

This adjusted dataset uses only one satellite for each time period defined as follows:

Satellite	Satellite dates
Nimbus 7	10/31/78 – 5/31/89
NOAA 11	6/1/89 – 12/31/93
NOAA 9	1/1/94 – 6/30/97
NOAA 11d	7/15/97 – 12/31/00
NOAA 16	1/1/01 – 12/31/03
NOAA 17	1/1/04 – 12/31/05
NOAA 18	1/1/06 – 12/31/10
NOAA 19	1/1/11 – 12/31/13
NPP/OMPS	1/1/14 – present

Daily zonal averages appear one file per year. File names contain satellite name and year of data.

Daily Mixing ratio files are organized as:

Four lines of column headers

Year, day of year

Zone center1, # data profiles included in zonal average, Average latitude of profiles, average solar zenith angle, average total ozone, average reference, average aerosol index, average ResQC quality factor

Profile data (15 for mixing ratio)

Zone center2, # data profiles included in zonal average, Average latitude of profiles, average solar zenith angle, average total ozone, average reference, average aerosol index, average ResQC quality factor

Profile data (15 for mixing ratio)

Daily Dobson layer files are organized as:

Four lines of column headers

Year, Day of year

Zone center1, # data profiles included in zonal average, Average latitude of profiles, average solar zenith angle, average total ozone, average reference, average aerosol index, average ResQC quality factor

Profile data (13 layers)

Zone center2, # data profiles included in zonal average, Average latitude of profiles, average solar zenith angle, average total ozone, average reference, average aerosol index, average ResQC quality factor

Profile data (13 layers)

Note for adjusted pressure layer files, the total ozone is set to its missing value

Missing data indicator for mixing ratio profile data is:99.

Missing data indicator for total ozone is 999.9

Missing data indicator for layer profile data is:999.

Zones are every 5 degrees centered on -87.5, -82.5,..., 82.5, 87.5.:

Dobson layer bottoms are: 'surf', '64', '41', '25', '16', '10', '6', '4', '2.5', '1.6', '1', '.64', '.41'

Pressure levels are '.5', '.7', '1', '1.5', '2', '3', '4', '5', '7', '10', '15', '20', '30', '40', '50'