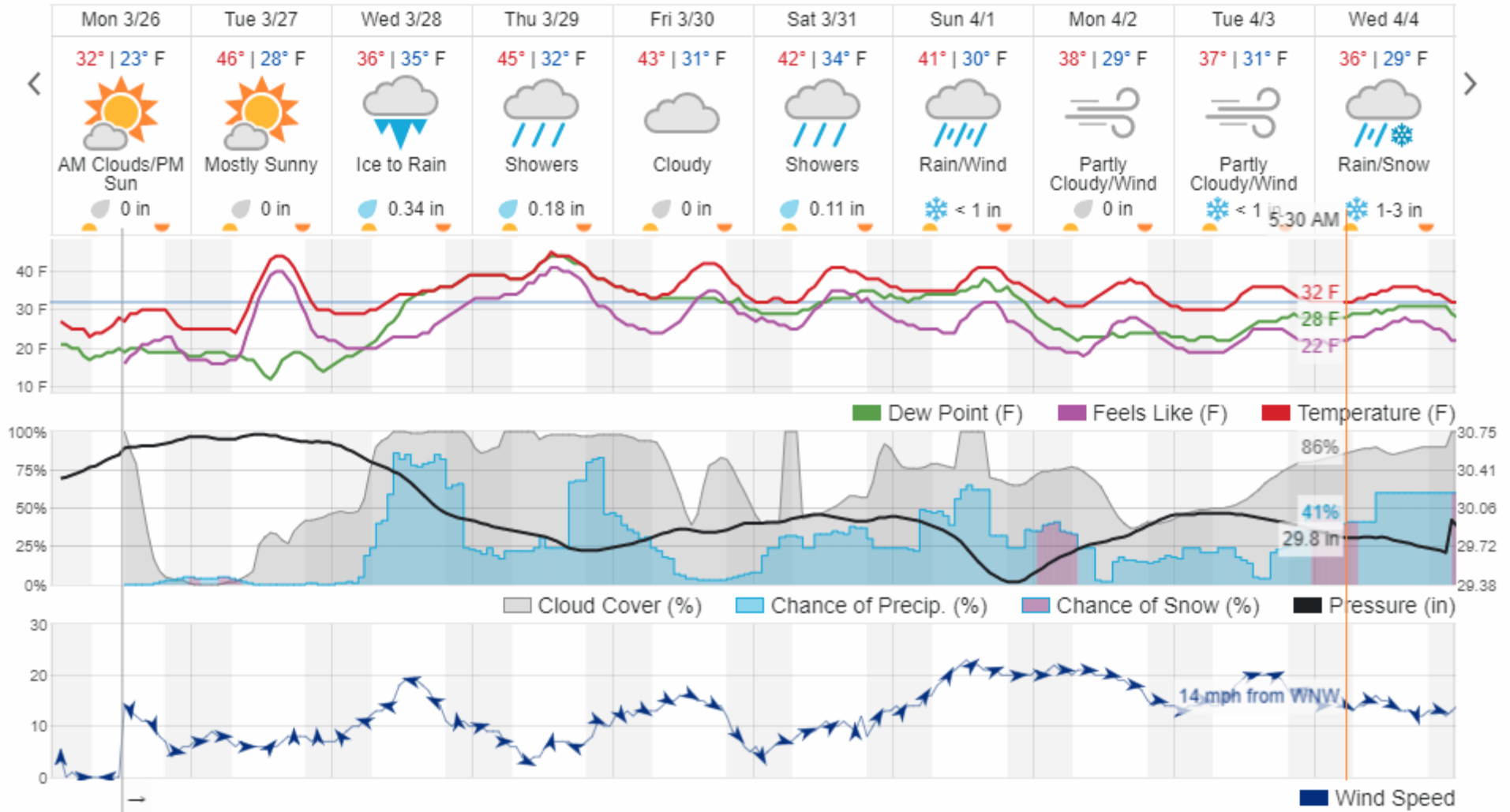


Wind **SSE**

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



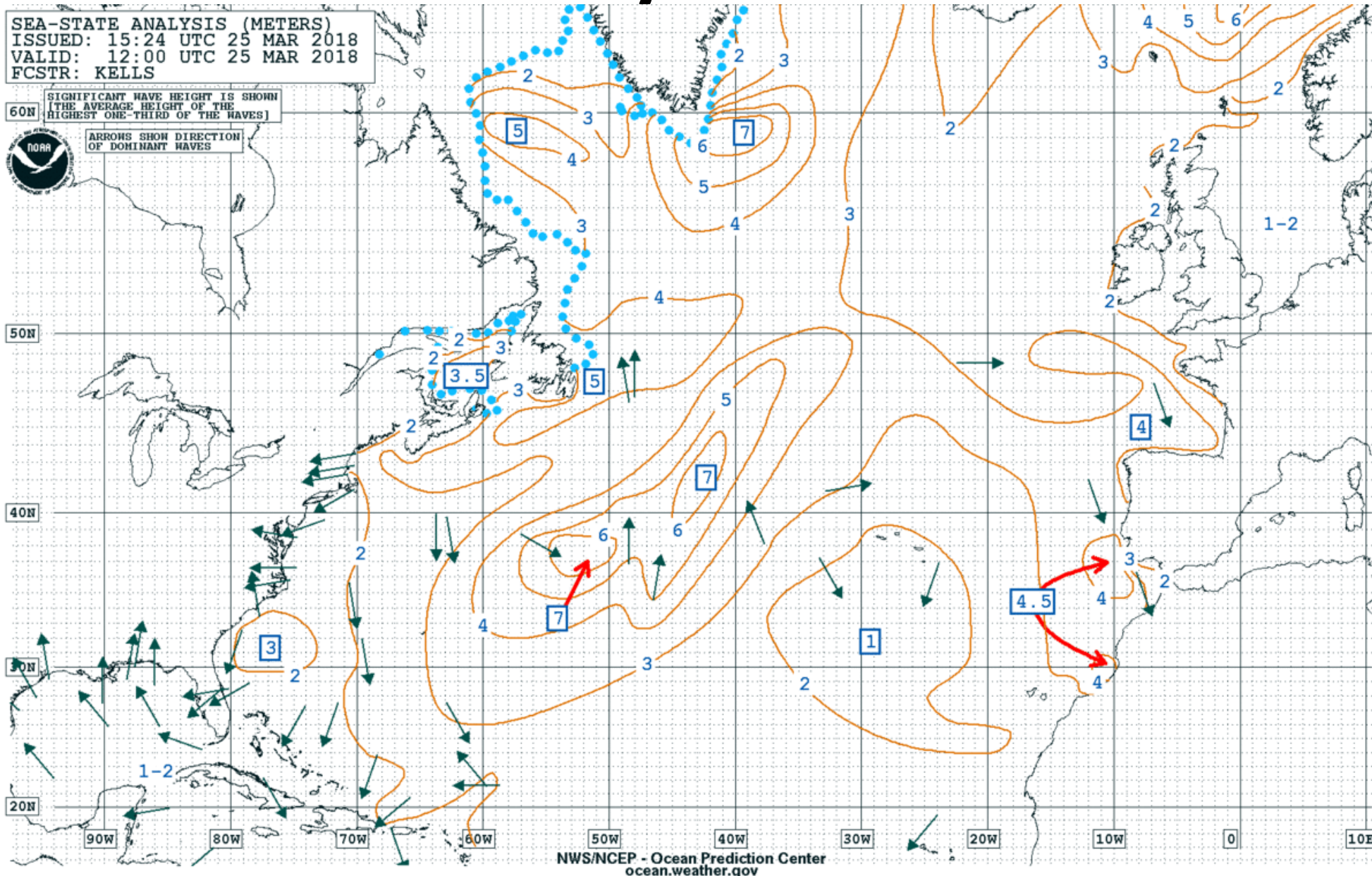
St. John's Forecast



St. John's TAF

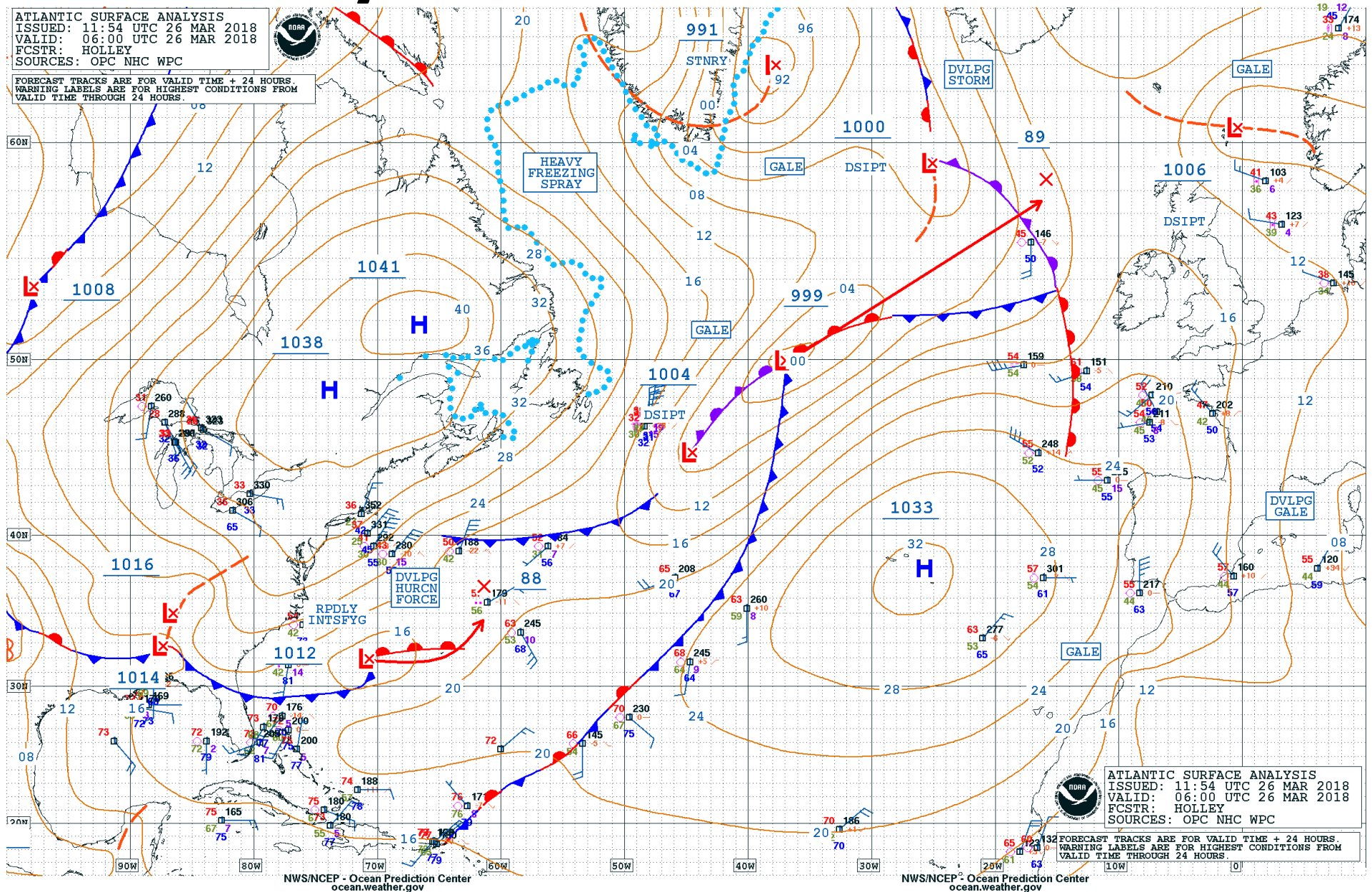
TAF CYYT 261138Z 2612/2712 36012KT P6SM OVC020 TEMPO 2612/2616 OVC025 FM261600 36010KT P6SM SCT020 TEMPO 2616/2618 BKN020 FM270000 32005KT P6SM SKC BECMG 2702/2704 25004KT RMK NXT FCST BY 261800Z=				
TAF		LOCATION		VALIDITY [UTC]
		CYYT - ST. JOHN'S INTL/NL		26 MAR - 1138 to 27 MAR - 1200
TIMES [UTC]	WIND [DEGREES TRUE]	VISIBILITY [STAT. MILES]	WEATHER	CLOUDINESS [FEET AGL]
26 MAR - 1200 to 26 MAR - 1600	360 @ 12 KNOTS	6+	NIL	2000 OVERCAST
