# Documents

**TOOLKIT and related software Documentation/Users Guides**

- Online documentation (in .pdf format) for HDF-EOS, TOOLKIT, and some other related software
- Online documentation (in .pdf format) for HDF-EOS
  HDF-EOS Library User's Guide Volume 1: Overview and Examples
  HDF-EOS Library User's Guide Volume 2: Function ReferenceGuide.
- Online documentation (in .pdf format) for HDF-EOS5
  HDF-EOS Interface Based on HDF5, Volume 1: Overview and Examples
  HDF-EOS Interface Based on HDF5, Volume 2: Function Reference Guide.
- Latest version of HDF4 and HDF5 used in Toolkit related software
- Latest patches to HDF4 and HDF5 at The HDF Group.

**Upgrading Information**

- Information on Upgrading from Toolkit 5.2 to 5.2.1 has been assembled for Toolkit Users.
- Information on Upgrading from Toolkit 5.1.1 to 5.2 has been assembled for Toolkit Users.

**Leapsecond and Earth Motion file information**

- Current Leap Second and Earth Motion files are now available
- Current information regarding the Updating of leapseconds and utcpole files is now available

**Latest Planetary Ephemeris Data**

- Current Planetary Ephemeris is now available

**Documentation Information**

- Release 9 SDP Toolkit Users Guide (for Toolkit 5.2.20) is available as a link from this site.
- Release 8 MTD Toolkit Users Guide (for MTD Toolkit 5.2.19) is available as a link from this site.
- The more abbreviated online document for users is the SDP Toolkit Primer
- The document, "The Generation of Orbit Number and Equator Crossing Time and Longitude for EOSDIS" is available.
- Theoretical Basis of the SDP Toolkit Geolocation Package for the ECS Project has now been released to the science teams. This document gives the mathematics and geometry behind selected CBP, CSC and TD tools
- Errata/updates for this document are available.
- Documents on the Validation of the SDP Toolkit Earth Motion Software and its effect on Geolocation are available.
- A document describing the derivation of the TRMM attitude processing algorithm is available.

**Auxiliary documentation**

- Please check the SDP Toolkit Frequently Asked Questions (FAQ) and the historical Email which was sent to the user community to see if a specific question is answered that you may have.
- Please check the HDF-EOS FAQ, and the historical Email which was sent to the user community to see if a specific question is answered that you may have.