

# **NAAMES WX Briefing**

**Saturday, March 31, 2018**

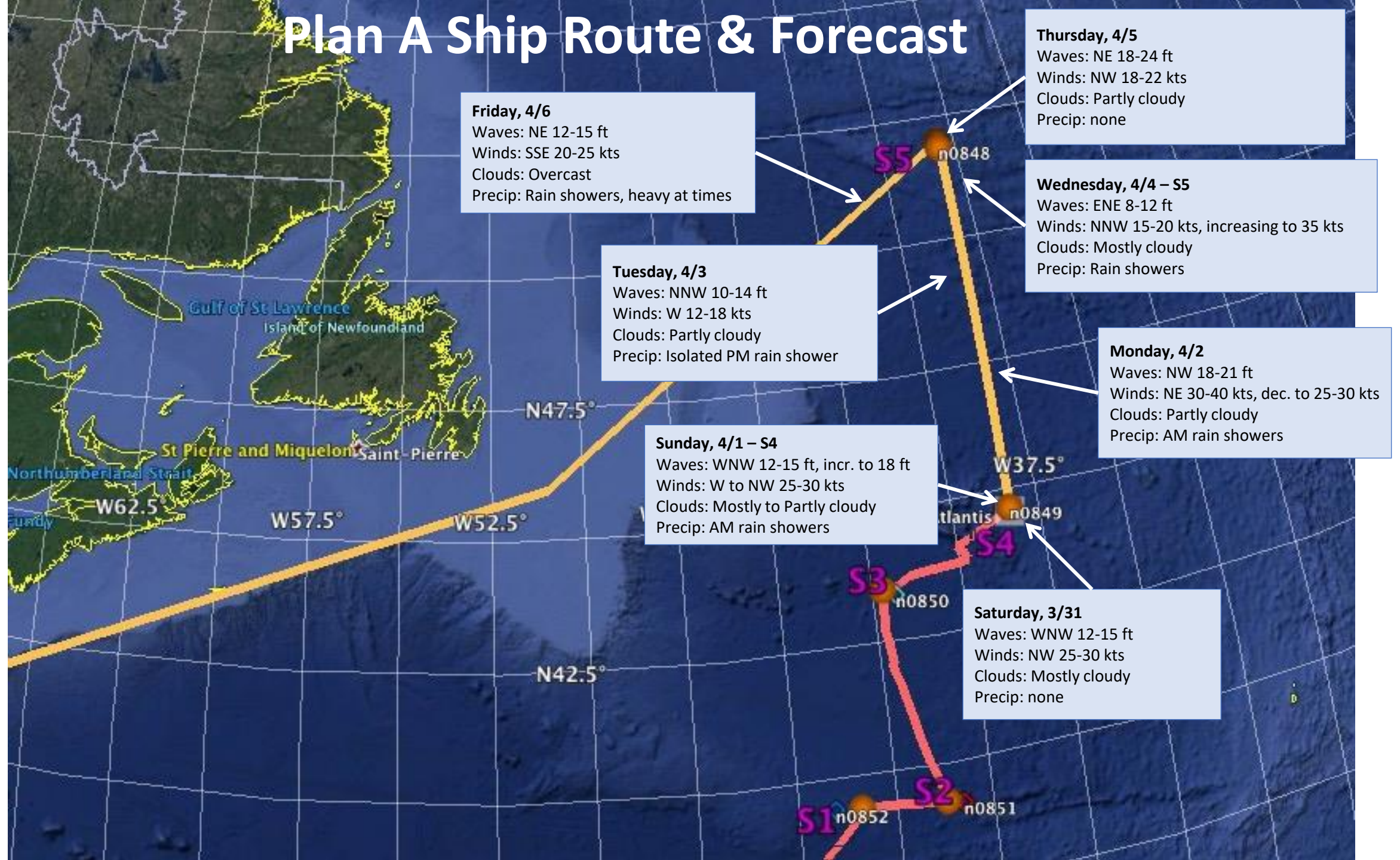
Amy Jo Scarino

# Forecast Highlights

- **Model agreement:** Models agree out until early Tuesday morning, then agrees again on Thursday/Friday
- **Next system:** GFS picks up on a system on Tuesday afternoon that is more organized/strong = higher sea state, ECMWF only has a deep trough; also watching next storm coming off East Coast that will impact the ship track on Plan A or B as they head back to WHOI. How it impacts ship will really depend on track of storm and where the ship is.
- **Ship:** If continue North to S5/S6, sea state will continue to be rough, Tuesday night into Wednesday AM there is the increase in wave heights due to the GFS storm to the south, slight good window at S5/S6, then Wednesday night storm is wrapped around S5/S6 with rough sea state overnight. If retrace back to S2 & S1, sea state is much better, only concern would be this GFS storm skirting to the North increasing winds late Tuesday into Wednesday AM.
- **St. John's:** Will warm up to 50 today after rain ends/fog lifts, will turn windy and cold for the next coming week, chance of accumulating Snow Wednesday and changing to Wintry Mix on Thursday

