

ASDC Tools and Services

Sarah Hafer-Martin

10/20/2023

Earthdata Search | Earthdata Search

search.earthdata.nasa.gov/search?lat=-0.0703125

EARTHDATA

Find a DAAC

EARTHDATA SEARCH

ASDC

Search for collections or topics

Calendar

Layers

Filter

Browse Portals

Filter Collections

Features

Available in Earthdata Cloud

Customizable

Map Imagery

Keywords

Platforms

Instruments

Organizations

Projects

9,224 Matching Collections

Showing 20 of 9,224 matching collections

ASF DAAC

CDDIS

GES DISC

GHRC DAAC

LAADS DAAC

LP DAAC

NSIDC DAAC

OB.DAAC

ORNL DAAC

PO.DAAC

SEDAC

SENTINEL-1A_SLC

1,548,346 Granules 2014-04-03 ongoing

Earthdata Cloud

No image available

SENTINEL-1B_SLC

785,393 Granules 2016-04-25 ongoing

Earthdata Cloud

No image available

ECOSTRESS Land Surface Temperature and Emissivity Daily L2 Global 70m V001

393,848 Granules 2018-07-09 ongoing

The ECOsystem Spaceborne Thermal Radiometer Experiment on Space Station

No image available

500 mi

Libya

Egypt

Saudi Arabia

Iran

Pakistan

India

Yem.

Chad

Sudan

Ethiopia

S. Sud.

Kenya

Dem. Rep. Congo

Tanz.

Ang.

Zambia

Zimb.

Nam.

South Africa

Mad.

v23.3.4-4

Search Time: 12.8s

NASA Official: Stephen Berrick

FOIA

NASA Privacy Policy

USA.gov

Earthdata Access: A Section 508 accessible alternative

ASDC | Home

asdc.larc.nasa.gov

EARTHDATA

Other DAACs ▾



Feedback



EARTHDATA
ASDC
Center

| Atmospheric Science Data

Search the ASDC site...

ABOUT DATA COMMUNITY OUTREACH RESOURCES

Direct Data Download

Find Data ↗

Browse Projects

Explore Collections

Tools and Services

Sub-Orbital Order Tool

OPeNDAP ↗

ArcGIS Portal ↗

Earthdata Search ↗

ASDC | Tools and Services

asdc.larc.nasa.gov/tools-and-services

ASDC TOOLS

Filter by capability:

Select All

Analyze

Download

Search

Service

Spatial

Subset

ArcGIS

Provides visualization and data access for
ASDC data products.

DISCOVERY

ACCESS

TRANSFORM

REFORMAT

REPROJECT

DISTRIBUTION

ASDC CALIPSO Subsetter

Provides search and subset capabilities for
CALIPSO Level 1, and select Level 2 Lidar
data. Search and subset by date, time,
parameter and geolocation - including
ESRI-defined regions

DISCOVERY

ACCESS

REFORMAT

ASDC CERES Subsetter

Provides search and subset capabilities for
CERES Level 2 SSF and FLASHFlux data.
Search and subset by date, time,
parameter, and geolocation.

DISCOVERY

ACCESS

REFORMAT

DISTRIBUTION

ASDC MOPITT Subsetter

ASDC TES Subsetter

CERES Subset/Visualization Tool

CALIPSO Search and Subsetting x +

subset.larc.nasa.gov/calipso/

 EARTHDATA Other DAACs ▾

 Feedback ?

 NATIONAL AERONAUTICS
and SPACE ADMINISTRATION

SEARCH

 CALIPSO Search and Subsetting Web Application Set Search Criteria Logout

Data Users Guide Data Products Catalog Data Quality Summaries Frequently Asked Questions

Step 1: Select a CALIPSO data product and parameter(s)

The data subset options include being able to select CALIPSO day and/or night granules, selecting data product types and choosing a down-selection of parameters to extract. Data parameters have been grouped together based on type and are listed in the left most window.

If you choose not to select parameters, then a default package (time, position, and other ancillary information) is put into the resulting output file. The selected parameter grouping(s) are added to the center window. The far right window displays the complete listing of the data parameters that will be included in your output file.

Users wanting all data variables in the file must select all parameter groupings.

Choose Granule Type:

Choose Data Product:

Choose Parameter Group(s):
Instrument
532nm Calibration
1064nm Calibration
532nm Backscatter
4nm Backscatter
nm Reflectance
nm Surface Characterization
4nm Surface Characterization

Add Add all Remove Remove all

Selected Parameter Group(s):

Data variables included in the output file:
Default
Latitude
Longitude
Day_Night_Flag
GMAO_Surface_Elevation
IGBP_Surface_Type
Land_Water_Mask
Off Nadir Angle

157673 file(s) found.
(3.00 seconds)

Step 1: Select a CALIPSO data product and parameter(s)

The data subset options include being able to select CALIPSO day and/or night granules, selecting data product types and choosing a down-selection of parameters to extract. Data parameters have been grouped together based on type and are listed in the left most window.

If you choose not to select parameters, then a default package (time, position, and other ancillary information) is put into the resulting output file. The selected parameter grouping(s) are added to the center window. The far right window displays the complete listing of the data parameters that will be included in your output file.

