File Revision Date:
September 27, 2024

Data Set Description:

PI:	Ruud Dirksen (prior to September 2024, PI: Peter Oelsner)
Instrument:	ECC Ozonesonde
Site(s):	Lindenberg, Germany (Deutscher Wetterdienst, GRUAN Lead Centre)
Latitude:	52.21 N
Longitude:	14.12 E
Altitude:	112 AMSL

Measurement Quantities: Ozone partial pressure, Temperature, Relative humidity, Pressure, Geopotential height, Longitude, Latitude

Data Version description:
V01: Formatted Vaisala MW41 sounding system results / no recalculation. From January 1, 2024 residual ozone from satellite ozone climatology (McPeters, R.D. and Labow G.J., 2012) instead of constant ozone mixing ratio method. From June 13, 2024, background current subtraction constant instead of pressure depend.

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DOI:
N/A

Reference Articles:
N/A

Instrument Description:

Ozonesonde:	Science Pump ECC, SST1% (1% KJ) and full buffer, sensing solution volume 3 cm^3
Radiosonde:	Vaisala RS41-SGP

Algorithm Description:
Vaisala MW41 sounding system algorithms.

Expected Precision/Accuracy of Instrument:
N/A

Instrument History:
Science Pump ECC6a since January 24, 2001