



IDN Update

CEOS WGISS-48

VAST Campus, Hanoi, Vietnam, October 8 to 11, 2019

Hosted by Vietnam National Space Center (VNSC) –

Vietnam Academy of Science and Technology (VAST)

Michael Morahan

IDN Coordinator

Michael.P.Morahan@nasa.gov



Outline

- **Demonstration of the New IDN Search Client**
- **Status of the draft Metadata Management Tool (dMMT) DEMO**
- **IDN Metrics**



I. Demonstration of the New IDN Client DEMO



New IDN Client Overview

- WGISS Actions: WGISS-47-17a and WGISS-47-17b
- Deploy on Production (OPS) server by the end of this year.
- Features:
 - Collection Searches: Free-text, Temporal, Spatial and Search by Facets
 - Map/Spatial tools to configure/position the map and change the projection.
 - Brief and extended collection information displays
 - Granule results and selected granule overlay

Demonstration of the New IDN Client

EARTHDATA Find a DAAC ▾

CE S IDN Search

Browse Collections ✕

Features ▾

- Map Imagery
- Near Real Time
- Customizable

Keywords <

Platforms <

Instruments <

Organizations <

Projects <

Processing levels <

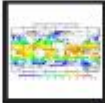
Type any topic, collection, or place name 🔍

Show Tour Earthdata Login

32,668 Matching Collections

Sort by: Relevance ▾ ☐ Only include collections with granules ☒ Include non-EOSDIS collections

Tip: Add + collections to your project to compare and download their data.

 **GHRSSST Level 2P OSPO dataset v2.61 from VIIRS on the NOAA-20 satellite (GDS v2) (GDS version 2)** ⓘ +

Int'l / Interagency • 2018-11-07 ongoing • NOAA-20 (N20/JRSS-1/J1) is the second satellite in the US NOAA latest generation Joint Polar Satellite System (JPSS). N20 was launched on November 18, 2017. In conjunction with the first US satellite in JPSS series, Suomi National Polar-orbiting Partnership (S-NPP) satellite launch...

CWIC 10.25921/ats7-9588 v2.61 - DOC/NOAA/NEEDS/NCEI

 **GHRSSST Level 2P Atlantic Regional Skin Sea Surface Temperature from the Spinning Enhanced Visible and InfraRed Imager (SEVIRI) on the Meteosat Second Generation (MSG-3) satellite (GDS version 2)** ⓘ +

Int'l / Interagency • 2013-08-01 to 2018-02-20 • The Meteosat Second Generation (MSG-3) satellites are spin stabilized geostationary satellites operated by the

v 1.101.0 • Search Time: 2.3s • NASA Official: Stephen Bernick • FOIA • NASA Privacy Policy • USA.gov

Earthdata Access: A Section 508 accessible alternative



New IDN Client: Search

 EARTHDATA

Find a DAAC -

CE S IDN Search

Browse Collections

Features

- Map Imagery
- Near Real Time
- Customizable

Keywords

Platforms

Instruments

Organizations

Projects

Processing levels

Type any topic, collection, or place name

Search

Use Earthdata Search's natural language processing-enabled search tool to quickly narrow down to relevant collections. An example search phrase could be *Land Surface Temperature over Texas last month*. Results will be displayed in the collection panel below.

You can also add filters to refine your search:

☐ Pick a temporal range from a calendar

☐ Manually set spatial boundaries

☐ Clear all of your filters

End Tour

☐ Do not show again

Next



Show Tour

Earthdata Login

ns with granules ☒ Include non-EOSDIS collections

and download their data.



GHRSSST Level 2P OSPO dataset v2.61 from VIIRS on the NOAA-20 satellite (GDS v2) (GDS version 2)

Int'l / Interagency - 2018-11-07 ongoing - NOAA-20 (N20/JRSS-1/J1) is the second satellite in the US NOAA latest generation Joint Polar Satellite System (JPSS). N20 was launched on November 16, 2017. In conjunction with the first US satellite in JPSS series, Suomi National Polar-orbiting Partnership (SNPP) satellite laun...

