

Flag Value	Source
1	SAGE II
2	CLAES empirically scaled to 1020 nm
3	HALOE empirically scaled to 1020 nm
4	Equivalent latitude reconstruction
5	ASAP-based tropical lidar fill data for the Pinatubo period, it is used in part in the June 1991 to September 1991 period
6	Pinatubo June fix where data from May 1991 is used where no SAGE II observations occur rather than interpolating between very clean May 1991 and very volcanic July 1991
7	525 estimates from valid 1020 nm data
8	CALIPSO converted to 525 nm extinction using a backscatter to extinction ratio of 53.
9	OSIRIS 525 nm data set scaled by 0.8
11/12	Linearly interpolated from points within 2 months. No additional interpolation involving altitude or latitude is included
13	Values at 1020 nm estimated from OSIRIS and/or CALIPSO previously inferred at 525 nm
14	SAM II/SAGE data from January 1979 through December 1981
15	Replicated (same value) downward in Lidar period (1982–1984); mostly only below 10 km and at higher latitudes
16	1000 nm SAM II extinction and extinction inferred from airborne and ground-based lidar (January 1982 and October 1984)
17	Mean of OSIRIS and CALIPSO scaled as above
20	High-altitude climatology; average of data between 1984 and 1990 and between 1995 and 2005
21	Quality controlled data, values removed and interpolated across.
22	Some individual holes in otherwise continuous data patched using adjacent grid spots
23	Replicated (same value) downward in early OSIRIS/CALIPSO era; mostly below 10 km or so and at higher latitudes
24	Estimated 525 nm data where 1020 nm data exists during the Pinatubo period
25	Smoothed tropical OSIRIS data in June 2005 due to some anomalous behavior; a quality control activity
26	November and December 2016 are replicated data from October 2016 due to missing data