

Brown-0201 (1 February 2020)

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Compiled: 02.01 / 20:30 AST

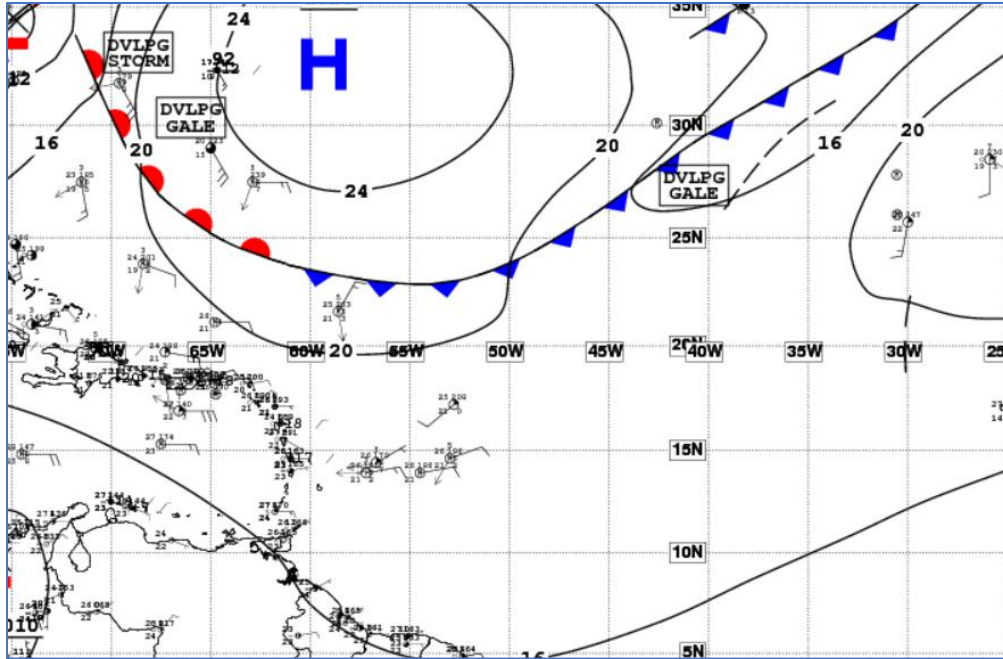
1. Objective

The Brown will remain on station at the P3 Point (P3P - 13° 54' / 54° 30') to obtain continuous measurements of the aerosol, BL, clouds, and ocean properties.

