

BCO-0203

BCO Team

1. Objective

Normal operation at the BCO with 4 hourly Radiosonde launching

2. Weather Overview

Calm easterly winds, low amount of clouds, no rain

Field	Quantity	Notes
Temperature	Min: 25.7 Mean: 26.5 Max: 27.9	WeatherSensor WXT530
Rel. Humidity	Min: 59.5 Mean: 69.5 Max: 77.4	WeatherSensor WXT530
Windspeed 2m	Min: 0.44 Mean: 3.5 Max: 7.8	WeatherSensor WXT530
Winddirection	EAST	WeatherSensor WXT530
RainSum	0.0	

3. Instrument Status

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

EUREC4A-ISO: running

MPI-C Ragged Point: running

EUREC4A-UK Ragged Point: all aerosol instruments operational

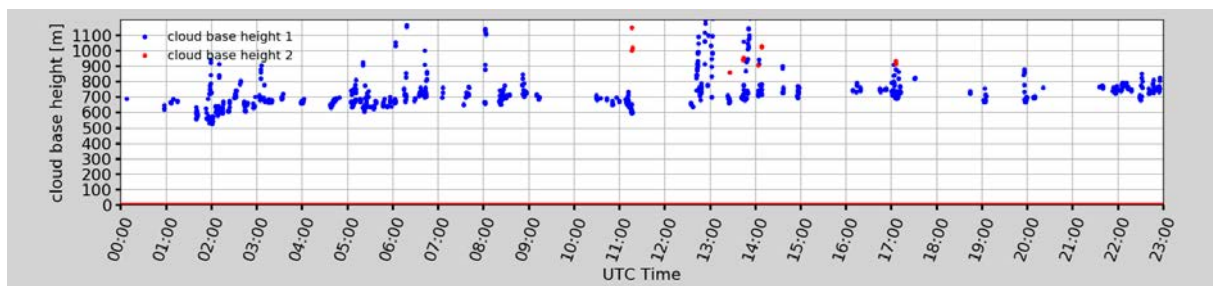
PoldiRad: running, waiting for permission

WetDepositionSampler TU Darmstadt: running

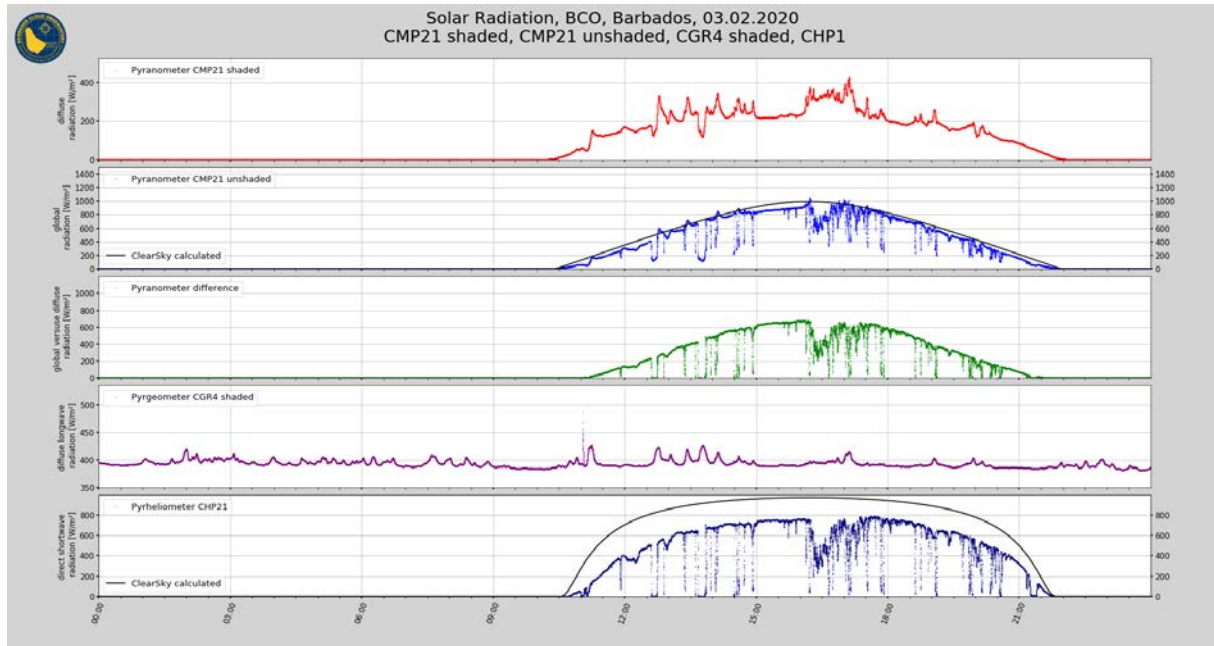
4. Outlook

As normal operation as possible...

