

# **NAAMES WX Briefing**

**Sunday, March 25, 2018**

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# Forecast Highlights

- Atlantis will experience last day of rougher sea state, improves Monday, but could see high winds on Tuesday
- St. John's still experiencing some light snow flurries and very windy with gusts to 45 mph. Monday will see improvement with lower winds, no precip, but still cold.
- Visibility and ceiling could be an issue with Wednesday landing and all day Thursday
- Models currently agree until about Friday, they disagree on location/strength of next storm for next weekend

# Forecast Summary

## **Day 1 (Monday) – March 26 – Ship in transit – CALIPSO track over S1/S2**

**Recommendation: Science flight to region of S1/S2 and along CALIPSO track**

St. John's: Morning clouds, clearing by late afternoon, no precip, high 28, low 21, winds NNW 9-15 mph

## **Day 2 (Tuesday) – March 27 – S1**

**Recommendation: Science flight to ship at S1, however, clouds at all levels**

St. John's: Mostly sunny, no precip, high 41, low 26, winds variable 5-8 mph

## **Day 3 (Wednesday) – March 28– S2 – CALIPSO track**

**Recommendation: while it is a ship station, conditions at St. John's could be dicey**

St. John's: Overcast, rain/freezing rain/fog and windy, high 34, low 33, winds E near 20 mph

## **Day 4 (Thursday) – March 29– Ship in transit to S3**

**Recommendation: St. John's could be dicey with fog and rain**

St. John's: Overcast and rain, high 42, low 32, winds SSE 8-12 mph

## **Day 5 (Friday) – March 30 – Ship at S3 - CALIPSO track out by S4**

**Recommendation: Science flight to ship at S3, clouds at ship will be primarily low and high**

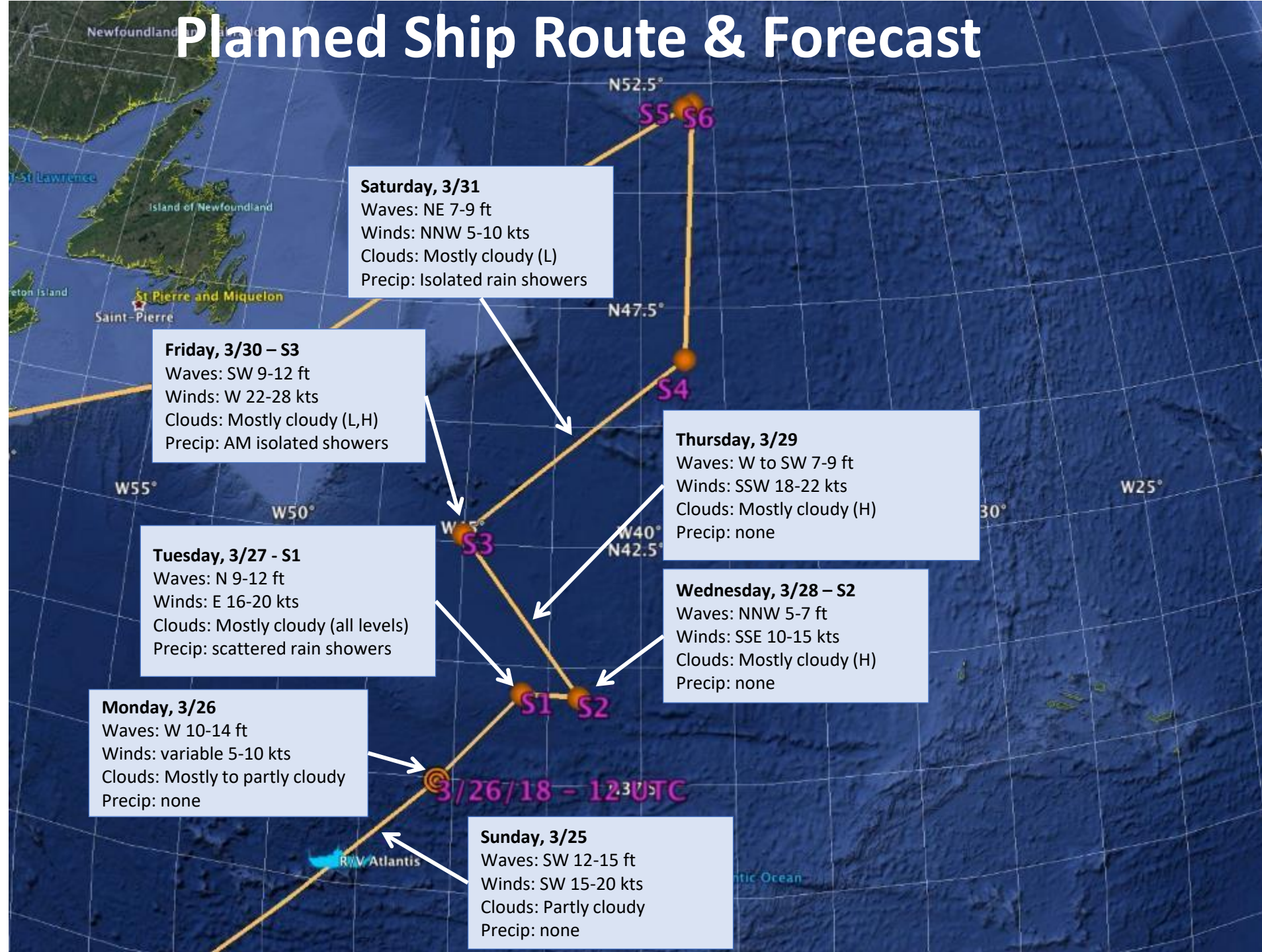
St. John's: Partly cloudy, lingering AM rain showers, high 42, low 32, winds w 15-18 mph

## **Day 6 (Saturday) – March 31 – Ship in transit to S4 – AM CALIPSO over S3 , could fly if AM/PM have clear skies**

**Recommendation: Keep an eye on this day with timing of next storm system**

St. John's: Increasing clouds with chance of rain showers, high 38, low 34, winds WSW 10-12 mph