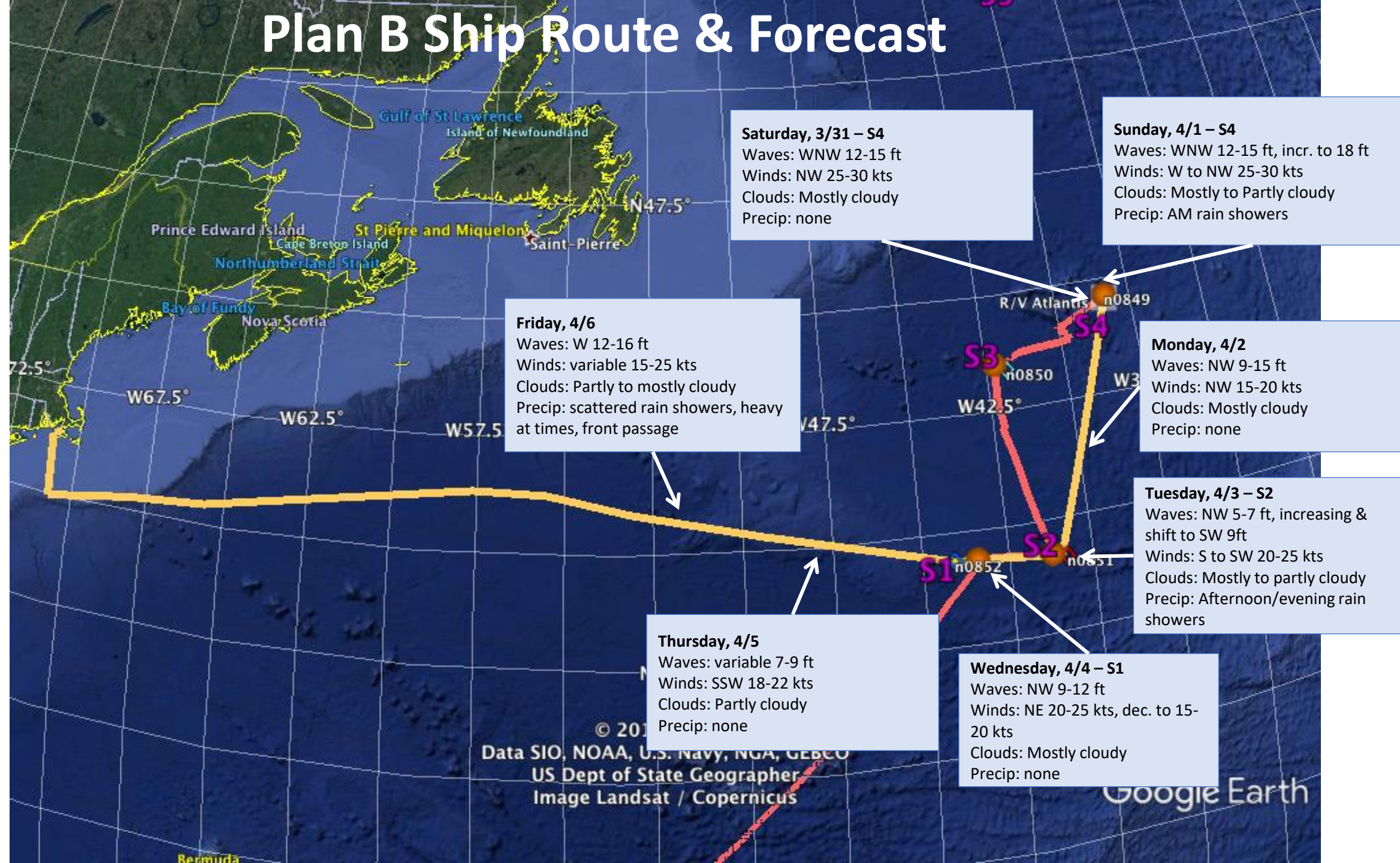
Forecast Summary – Ship Options					
Day	St. John’s	Ship – Plan A	Ship Weather – Plan A	Ship – Plan B	Ship Weather – Plan B
Day 1 Sunday 4/1	Partly cloudy & windy Morning low: 26; High: 39 Winds: W 25-30 mph	At S4	Waves: WNW 12-15 ft, incr. to 18 ft Winds: W to NW 25-30 kts Clouds: Mostly to Partly cloudy Precip: AM rain showers	At S4	Waves: WNW 12-15 ft, incr. to 18 ft Winds: W to NW 25-30 kts Clouds: Mostly to Partly cloudy Precip: AM rain showers
Day 2 Monday 4/2	Partly cloudy & windy Morning low: 33; High: 39 Winds: WSW 20-25 mph	Transit to S5	Waves: NW 18-21 ft Winds: NE 30-40 kts, dec. to 25-30 kts Clouds: Partly cloudy Precip: AM rain showers	Transit to S2	Waves: NW 9-15 ft Winds: NW 15-20 kts Clouds: Mostly cloudy Precip: none
Day 3 Tuesday 4/3	Partly cloudy Morning low: 24; High: 32 Winds: WNW 12-15 mph	Transit to S5	Waves: NNW 10-14 ft Winds: W 12-18 kts Clouds: Partly cloudy Precip: Isolated PM rain shower	At S2	Waves: NW 5-7 ft, increasing & shift to SW 9ft Winds: S to SW 20-25 kts Clouds: Mostly to partly cloudy Precip: Afternoon/evening rain showers
Day 4 Wednesday 4/4	Afternoon/evening snow showers Morning low: 22; High: 34 Winds: W 12-15 mph	At S5	Waves: ENE 8-12 ft Winds: NNW 15-20 kts, increasing to 35 kts Clouds: Mostly cloudy Precip: Rain showers	At S1	Waves: NW 9-12 ft Winds: NE 20-25 kts, dec. to 15-20 kts Clouds: Mostly cloudy Precip: none
Day 5 Thursday 4/5	Wintry Mix & windy Morning low: 27; High: 41 Winds: SSE 18-22 mph	At S6	Waves: NE 18-24 ft Winds: NW 18-22 kts Clouds: Partly cloudy Precip: none	Transit to WHOI	Waves: variable 7-9 ft Winds: SSW 18-22 kts Clouds: Partly cloudy Precip: none
Day 6 Friday 4/6	AM Wintry Mix & windy Morning low: 32; High: 35 Winds: WSW 20-25 mph	Transit to WHOI	Waves: NE 12-15 ft Winds: SSE 20-25 kts Clouds: Overcast Precip: Rain showers, heavy at times	Transit to WHOI	Waves: W 12-16 ft Winds: variable 15-25 kts Clouds: Partly to mostly cloudy Precip: scattered rain showers, heavy at times,