TEMPORARY CHANGES 26 MAR - 1200 to 26 MAR - 1600				2500 OVERCAST
26 MAR - 1600 to 27 MAR - 0000	360 @ 10 KNOTS	6+	NIL	2000 SCATTERED
TEMPORARY CHANGES 26 MAR - 1600 to 26 MAR - 1800				2000 BROKEN
27 MAR - 0000 to 27 MAR - 1200	320 @ 5 KNOTS	6+	NIL	CLEAR SKY
BECOMING 27 MAR - 0200 to 27 MAR - 0400	250 @ 4 KNOTS			
REMARKS				
THE NEXT FORECAST WILL BE ISSUED BY 1800 UTC ON DAY 26				

Sea State Analysis



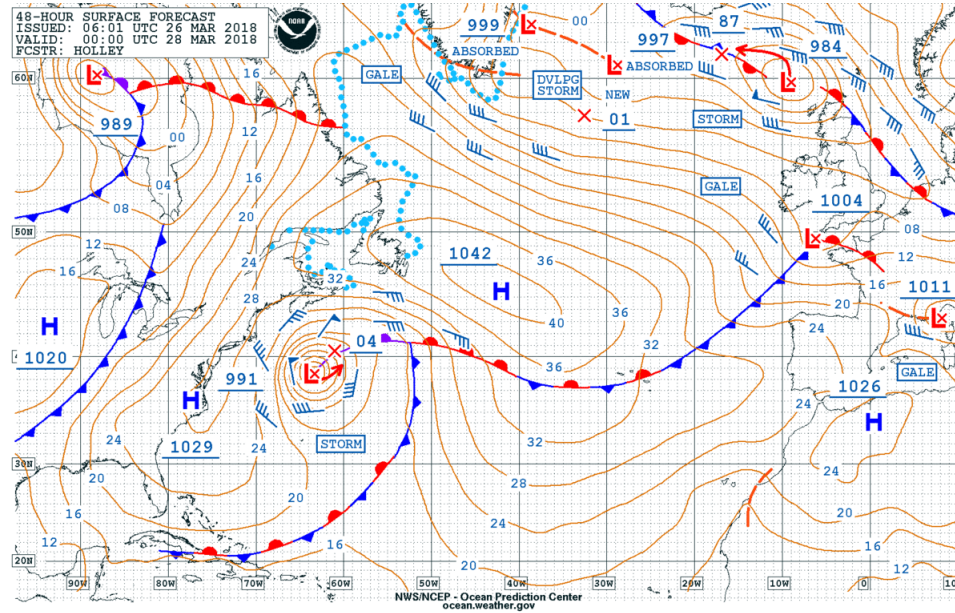
- Significant Wave Height is shown (in meters). This is the average height of the highest one-third of the waves
- Arrows show direction of dominant waves
- Product is a day behind

