

File Revision Date:

February 28, 2018

Data Set Description:

PI: Matt Tully
Instrument: Dobson
Site(s): Darwin, Bureau of Meteorology
Measurement Quantities: Total column ozone

Contact Information:

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Reference Articles:

"Operations handbook - ozone observations with a Dobson spectrophotometer", W.D. Komhyr, Global Ozone Research and Monitoring Project. Report 6, World Meteorological Organization, Geneva, 1980.

Instrument Description:

Dobson Ozone Spectrophotometer number 78

Algorithm Description:

Uses algorithm set out in "Operations handbook - ozone observations with a Dobson spectrophotometer", W.D. Komhyr, Global Ozone Research and Monitoring Project. Report 6, World Meteorological Organization, Geneva,1980.

Uses Bass/Paur (1992) ozone absorption coefficients.

Expected Precision/Accuracy of Instrument:

"Review of the Dobson spectrophotometer and its accuracy", Reid E. Basher, Global Ozone Research and Monitoring Project. Report 13, World Meteorological Organization, Geneva,1982.

Instrument History:

Dobson #078 referenced to Regional Standard 1989, 1994, 1998, 2002, 2011, 2016