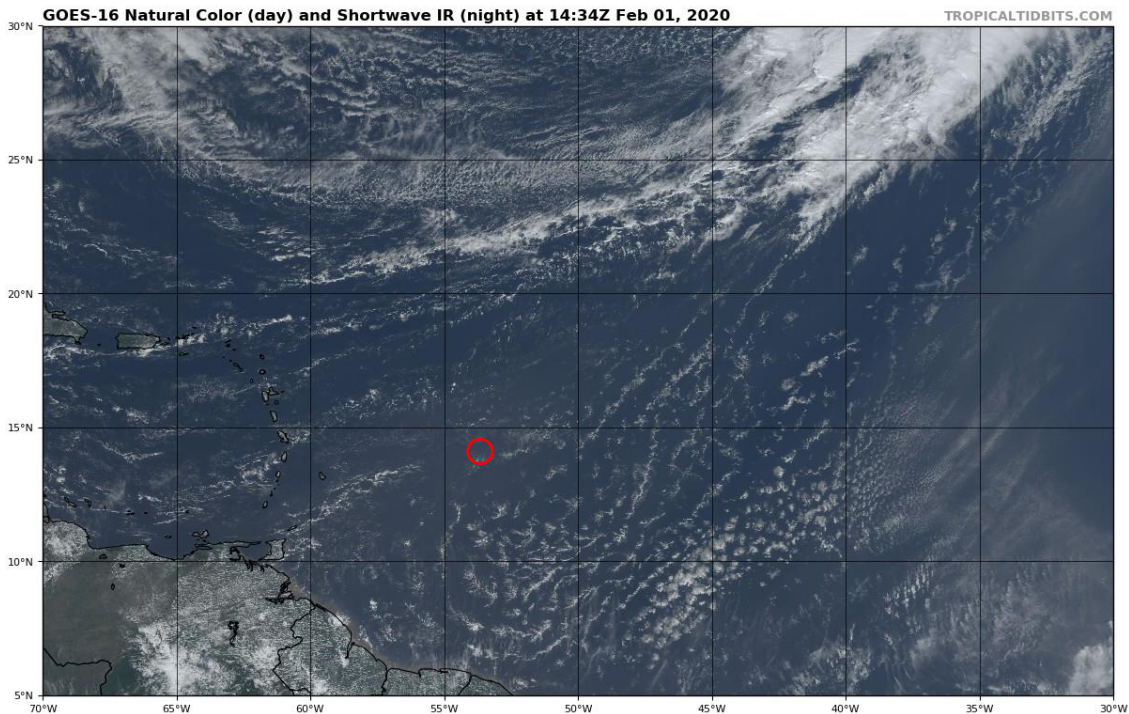
2. Synoptic Situation

Sunny and hazy conditions persisted today. Dust concentration levels noticeable decreased throughout the day but remained mostly aloft. Swells ranged from 1.5m to 2.0m while wind speeds were in the vicinity of 13/14 knots.

Local Time (UTC -4)	Ship's Position	Coverage	Types	Remarks
800	13°54'N 054°30'W	0/8 High	N/A	Hazy conditions
		0/8 Mid	N/A	
		1/8 Low	Cu	
1100	13°54'N 054°30'W	0/8 High	N/A	Hazy conditions
		0/8 Mid	N/A	
		1/8 Low	Cu	
1800	13°54'N 054°30'W°	0/8 High	N/A	Reduction in dust concentration
		0/8 Mid	N/A	
		1/8 Low	Cu	



NHC/TROPICAL ANALYSIS AND FORECAST BRANCH 12Z ANALYSIS



GOES16 CH02 VISIBLE IMAGE

3. Cruise-day Elements

Sondes launched every 4 hours around the clock from 0 UTC
 CTD to 400 m at 0900 AST
 uCTD's to ~150 m every odd-hour around the clock