Surface Analysis

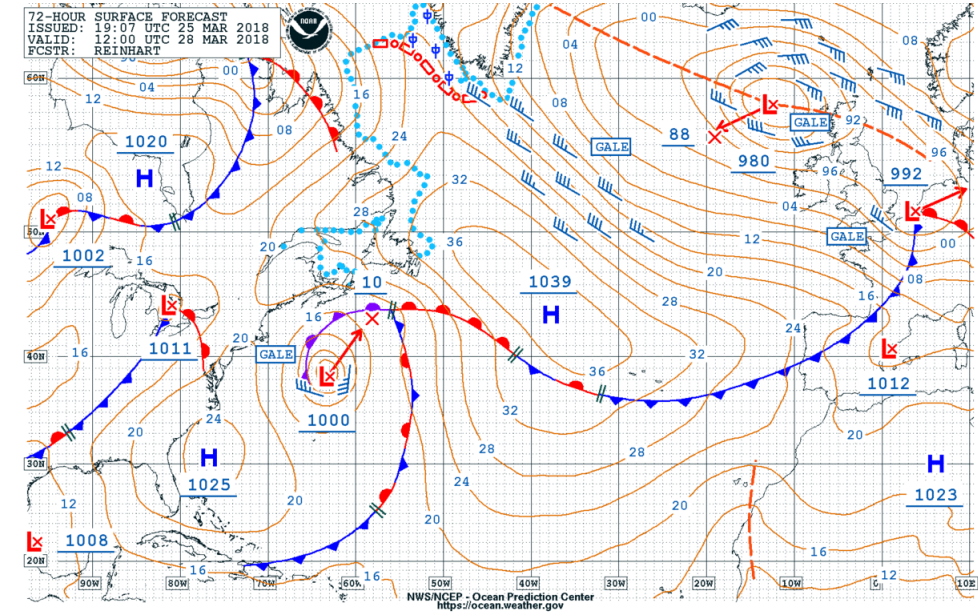


Synoptic Forecast

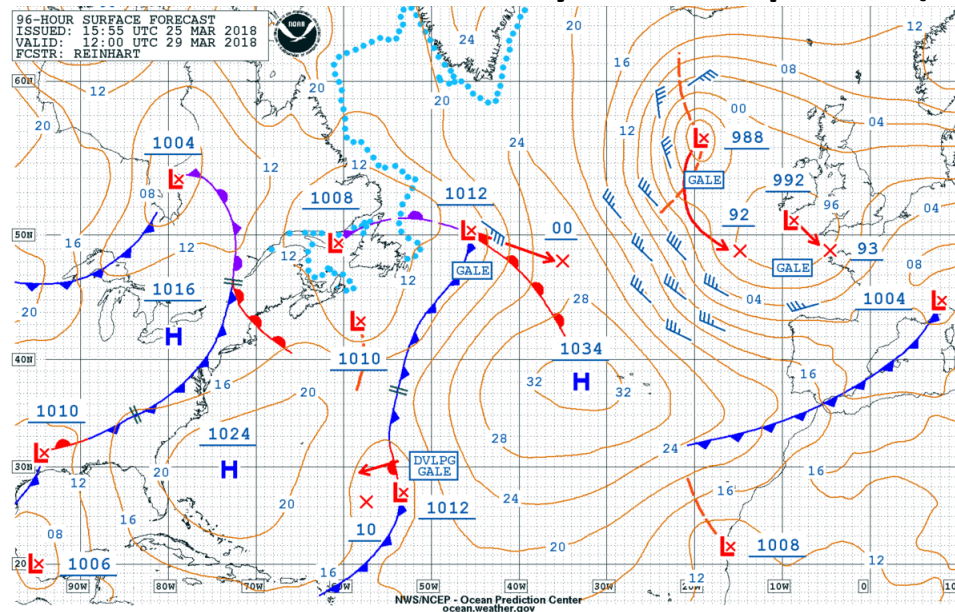
48 Hour Forecast - Tuesday 10pm Ship Time (UTC-2)



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



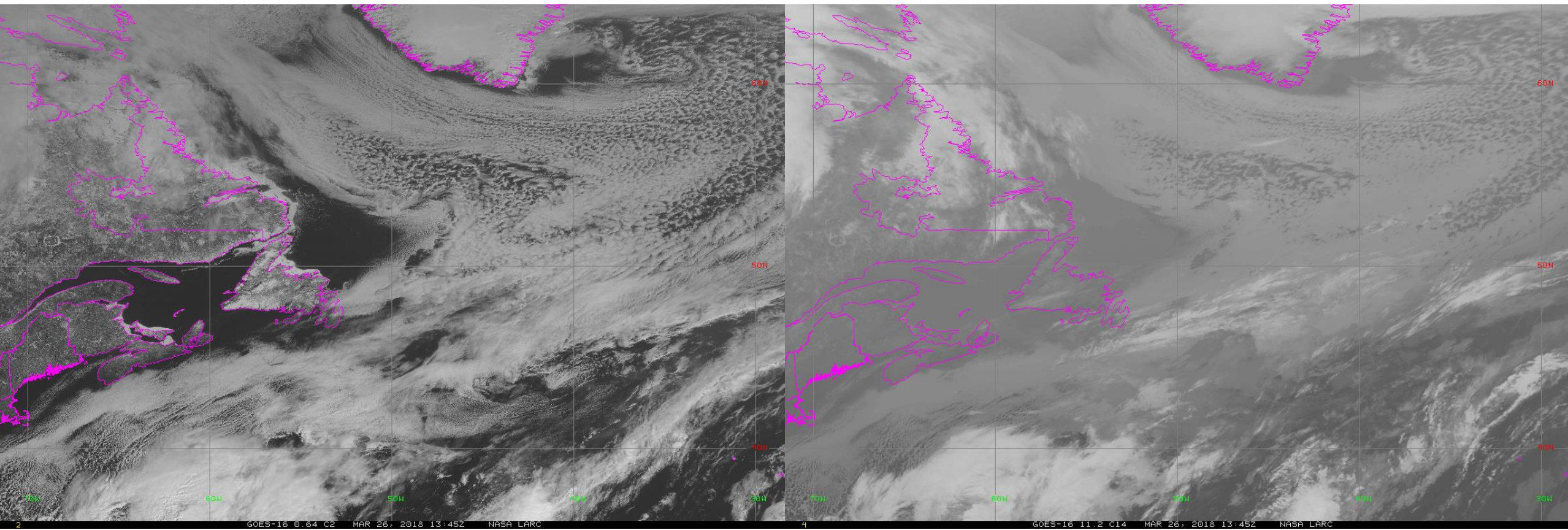
96 Hour Forecast - Thursday 10am Ship Time (UTC-2)



GOES-16 Imagery (3/26 13:45 UTC)

