

# **NAAMES WX Briefing**

**Wednesday, April 4, 2018**

Amy Jo Scarino

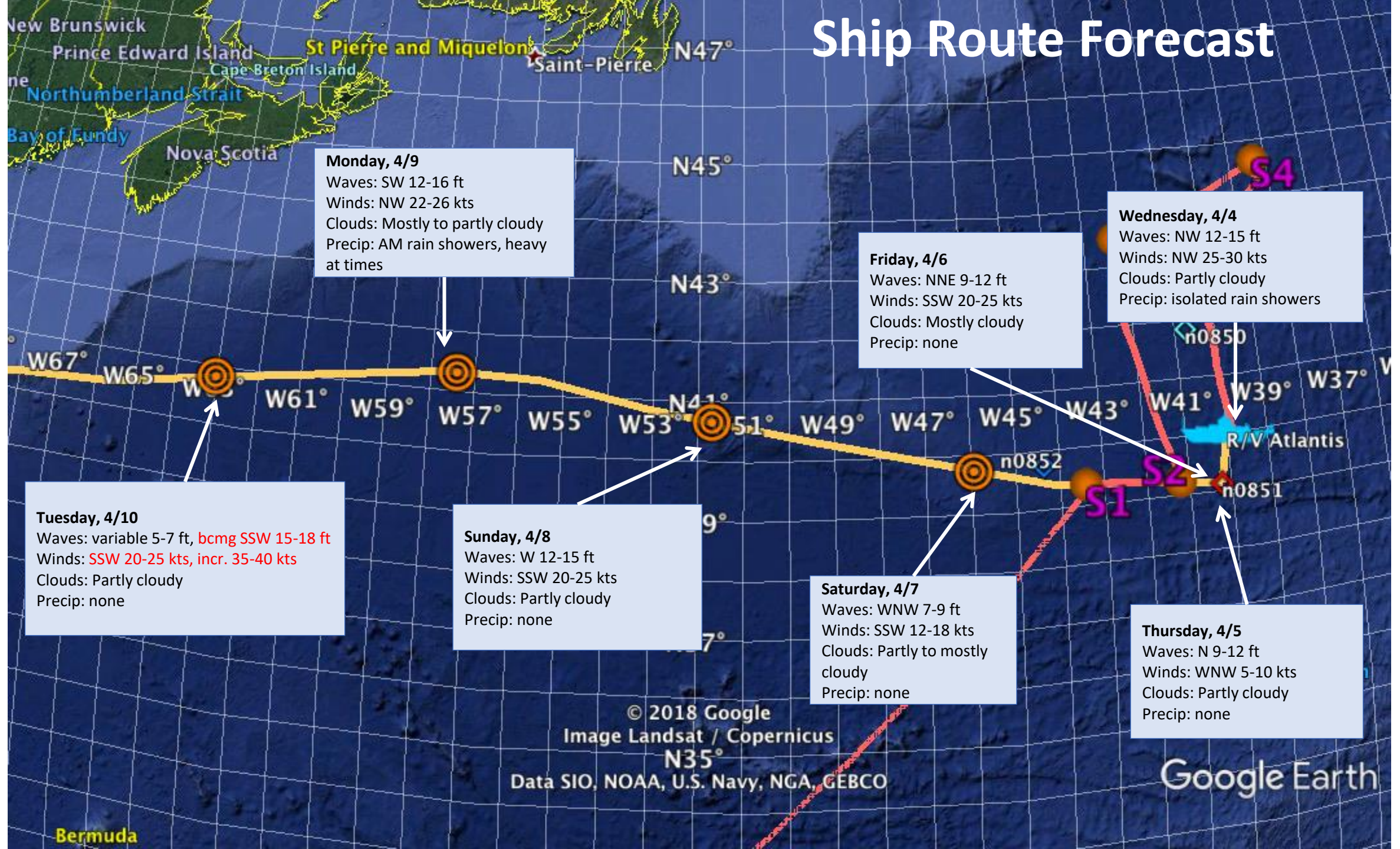
# Forecast Highlights

- **Model agreement:** Models agree out to Friday with frontal location, disagreement on systems 2 & 3 with timing/strength/location
- **Next system:** 3 storms of interest: (1) frontal passage affect ship Friday PM into Saturday AM (2) storm on Sunday PM into Monday AM along transit (3) storm on Tuesday PM
- **Ship:** Still in vicinity of storms, but high pressure moves back in on Thursday before frontal passage on Friday night into Saturday morning will start to kick up sea state again.
- **St. John's:** Wednesday night will see a wintry mix and high winds, with snow/ice accumulation 1-3" before changing over to rain. Winds will decrease a bit on Thursday. Friday will still be windy but no precip, chance of wintry mix again on Saturday.