# Planned Ship Route & Forecast





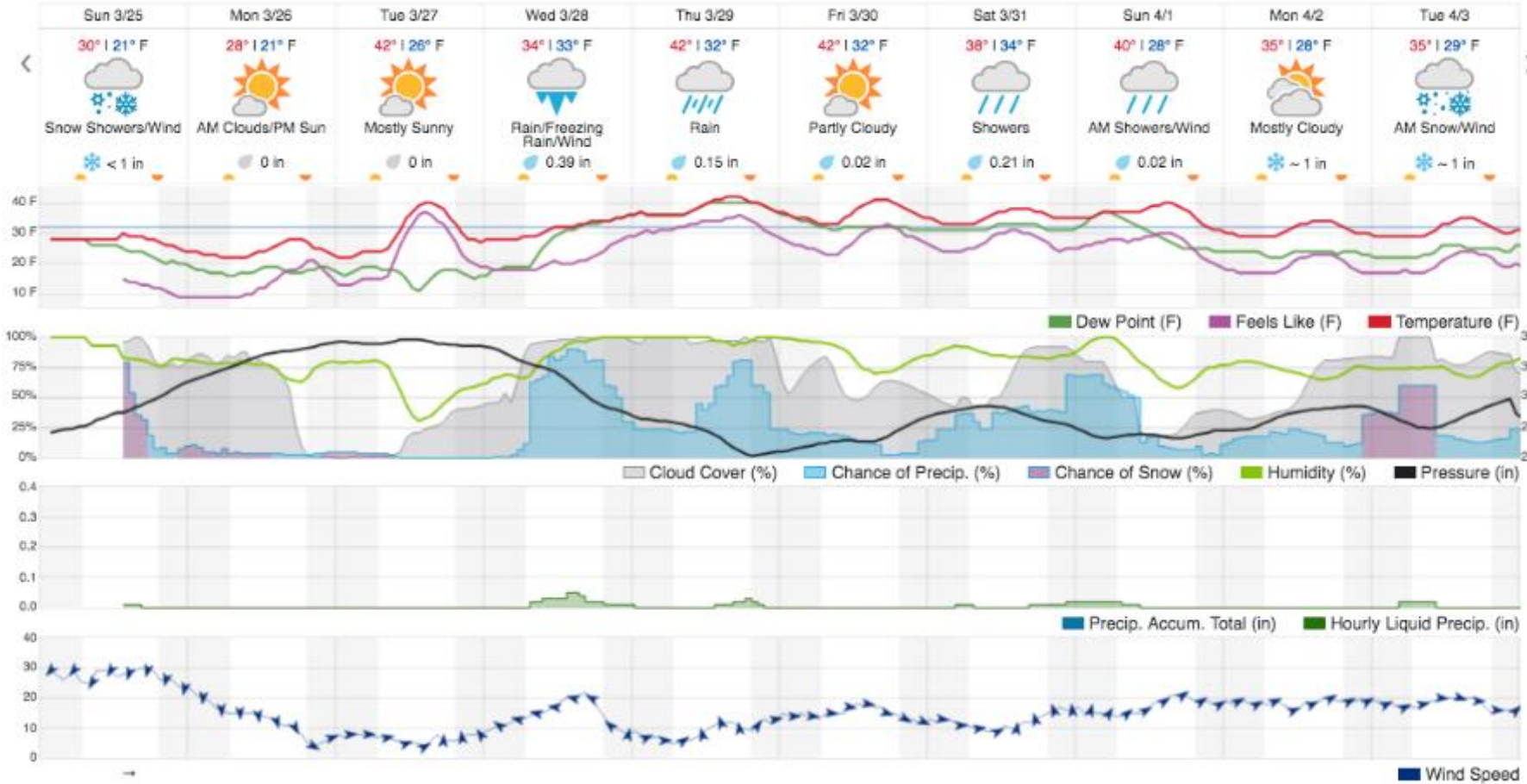
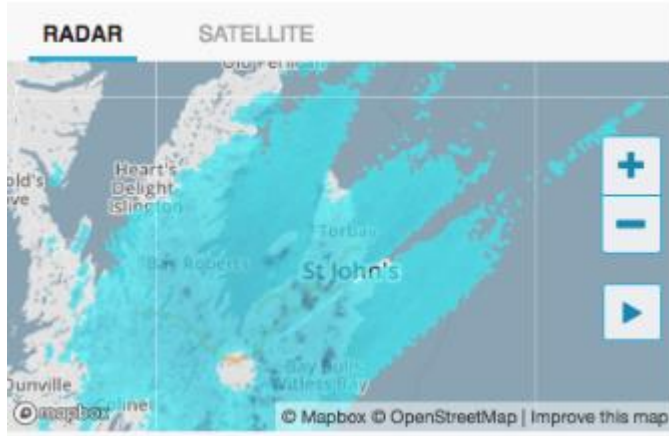
# St. John's - Current & Forecast