Users wanting all data variables in the file must select all parameter groupings.

Choose Granule Type:

Day

Night

Both

Choose Data Product:

LIDAR Level 1 Version 4.51

Choose Parameter Group(s):

Instrument

532nm Calibration

1064nm Calibration

532nm Backscatter

1064nm Backscatter

532nm Reflectance

532nm Surface Characterization

1064nm Surface Characterization

Atmospheric

Spacecraft and Footprint

Add

Add all

Remove

Remove all

Selected Parameter Group(s):

Atmospheric

Data variables included in the output file:

Default

Latitude

Longitude

Day_Night_Flag

GMAO_Surface_Elevation

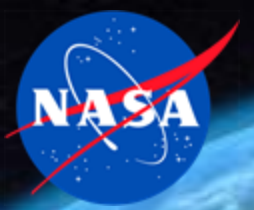
IGBP_Surface_Type

Land_Water_Mask

Off_Nadir_Angle

Profile_ID

Profile_Time



Subsetters



Step 2: Select a temporal range (optional)

Use the temporal options to narrow your search to a specific temporal domain. If you do not make a temporal selection, the default is to search the complete range of time in which the satellite has acquired data. If you limit your search to a specific time domain, the search will return all available data that intersect with your selected time range.

Calendar dates

Orbit number

Calendar dates

The CALIPSO satellite began nominal operations on June 13, 2006. The dates reflected in the calendar will represent the range in which the satellite has been in data acquisition mode.

From 2022-06-12 to 2022-10-20

Step 3: Select a geospatial range (optional)

Use the geospatial options to narrow your search to a specific geospatial area. If you do not make a geospatial selection, the default is to search the whole globe. If you limit your search to a specific area, the search will return all available data that intersect with your selected area.

User-defined bounding box

User-defined lat/long/radius

ESRI-defined regions

User-defined bounding box

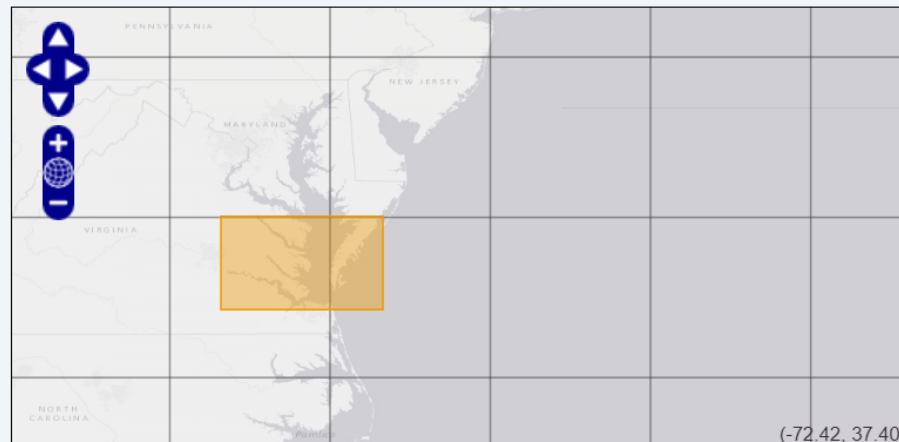
Modify the geospatial fields to specify your area of interest, or use your mouse directly on the map to draw a bounding box by clicking and dragging. The map uses latitude/longitude bounds (north, south, east, and west) to define the area of a box. If you use the mouse to draw the area on the map, the fields are filled in automatically, based on the box drawn.

Latitudes and longitudes are in Decimal Degrees (DD) format.

Use: '+' for north latitudes or east longitudes; use '-' for south latitudes or west longitudes. Example: +40.68, -74.04

To cross the anti-meridian, left must be greater than right. Example: (left) +148.64, (right) -115.73

Top
38.0138
Left -77.3609 Right -75.3394
Bottom
36.8492



25 file(s) found.
(1.68 seconds)

CALIPSO Search and Subsetting

subset.larc.nasa.gov/calipso/

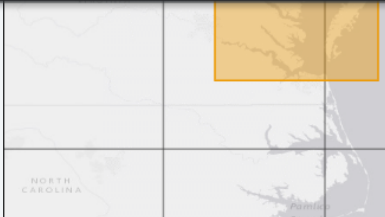
Top
38.0138

Left -77.3609 Right -7

Bottom
36.8492

subset.larc.nasa.gov says
Submitting request for 25 files.