# Forecast Summary – Ship Options

Day	St. John's	Ship	Ship Weather
Day 1 Thursday 4/5	Mostly to partly cloudy & rain Morning low: 27; High: 51 Winds: S->SW 18-20 mph	At S2f	Waves: N 9-12 ft Winds: WNW 5-10 kts Clouds: Partly cloudy Precip: none
Day 2 Friday 4/6	Partly cloudy & windy Morning low: 29; High: 31 Winds: WSW 20-30 mph	At S2f	Waves: NNE 9-12 ft Winds: SSW 20-25 kts Clouds: Mostly cloudy Precip: none, overnight rain
Day 3 Saturday 4/7	Overcast & wintry mix (3-5") Morning low: 25; High: 37 Winds: S (var.) 15-20 mph	Transit to WHOI	Waves: WNW 7-9 ft Winds: SSW 12-18 kts Clouds: Partly to mostly cloudy Precip: none
Day 4 Sunday 4/8	Snow showers (1-3") Morning low: 26; High: 33 Winds: W->E 6-12 mph	Transit to WHOI	Waves: W 12-15 ft Winds: SSW 20-25 kts Clouds: Partly cloudy Precip: none **overnight waves up to 24ft, gusts to 40kts
Day 5 Monday 4/9	Overcast & rain showers Morning low: 30; High: 41 Winds: WSW 20-25 mph	Transit to WHOI	Waves: SW 12-16 ft Winds: NW 22-26 kts Clouds: Mostly to partly cloudy Precip: AM rain showers, heavy at times
Day 6 Tuesday 4/10	Partly cloudy Morning low: 26; High: 36 Winds: W 18-22 mph	Transit to WHOI	Waves: variable 5-7 ft, <b>bcmg SSW 15-18 ft</b> Winds: <b>SSW 20-25 kts, incr. 35-40 kts</b> Clouds: Partly cloudy Precip: none