Visible

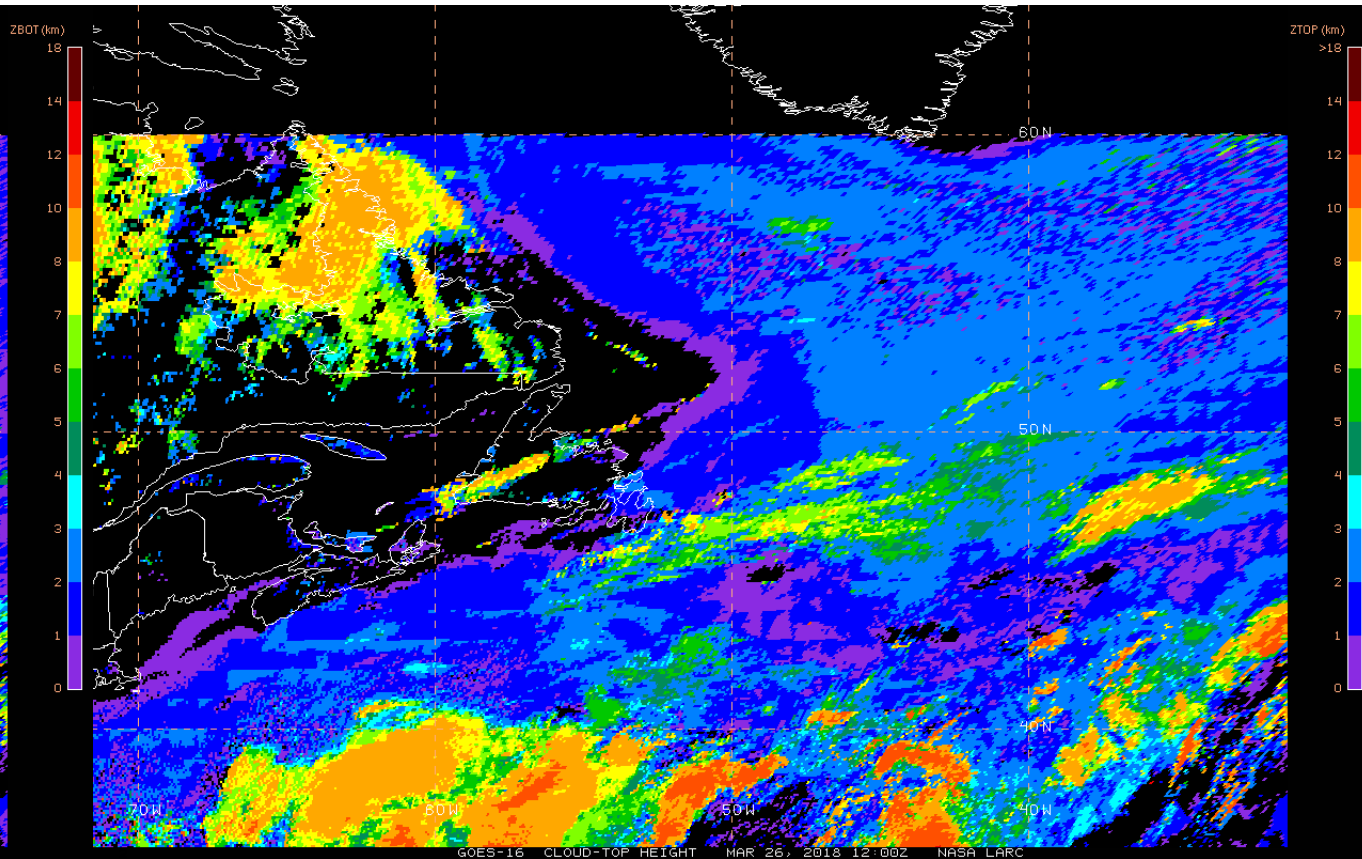
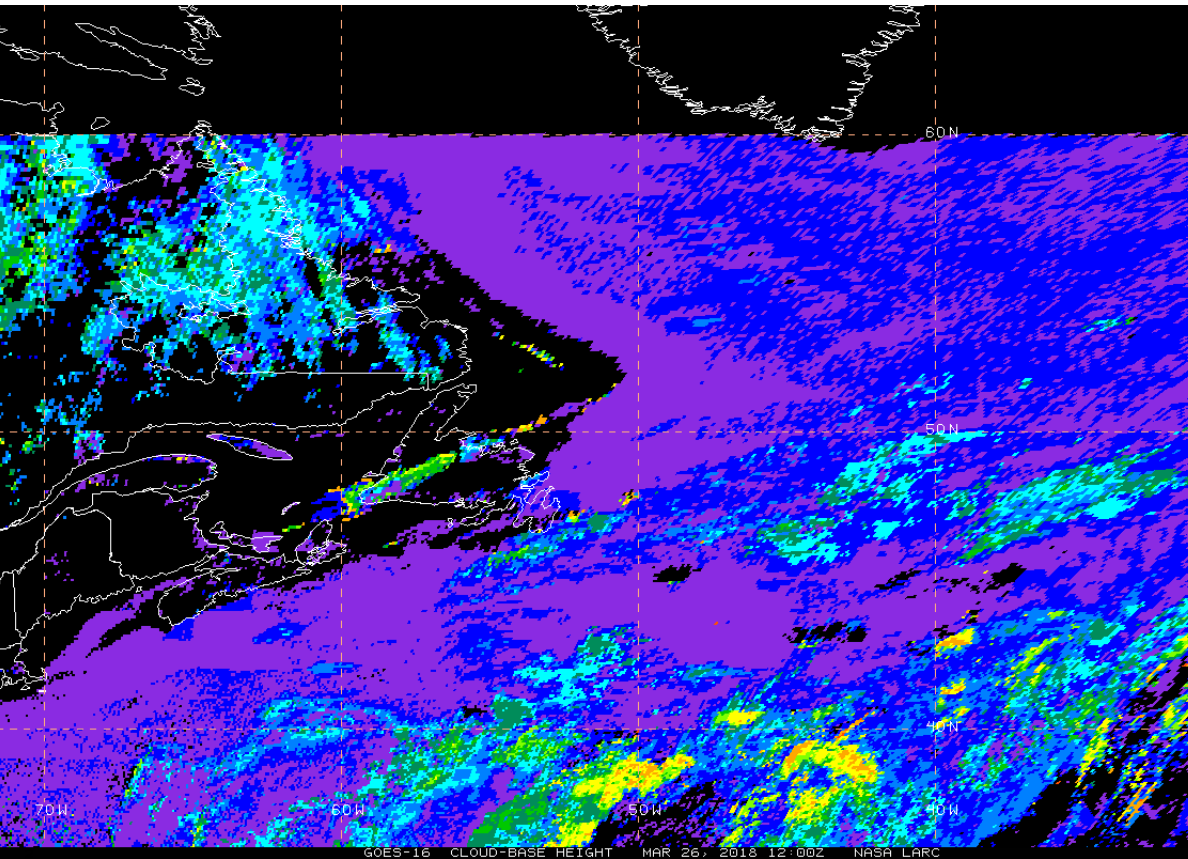
IR