© 1:06 PM NDT on March 25, 2018 (GMT -0230) | Updated 37 minutes ago



Wind NNE  
Gusts 41 mph

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



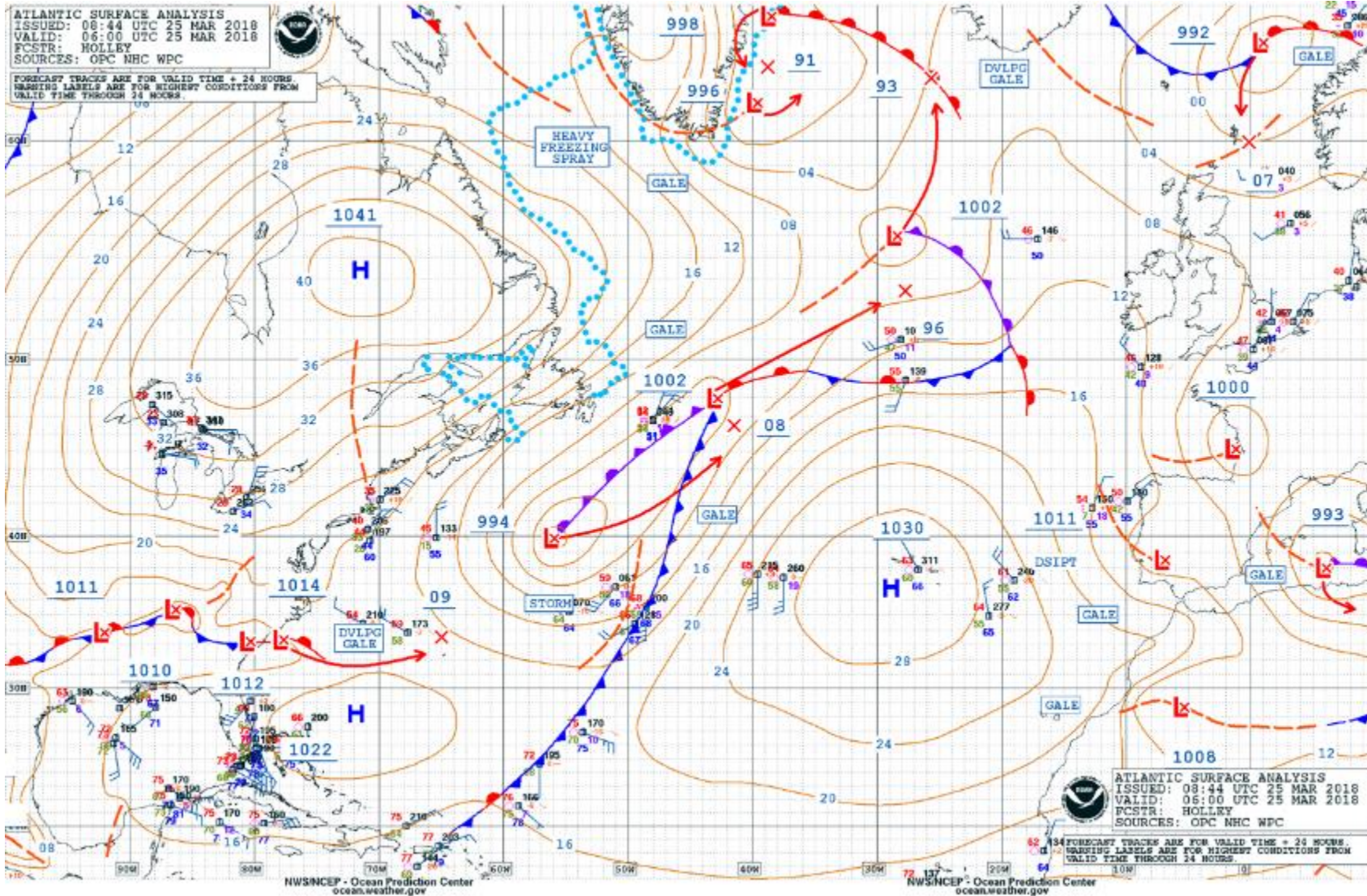
# St. John's - METAR & TAF

METAR CYYT 251500Z 03023G39KT 12SM -SN OVC015 M02/M04 A3003 RMK SF8 SLP178=		
<b>METAR</b>	<b>LOCATION</b> CYYT - ST. JOHN'S INTL/NL	<b>DATE - TIME</b> 25 MARCH 2018 - 1500 UTC
<b>WIND</b> 30 TRUE @ 23 KNOTS <b>GUSTS</b> 39 KNOTS	<b>VISIBILITY</b> 12 STAT. MILES	<b>RUNWAY VISUAL RANGE</b>
<b>WEATHER</b> LIGHT SNOW	<b>CLOUDINESS</b> OVERCAST 1500 FT	<b>TEMP / DEWPOINT</b> -2 C / -4 C
<b>ALTIMETER</b> 30.03 IN HG	<b>RECENT WEATHER</b>	<b>WIND SHEAR</b>

TAF CYYT 251138Z 2512/2612 03022G35KT 6SM -SN OVC012 TEMPO 2512/2514 11/2SM -SN BR OVC006 FM251400 02030G45KT 21/2SM -SN BLSN BKN015 TEMPO 2514/2524 6SM -SN FM260000 01025G35KT P6SM OVC010 TEMPO 2600/2606 OVC008 FM260600 35015G25KT P6SM -SN BKN010 RMK NXT FCST BY 251800Z=				
<b>TAF</b>		<b>LOCATION</b> CYYT - ST. JOHN'S INTL/NL		<b>VALIDITY [UTC]</b> 25 MAR - 1138 to 26 MAR - 1200
<b>TIMES</b> [UTC]	<b>WIND</b> [DEGREES TRUE]	<b>VISIBILITY</b> [STAT. MILES]	<b>WEATHER</b>	<b>CLOUDINESS</b> [FEET AGL]
<b>25 MAR - 1200 to 25 MAR - 1400</b>	30 @ 22 KNOTS GUSTS 35 KNOTS	6	LIGHT SNOW	1200 OVERCAST
TEMPORARY CHANGES 25 MAR - 1200 to 25 MAR - 1400		1 1/2	LIGHT SNOW MIST	600 OVERCAST
<b>25 MAR - 1400 to 26 MAR - 0000</b>	20 @ 30 KNOTS GUSTS 45 KNOTS	2 1/2	LIGHT SNOW MODERATE BLOWING SNOW	1500 BROKEN
TEMPORARY CHANGES 25 MAR - 1400 to 26 MAR - 0000		6	LIGHT SNOW	
<b>26 MAR - 0000 to 26 MAR - 0600</b>	10 @ 25 KNOTS GUSTS 35 KNOTS	6+	NIL	1000 OVERCAST
TEMPORARY CHANGES 26 MAR - 0000 to 26 MAR - 0600				800 OVERCAST
<b>26 MAR - 0600 to 26 MAR - 1200</b>	350 @ 15 KNOTS GUSTS 25 KNOTS	6+	LIGHT SNOW	1000 BROKEN
<b>REMARKS</b>				
THE NEXT FORECAST WILL BE ISSUED BY 1800 UTC ON DAY 25				

