

BCO-0119

BCO Team

1. Objective

Kind of normal operation at the BCO with 4 hourly Radiosonde launching

2. Weather Overview

Calm easterly winds with very few clouds.

Field	Quantity	Notes
Temperature	Min: 25.9 Max: 27.4	WeatherSensor WXT530
Rel. Humidity	Min: 55.1 Max: 74.7	WeatherSensor WXT530
Windspeed 2m	Min: 2.2, Max: 12.4	WeatherSensor WXT530
Winddirection	EastNorthEast	WeatherSensor WXT530
Rainfall	No Rain	WeatherSensor WXT530

3. Instrument Status

BCO: Instruments were running, 6 radiosondes with descents on parachutes recorded

Ragged Point:

Size resolves CCN measurements are (CCN-100, DMT vs. CPC 5.42 - GRIMM) are running

Aerosol size distribution for nano particles (SMPS 5.420, GRIMM) is running

Aerosol size distribution and mass for accumulation mode and coarse mode particles (EDM 180, GRIMM) is running.

Currently the EUREC4A (BCO) Ragged Point site is still being set up.

The infrastructure is almost complete (sea container lab installed; 10m sampling tower erected; power connection made and live; 10m sampling stack still to be installed (expected to be completed by end of Sunday). The lab air conditioning unit is operational and both AMS and LAAPToF aerosol mass spectrometers are pumping down.

Expect instrument installation to be completed and most instruments running once the sampling system (sub-sampling off the 10m stack on tower) is complete (estimate this will be by the end of Monday)

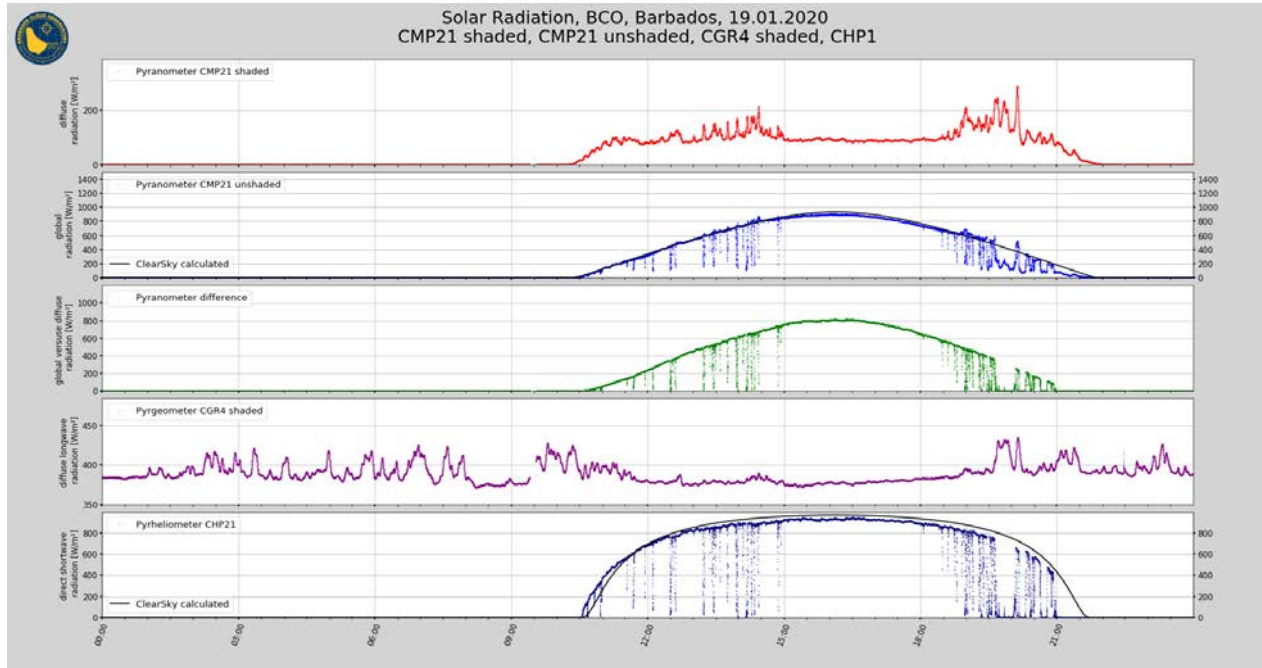
PoldiRad: No further update.