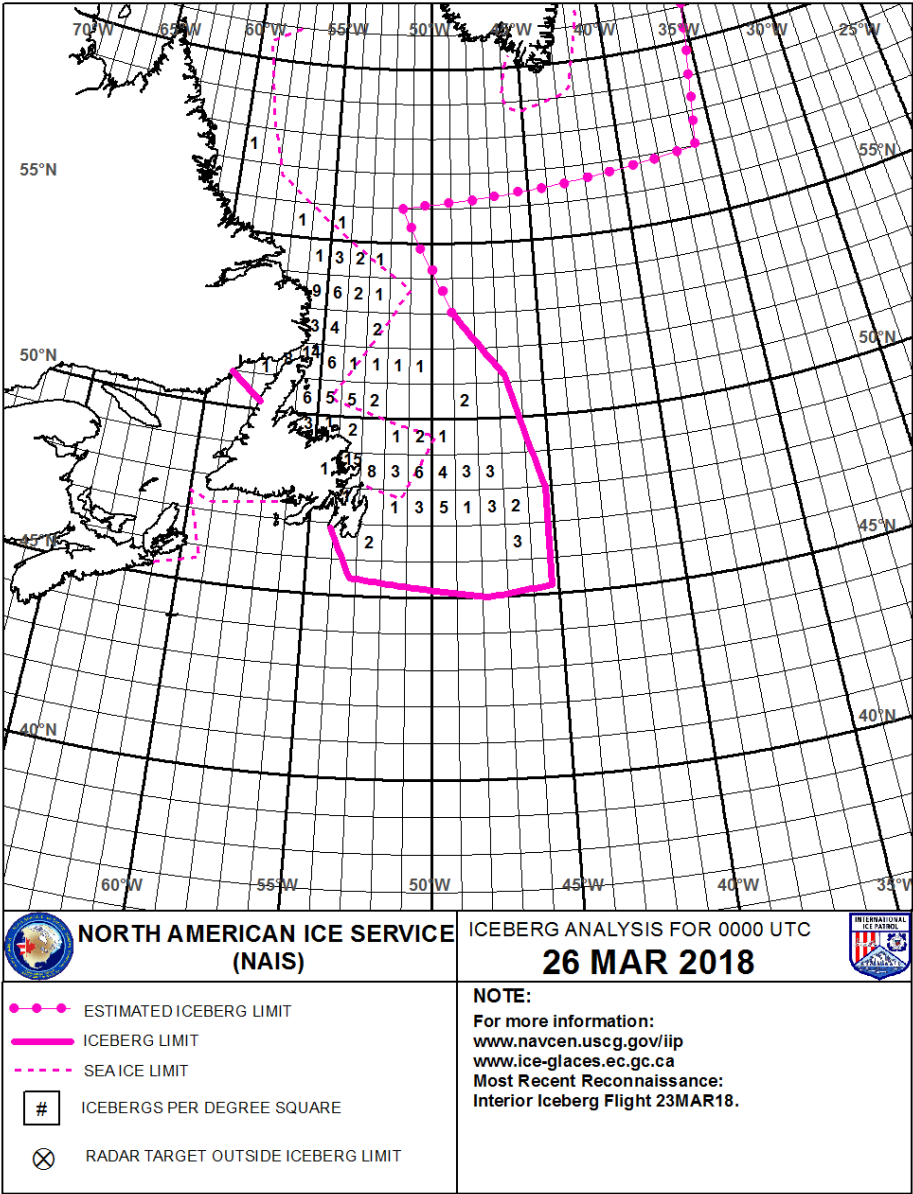
GOES-16 Cloud Products (3/26 12:00 UTC)

Cloud Base Heights

Cloud Top Heights



Sea Ice and Icebergs



3/27/18 S1 Flight

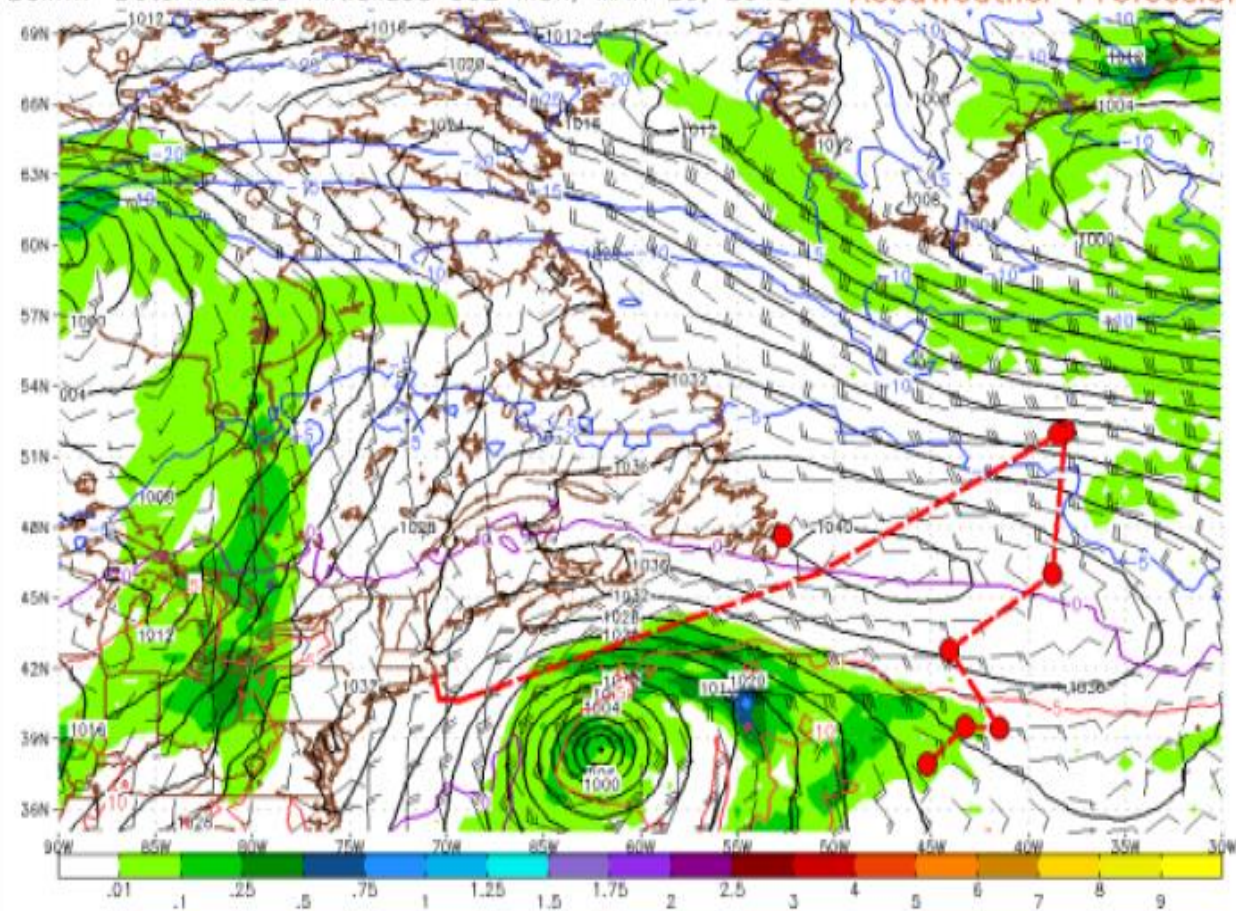
LOW

18Z

MID

MSLP(mb), 850mb temp(C), 3-hour QPF(in) and 10m wind(kt)
42 hour forecast valid 18Z Tue, MAR 27, 2018
ECMWF Deterministic initialized 00Z Mon, MAR 26, 2018

