

File Revision Date:

September 1, 2022

Data Set Description:

PI: Voltaire A. Velazco  
Instrument: Brewer  
Site(s): Hohenpeissenberg, German National Meteorological Service (DWD)  
Measurement Quantities: Total column ozone

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Reference Articles:

Brewer, A replacement for the Dobson spectrophotometer, Pure and Applied Geophys., 106-108, 919-927, 1973

Instrument Description:

Brewer No. 010.

Algorithm Description:

Original Brewer algorithm as described in manual and used in the original program

Expected Precision/Accuracy of Instrument:

Same or better than Dobson Instrument.

Instrument History:

1983 Installation  
1984 Start of regular observations  
1984 – 1993 Sporadic calibrations by IOS, at least every two years  
since 1994: Regular calibrations each year

2018	International calibration at MOHp
2019	Start of long-term intercomparison with BTS-spectrometer (Gigahertz Optics)
2021	Continuous side-by-side operations with BTS, new PI