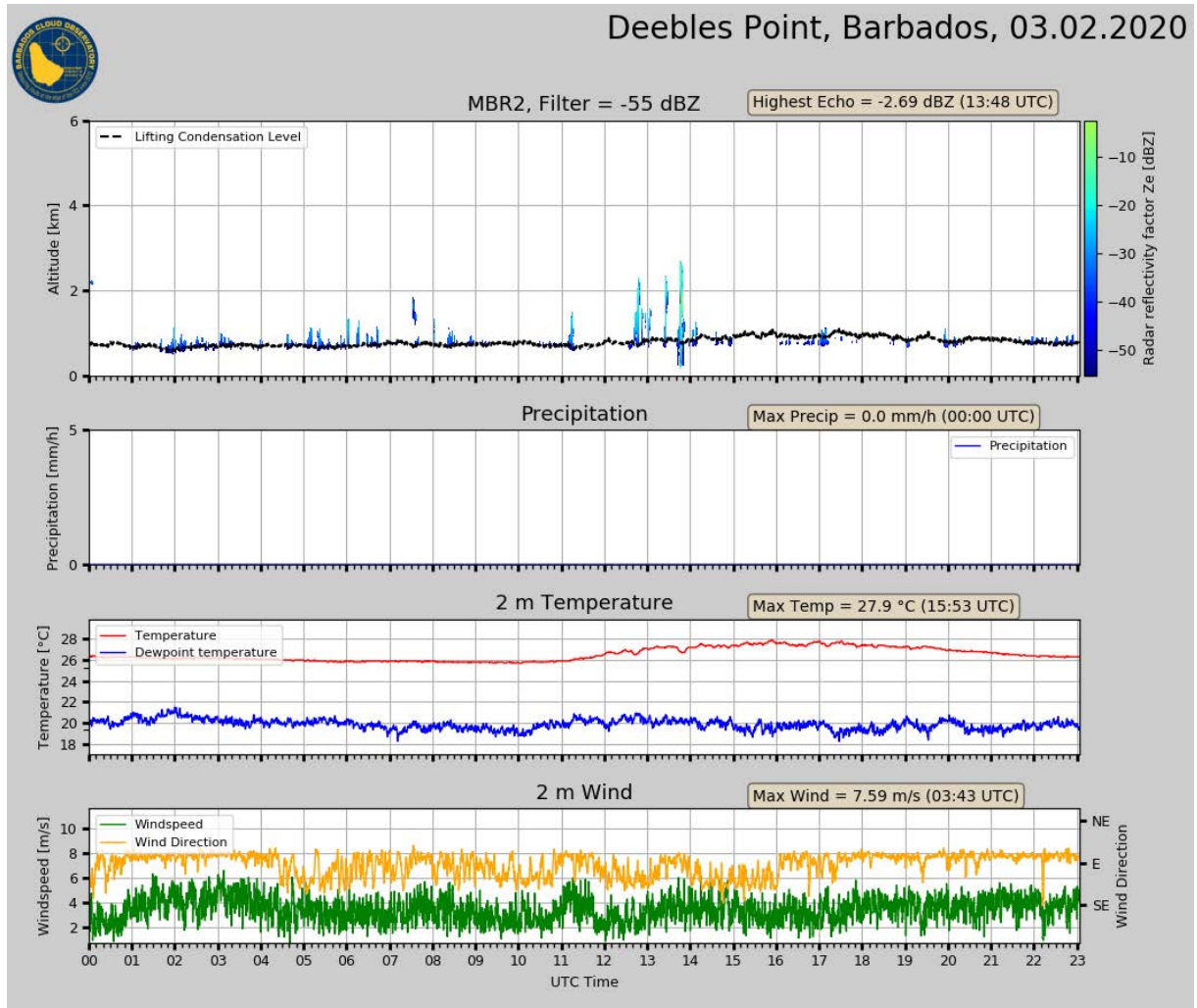
5. Figures