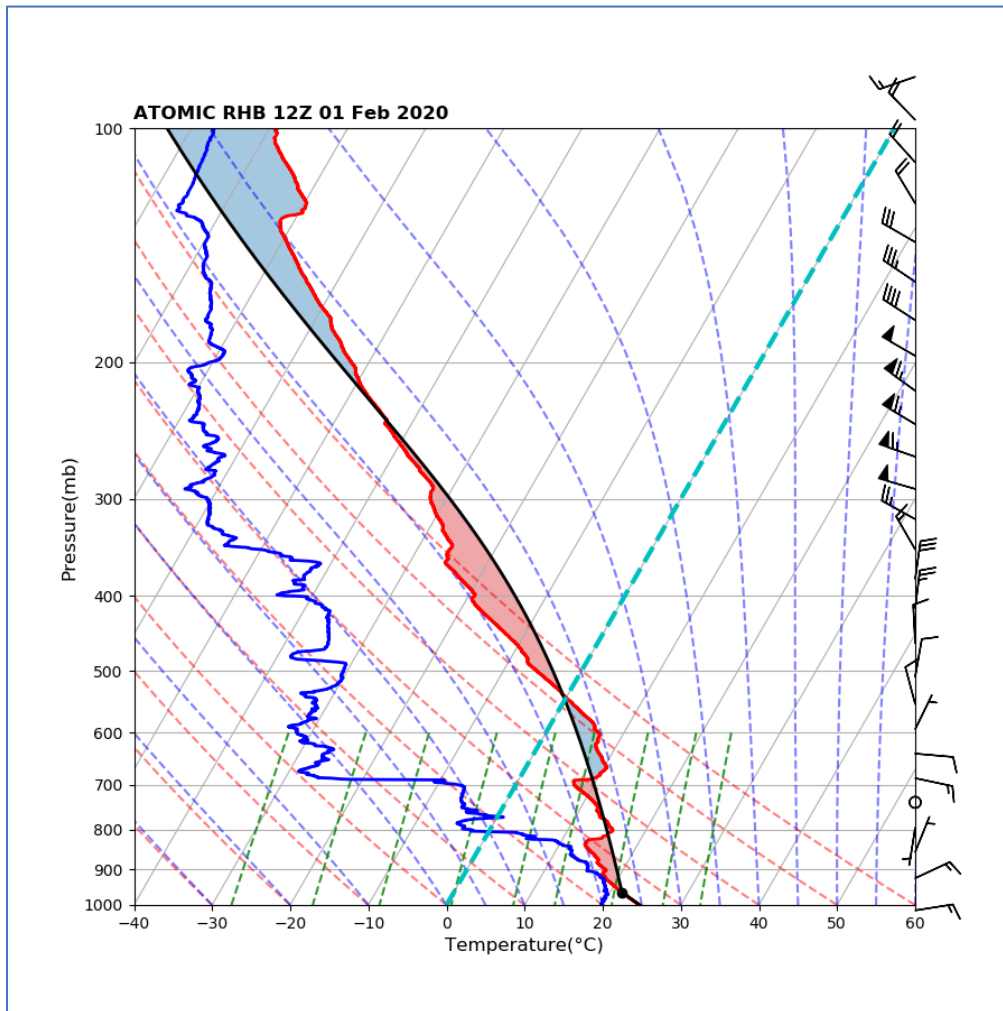
4. Instrument Status

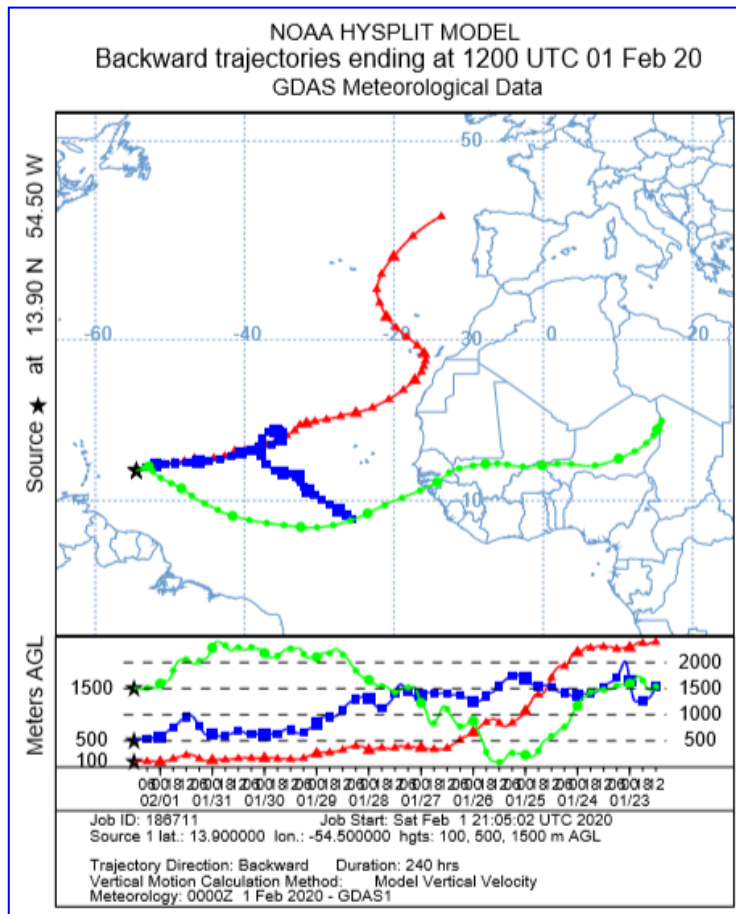
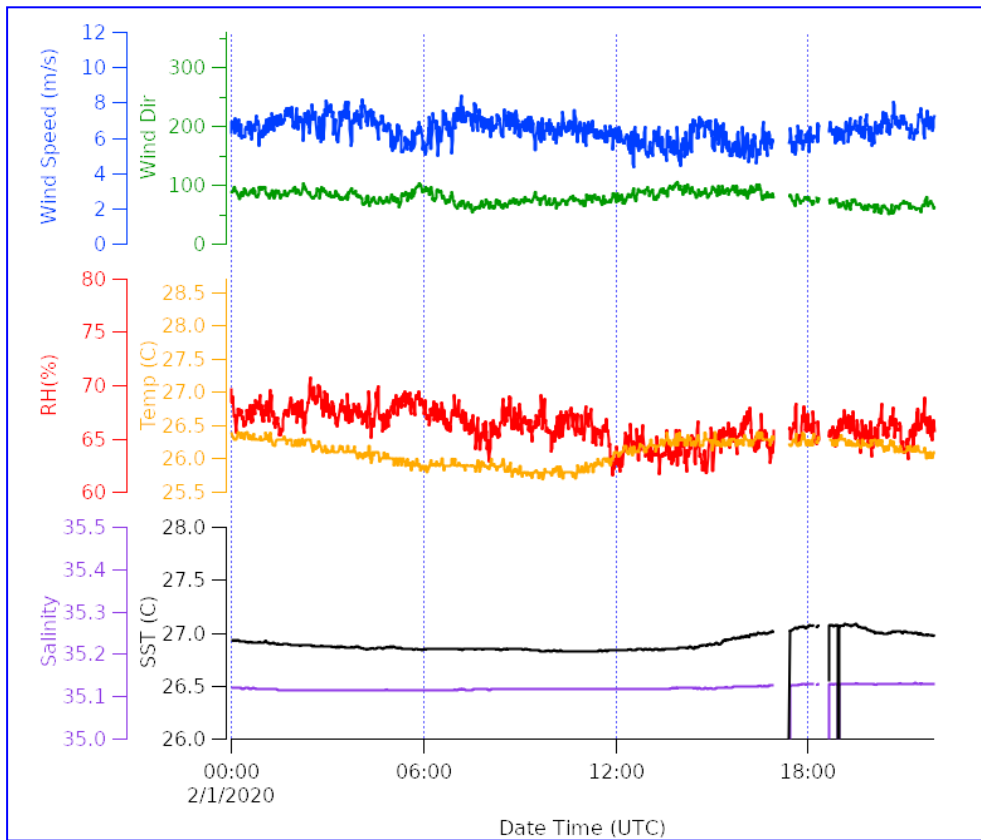
Drifters deployed across a temperature & salinity front on Jan 30 are all working well and reporting measurements. The second Wave Glider was intercepted yesterday morning to disconnect the radiometer which was damaged and is no longer obtaining data. All other sensors looked fine. No changes of the ship borne sensors from previous report.

