

Brown-0107 (7 January 2020)

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1. Objective

Brown departed Bridgetown at 18:30 UTC and is heading to the NTAS buoy. Anticipated arrival time at NTAS is 0109 17:00 UTC. First balloon launch of the cruise is planned for 02:45 UTC with subsequent ones occurring every 4 hrs. No coordination with other platforms on this day.

2. Synoptic Situation

Weather was partly cloudy with shallow cumulus. Waves of 3 to 5', no white caps. Sargassum was present. Clean marine aerosol conditions with total particle number concentrations less than 300 1/cm³.

3. Cruise-day Elements

Underway to the NTAS buoy with a radiosonde planned for 02:45 UTC on 0108.

Inter-calibration: None

CTD Stations: None

Overflights: None

4. Instrument Status

All instruments are operational either making measurements or being calibrated. CCN is being calibrated.

5. Outlook

Over the next two days we will be transiting to the NTAS buoy. Along with balloon launches we will be making in situ and remote atmospheric measurements (aerosols, clouds, etc.). We will be performing one deep water CTD cast tomorrow. We anticipate beginning NTAS buoy operations on 0110.

6. Figures