4. Outlook

As normal operation as possible...

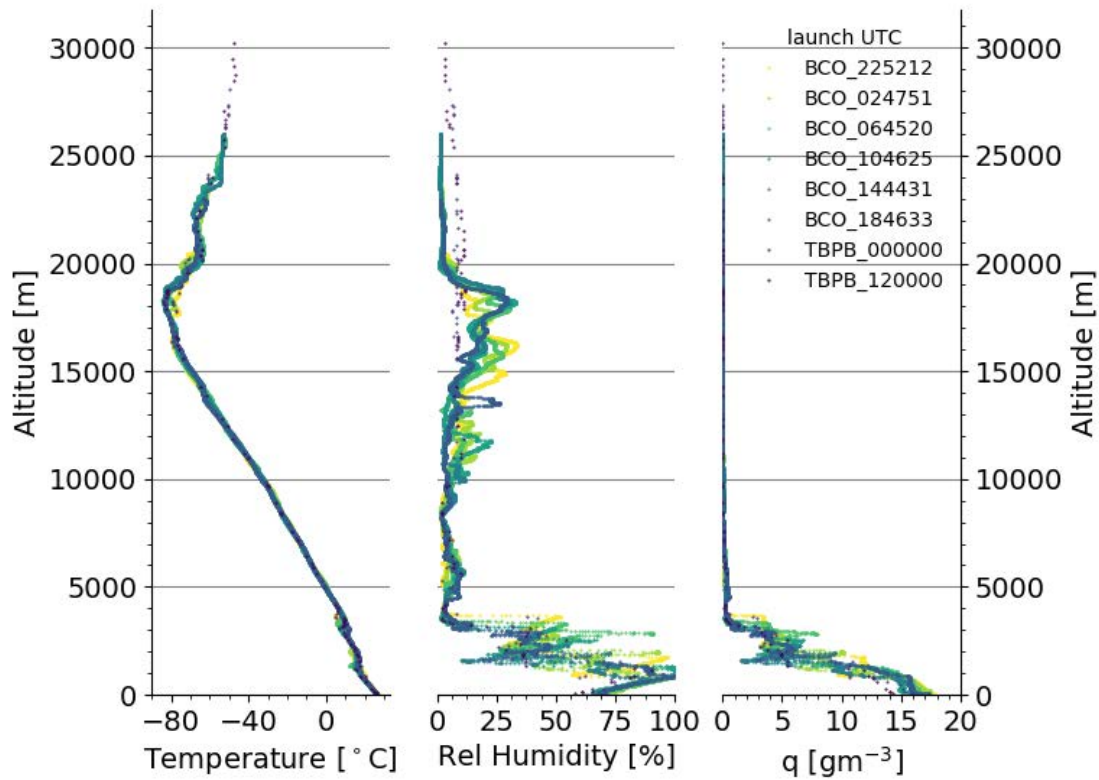
5. Figures

Radiation sensors 20200119