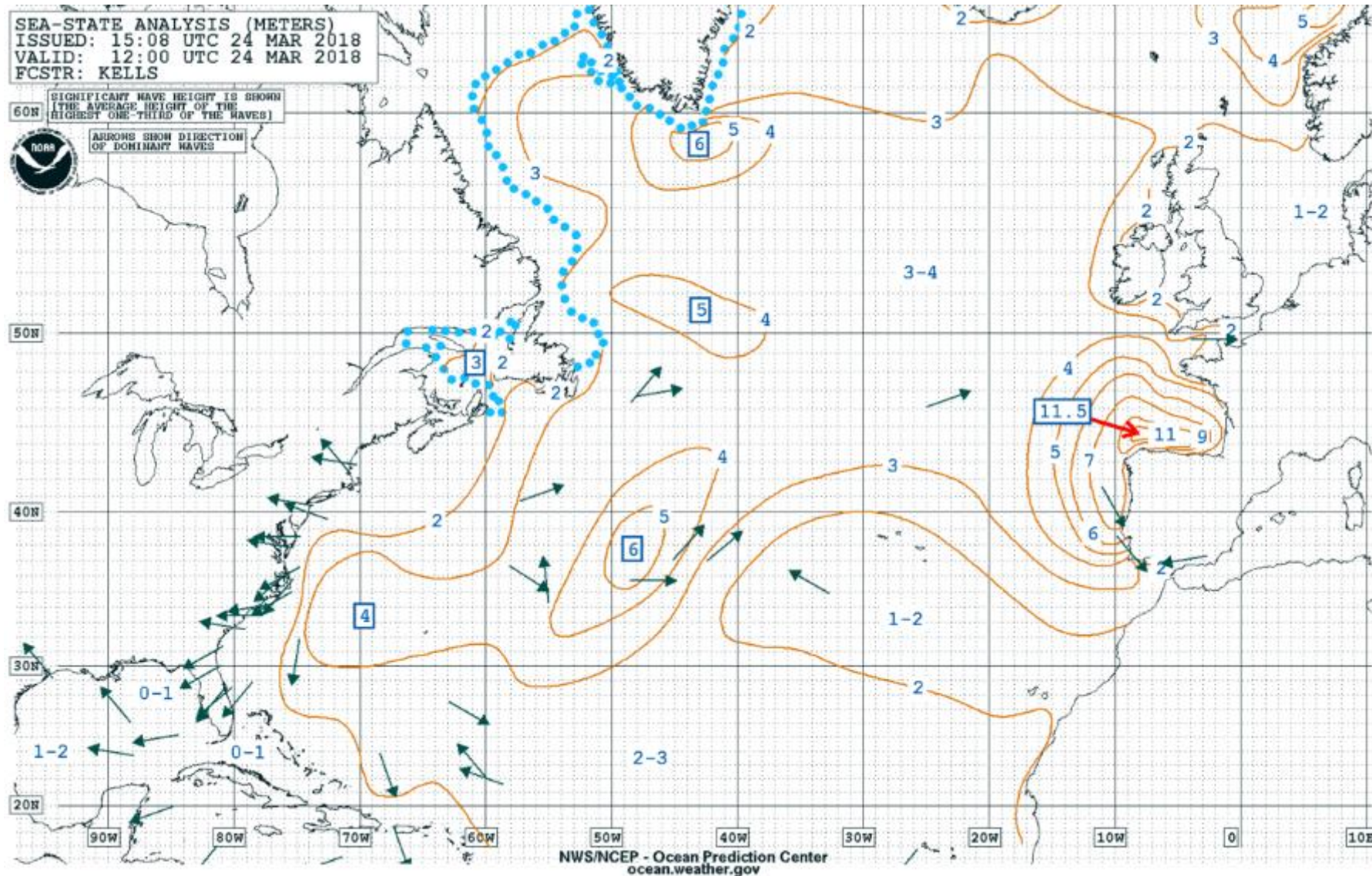


# Surface Analysis





# Sea State Analysis

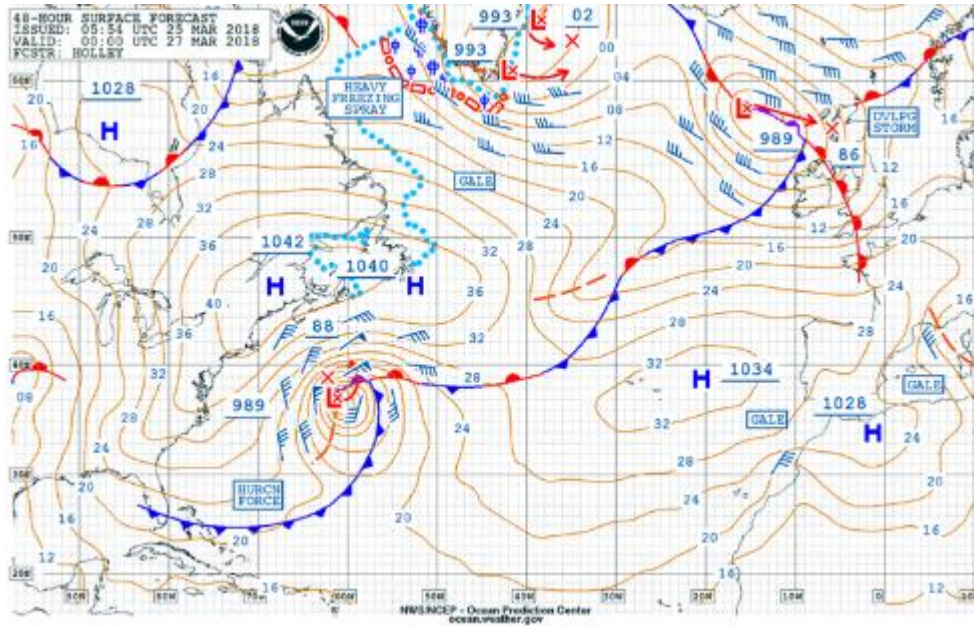


- Significant Wave Height is shown (in meters). This is the average height of the highest one-third of the waves
- Arrows show direction of dominant waves