# Plan A Ship Route & Forecast

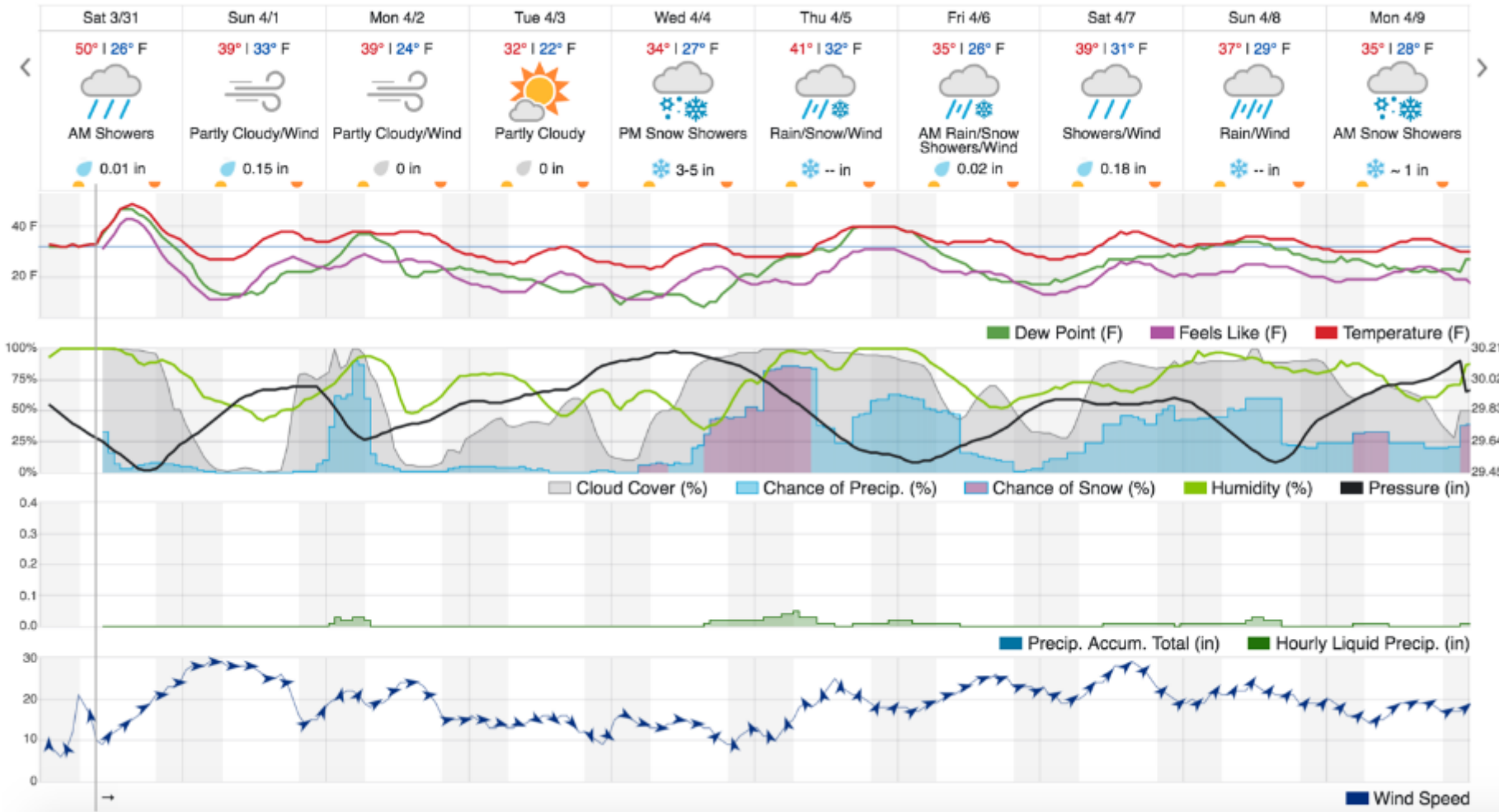




# Plan B Ship Route & Forecast

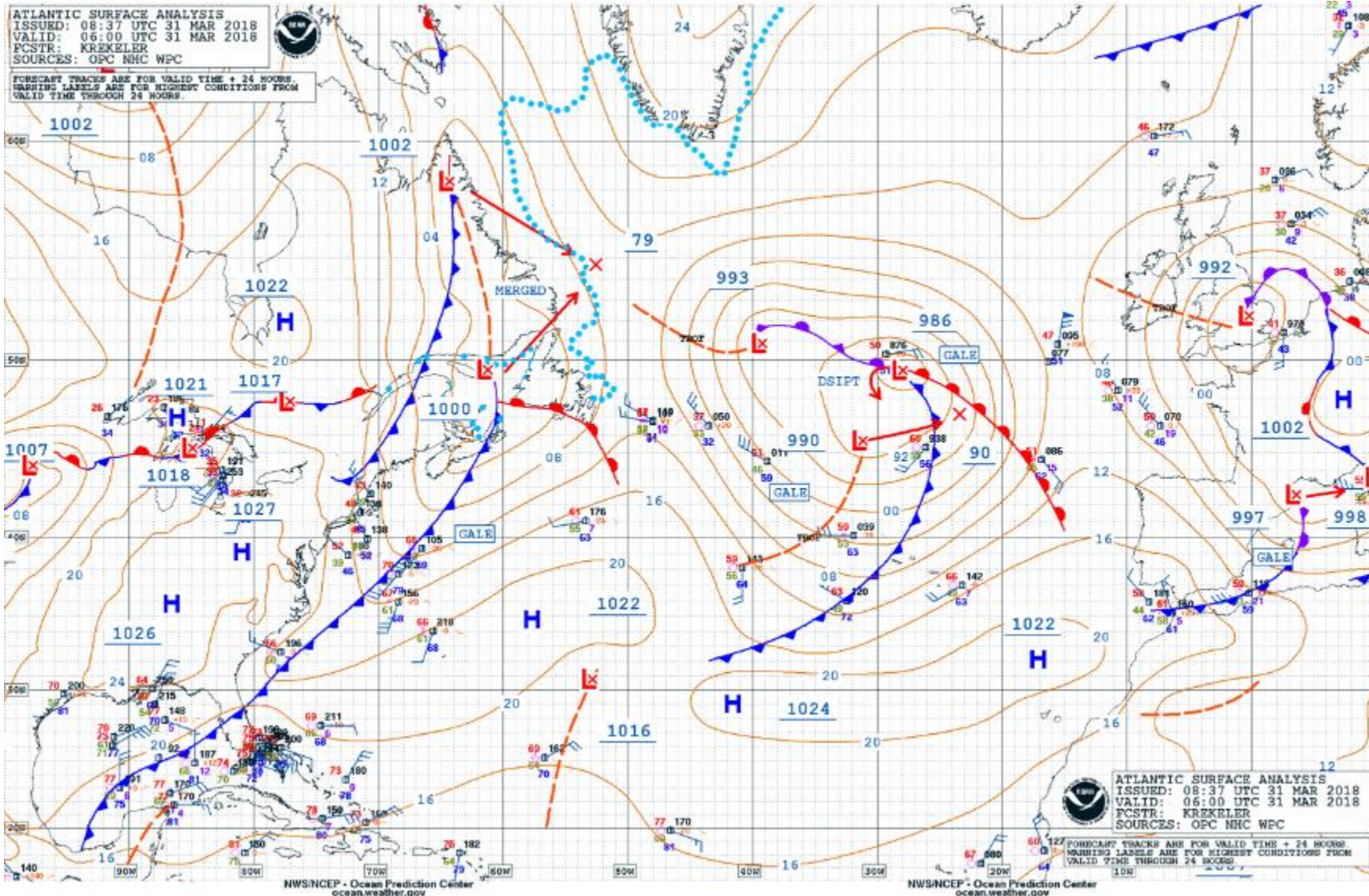


# St. John's - Current & Forecast



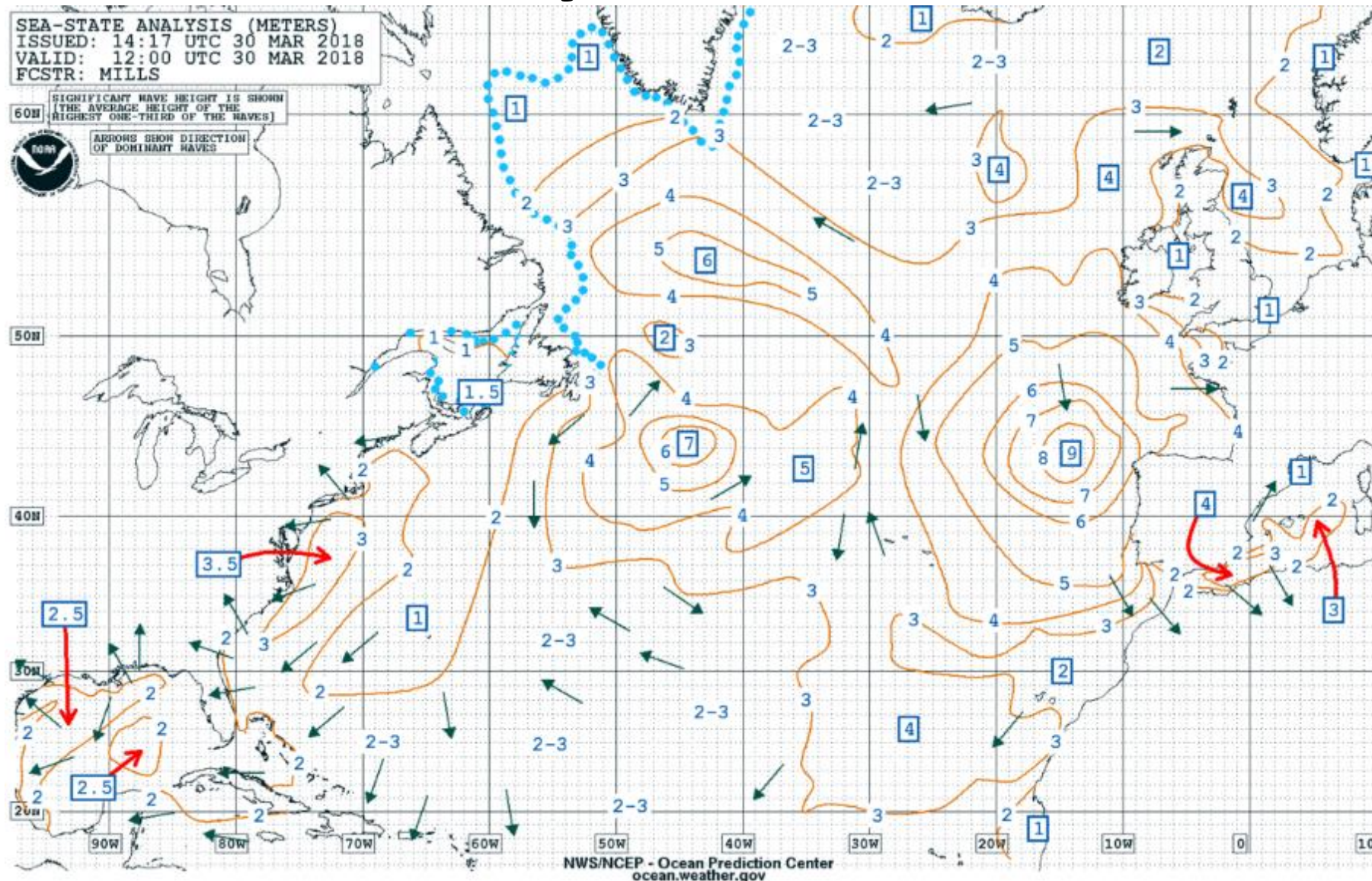


