

4.6 Aerosol Data (APD)

The ancillary data product, Aerosol Product Data (APD), is input to the CERES Regrid Meteorological, Ozone, and Aerosol Data Subsystem. The APD is the source of backup climatological total column aerosol optical depth data, and is made up of one data file for each month. The first record of each file is based on global three-hourly data provided by Dr. Rachel Pinker that are monthly averaged over two years. These averages are on a 2.5° equal-area grid.

The second record of each file is based on monthly data provided by Dr. Larry Stowe that are also averaged over two years. These averages are on a 1.0° equal-angle grid for the area between 70S and 70N. The Regrid Meteorological, Ozone, and Aerosol Data Subsystem interpolates these data horizontally to conform with the MOA horizontal grid, and then stores the value from one source on the MOA product.

Level: 3

Type: Ancillary

Frequency: Monthly

Portion of Globe Covered

File: Global

Record: One region

Time Interval Covered

File: Monthly

Record: Monthly

Portion of Atmosphere Covered

File: Total column

Table 4.6-1. APD File Sizes

| Source | Size (Monthly) |
|--|----------------|
| University of Maryland, College Park (Dept. of Meteorology) (Pinker) and NOAA/NESDIS (Stowe) | 406 KB |

APD 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.

APD Revision Record

| SCCR Approval Date | Release/Version Number | SCCR Number | Description of Revision | Section(s) Affected |
|--------------------|------------------------|-------------|---|---------------------------------------|
| N/A | R3V1 | N/A | <ul style="list-style-type: none"> • Updated format to comply with standards. • The EOSDIS Product Code line was removed from the document. (6/17/2008) • Section numbering was changed due to insertion of the VIIRS DPC. (9/17/2008) | <p>All</p> <p>Sec. 4.6</p> <p>All</p> |