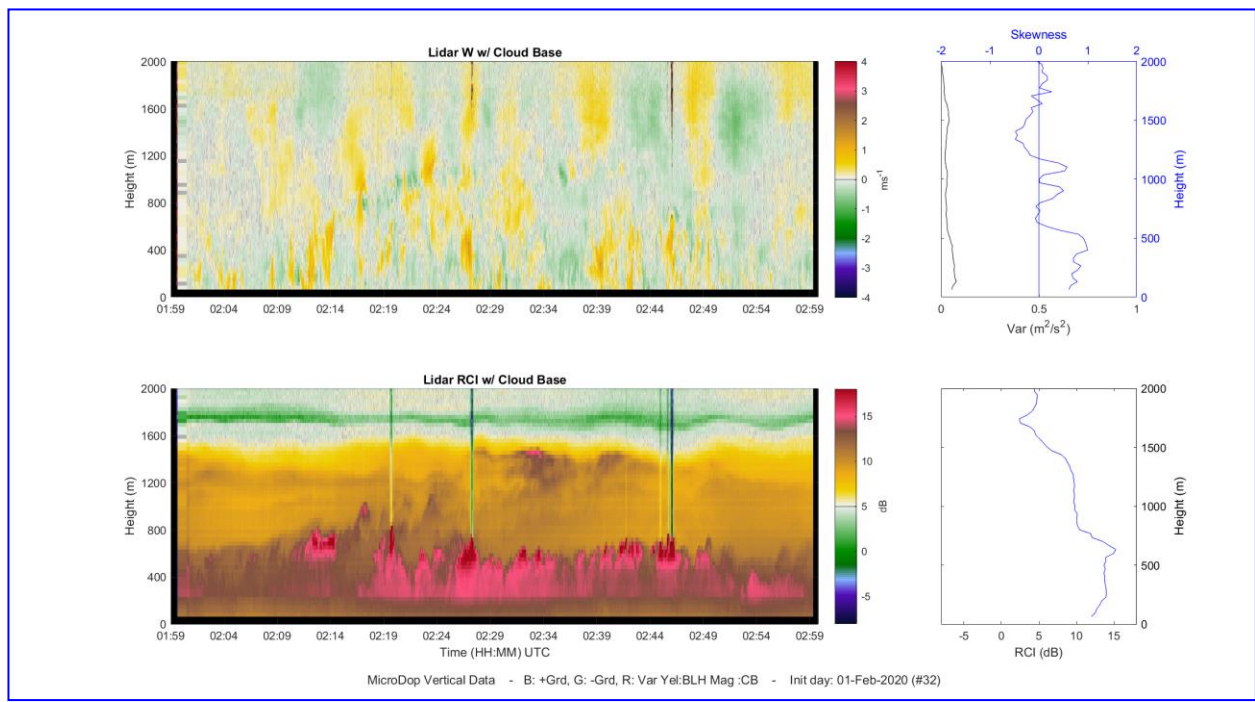
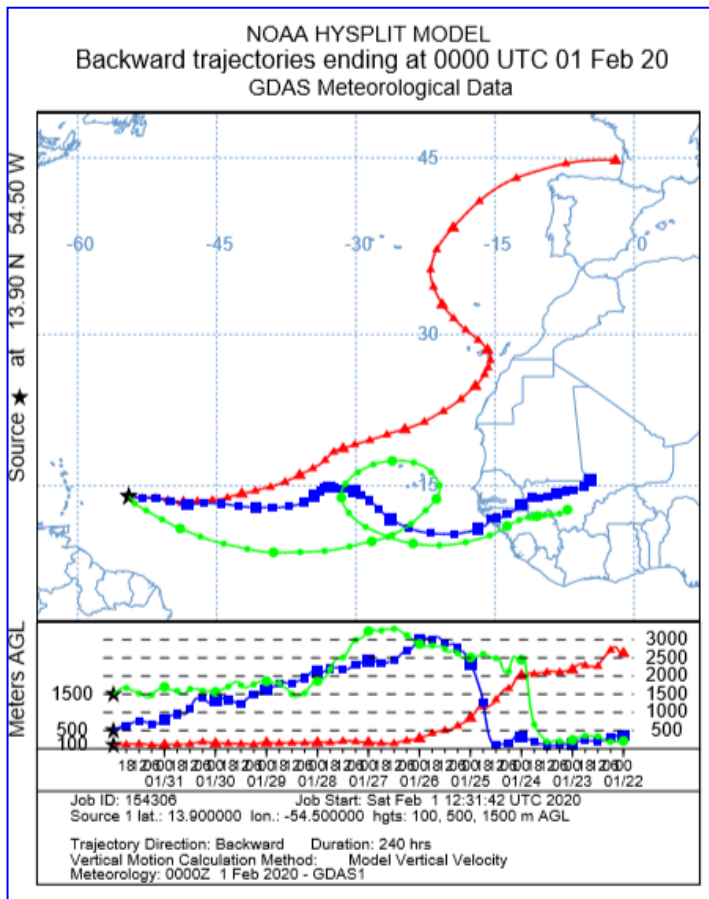
5. Outlook