# Surface Analysis





# Sea State Analysis

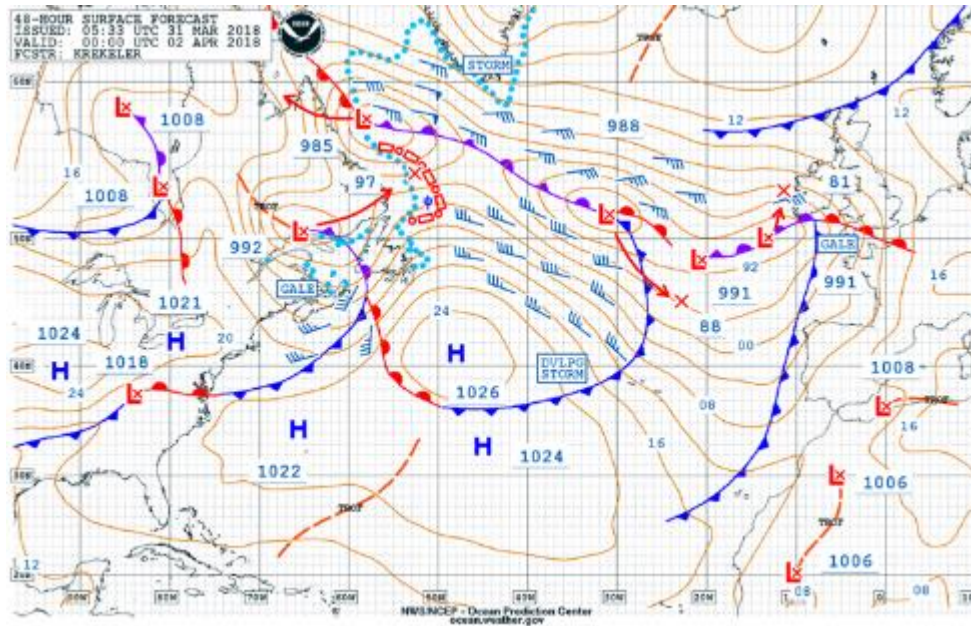


- Significant Wave Height is shown (in meters). This is the average height of the highest one-third of the waves
- Arrows show direction of dominant waves