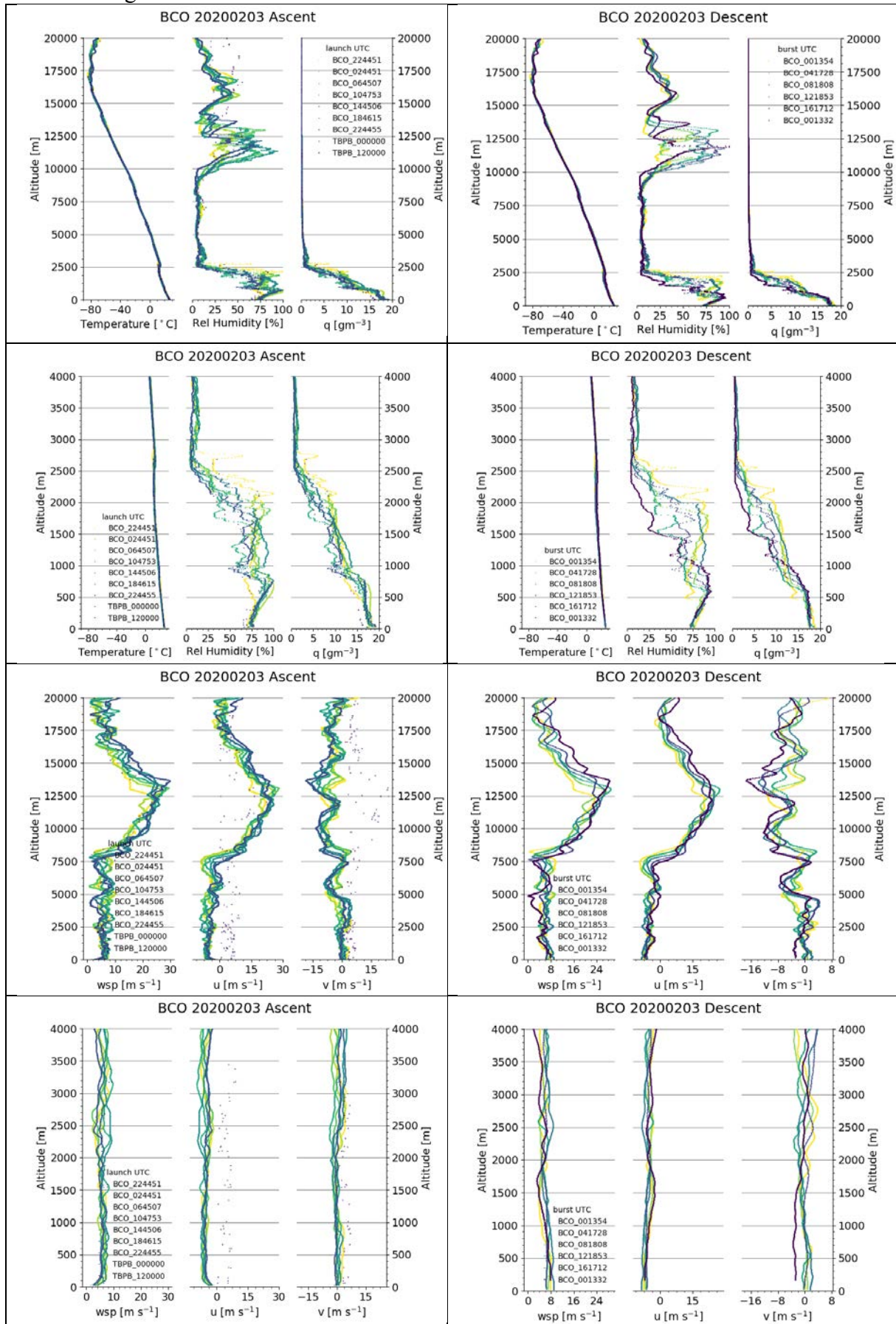
Radiation:



