

Brown-0210 (10 February 2020)

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Compiled: 02.10 / 19:30 AST

(All times in AST unless noted otherwise)

1. Objective

08:00-11:00 AST Transit from current Station Point to NW cluster of 4 SWIFT drifters

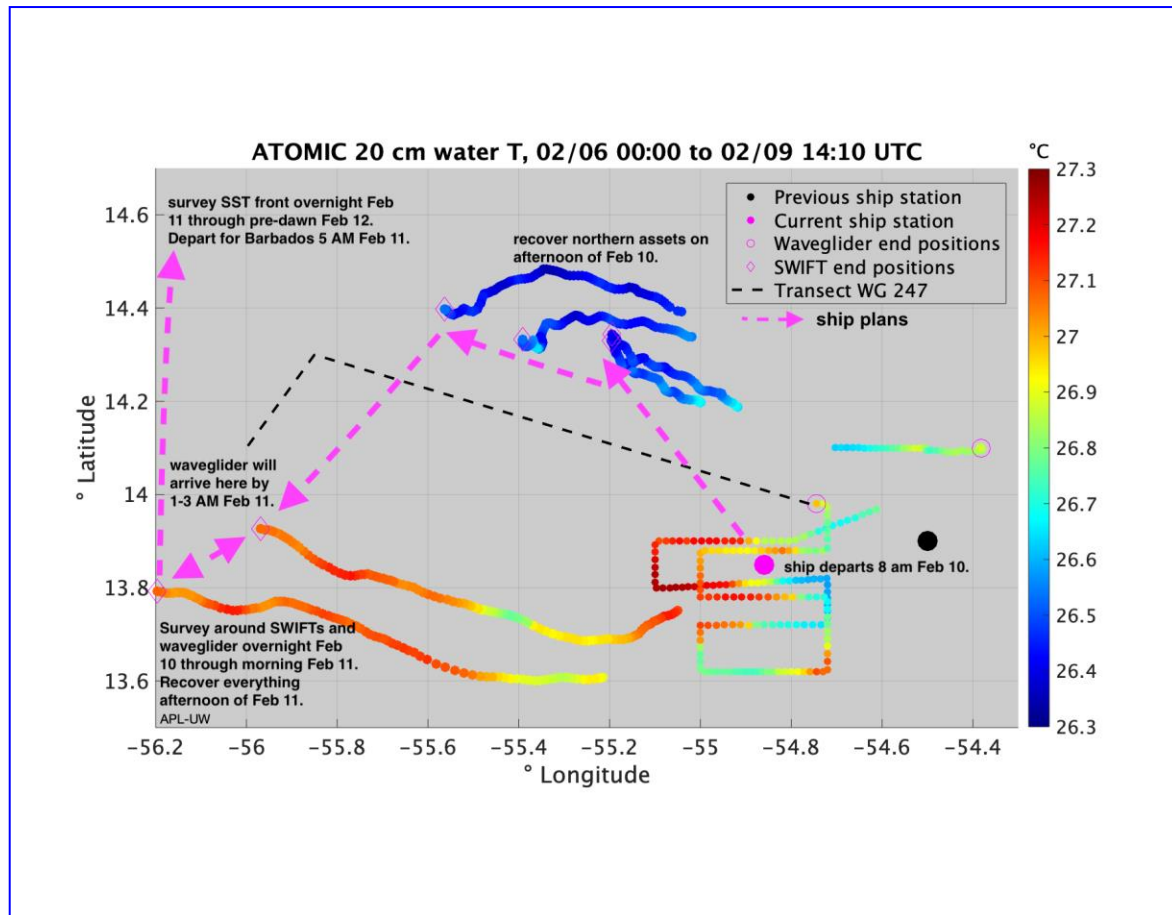
07:00 AST uCTD

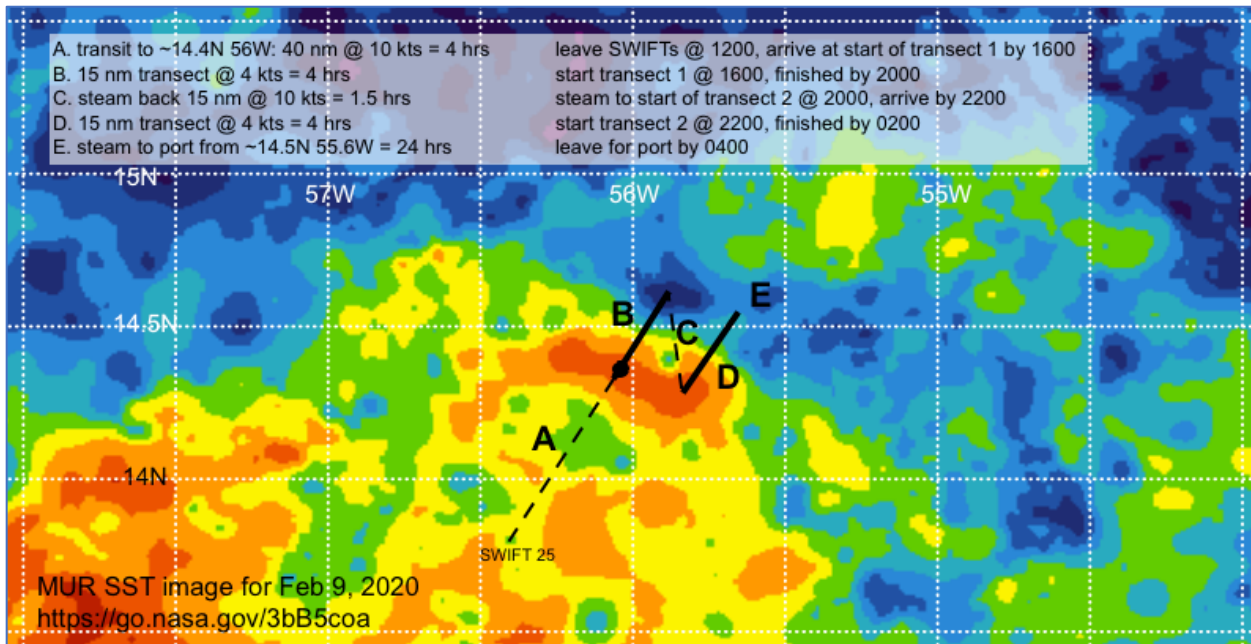
12:00-20:00 AST Recover drifters, spending ~1 hr at each for calibration data

Balloon launches every 4 hours

Lidar, radar, ceilometer obtaining continuous data

Evening: Transit from NW cluster to SW cluster to recover 2 SWIFTs and 1 Wave Glider