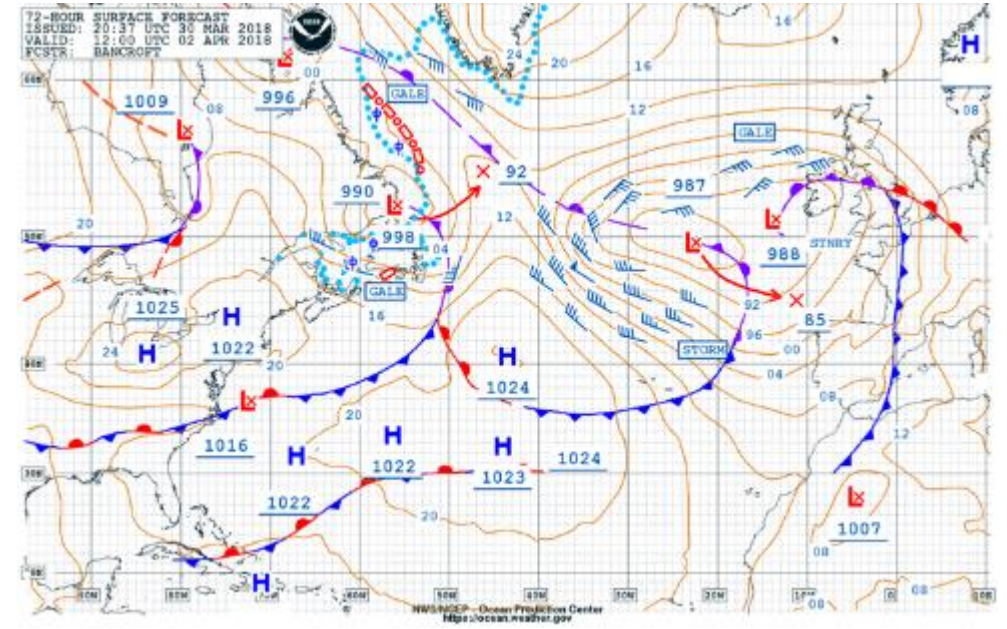


# Synoptic Forecast

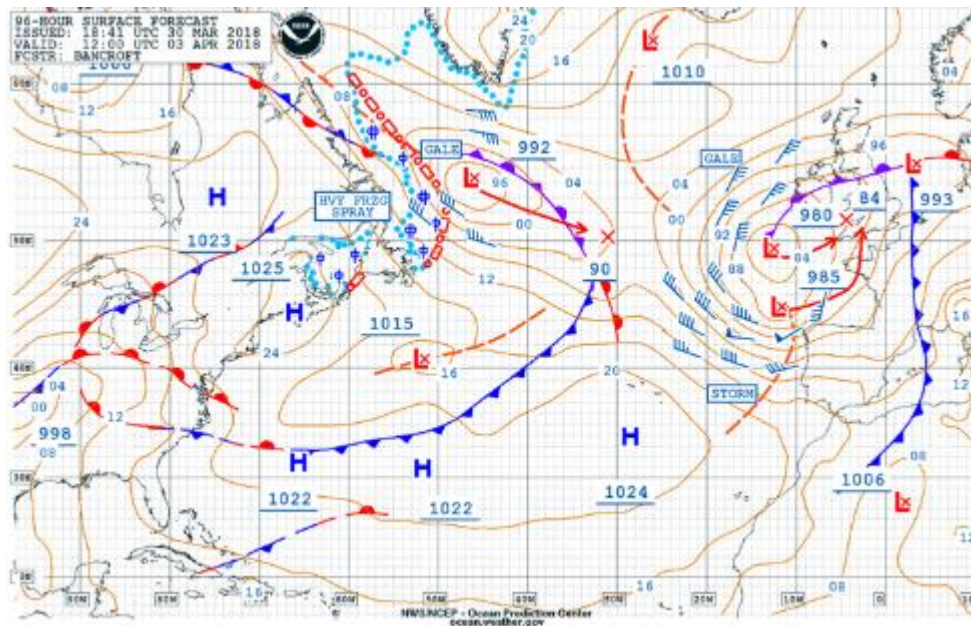
**48 hr Forecast: Sunday 9:30pm NDT/10pm Ship**