Ka-Band-Radar/Weathersensor

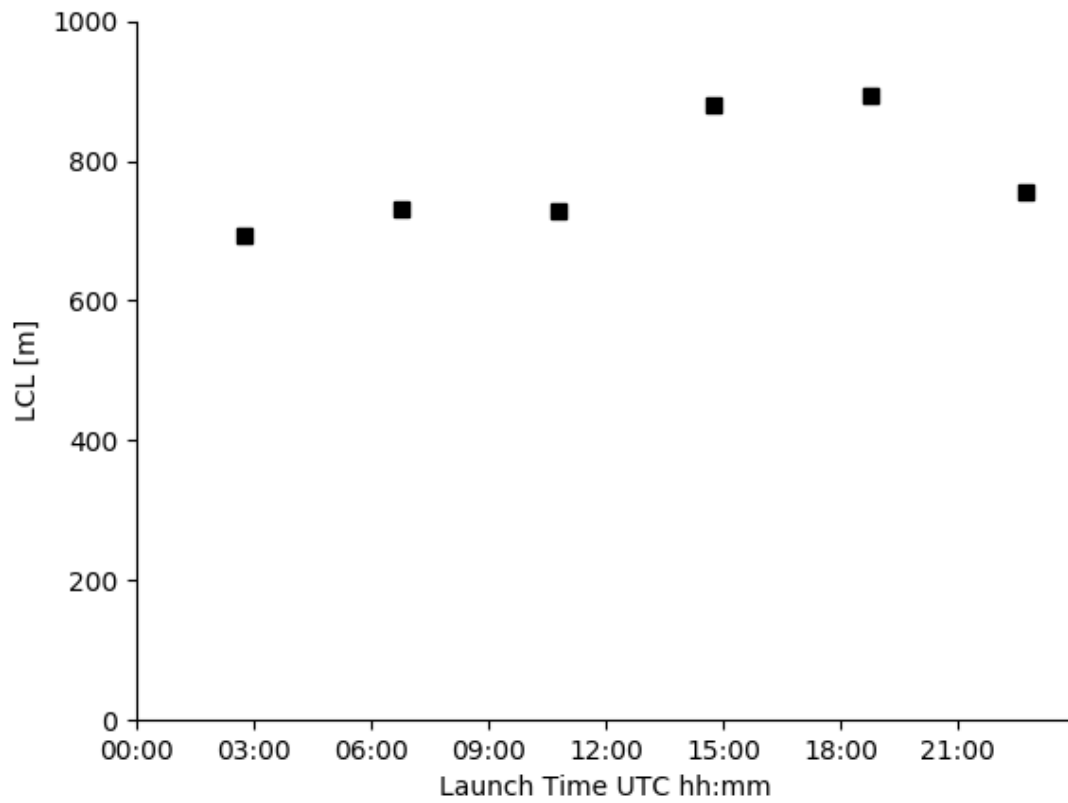


Radiosondings:

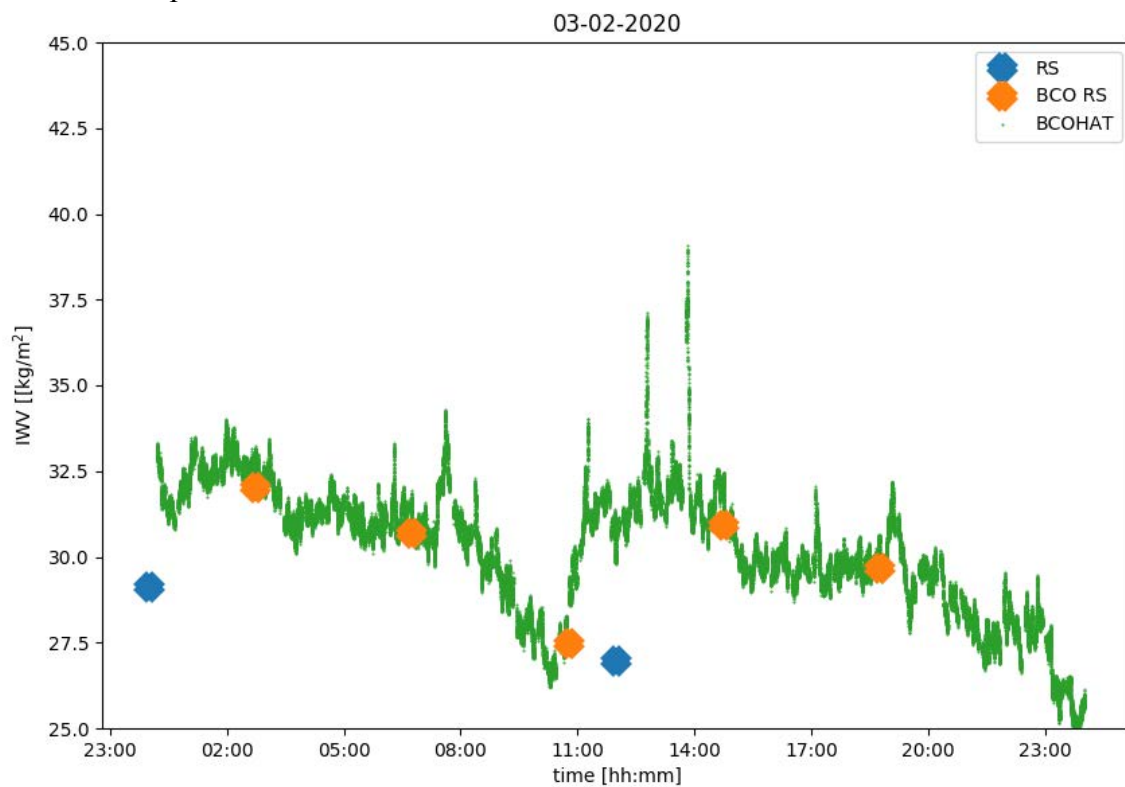


LCL from Radiosondes:

BCO 20200203 Ascent



IWV Intercomparison:



Interesting backscatter profile from Raman Lidar:

Particle backscatter, 532nm, near range, res.: 120s, 60m-180m