# Ship Route Forecast





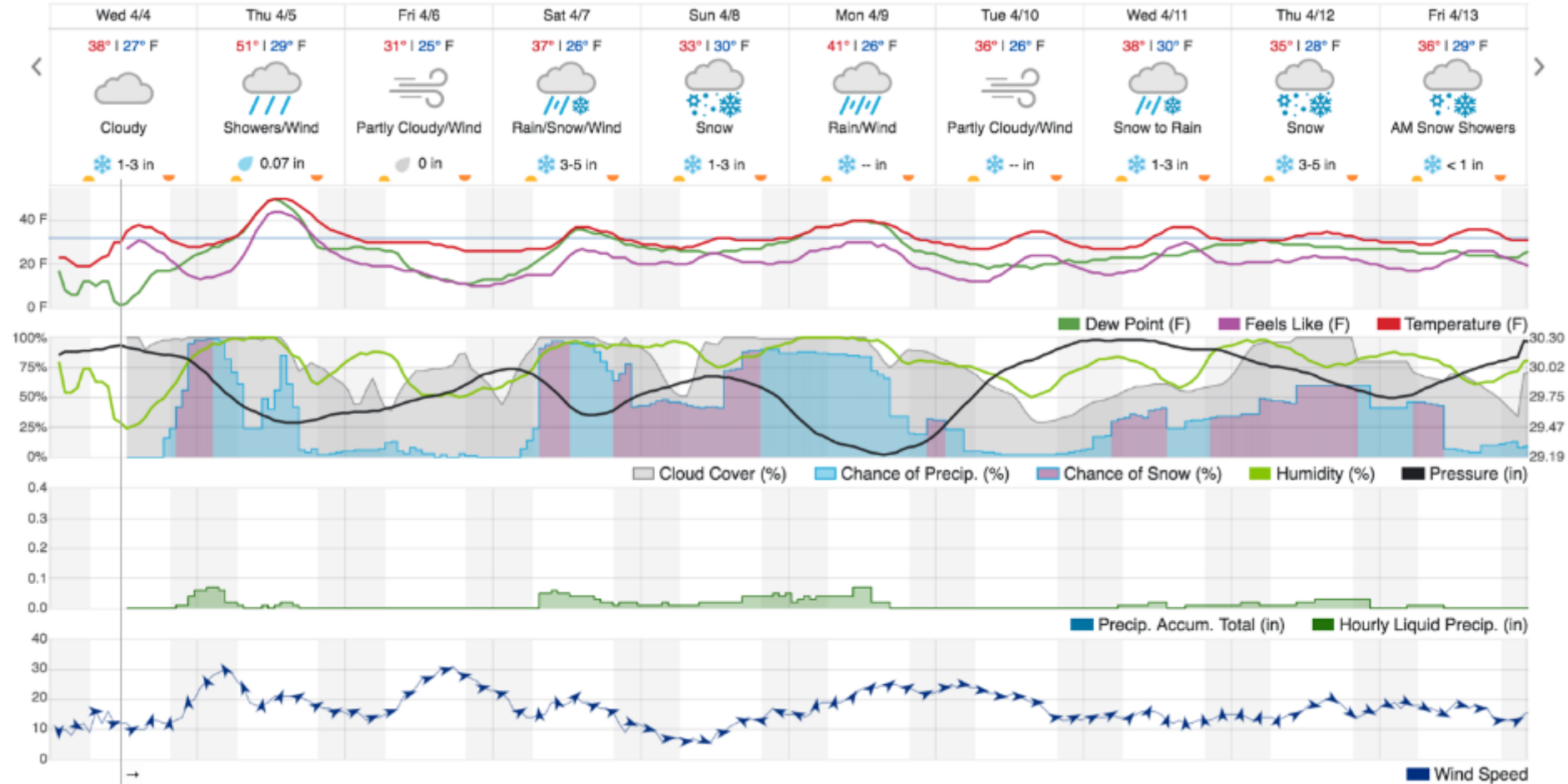
# St. John's - Current & Forecast



Cloudy



Wind WSW  
Gusts -



# St. John's - TAF

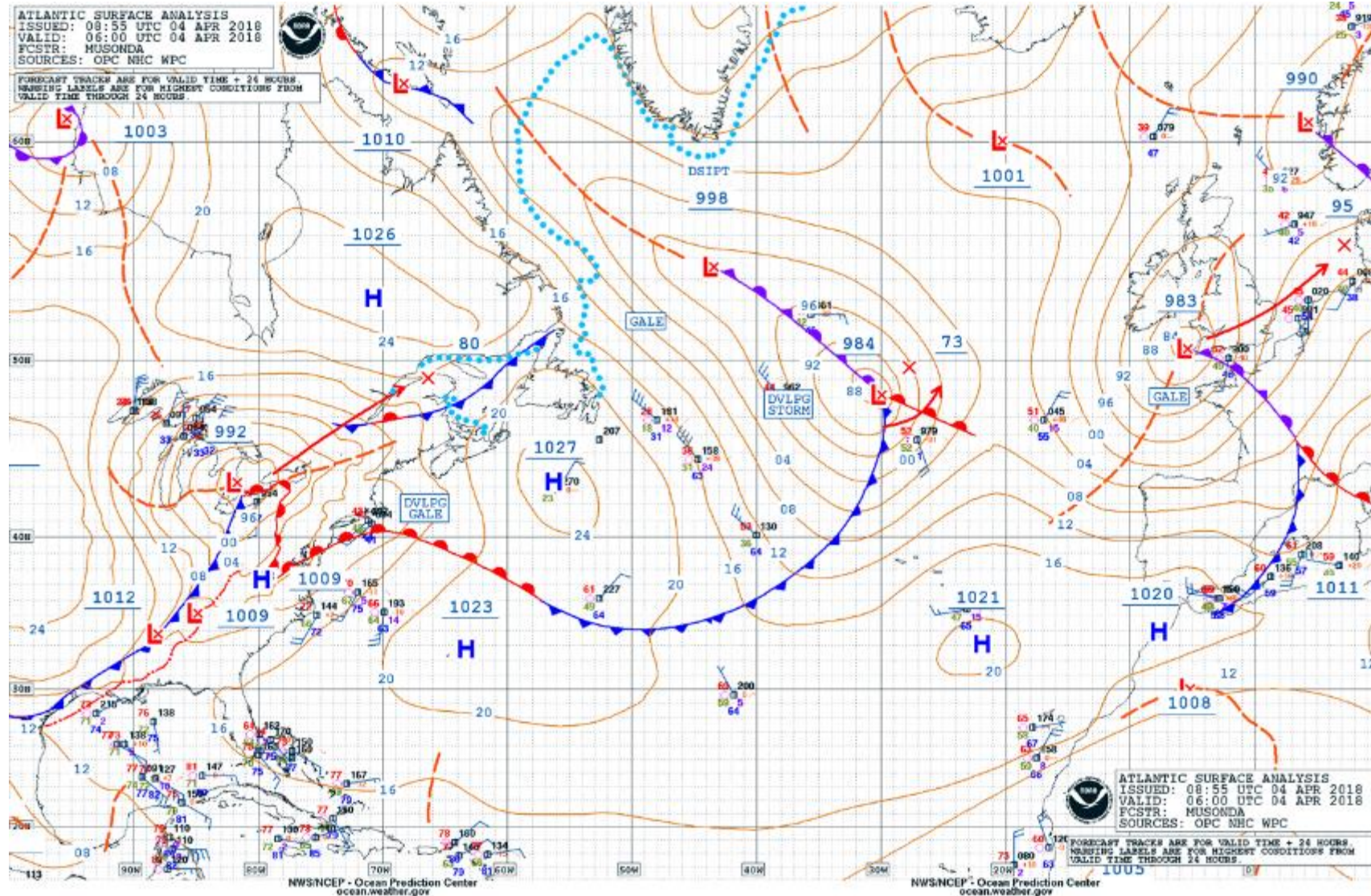
TAF CYYT 041139Z 0412/0512 27015KT P6SM FEW040 BKN180 24012G22KT P6SM OVC100  
FM042100 20013G23KT 6SM -SN FEW020 OVC050 FM042200 18015G25KT 11/2SM -SN OVC010  
FM042300 17018G28KT 1/2SM SN VV005 FM050200 14018G28KT 1SM -SN -PL BR VV005 PROB40  
0502/0504 3/4SM -FZRA BR OVC003 FM050400 14020G35KT 3/4SM -FZRA BR OVC003 FM050700  
20020G30KT 1/2SM -RA FG VV001 FM051100 20020G30KT 3/4SM -DZ BR OVC003 RMK NXT FCST BY  
041800Z=

