Where can I find more documentation about a dataset?

More documentation about a dataset can be found on the dataset's landing page. The figure below shows the landing page for the LIS/OTD 0.5 Degree High Resolution Annual Climatology (HRAC) dataset. At the bottom of the page there are links to the user guide, any PI documentation, software (if available), and related links to more information.

LIS/OTD 0.5 Degree High Resolution Annual Climatology (HRAC)

The product is a 0.5 deg x 0.5 deg gridded composite of total (IC+CG) lightning bulk production, expressed as a flash density (fl/km2/yr). Climatologies from the OTD and LIS missions are included, as well as a combined OTD+LIS climatology and supporting base data (flash counts and viewing times). Best-available detection efficiency corrections and instrument cross normalizations, as of the product generation date (09/01/06), have been applied.

Please include the following citation in your publications:

Cecil, Daniel J. 2006. *LIS/OTD 0.5 Degree High Resolution Annual Climatology (HRAC)* [indicate subset used]. Dataset available online from the NASA Global Hydrology Resource Center DAAC, Huntsville, Alabama, U.S.A.

DOI: https://dx.doi.org/10.5067/LIS/LIS-OTD/DATA301

Click here for the citation in RIS format.

Download Data | View Browse

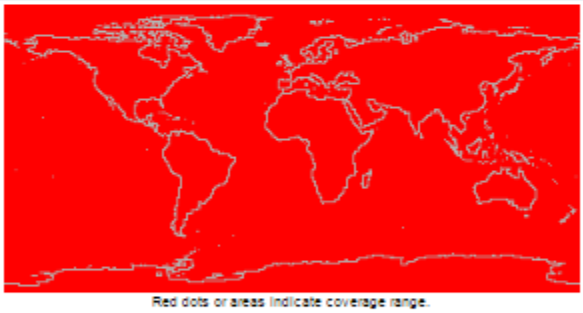
In order to increase security for NASA EOSDIS users and to provide a more uniform experience across data offerings, EOSDIS is making a change to the way in which NASA Earth Science data are downloaded. You now need to create and use an Earthdata Login to download or order GHRC data. Please read our Earthdata Login recipe page for help and additional information.

General Characteristics

Publication date: 2006-09-13
Version: 2.3.2014
Collections: Lightning Products, Lightning from Satellites
Projects: LIS
Platforms: Orb\View-1, TRMM
Instruments: LIS, OTD
Terms: ATMOSPHERIC ELECTRICITY
Processing level: 3
Format: HDF

Coverage

Location: GLOBAL
Spatial resolution: n/a
North boundary: 90°
West boundary: -180°
East boundary: 180°
South boundary: -90°
Temporal resolution: ANNUAL
Start date: 1995-05-04
Stop date: 2013-12-31



Red dots or areas indicate coverage range.

Links

GET DATA: https://ghrc.nsstc.nasa.gov/pub/lis/climatology/LIS-OTD/HRAC/data/
Files may be downloaded directly to your workstation from this link

VIEW IMAGES: https://ghrc.nsstc.nasa.gov/pub/lis/climatology/LIS-OTD/HRAC/animations/
Browse images illustrate the nature and coverage of the data

USER'S GUIDE: http://ghrc.nsstc.nasa.gov/uso/ds_docs/lis_climatology/LISOTD_climatology_dataset.html
The guide document contains detailed information about the dataset

PI DOCUMENTATION: https://ghrc.nsstc.nasa.gov/pub/doc/lis_climatology/LISOTD_Climo_prod_table.doc
Products in LIS-OTD gridded climatology files

ALGORITHM DOCUMENTATION: http://dx.doi.org/10.1016/j.atmosres.2012.06.028
ATBD

GET SOFTWARE PACKAGE: https://ghrc.nsstc.nasa.gov/pub/doc/lis_climatology/read_sds.pro
Read SDS Arrays From an A HDF file

GET SOFTWARE PACKAGE: https://ghrc.nsstc.nasa.gov/pub/doc/lis_climatology/getgrid.pro
reads an SDS grid from the LIS/OTD HDF climatology files

VIEW PROJECT HOME PAGE: http://lightning.nsstc.nasa.gov/data
The home page for the project or program which sponsored the dataset

DOI: https://dx.doi.org/10.5067/LIS/LIS-OTD/DATA301
Digital Object Identifier

COLLECTION DOI: https://dx.doi.org/10.5067/LIS/LIS-OTD/DATA311
Digital Object Identifier for a collection of related datasets

Citing data: https://ghrc.nsstc.nasa.gov/home/about-ghrc/citing-ghrc-daac-data
Instructions for citing GHRC data.

Add to order | Close window