AccuWeather Professional

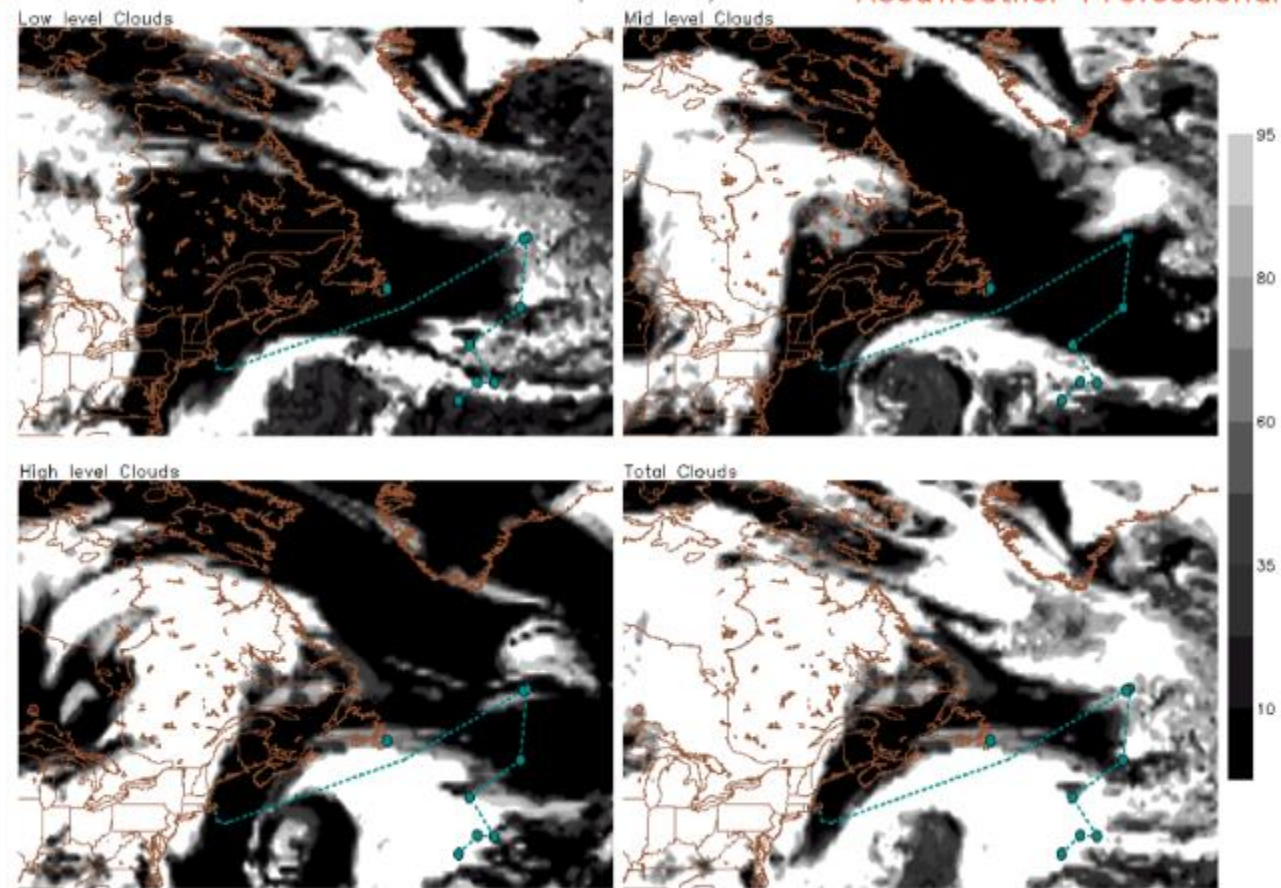


4-panel Cloud Cover (%)