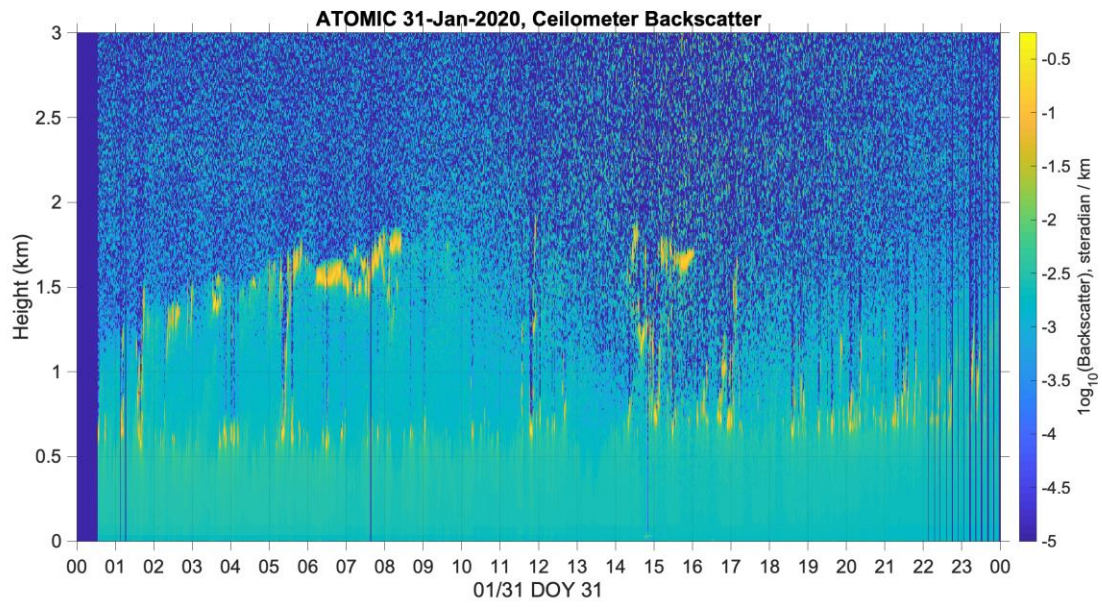
The Brown will remain stationed at P3P (13° 54' / 54° 30') and oriented into the wind. Dust event continues for aerosol observing. Next P3 flight anticipated on Feb 3rd. Regularly deployed balloons, rosette CTD to 400 m at 0900 AST and uCTD to be lowered at odd-hour times throughout the 24 hour period will continue.

6. Figures









NOTE: Ceilometer image from yesterday.