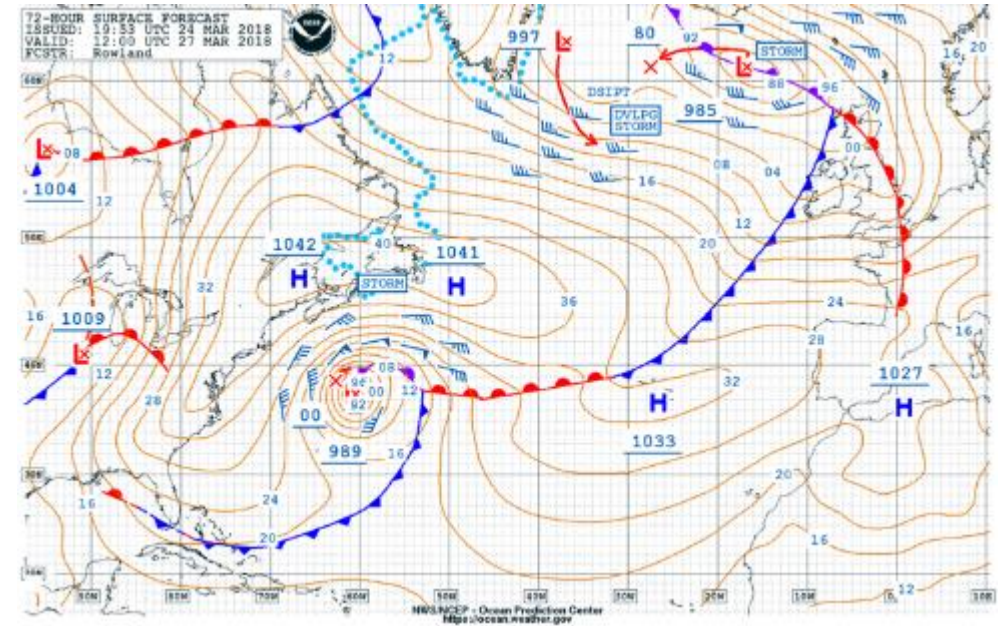


# Synoptic Forecast

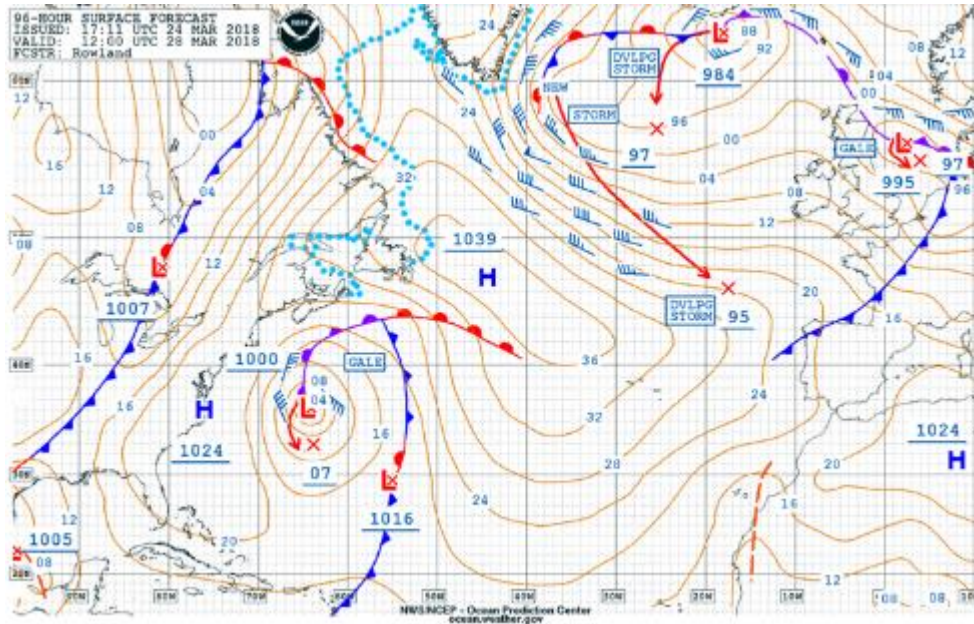
Monday 9:30pm NDT/10pm Ship



Tuesday 9:30am NDT/10am Ship



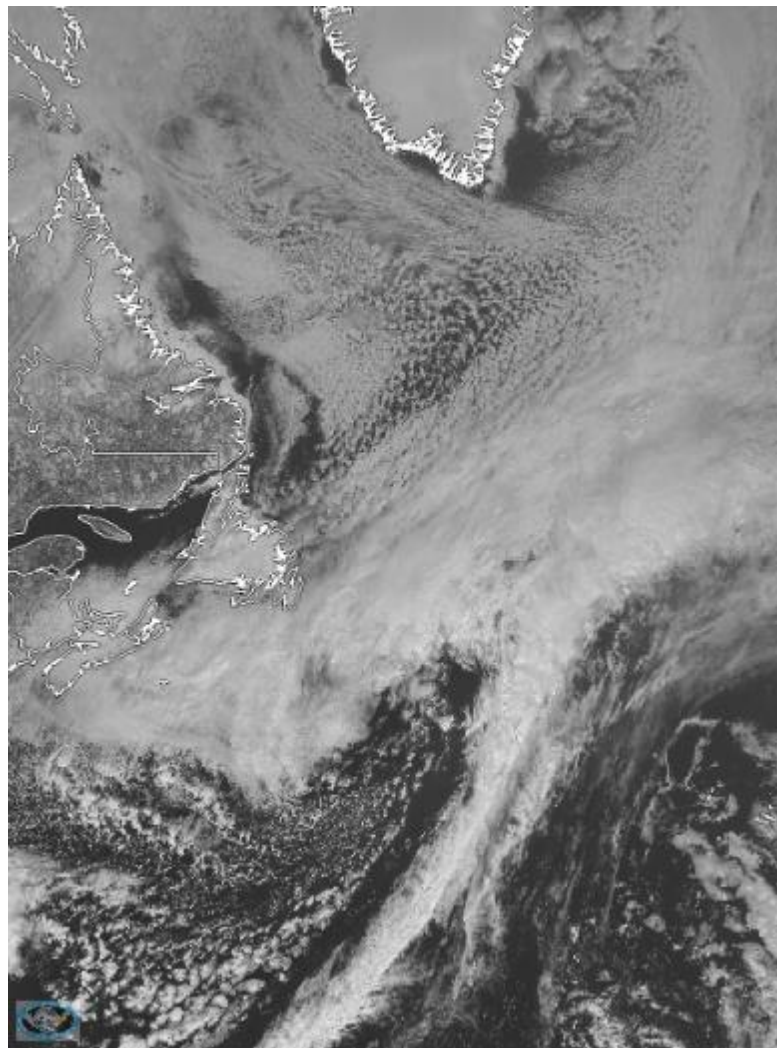