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



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

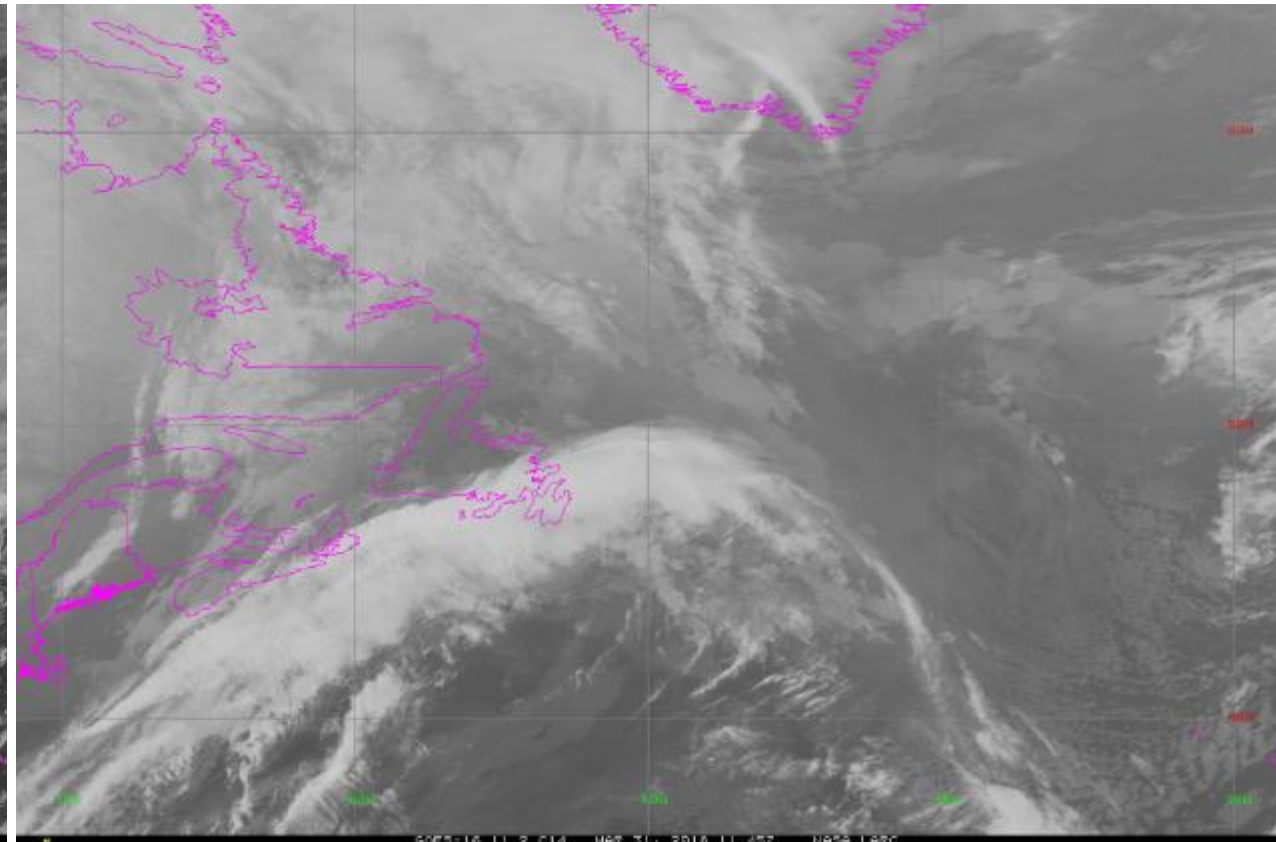
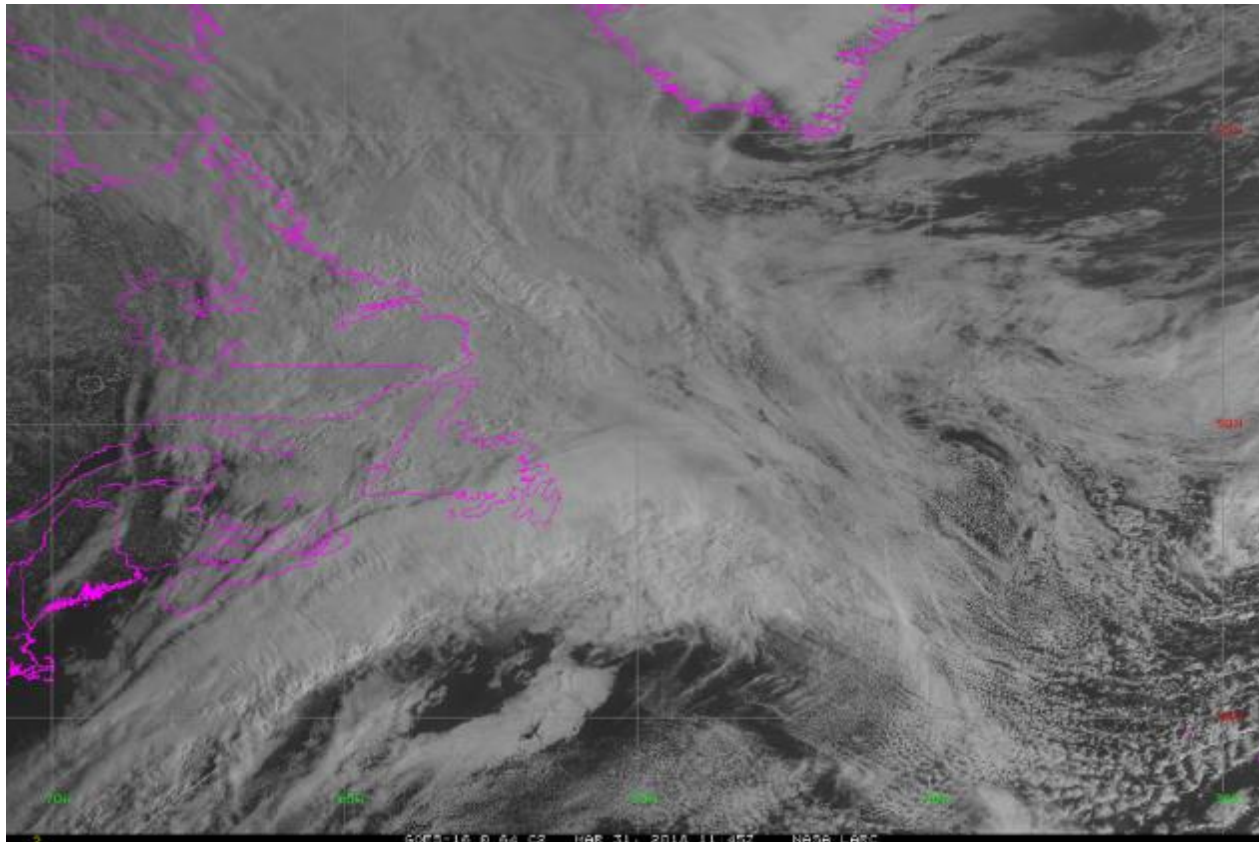