TAF		LOCATION		VALIDITY [UTC]	
		CYYT - ST. JOHN'S INTL/NL		04 APR - 1139 to 05 APR - 1200	
TIMES [UTC]	WIND [DEGREES TRUE]	VISIBILITY [STAT. MILES]	WEATHER	CLOUDINESS [FEET AGL]	
04 APR - 1200 to 04 APR - 1800	270 @ 15 KNOTS	6+	NIL	4000 FEW 18000 BROKEN	
04 APR - 1800 to 04 APR - 2100	240 @ 12 KNOTS GUSTS 22 KNOTS	6+	NIL	10000 OVERCAST	
04 APR - 2100 to 04 APR - 2200	200 @ 13 KNOTS GUSTS 23 KNOTS	6	LIGHT SNOW	2000 FEW 5000 FEW 5000 OVERCAST	
04 APR - 2200 to 04 APR - 2300	180 @ 15 KNOTS GUSTS 25 KNOTS	1 1/2	LIGHT SNOW	1000 OVERCAST	
04 APR - 2300 to 05 APR - 0200	170 @ 18 KNOTS GUSTS 28 KNOTS	1/2	MODERATE SNOW	VERTICAL VISIBILITY 500	
05 APR - 0200 to 05 APR - 0400	140 @ 18 KNOTS GUSTS 28 KNOTS	1	LIGHT SNOW LIGHT ICE PELLETS MIST	VERTICAL VISIBILITY 500	
40% PROBABILITY 05 APR - 0200 to 05 APR - 0400		3/4	LIGHT FREEZING RAIN MIST	300 OVERCAST	
05 APR - 0400 to 05 APR - 0700	140 @ 20 KNOTS GUSTS 35 KNOTS	3/4	LIGHT FREEZING RAIN MIST	300 OVERCAST	
05 APR - 0700 to 05 APR - 1100	200 @ 20 KNOTS GUSTS 30 KNOTS	1/2	LIGHT RAIN FOG	VERTICAL VISIBILITY 100	
05 APR - 1100 to 05 APR - 1200	200 @ 20 KNOTS GUSTS 30 KNOTS	3/4	LIGHT DRIZZLE MIST	300 OVERCAST	