CWIC 10.25921/sts7-9688 v2.61 - DOC/NOAA/NESDIS/NCEI



GHRSSST Level 2P Atlantic Regional Skin Sea Surface Temperature from the Spinning Enhanced Visible and InfraRed Imager (SEVIRI) on the Meteosat Second Generation (MSG-3) satellite (GDS version 2)

Int'l / Interagency - 2013-08-01 to 2018-02-20 - The Meteosat Second Generation (MSG-3) satellites are spin stabilized geostationary satellites operated by the

v 1.101.0 - Search Time: 2.3s - NASA Official: Stephen Barrick - FOIA - NASA Privacy Policy - USA.gov

Earthdata Access: A Section 508 accessible alternative

6



New IDN Client: Temporal Search

EARTHDATA Find a DAAC +

CE S IDN Search

Browse Collections

Features

- Map Imagery
- Near Real Time
- Customizable

Keywords

Platforms

Instruments

Organizations

Projects

Processing levels

Type any topic, collection, or place name

Start 2019-01-01 00:00:00 **End** 2019-08-30 23:59:59

☐ Recurring?

Apply Filter **Clear**

32,668 Matching Collections

Sort by: **Relevance** ☐ Only include collections with granules ☒ Include non-EOSDIS collections

Tip: Add + collections to your project to compare and download their data.

GHRSSST Level 2P OSPO dataset v2.61 from VIIRS on the NOAA-20 satellite (GDS v2) (GDS version 2)

Int'l / Interagency • 2018-11-07 ongoing • NOAA-20 (N20/JRSS-1/J1) is the second satellite in the US NOAA latest generation Joint Polar Satellite System (JPSS). N20 was launched on November 16, 2017. In conjunction with the first US satellite in JPSS series, Suomi National Polar-orbiting Partnership (SNPP) satellite launch...

CWIC 10.25921/rts7-9688 v2.61 - DOC/NOAA/NEOSDIS/NCEI

GHRSSST Level 2P Atlantic Regional Skin Sea Surface Temperature from the Spinning Enhanced Visible and InfraRed Imager (SEVIRI) on the Meteosat Second Generation (MSG-3) satellite (GDS version 2)

Int'l / Interagency • 2013-08-01 to 2018-02-20 • The Meteosat Second Generation (MSG-3) satellites are spin stabilized geostationary satellites operated by the

v 1.101.0 • Search Time: 2.4s • NASA Official: Stephen Bernick • FOIA • NASA Privacy Policy • USA.gov

Earthdata Access: A Section 508 accessible alternative



New IDN Client: Spatial Search

The screenshot displays the Earthdata Search web application. The top navigation bar includes the NASA logo, 'EARTHDATA', and a search bar with the placeholder text 'Type any topic, collection, or place name'. A 'Show Tour' button and an 'Earthdata Login' button are also visible. The left sidebar contains a 'Browse Collections' section with a 'Features' list: 'Map Imagery', 'Near Real Time', and 'Customizable'. Below this are sections for 'Keywords', 'Platforms', 'Instruments', 'Organizations', 'Projects', and 'Processing levels'. The main content area shows a map of Southeast Asia with a red rectangular search boundary over Vietnam. A search results panel on the right lists two datasets: 'GHRSS Level 2P OSPO dataset v2.61 from VIIRS on the NOAA-20 satellite (GDS v2) (GDS version 2)' and 'GHRSS Level 3U OSPO dataset v2.61 from VIIRS on S-NPP Satellite (GDS v2) (GDS version 2)'. Each result includes a thumbnail map, a title, and a brief description. The bottom of the page features a footer with version information 'v 1.101.0', search time '2.7s', and links to NASA Official, FOIA, Privacy Policy, and USA.gov. A blue banner at the bottom right reads 'Earthdata Access: A Section 508 accessible alternative'.