# GOES-16 Imagery (3/31 11:45 UTC)

Visible

IR

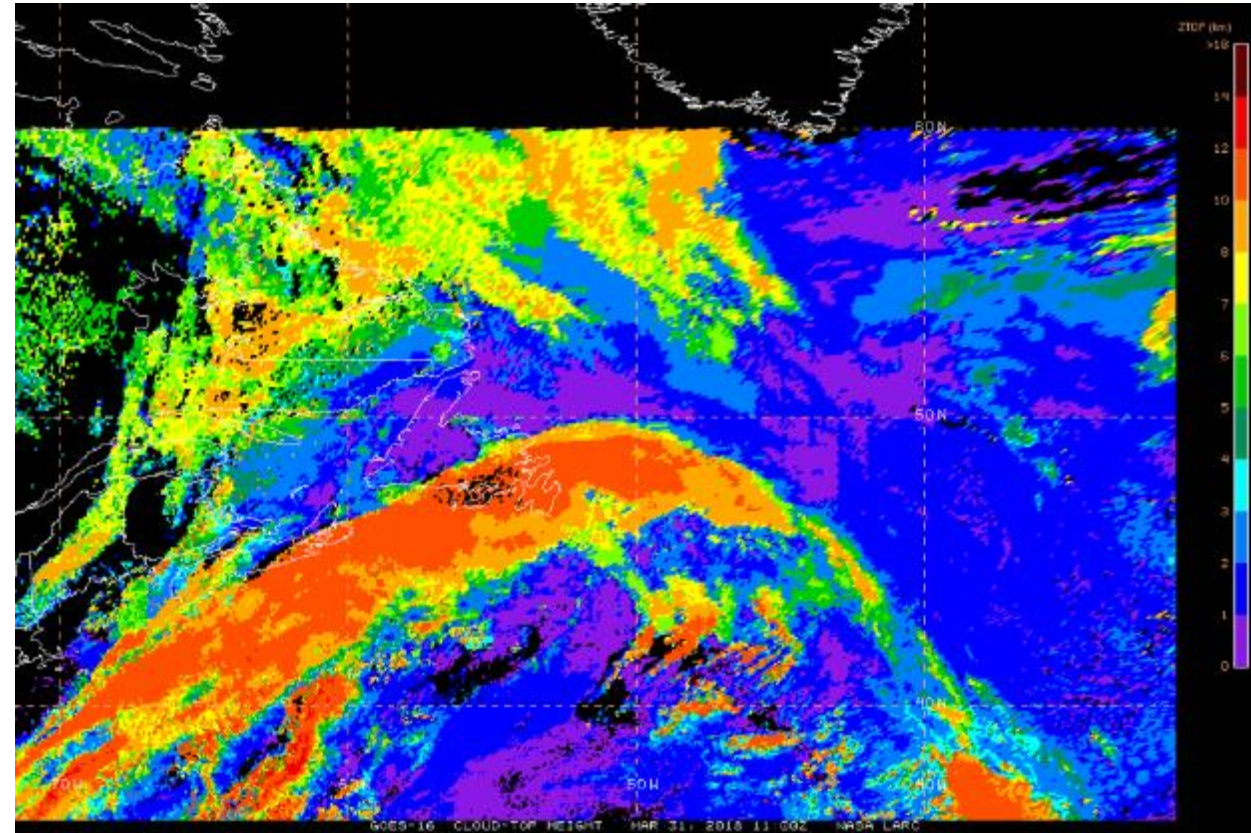
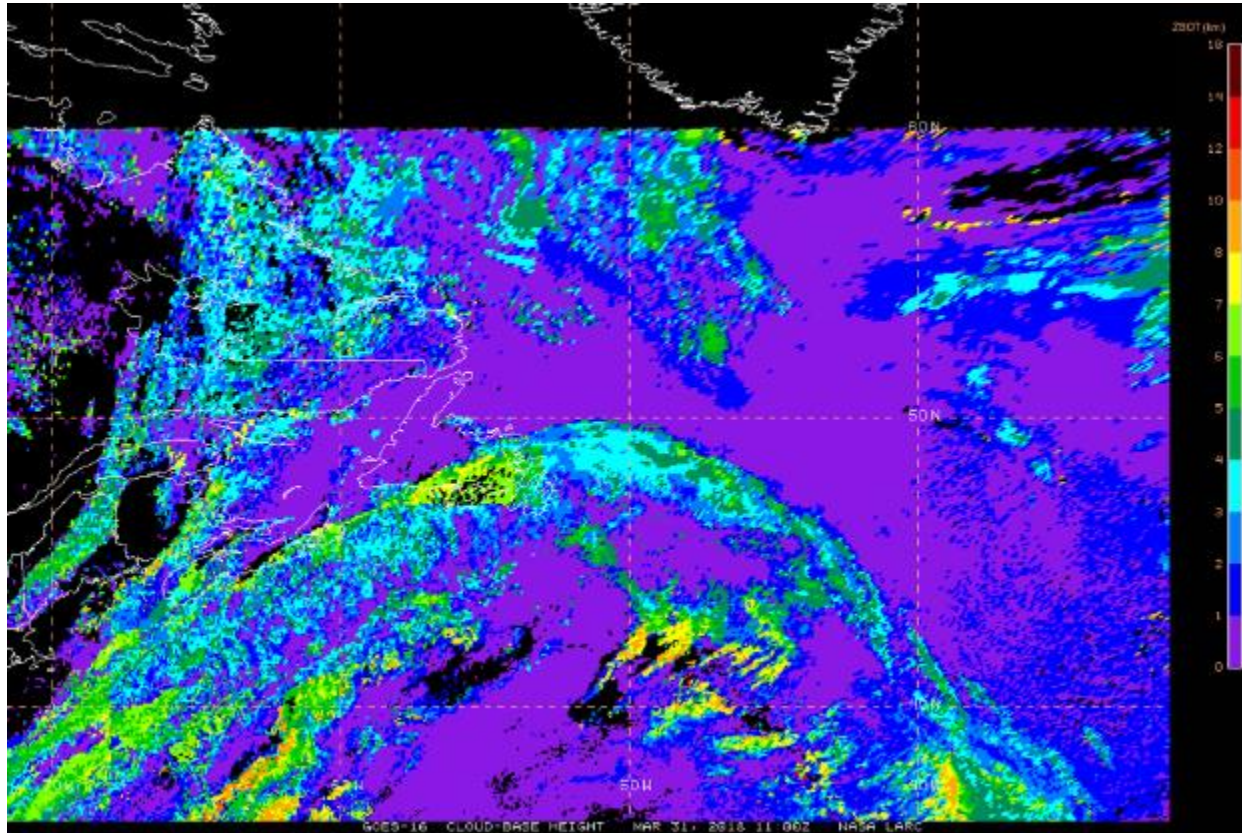