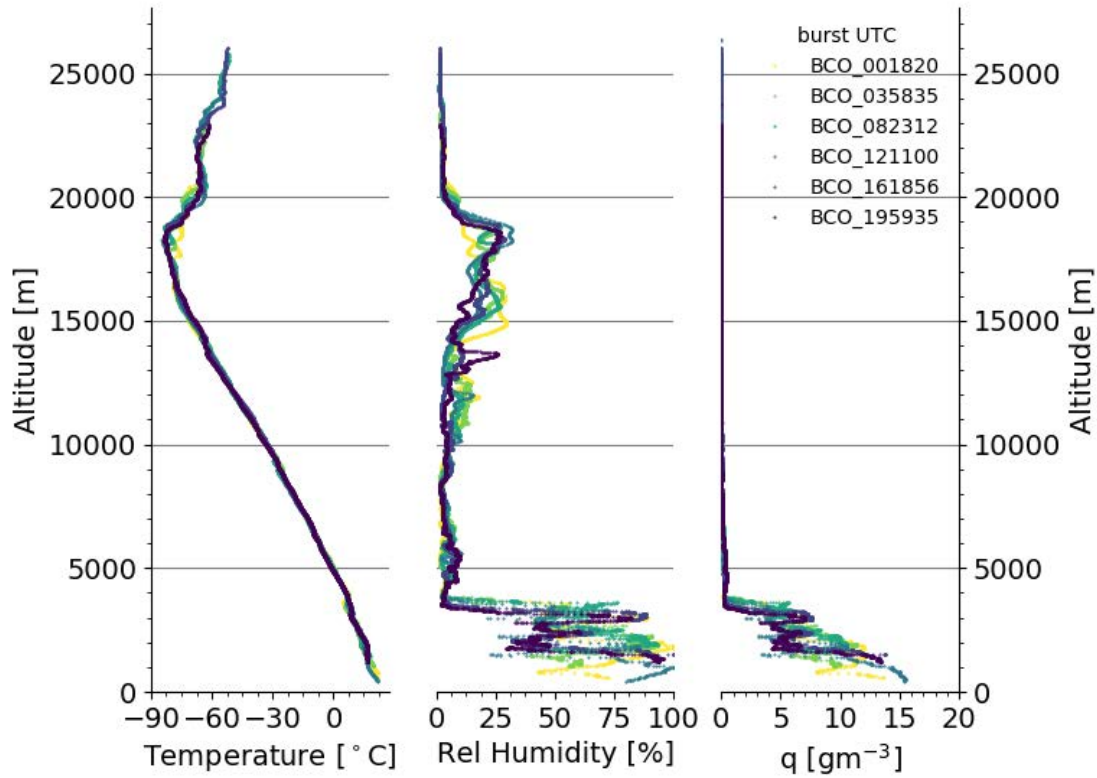


Radiosondes

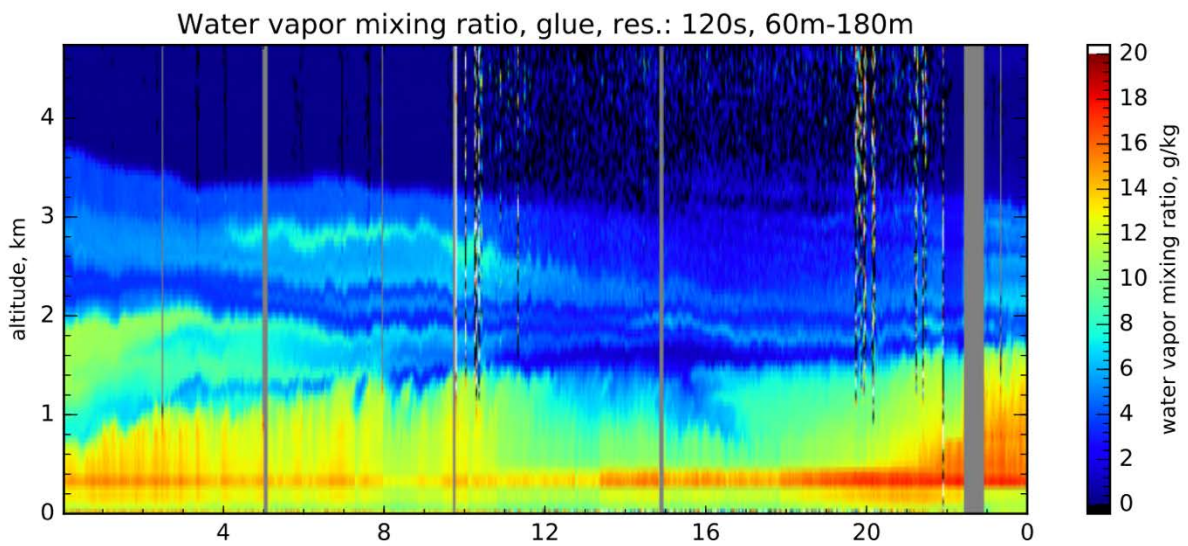
BCO 20200119 Ascent



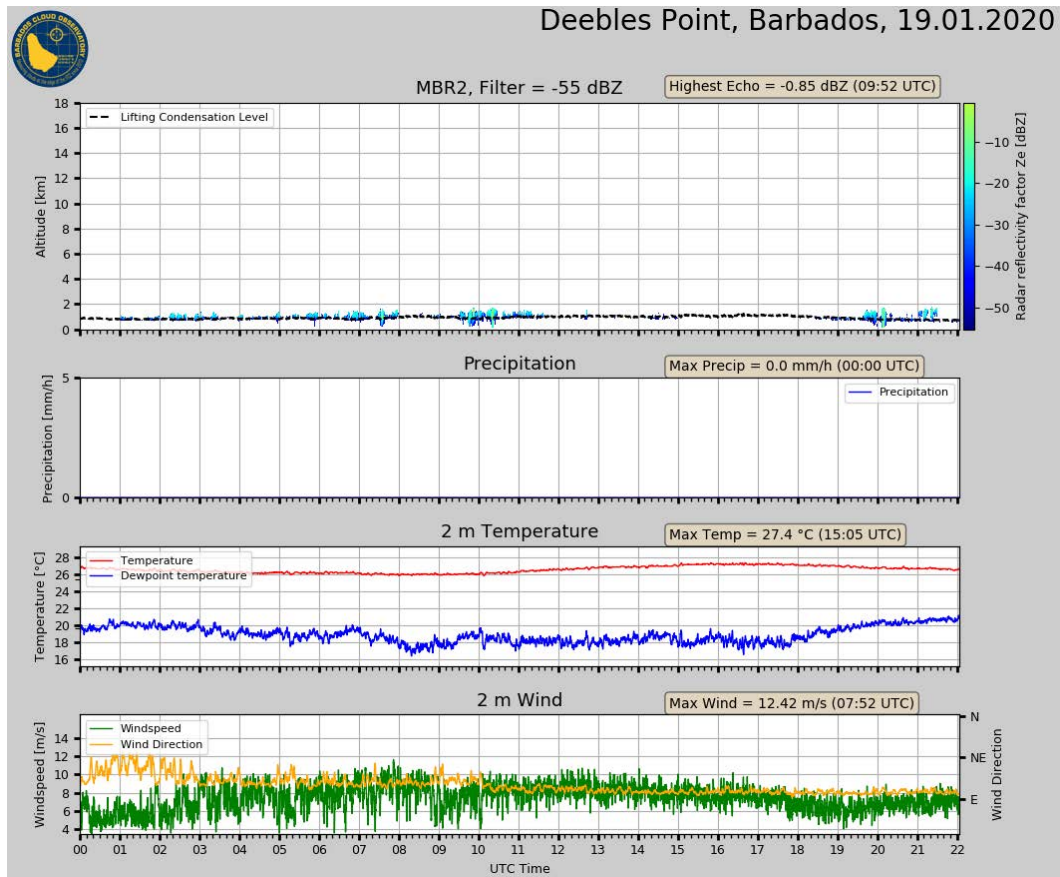
BCO 20200119 Descent



Water vapour quicklook RamanLidar 19.01.2020:



Ka-Band-Radar/Weathersensor



IWV Intercomparison Radiometer/Radiosondes