OK Cancel


NORTH CAROLINA
(-72.42, 37.40)

Logout Reset Request Query Confirm Request

CALIPSO Search and Subsetting

+

subset.larc.nasa.gov/calipso/confirm_request.php

☆

☒	CAL_LID_L1-Standard-V4-51.2022-09-28T19-02-53ZD.hdf View browse image segment: [1][2][3][4]	D	87417	87418	111	127	2022-09-28 19:02:50.616	2022-09-28 19:56:04.5554
☒	CAL_LID_L1-Standard-V4-51.2022-10-03T08-15-11ZN.hdf View browse image segment: [1][2][3][4]	N	87484	87484	-14	14	2022-10-03 08:15:07.533	2022-10-03 09:00:18.6194
☒	CAL_LID_L1-Standard-V4-51.2022-10-06T19-03-47ZD.hdf View browse image segment: [1][2][3][4]	D	87534	87535	111	127	2022-10-06 19:03:43.119	2022-10-06 19:57:04.5014
☒	CAL_LID_L1-Standard-V4-51.2022-10-11T08-16-01ZN.hdf View browse image segment: [1][2][3][4]	N	87601	87601	-14	14	2022-10-11 08:15:58.671	2022-10-11 09:01:03.0614
☒	CAL_LID_L1-Standard-V4-51.2022-10-14T19-04-26ZD.hdf View browse image segment: [1][2][3][4]	D	87651	87652	112	127	2022-10-14 19:04:22.359	2022-10-14 19:57:47.4614
☒	CAL_LID_L1-Standard-V4-51.2022-10-19T08-16-35ZN.hdf View browse image segment: [1][2][3][4]	N	87718	87718	-14	14	2022-10-19 08:16:33.447	2022-10-19 09:01:34.1174

Showing 1 to 25 of 25 entries

First
Previous
1
Next
Last

Select All

Deselect All

Logout

Cancel Request

Download File Listing

Download Request XML

Submit Request to ASDC

BROWSE IMAGES

Expedited Browse

Nominal Browse

Wide Field Camera (WFC) Browse

Imaging Infrared Radiometer (IIR) Browse

DATA

Data User's Guide

Atmospheric Science Data Center (ASDC)

Search and Subsetting Web Application

DOCUMENTATION

Algorithm Thesis Basis Documents (ATBD)

Data Products Catalog

Data Quality Summaries

Data Read Software

Peer Reviewed Papers

TOOLS

Search and Subsetting Web Application

Ground Track Files

Satellite Overpass Predictor

OTHER

CloudSat Home Page

Frequently Asked Questions

Educational Outreach

Project Partners

Contacts

ABOUT CALIPSO

Overview

A-Train Constellation

Science Objectives

CALIPSO Payload

Instrument Status



NASA Official:

Charles R. Trepte

Last Updated:

September 25, 2023



User Forum

ASDC | Home

asdc.larc.nasa.gov

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ASDC
Center

| Atmospheric Science Data

Search the ASDC site...

ABOUT DATA **COMMUNITY** OUTREACH RESOURCES

Earthdata Forum
Frequently Asked Questions

The main content area of the website features a large, high-quality aerial photograph of the NASA Langley Research Center. The image shows the extensive complex of buildings, parking lots, and the adjacent airport runway, all set against a backdrop of rolling hills and a clear sky.

Earthdata Forum - Home

forum.earthdata.nasa.gov

and other contributors, discuss research needs, data, and data applications.

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It is currently Tue Oct 03, 2023 10:20 am America/New_York

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Search for keywords, tags...

Discipline

DAAC

Major Projects

Services/Usage

Select

Select

Select

Select

Selected Tags:

Submit

What do these tags mean?

Forum

Questions

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Last post

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Home

It is currently Tue Oct 03, 2023 10:30 am America/New_York

Last visit was: Tue Oct 03, 2023 10:28 am America/New_York

Post a New Question

Search

Search for keywords, tags...

Discipline

DAAC

Major Projects

Services/Usage

Select

Select

Select

Select

Select

Atmosphere

Biogeochemical Dynamics

Calibrated and Solar Radiance

Cryosphere

Human Dimensions

Hydrology

Land

Ocean

Space Geodesy

Techno-Solid Earth

Synthetic Aperture Radar

Terrestrial Ecology

Submit

What do these tags mean?

For

Questions

Comments

Use this Forum to find information on, or ask a question about, NASA Earth Science data.

Questions	Posts	Last post
3902	14994	Re: Issue while uploading zip... by ASDC - cheyenne.e.land

Search

Search for keywords, tags...



Discipline



Select



DAAC



Select



Major Projects



Select



Services/Usage



Select



Selected Tags:

Atmosphere x

ASDC x

Data Processing x

Submit

[What do these tags mean?](#)

Questions/Comments - Earthdata x +

forum.earthdata.nasa.gov/viewforum.php?f=7&tagMatch=all&Discipline=7&DAAC=1&ServicesUsage=84&keywords=&

Home < Questions/Comments

Questions/Comments

QUICK FILTERS

What do these tags mean?

FILTER BY ANSWERED ^

FILTER BY TEXT ^

SELECTED TAG MATCH v

ANY HYBRID ALL

i

FILTER BY DISCIPLINE v

☒ Atmosphere

Announcements

Building Infrastructure Data Sets for Disaster Risk Modeling

i GCMD Keywords Version 16.8 Released

i NASA Shares First Images from the TEMPO Mission

i NASA Announces Launch Service for PREFIRE

i SOLVE Release Announcement

i Official End of CALIPSO Science Mission

Post New Question

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Questions and Comments	Replies	Last post
Which band is used in particle size retrievals in SatCORPS? ASDC Atmosphere CERES Data Processing	4	by ASDC - David W. Wed Sep 13, 2023 3:23 pm America/New_York