42 hour forecast valid 18Z Tue, MAR 27, 2018

ECMWF Deterministic initialized 00Z Mon, MAR 26, 2018

AccuWeather Professional



HIGH

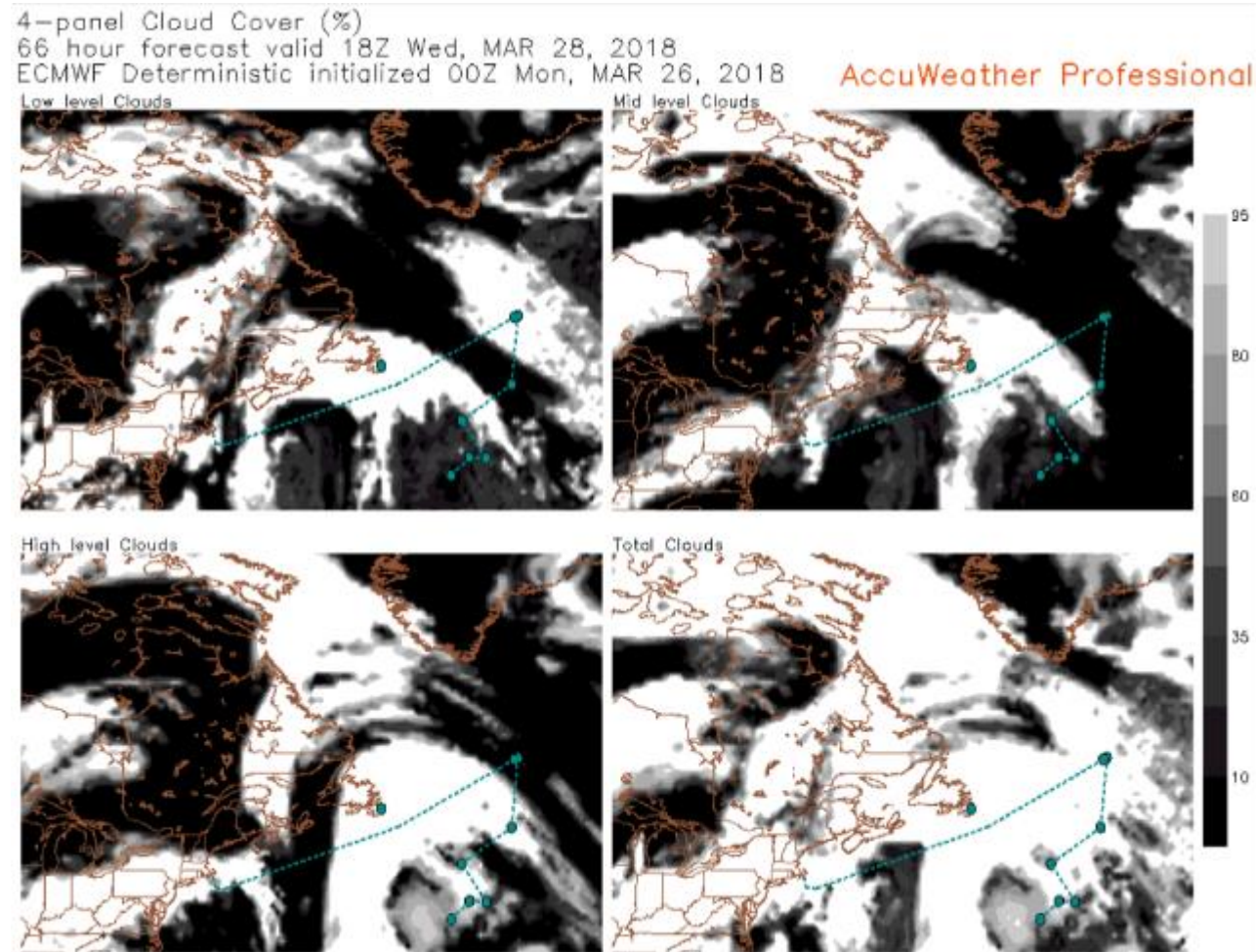
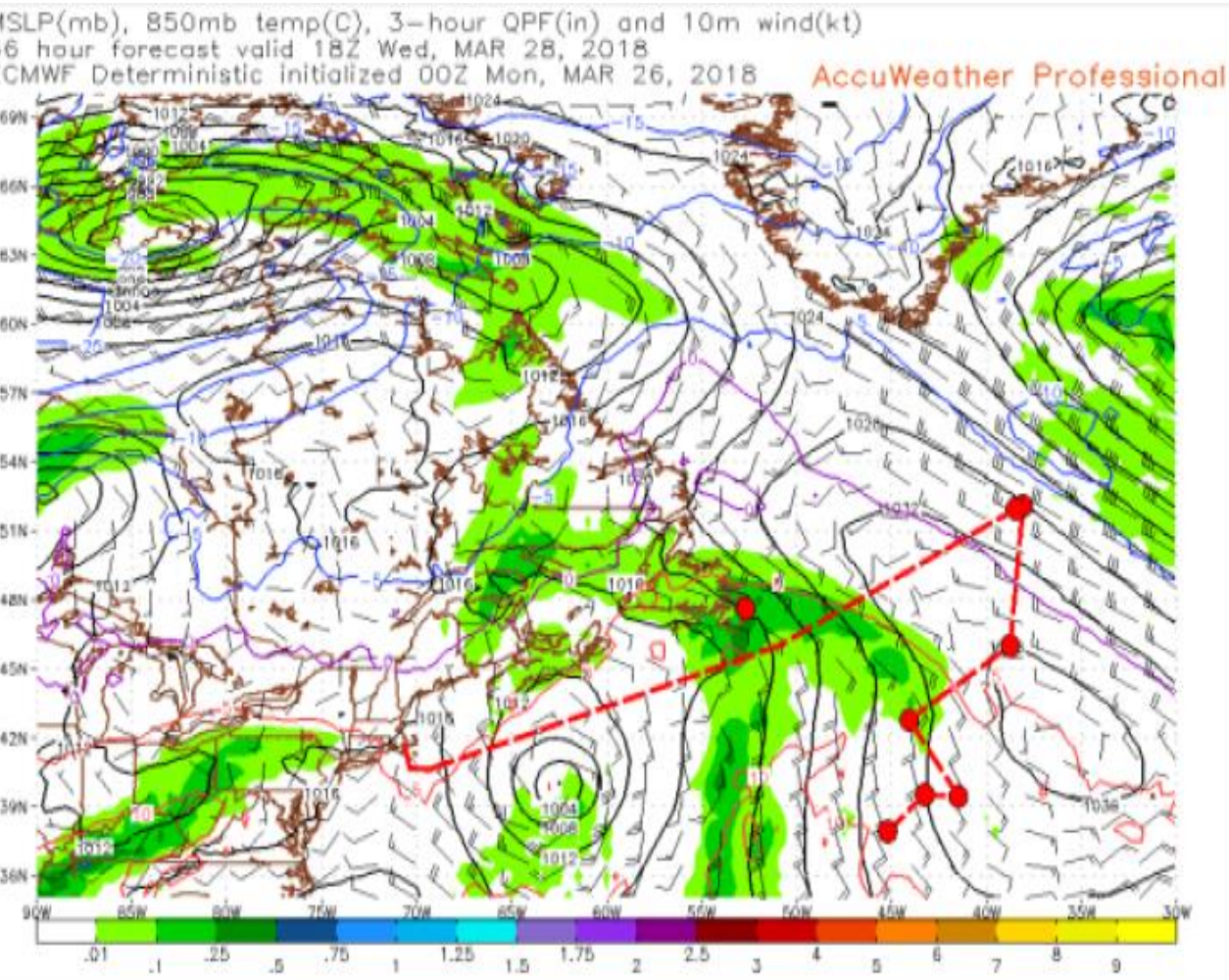
TOTAL

