

# BCO-0124

BCO Team

## 1. Objective

Normal operation at the BCO with 4 hourly Radiosonde launching

## 2. Weather Overview

Calm easterly winds and some short rain events (as usual)

Field	Quantity	Notes
Temperature	Min: 23.2 Mean: 26.2 Max: 28	WeatherSensor WXT530
Rel. Humidity	Min: 69.1 Mean: 76.8 Max: 84.8	WeatherSensor WXT530
Windspeed 2m	Min: 0.3 Mean: 4.0 Max: 8.6	WeatherSensor WXT530
Winddirection	EastSouthEast	WeatherSensor WXT530

## 3. Instrument Status

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

EUREC4A-ISO: running

MPI-C Ragged Point:

Size resolved CCN measurements with 5 supersaturations and 16 diameter per supersaturations are running. A full scan takes 2.5 h.

SMPS and EDM measurements providing aerosol size distributions with a 5 min. time resolution are running.

CPC measurements with a 1 Hz time resolution are running.

EUREC4A-UK Ragged Point: All aerosol instruments operational.

PoldiRad: Container with Poldira on Site, now powerful hands are needed

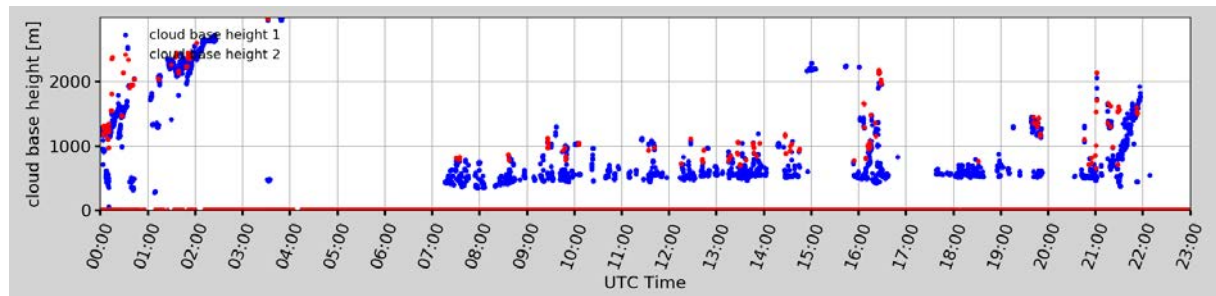
WetDepositionSampler TU Darmstadt: running

## 4. Outlook

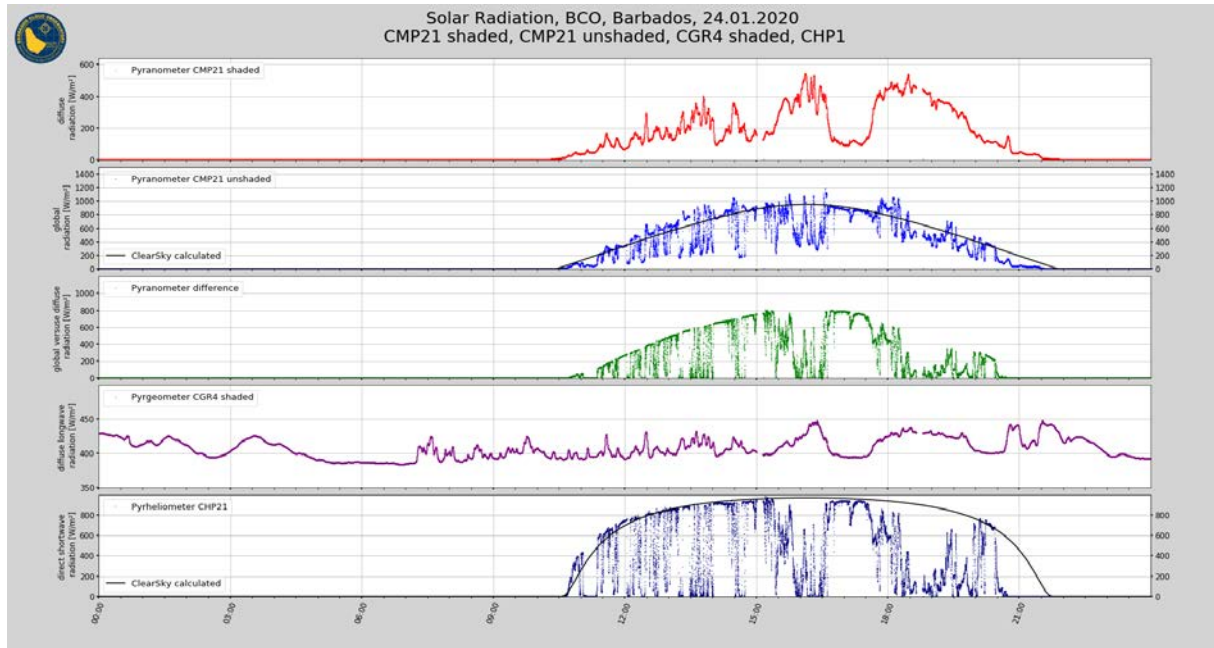
As normal operation as possible...