**REMARKS**  
THE NEXT FORECAST WILL BE ISSUED BY 1800 UTC ON DAY 04

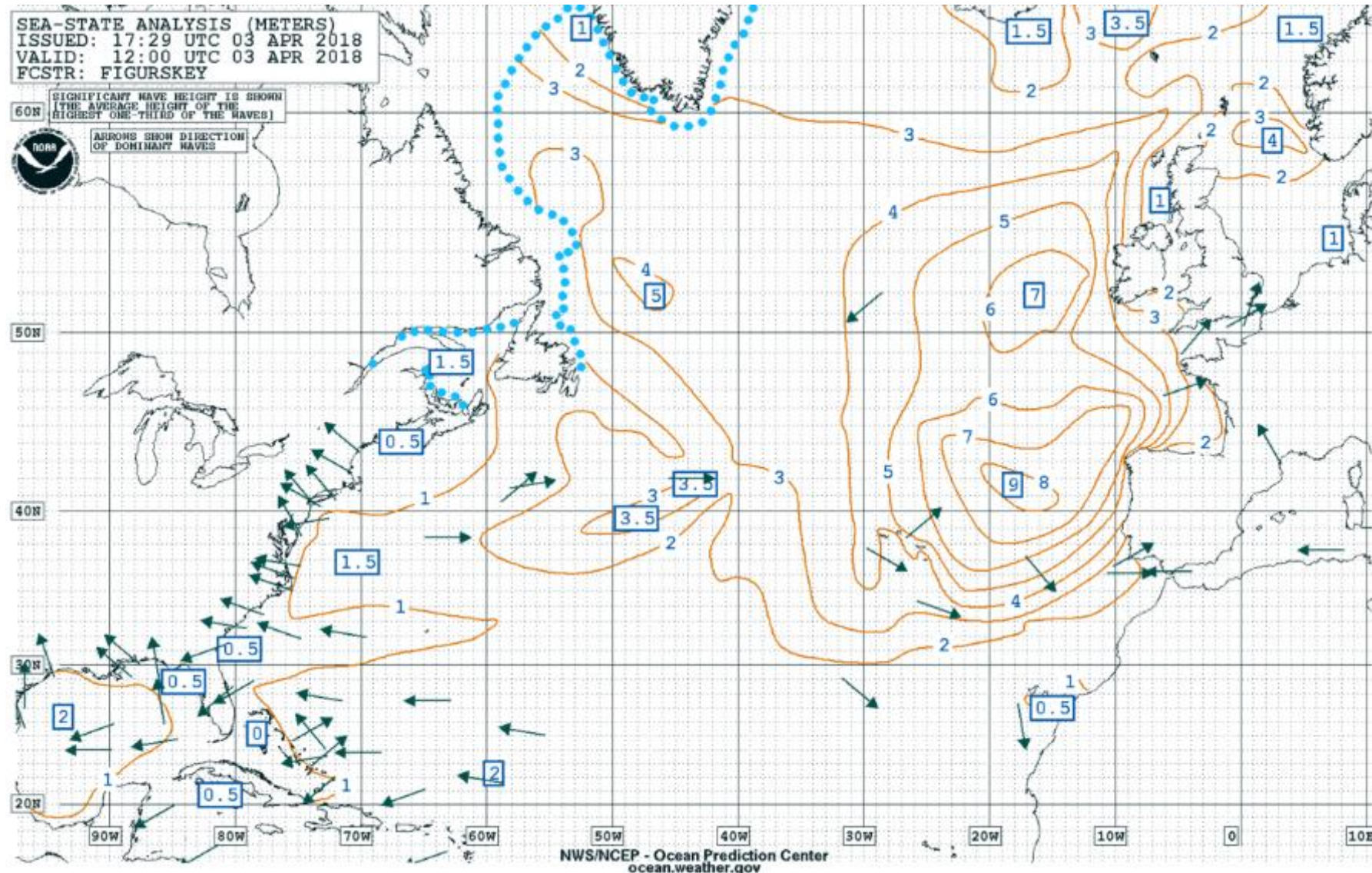


# Surface Analysis





# Sea State Analysis

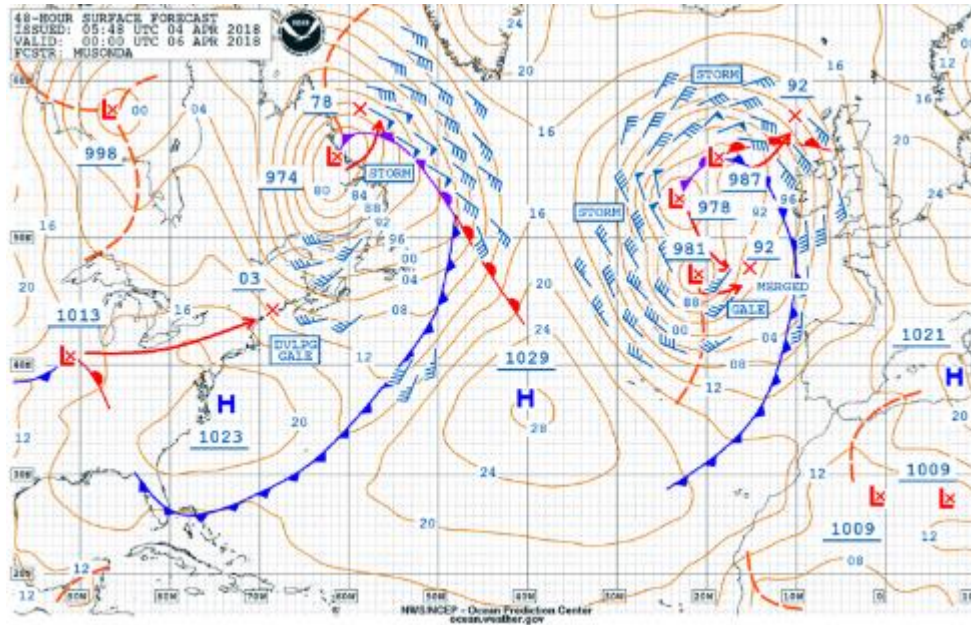


- Significant Wave Height is shown (in meters). This is the average height of the highest one-third of the waves
- Arrows show direction of dominant waves

