NOAA Earth Systems Research Laboratory-Global Monitoring Division: Surface Ozone Program

The following information describes the data format for the surface ozone mixing ratio data available on this directory. The data that is contained in this directory are to be used for scientific and educational purposes only. This data is available given that the providers will be cited and co-authorship will be offered when there is substantial use of the data. For all users, acknowledgement must be given to data providers when these data are used in a publication.

If you have questions, please contact:

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Please consult the following article in Atmospheric Environment for information on the stations and for referencing the data: Oltmans, SJ and Levy II, H, Surface ozone measurements from a global network, Atmos. Environ., 28, 9-24, 1994.

Data Disclaimer: Data is available from NOAA-GMD and WDCGG. Data provided by GMD surface ozone program have undergone thorough evaluation and extensive quality checks. However, there exists the potential for these data to be modified at the discretion of NOAA/ESRL/GMD.

Data Format

The data are one-minute, five-minute, or hourly averaged files and are in UTC times (GMT). The data files have names that begin with a three-letter station identifier followed by the constituent, inlet height, averaging time (one and five minute are both designated by "min"), month, and year.

Local Standard Time Files

Local Standard Time (LST) files were created for user convenience and are zipped together for each year.

The LST files have names that begin with “lst\_”, the three letter station identifier, constituent, inlet height, and year. (Example: lst\_wkt\_o3\_6m\_2011.zip). The user can use 7Zip or a similar program to unzip the files. Once unzipped, the files have data formats as above. The file names are also similar as above, except with an “lst\_” prefix.

All year data format:

(stn)ptsoz

Hourly Averages are displayed by date for each month.

These files also provide daily and monthly means as well as maximum ozone mixing ratio values.

#Content

WDCGG, Surface Ozone, 1

#Data\_Generation

2013-12-31, NOAA/ESRL/GMD,1.0,Audra McClure-Begley

#Platform

STN, 347, Niwot Ridge Tundra Lab (Saddle) Colorado, USA, TUN

#Instrument

Thermo-Scientific Ozone Monitor, 49c, 1765

#Location

40.053, -105.586, 3523.0m

#Time

2003-10-01 to Current, UTC-7

#Sampling

Continuous UV absorption, 6m inlet

#Contributors

University of Colorado-Mountain Research Station