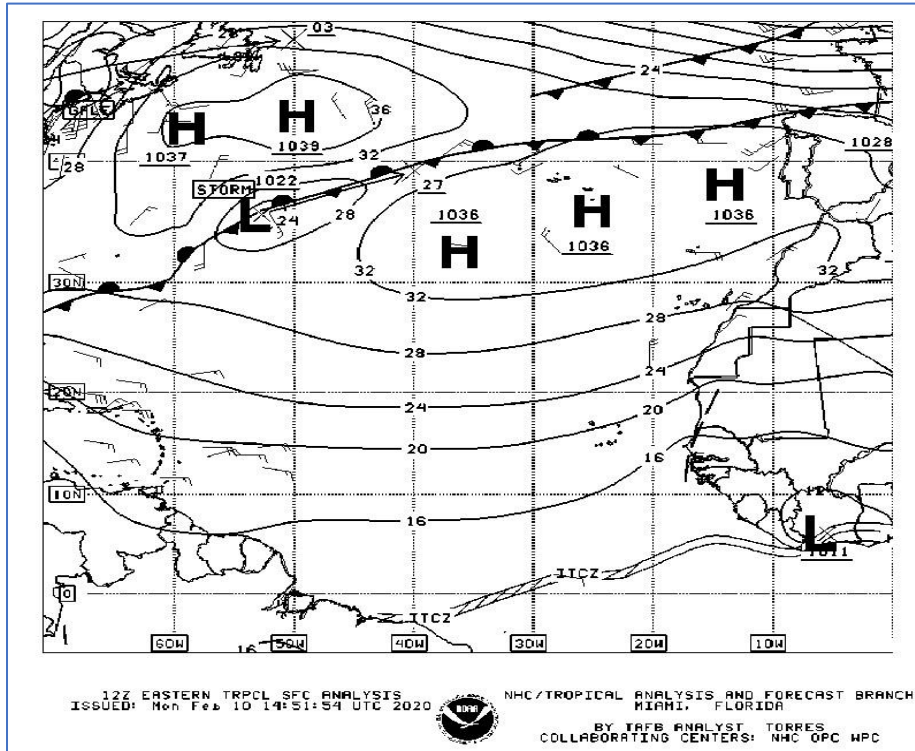


2. Synoptic Situation

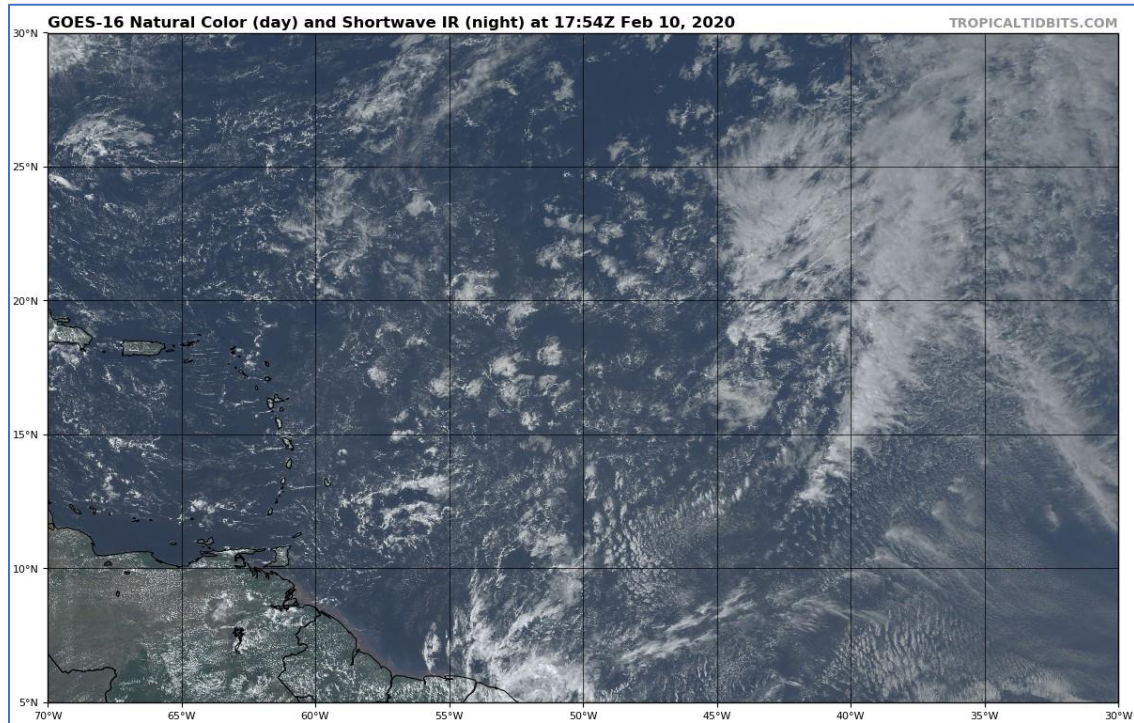
Local Time (UTC -4)	Ship's Position	Coverage	Types	Remarks
800	13°55'N 054°55'W	0/8 High	N/A	Hazy conditions
		0/8 Mid	N/A	
		2/8 Low	Cu	
1100	14°19'N 055°14'W	0/8 High	N/A	Hazy conditions
		0/8 Mid	N/A	
		1/8 Low	Cu	
1800	14°16'N 055°24'W°	0/8 High	N/A	Hazy conditions VCSH (vicinity showers)
		0/8 Mid	N/A	
		4/8 Low	Cu, Sc	

Sunny skies once again alternated with intervals of cloudiness and occasional shower activity today. The layer of Saharan dust lingered but concentration levels began to gradually decrease.

Above normal sea conditions persisted with swells peaking near 3.0m while wind speeds continued to range from 16 to 24 knots.



NHC/TROPICAL ANALYSIS AND FORECAST BRANCH 12Z ANALYSIS



GOES16 NATURAL COLOR IMAGE

3. Cruise-day Elements

Balloon launches every 4 hours
Recovered 4 SWIFTs
No aerosol sampling

4. Instrument Status