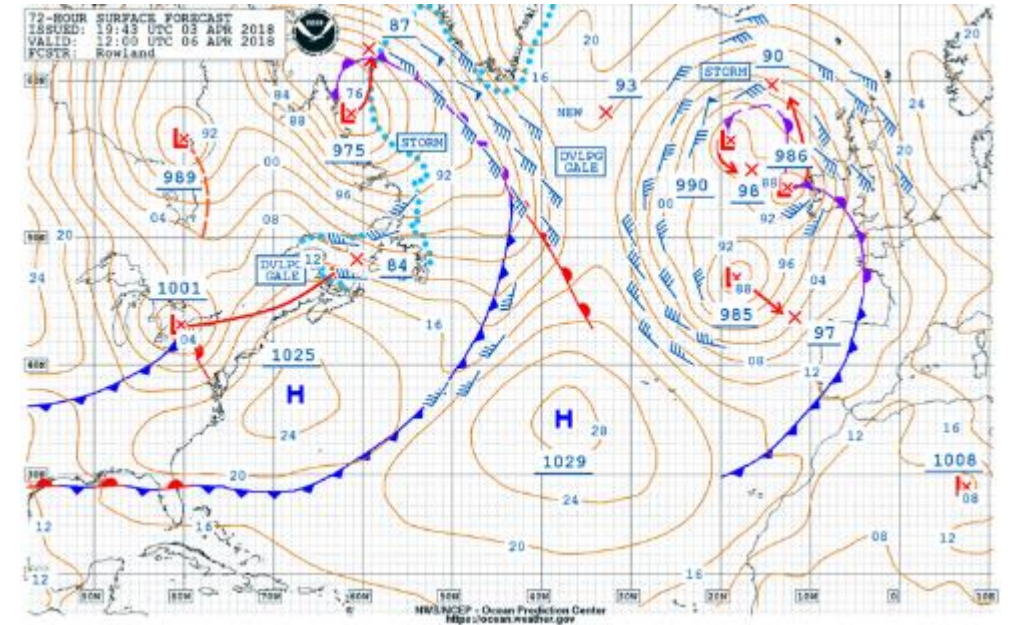


# Synoptic Forecast

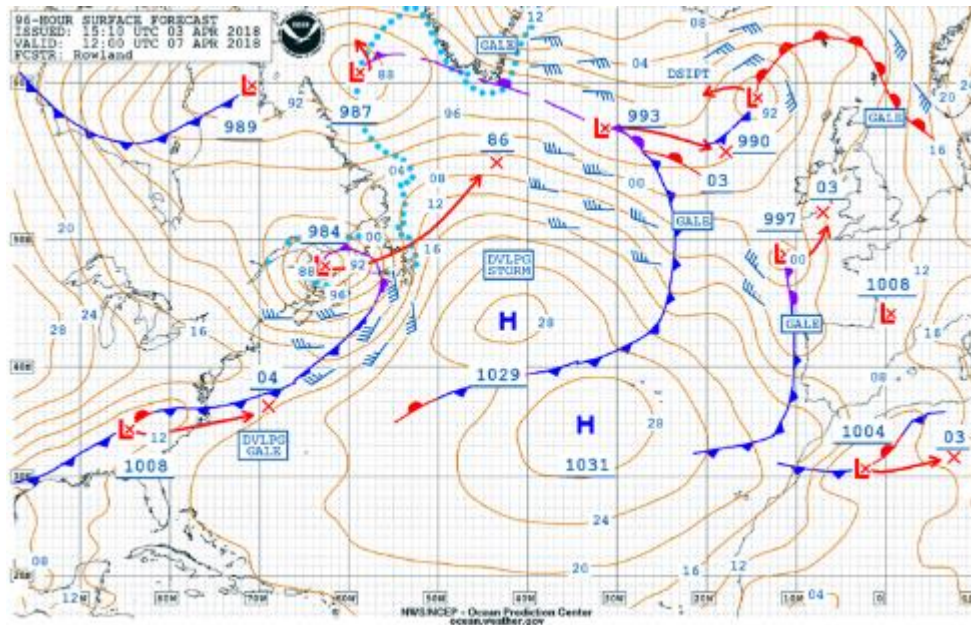
**48 hr Forecast: Thursday 9:30pm NDT/10pm Ship**



**72 hr Forecast: Friday 9:30am NDT/10am Ship**



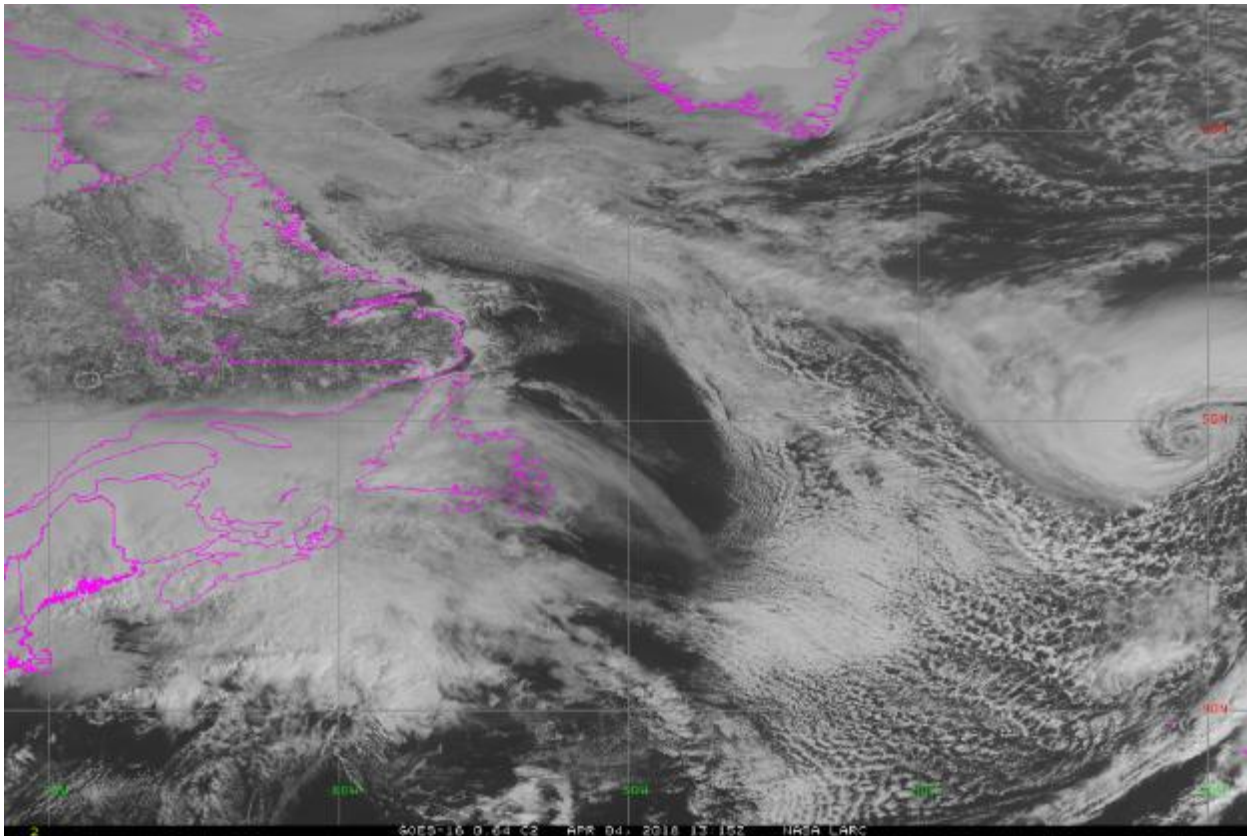
**96 hr Forecast: Saturday 9:30am NDT/10am Ship**



