

BCO-0122

BCO Team

1. Objective

Normal operation at the BCO with 4 hourly Radiosonde launching

2. Weather Overview

Easterly winds and huge amount of rain

Field	Quantity	Notes
Temperature	Min: 23.4 Mean: 25.0 Max: 26.5	WeatherSensor WXT530
Rel. Humidity	Min: 66.4 Mean: 81.6 Max: 91.8	WeatherSensor WXT530
Windspeed 2m	Min: 0.61 Mean: 4.8 Max: 10.6	WeatherSensor WXT530
Winddirection	East	WeatherSensor WXT530
Rainintensity	Max 12.9 mm/h	WeatherSensor WXT530

3. Instrument Status

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

EUREC4A-ISO: running, happy with rainsampling(!)

MPI-C Ragged Point: No further updates

EUREC4A-UK Ragged Point: All aerosol instruments now operational.

Accumulation/Coarse mode number concentrations 5 - 20/cc (by APS)

Accumulation Mode composition; Sulphate 0.2 $\mu\text{g}/\text{m}^3$, Nitrate 0.06 $\mu\text{g}/\text{m}^3$, Organics 0.3 $\mu\text{g}/\text{m}^3$ (by AMS)

Single Particle Composition; Fresh unprocessed NaCl (by LAAPTOF)

PoldiRad: No further update.

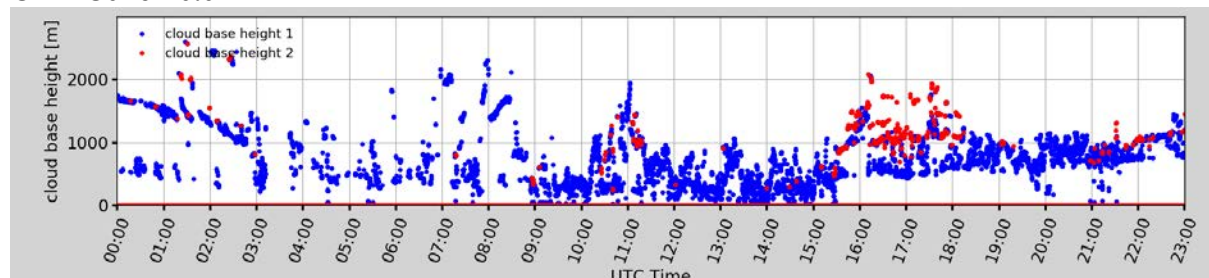
WetDepositionSampler TU Darmstadt: running

4. Outlook

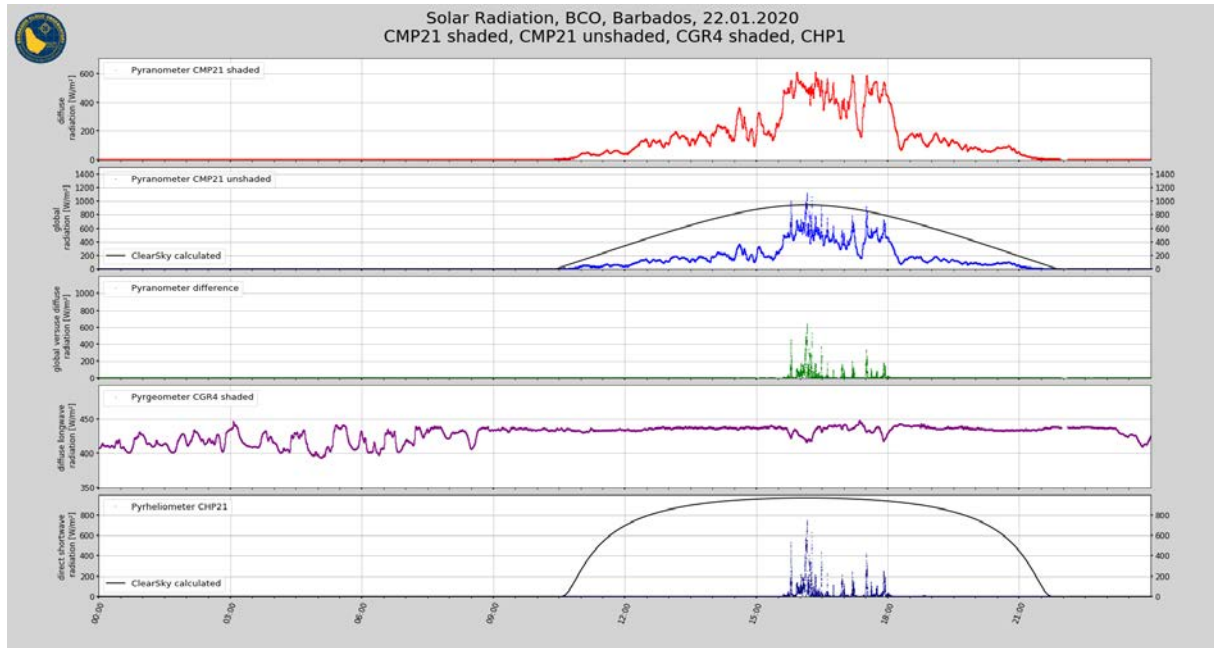
As normal operation as possible...