No aerosol sampling today but will resume sampling from midnight (Feb 10) until 0800 AST (Feb 11) to coincide with P3 flight

5. Outlook (through to end of campaign, Feb 13)

02:00 P3 Night Flight (RF11)
04:00-12:00 Aerosol sampling
Balloon launches every 4 hours
Lidar, radar, ceilometer obtaining continuous data

Detailed itinerary from overnight tonight Feb 10 - morning tomorrow Feb 11:

19:15 AST Recover SWIFT 24
19:30 AST Transit to SWIFT 17 ~ 40 nm.
00:00 AST Arrive at SWIFT 17
00:00 - 04:10 AST Sample just downwind of SWIFT 17
04:10-05:00 AST Transit to WG 247 (13.90 N, 56.15 W)
05:00-08:00 AST Sample just downwind of WG 247
08:00 AST Recover WG 247

See both graphics (above) for details on SWIFT and Wave Glider recoveries and Transect to sample ocean front.

Feb 12

Brown transits back to Barbados ~230 nm
Balloon launches end by 70 nm offshore
No aerosol sampling
Radar to be shut down 20 nm from Barbados

Feb 13

06:00 AST Arrive just off shore of Barbados to await pilot
07:30 AST Requested time for pilot to bring ship into port of Barbados

6. Figures

