

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

Monthly zonal averages appear one file per year.

Mixing ratio files are organized as:

Year, month

Zone center1, # data days in zonal average

Profile data (15 for mixing ratio)

Zone center2, # data days in zonal average

Profile data (15 for mixing ratio)

etc

Monthly Dobson layer files are organized as:

Year, month

Zone center1, # data days in zonal average, 99.99, average_sza, total_ozone

Profile data (13 layers)

Zone center2, # data days in zonal average, 99.99, average_sza, total_ozone

Profile data (13 layers)

etc

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

Missing data indicator for average_sza is 99.99

Missing data indicator for total_ozone is 999.9

Missing data indicator for layer profile data is:999.

Zones are every 5 degrees with centers 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'