Wednesday 9:30am NDT/10am Ship



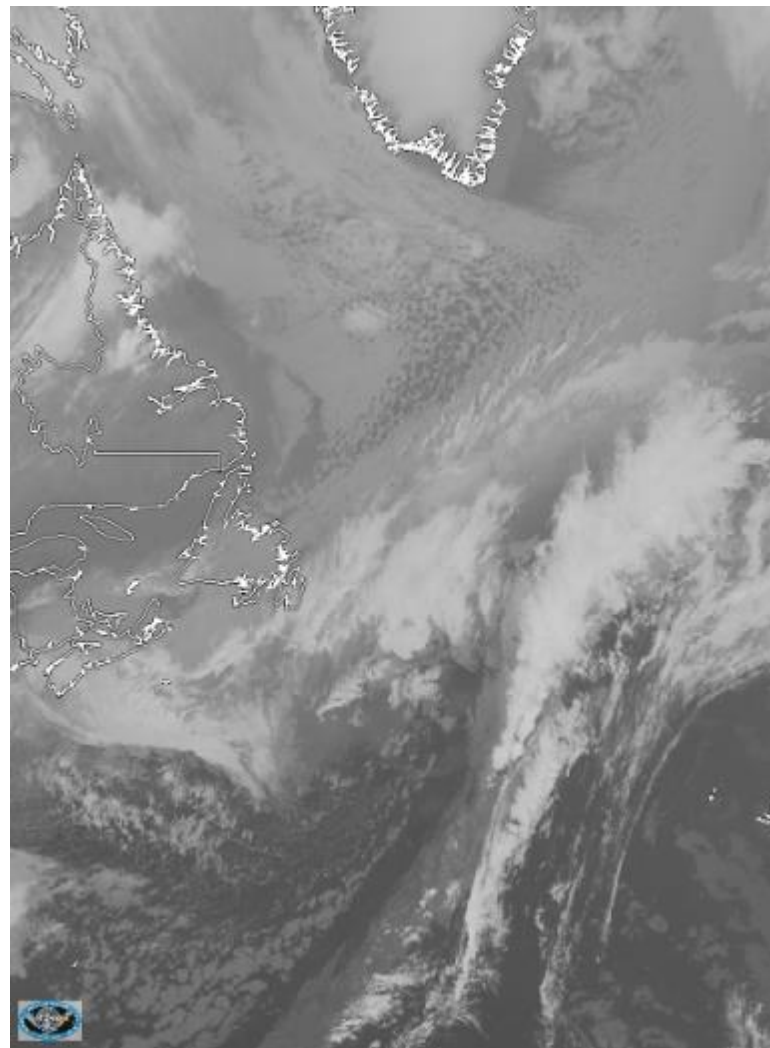


# GOES-16 Imagery (3/25 14:45 UTC)

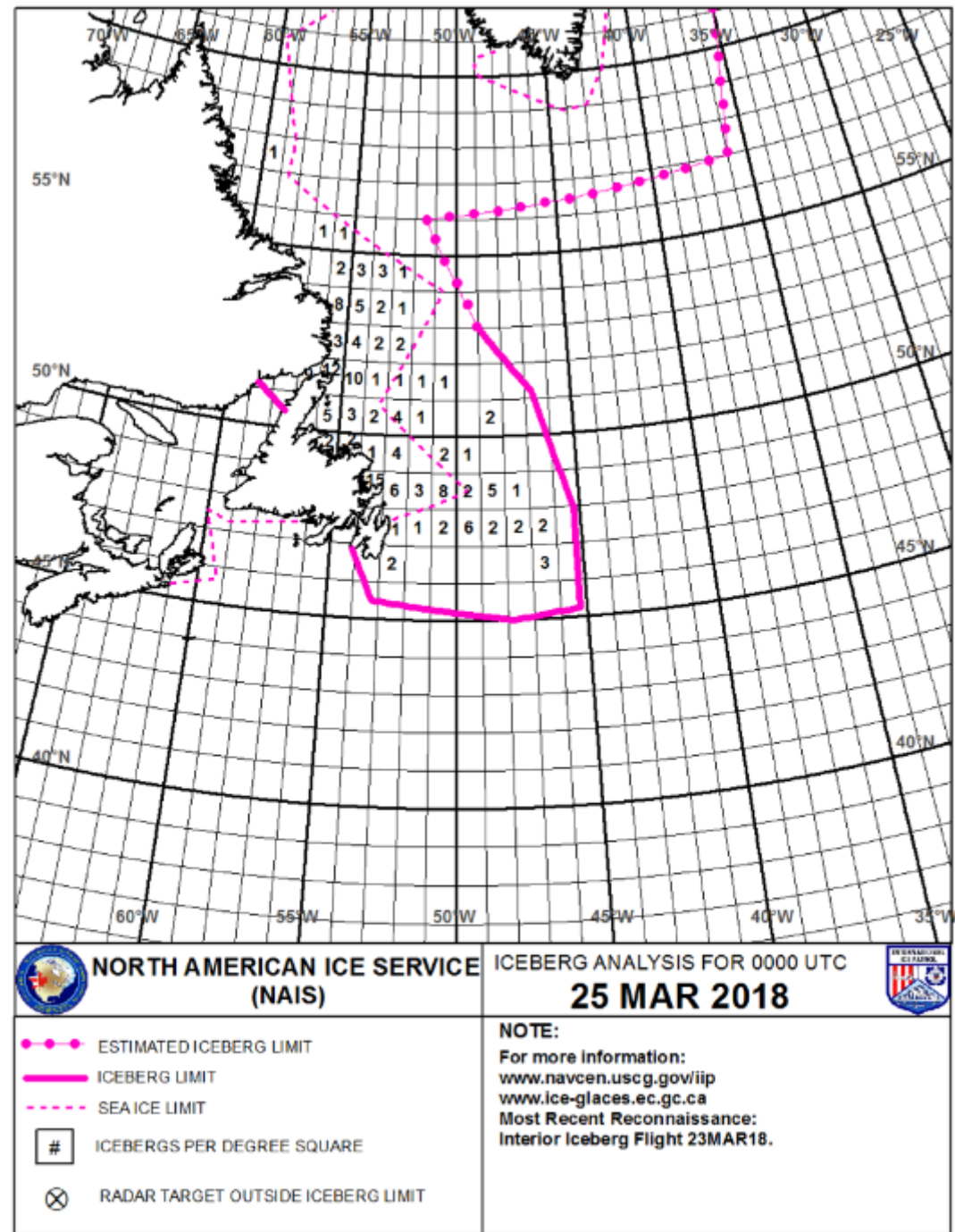
Visible



IR

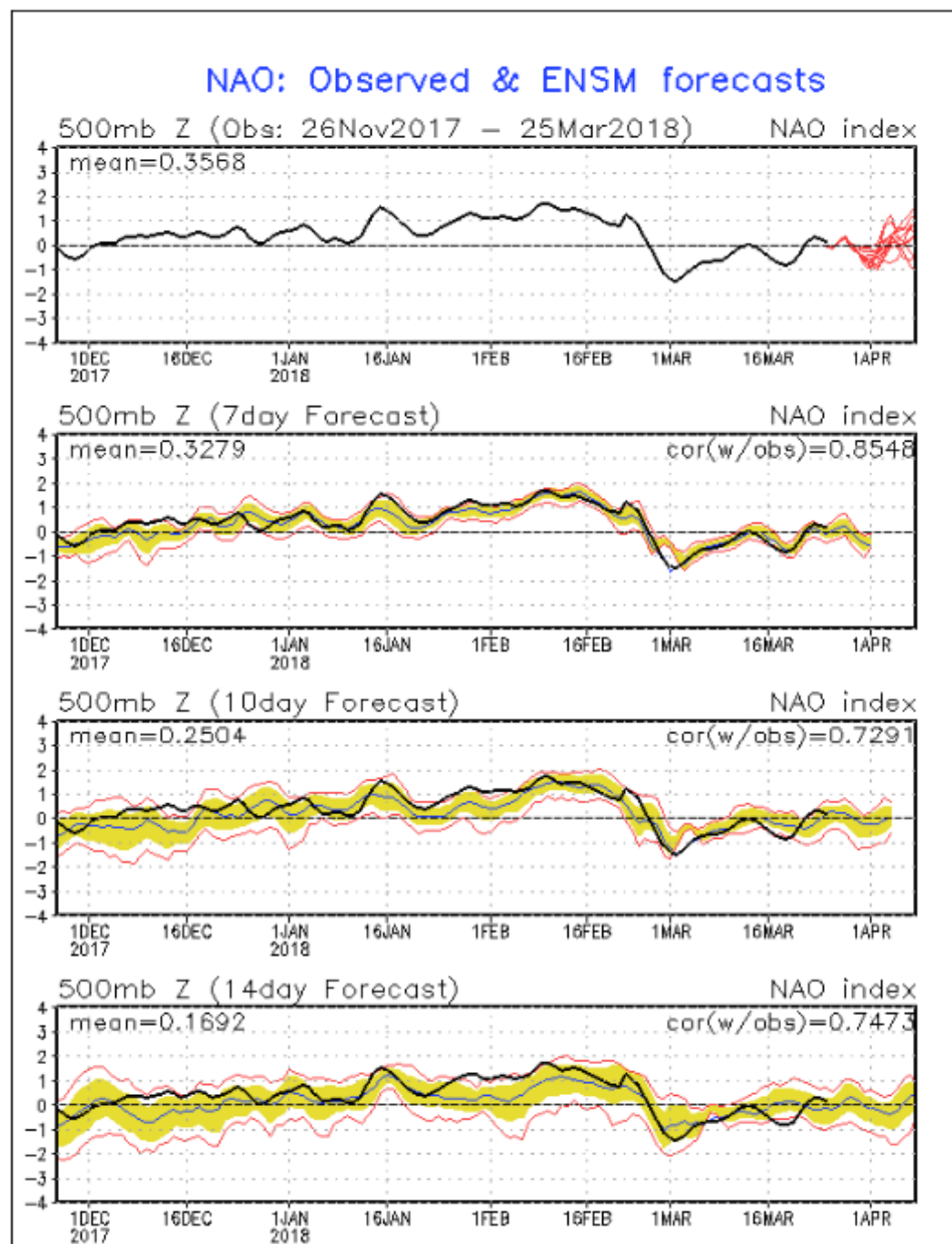