3/27/18 S2 Flight

LOW

18Z

MID

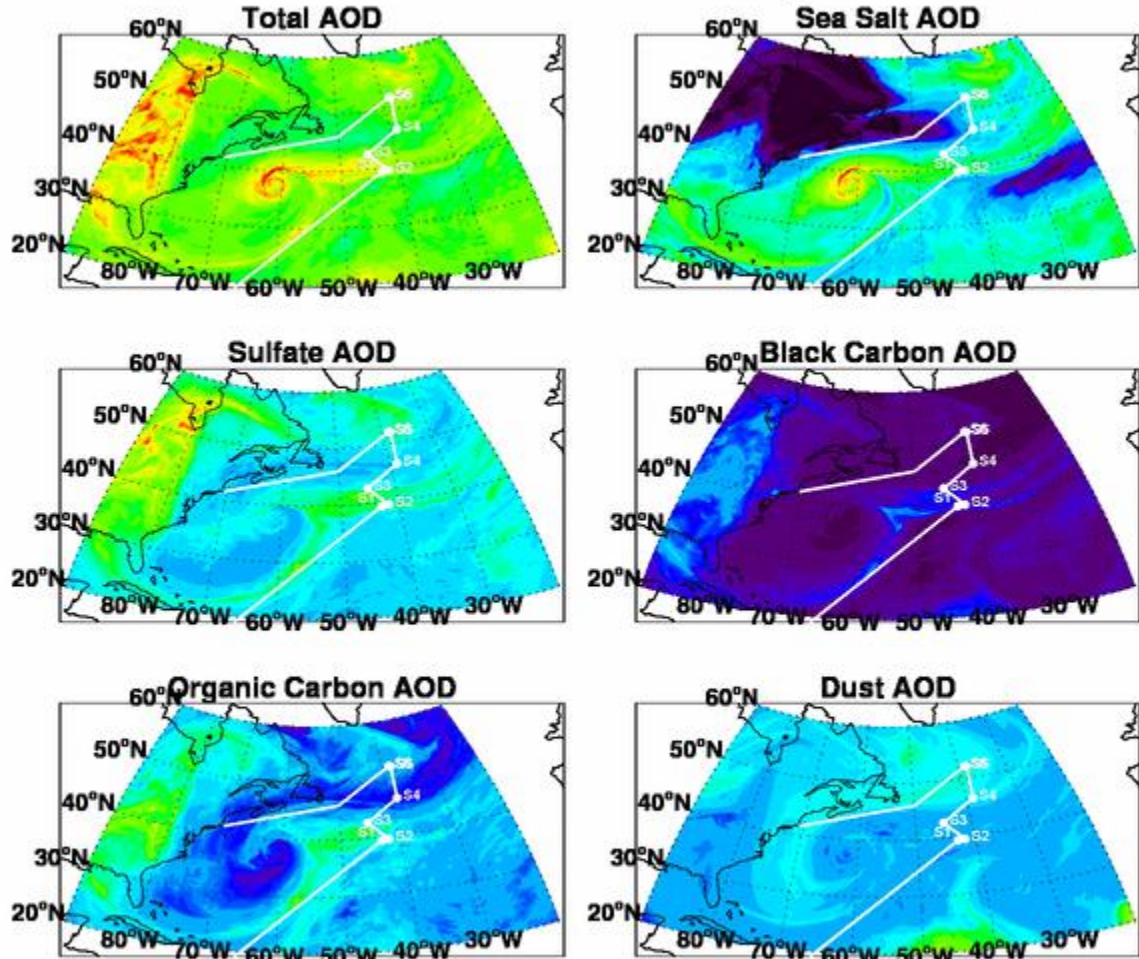


HIGH

TOTAL

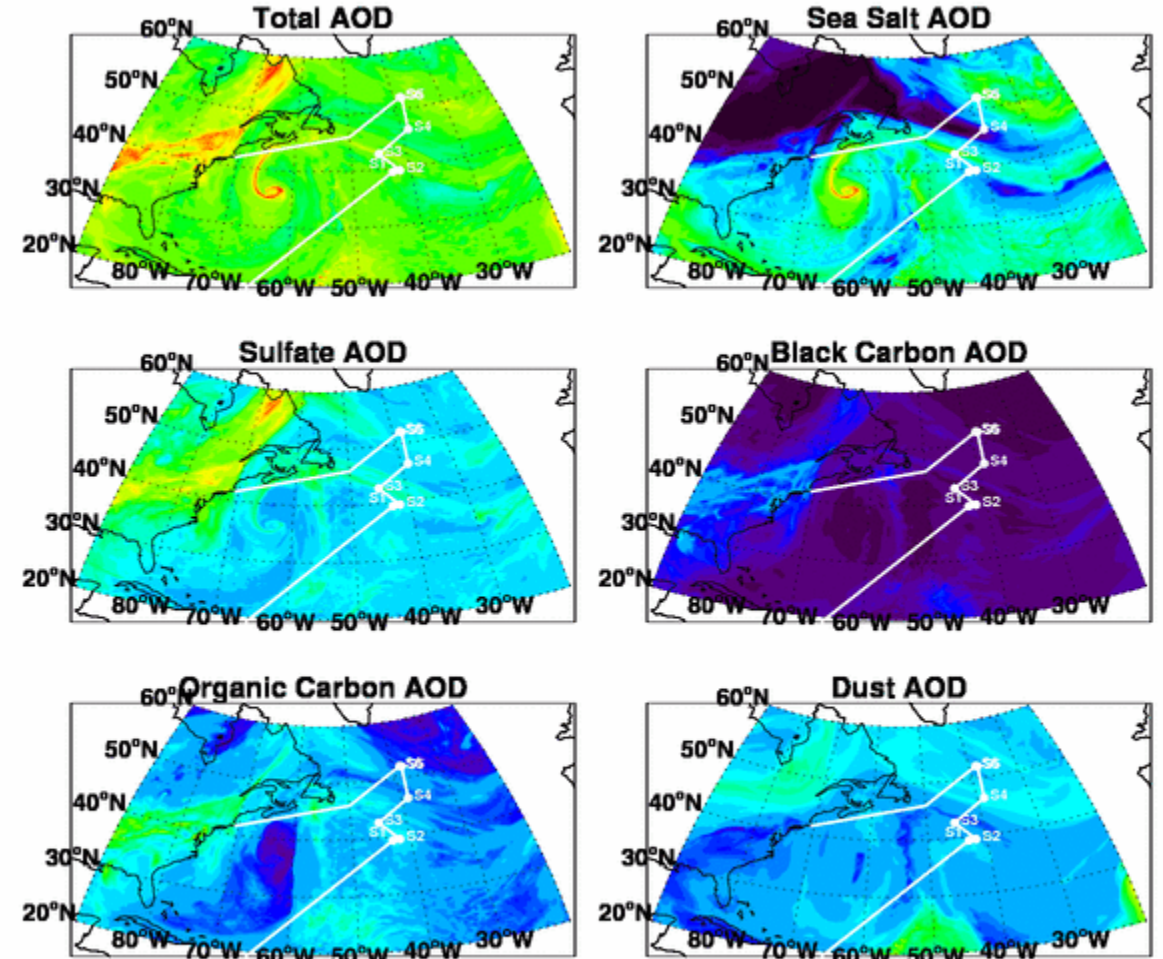
Aerosol Forecast

GEOS-FP Forecast 20180327_1500Z



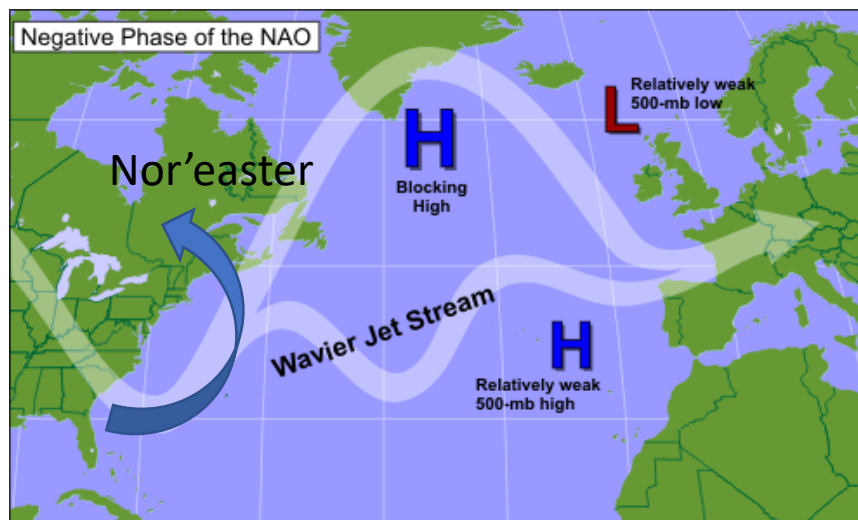
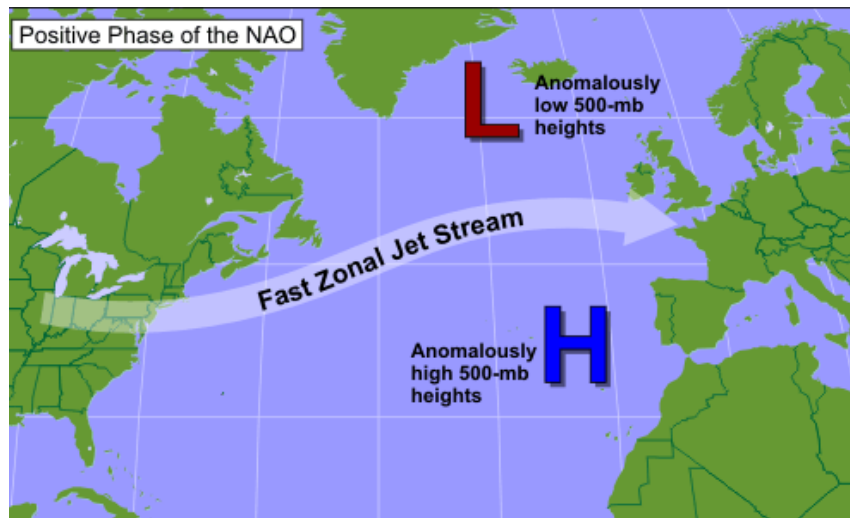
0.000 0.002 0.004 0.006 0.008 0.010 0.030 0.050 0.070 0.090 0.100 0.200 0.300 0.400 0.500 0.600

GEOS-FP Forecast 20180328_1500Z



0.000 0.002 0.004 0.006 0.008 0.010 0.030 0.050 0.070 0.090 0.100 0.200 0.300 0.400 0.500 0.600

Current NAO



NAO: Observed & ENSM forecasts