## 5. Figures

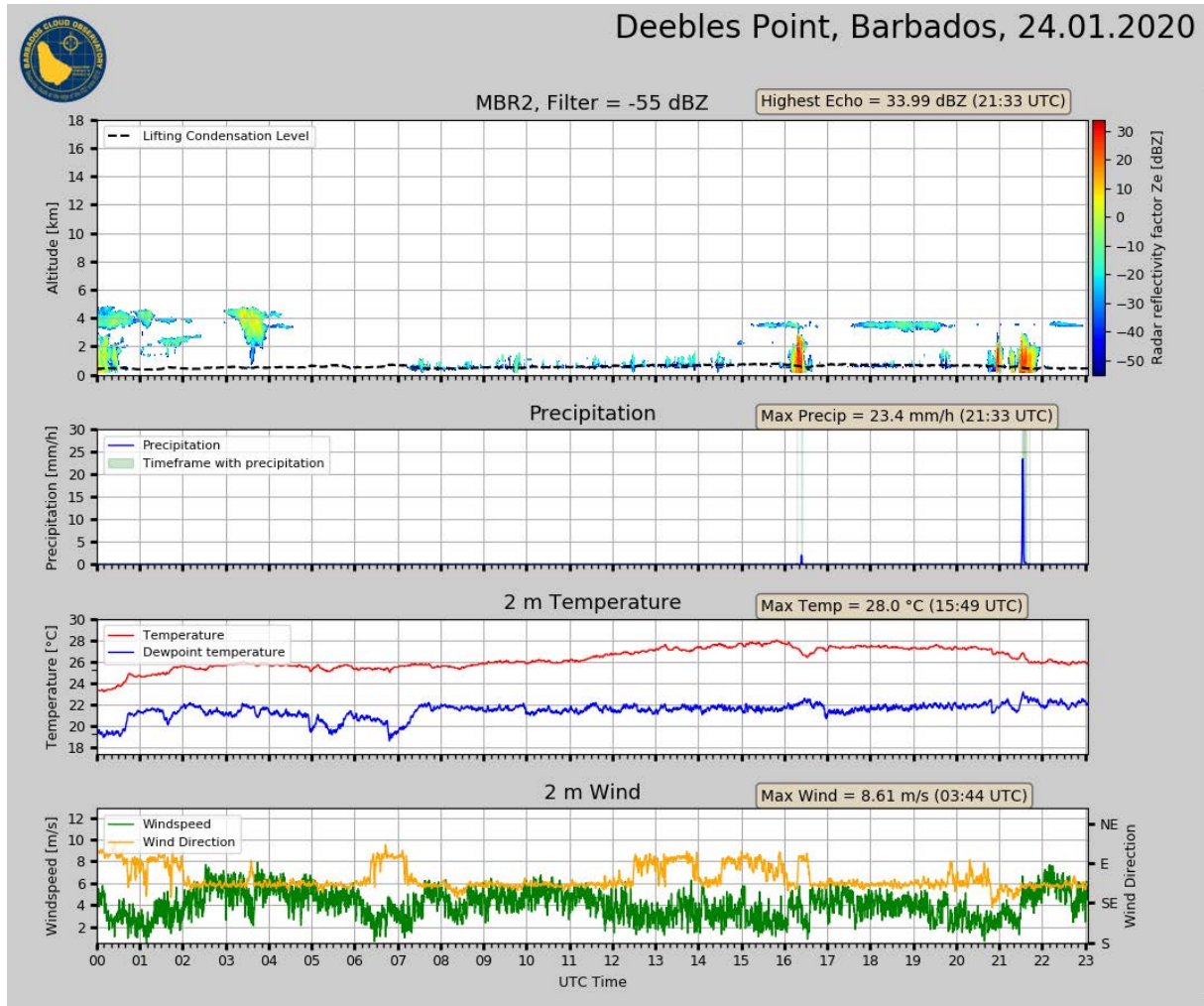
CBH Ceilometer



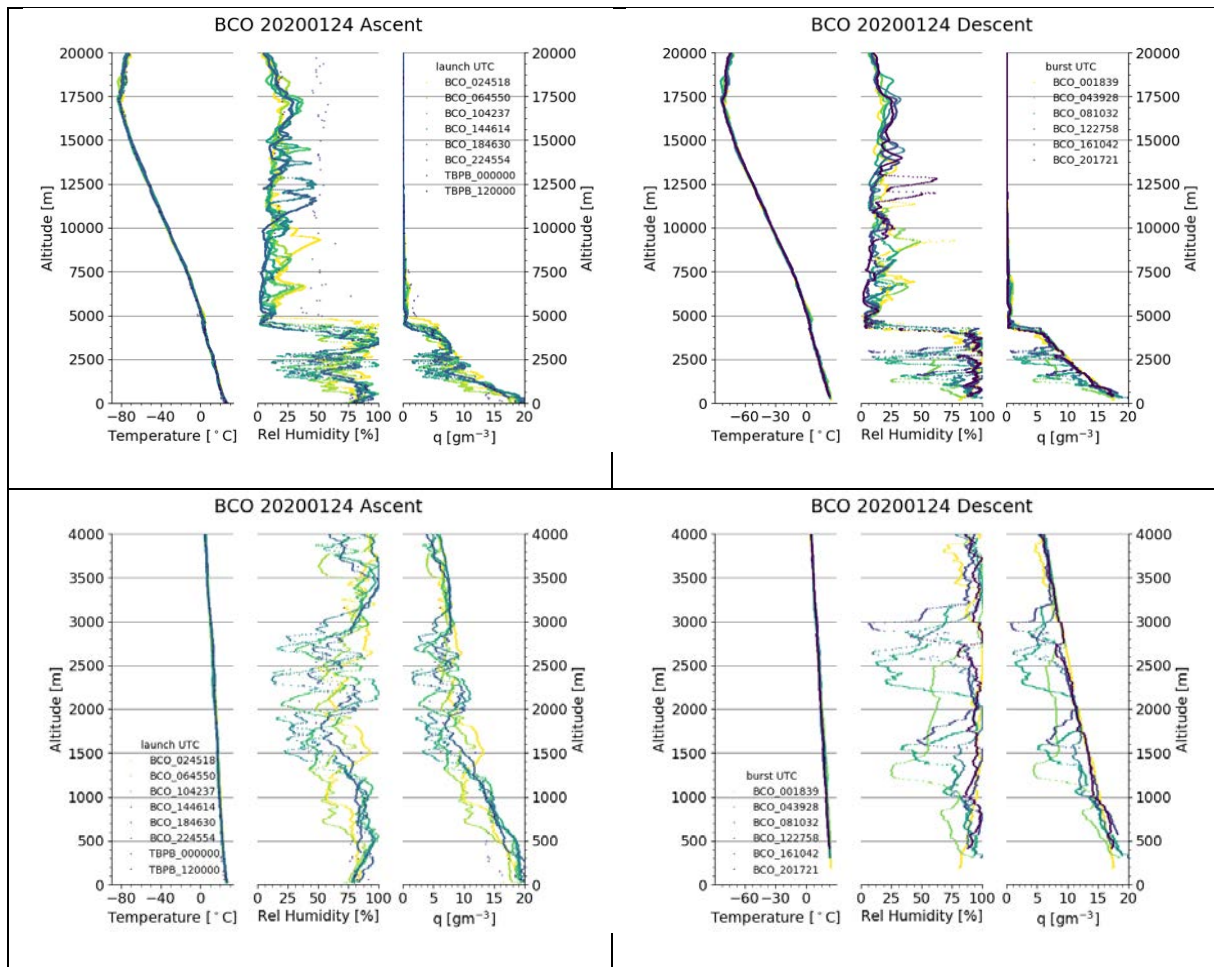
## Radiation:



## Ka-Band-Radar/Weathersensor



# Radiosondes



## BCO 20200124 Ascent