# Sea Ice and Icebergs





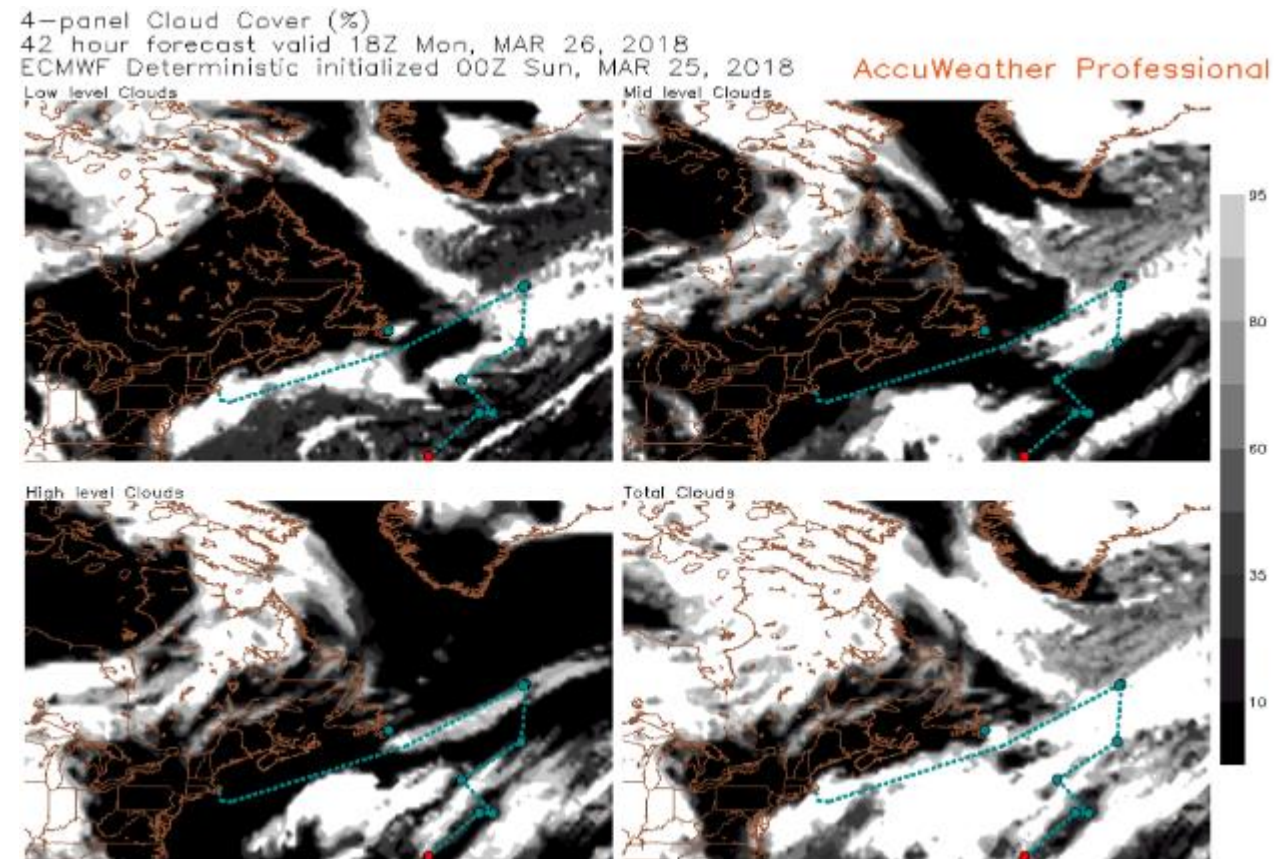
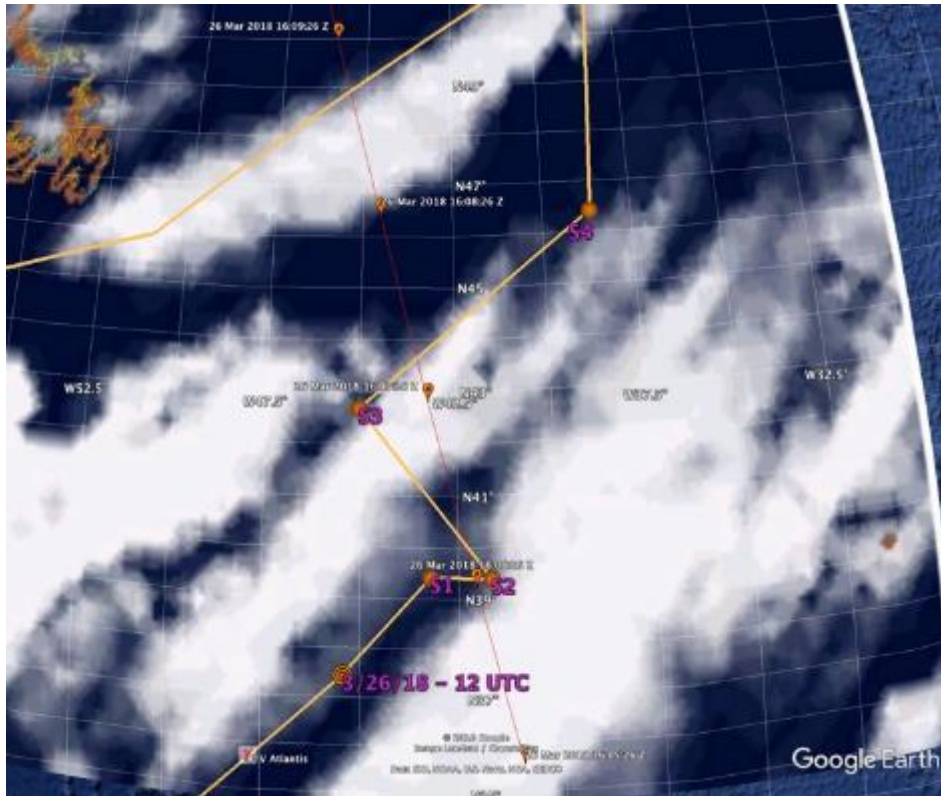
# Current NAO



# 3/26/18 Science Flight to near Ship/CALIPSO

- Area near ship will be partly cloudy, primarily high clouds
- CALIPSO track will be cloudy, but there is a stretch with no high clouds, but low and mid clouds

High





# 3/27/18 Science Flight to S1

Cloudy at all levels over S1 due to warm front

