

T3.1: Dataset from one pandora system deployed at PMOD/WRC

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Pandora operation at PMOD/WRC

The Pandora #120 was installed at PMOD/WRC on 4 April 2016. Due to technical failures the system was not operational until November 2016. Several site visits by Luftblick personnel was necessary to get the system functional. The system has been in continuous operation since November 2016, with only minor disruptions. Measurement data is available for 505 days, and can be found on the pandonia web server at: <http://data.pandonia.net/PMOD/Pandora120/>

Pandora #120 was continuously supported and maintained:

- Daily checking on operation
- Daily inspection and cleaning of the optics
- Remote operation checking by Pandonia personnel

In the period February 23 2017 to April, 13, 2017 P#120 was moved to the optical laboratory of PMOD/WRC for calibration and characterisation (see deliverables TD 5.1, TD5.2, TD5.3, and TD5.4).

Currently P#120 is operated outdoors alongside the reference instruments of PMOD/WRC for total column ozone (Br#163, traceable to the World reference Triad maintained by the RBCC-E in Izaña, Tenerife, and PFR triad representing the WMO reference for aerosol optical depth). The quality controlled data of Br#163 and of the PFR Triad are available from the WMO GAW databases WOUDC and WDCA respectively).