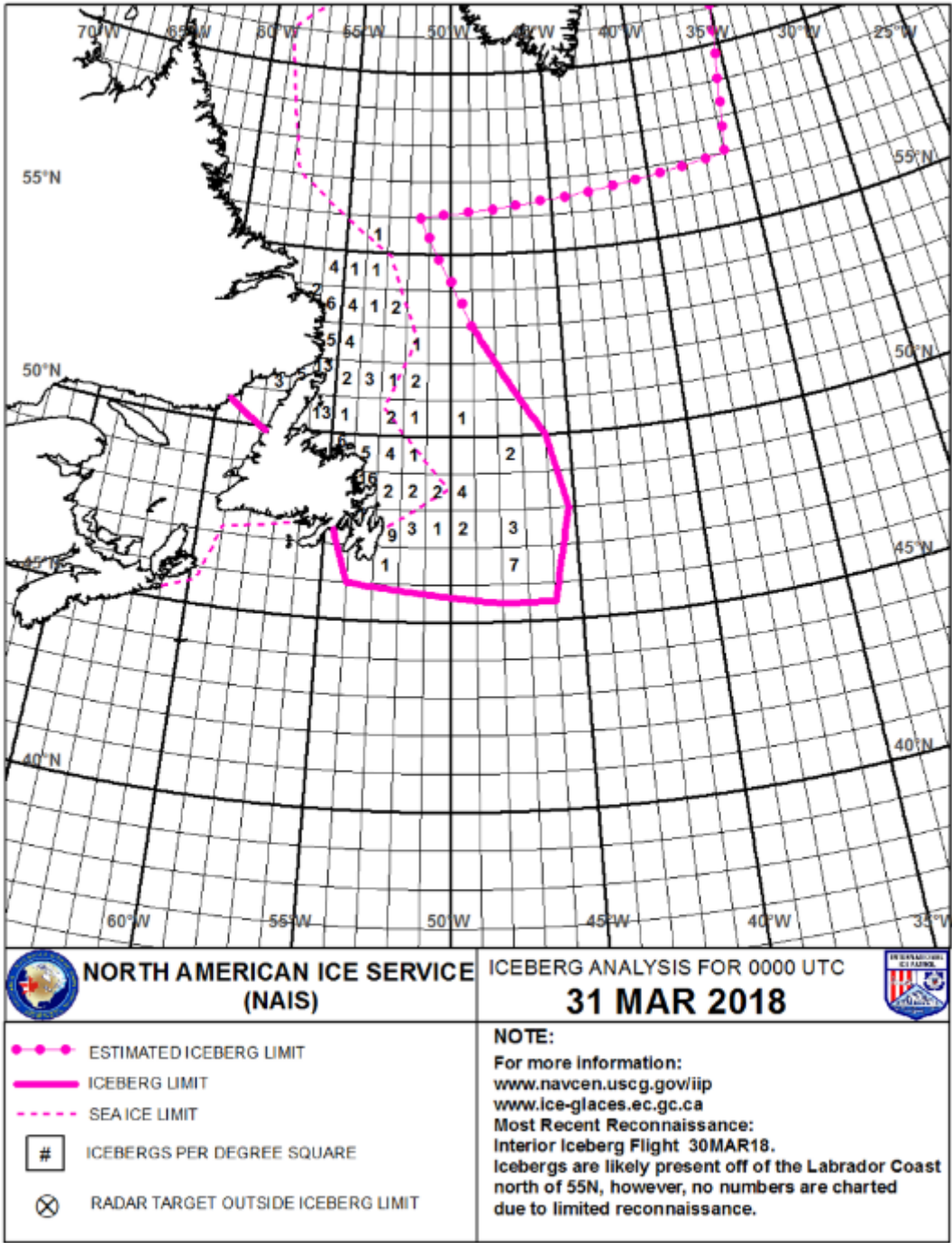
# GOES-16 Cloud Products (3/31 11:00 UTC)

Cloud Base Heights

Cloud Top Heights

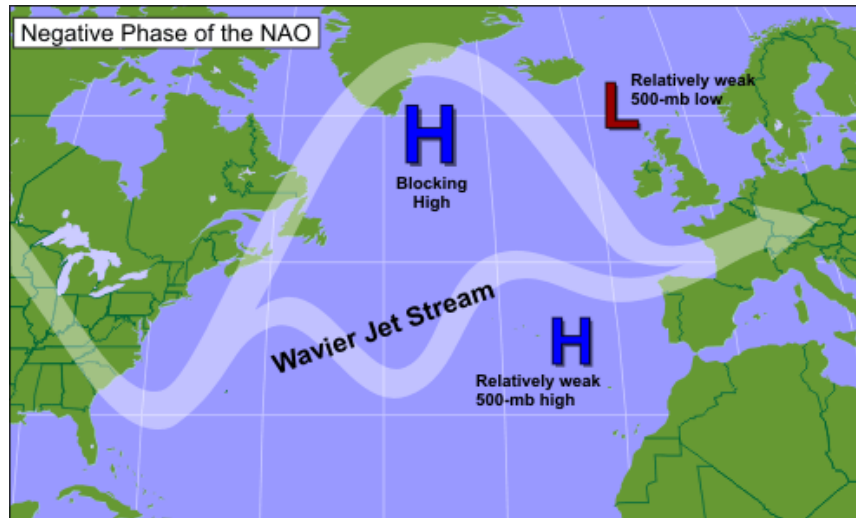
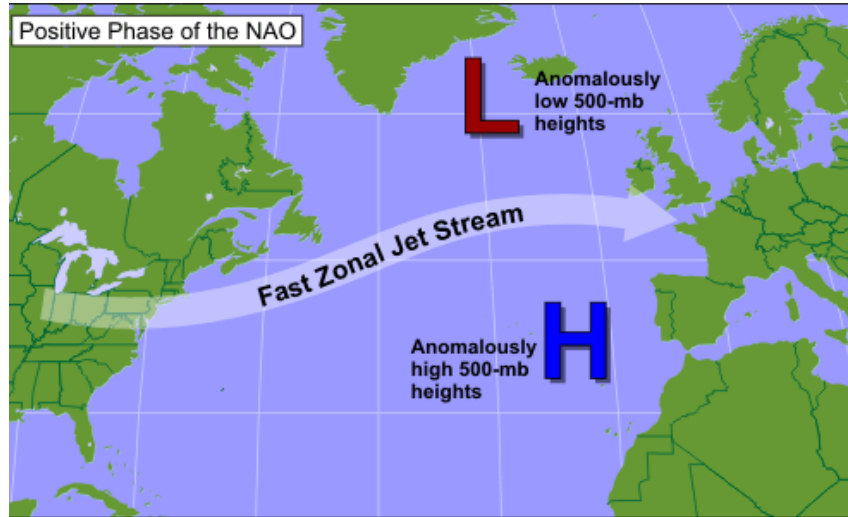


# Sea Ice and Icebergs





# Current NAO



## NAO: Observed & ENSM forecasts