5. Figures

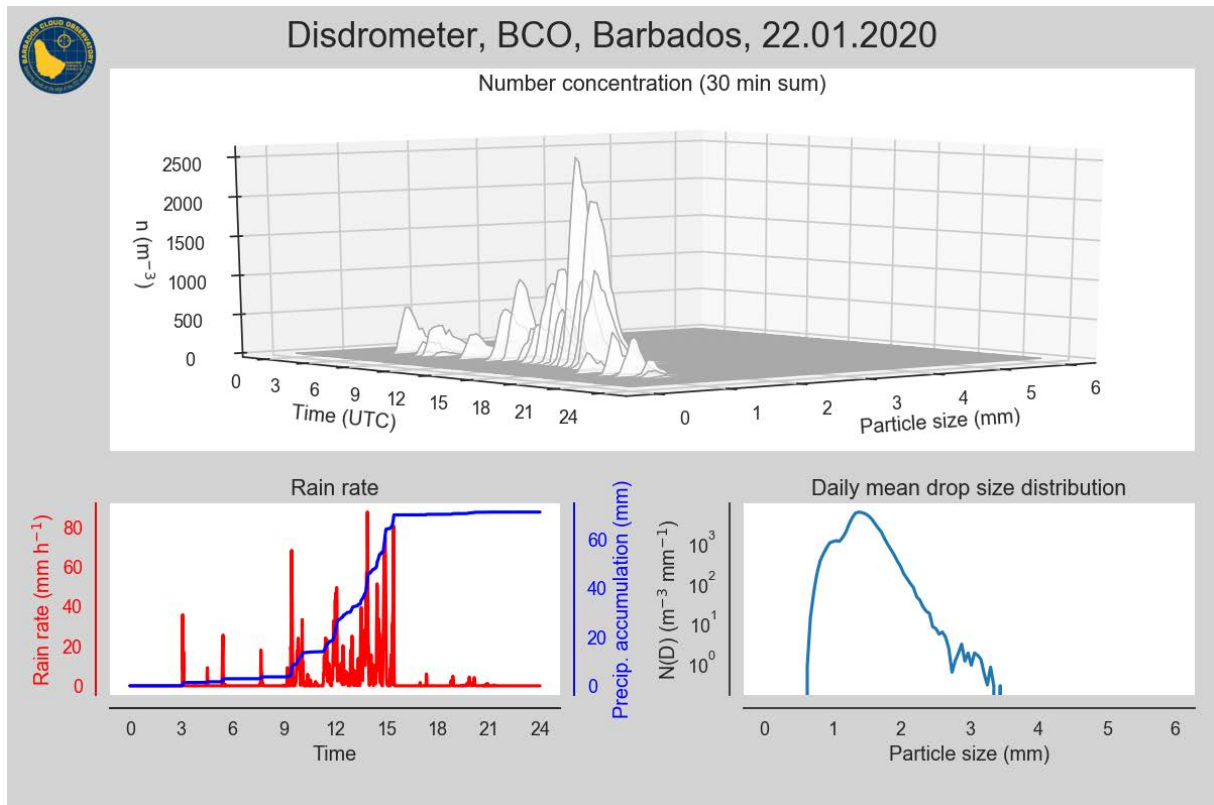
CBH Ceilometer



Radiation:

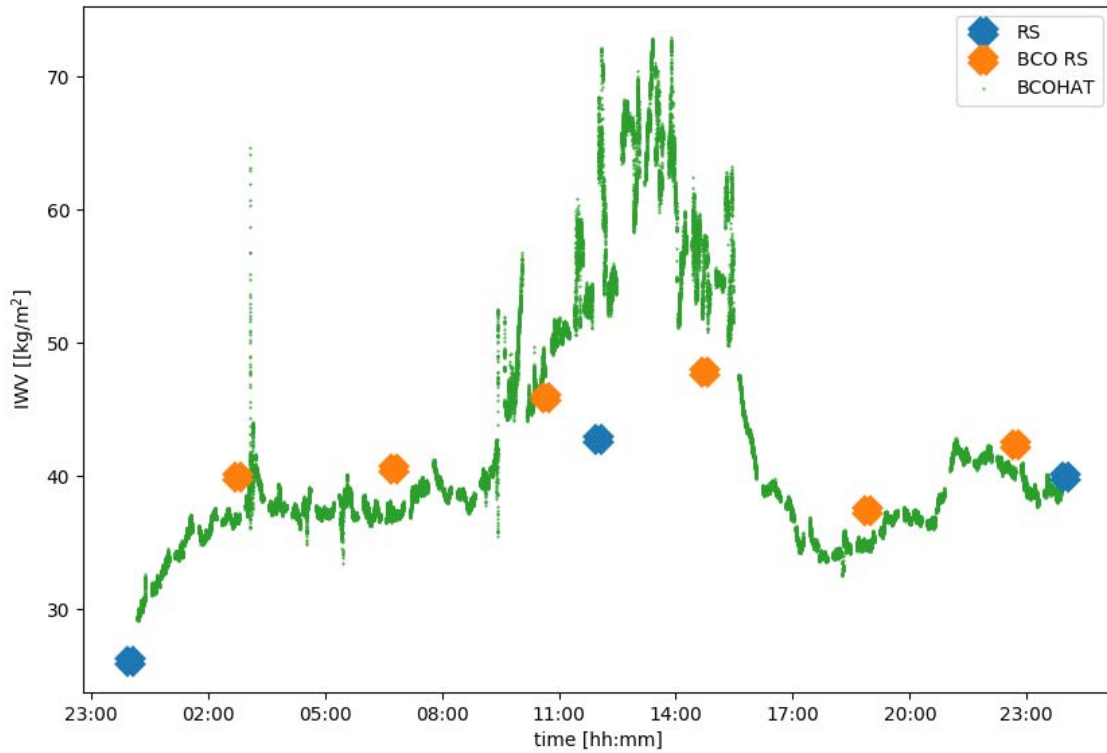


Disdrometer



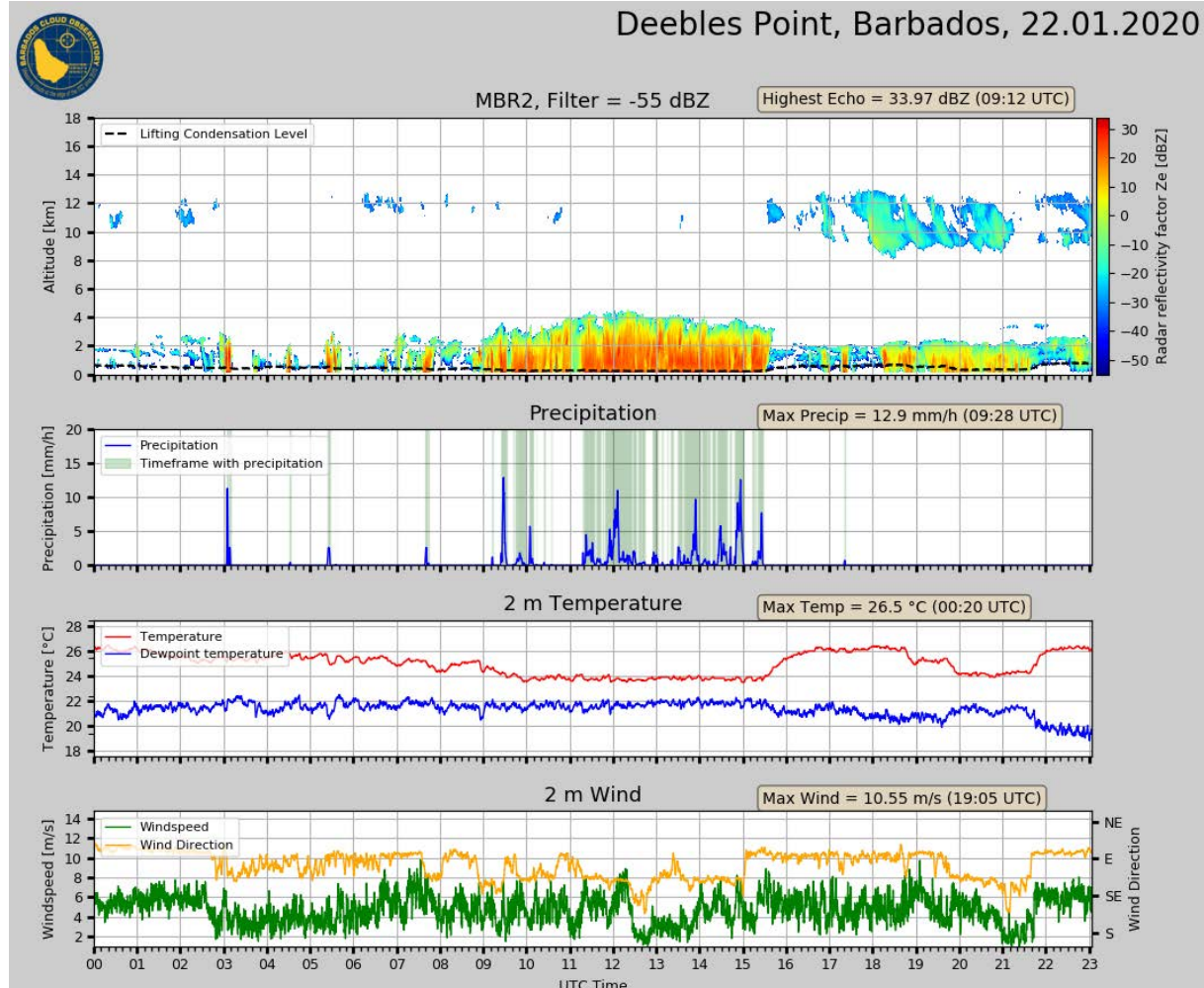
IWV Intercomparison Radiometer/Radiosondes

22-01-2020



Ka-Band-Radar/Weathersensor

Deebles Point, Barbados, 22.01.2020



Radiosondes

