Ozone Profile Data (OPD)

The external ancillary data product, Ozone Profile Data (OPD), is input to the CERES Regrid Meteorological, Ozone, and Aerosol Data Subsystem. The OPD is the source of total column ozone data. Daily files for NCEP/Stratospheric Monitoring-Group Ozone Blended Analysis (SMOBA) data are the primary input data source. These data have a 2.5° latitude x 2.5° longitude equal-angle horizontal resolution on 24 vertical profile levels and total column values. As a backup source, daily data from Earth Probe-Total Ozone Mapping Spectrometer (EP-TOMS) may be used. These data have a 1.25° latitude x 1.25° longitude equal-angle horizontal resolution of *only* total column values. The Regrid Meteorological, Ozone, and Aerosol Data Subsystem interpolates these data temporally, horizontally and vertically to conform with CERES processing requirements. OPD file sizes are shown in Table 1.

Level: 3

Type: Ancillary

Frequency: Daily

Time Interval Covered

    File: Daily

    Record: Daily

Portion of Globe Covered

    File: Global

    Record: One region

Portion of Atmosphere Covered

    File: 300hPa to TOA

Table 1.   OPD File Sizes

Source	Size (Daily)
SMOBA	2.430 MB
EP-TOMS	0.163 MB

OPD Revision Record

The product Revision Record contains information pertaining to approved section changes. The table lists the date the Software Configuration Change Request (SCCR) was approved, the Release and Version Number, the SCCR number, a short description of the revision, and the revised sections. The authors are listed on the document cover.

OPD Revision Record

SCCR Approval Date	Release/ Version Number	SCCR Number	Description of Revision	Section(s) Affected
N/A	R3V1	N/A	• Updated format to comply with standards.	All
			• The EOSDIS Product Code line was removed from the document. (6/17/2008)	Sec. 4.9
			• Section numbering was changed due to insertion of the VIIRS DPC. (9/17/2008)	All
			• The ASDC footer was added to the bottom of the document. (06/07/2013)	All
			• Eliminated section numbers from the Data Products Catalog. Specifically, in this document, section number 4.9 was removed. (12/19/2013)	All