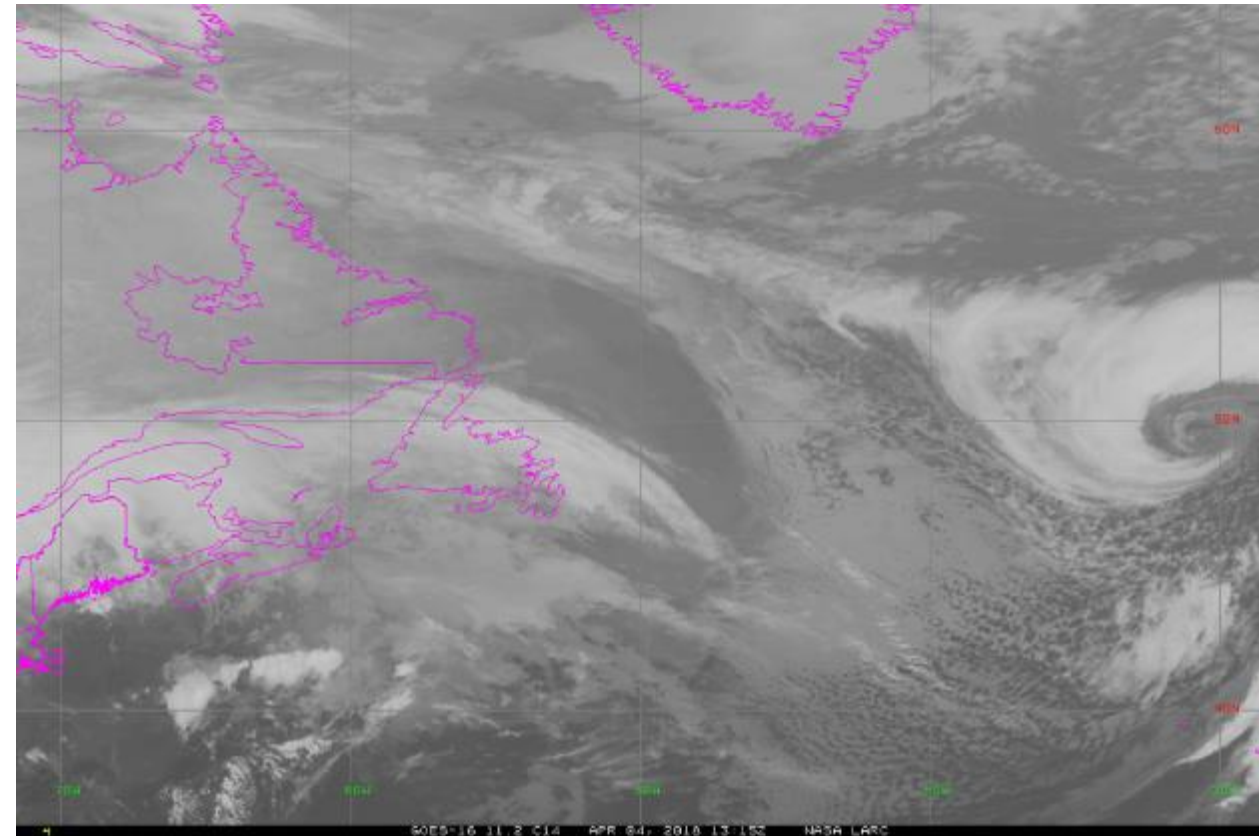


# GOES-16 Imagery (4/4 13:15 UTC)

Visible



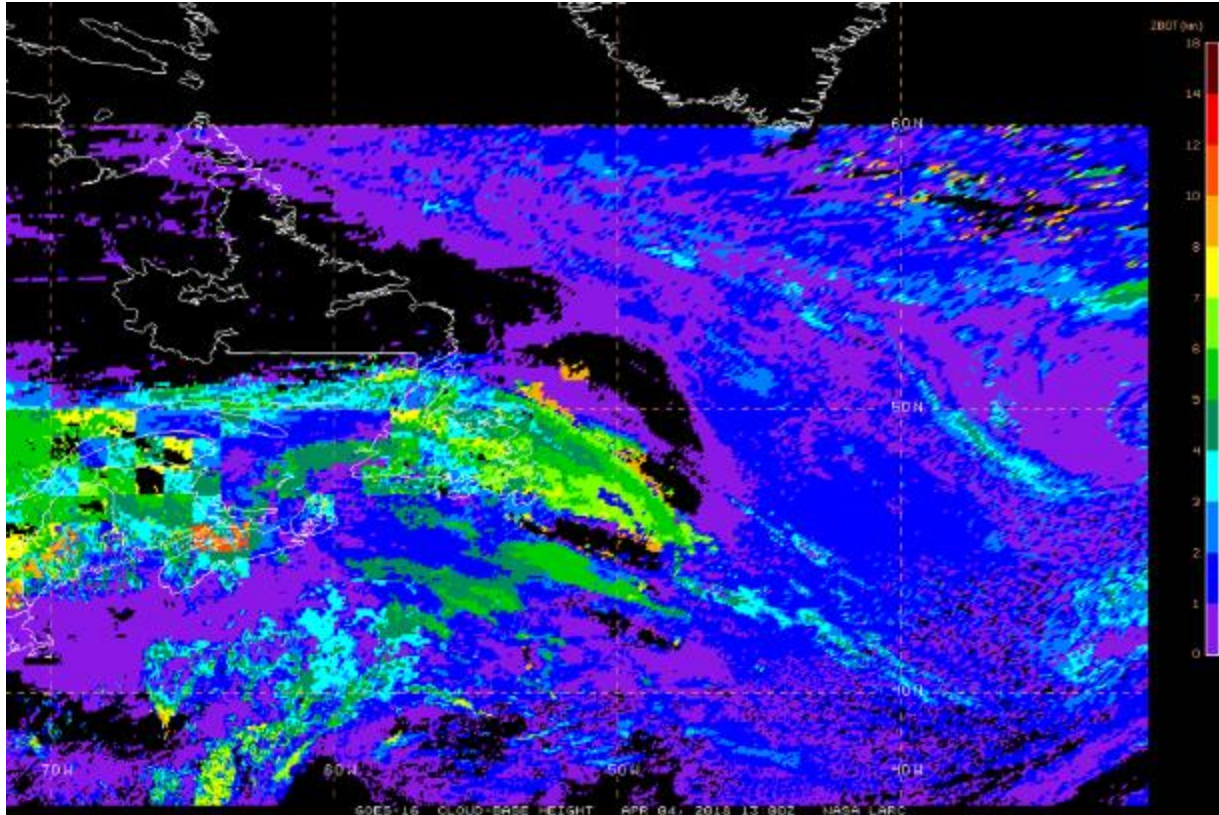
IR



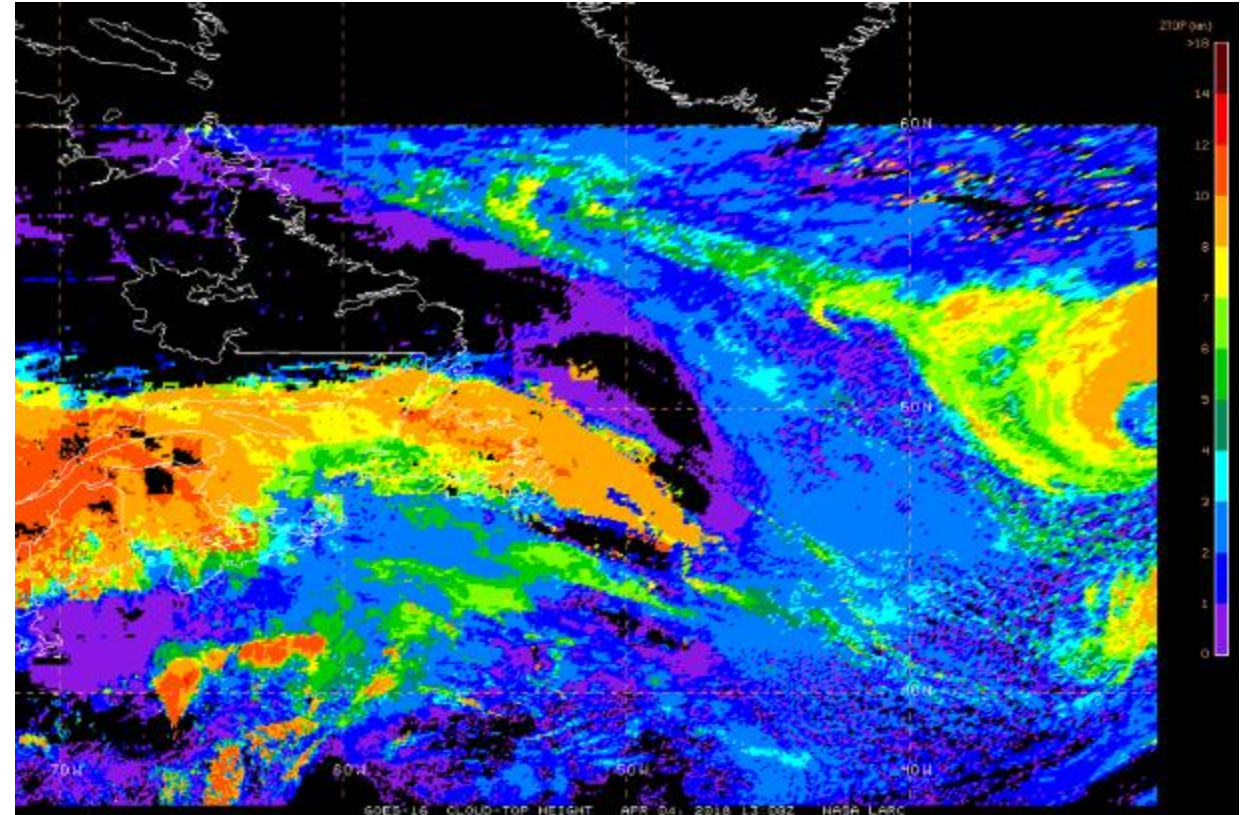


# GOES-16 Cloud Products (4/4 13:00 UTC)

Cloud Base Heights



Cloud Top Heights





# Current NAO