EARTHDATA Find a DAAC

CE **S** **IDN** **Search**

Type any topic, collection, or place name

Search

Use Earthdata Search's natural language processing-enabled search tool to quickly narrow down to relevant collections. An example search phrase could be *Land Surface Temperature over Texas last month*. Results will be displayed in the collection panel below.

You can also add filters to refine your search:

- ☐ Pick a temporal range from a calendar
- ☐ Manually set spatial boundaries
- ☐ Clear all of your filters

☐ Do not show again

GHRSS Level 2P OSPO dataset v2.61 from VIIRS on the NOAA-20 satellite (GDS v2) (GDS version 2)

Int'l / Interagency • 2018-11-07 ongoing • NOAA-20 (N20/JRSS-1/J1) is the second satellite in the US NOAA latest generation Joint Polar Satellite System (JPSS). N20 was launched on November 18, 2017. In conjunction with the first US satellite in JPSS series, Suomi National Polar-orbiting Partnership (S-NPP) satellite launch...

GHRSS Level 3U OSPO dataset v2.61 from VIIRS on S-NPP Satellite (GDS v2) (GDS version 2)

Int'l / Interagency • 2015-05-19 ongoing • The Joint Polar Satellite System (JPSS), starting with S-NPP launched on 28 October 2011, is the new generation of the US Polar Operational Environmental Satellite (POES). The Suomi National Polar-orbiting Partnership (S-NPP) is a collaboration between NASA and NOAA.

v 1.101.0 • Search Time: 2.7s • NASA Official: Stephen Barrick • FOIA • NASA Privacy Policy • USA.gov

Earthdata Access: A Section 508 accessible alternative



New IDN Client: Search by Facets

 EARTHDATA

Find a DAAC ▾

CE

Search

Browse Collections

Features

Keywords

Platforms

Instruments

Organizations

Projects

Processing levels

Type any topic, collection, or place name

📍

🔍

📄

☰

Show Tour

Earthdata Login

Facets

Refine your search further with available facets, such as:

- **Features** - has map imagery, is near-real-time, or is subsettingtable
- **Keywords** - science terms describing collections
- **Platforms** - satellite, aircraft, etc. hosting instruments
- **Instruments** - devices that make measurements
- **Organizations** - responsible for archiving and/or producing data
- **Projects** - mission or science project
- **Processing Levels** - raw, geophysical variables, grid, or model

End Tour

☐ Do not show again

🔍

Filter

➡

Next

with granules

☒ Include non-EOSDIS collections

download their data.

on the NOAA-20 satellite (GDS v2) (GDS version 2)

📄

+

JPSS-1/J1) is the second satellite in the US NOAA latest generation Joint Polar Satellite System in conjunction with the first US satellite in JPSS series, Suomi National Polar-orbiting Partnership (S-NPP)



GHRSSST Level 2P Atlantic Regional Skin Sea Surface Temperature from the Spinning Enhanced Visible and InfraRed Imager (SEVIRI) on the Meteosat Second Generation (MSG-3) satellite (GDS version 2)

Int'l / Interagency • 2013-08-01 to 2018-02-20 • The Meteosat Second Generation (MSG-3) satellites are spin stabilized geostationary satellites operated by the

v 1.101.0

• Search Time: 2.4s • NASA Official: Stephen Berrick • FOIA • NASA Privacy Policy • USA.gov

Earthdata Access: A Section 508 accessible alternative



New IDN Client: Map/Spatial tools

 EARTHDATA

Find a DAAC -

CE S IDN Search

Browse Collections

Features

☐ Map Imagery

☐ Near Real Time

☐ Customizable

Keywords

Platforms

Instruments

Organizations

Projects

Processing levels

Type any topic, collection, or place name



Use these map tools to configure and position the map as well as enable certain spatial tools.

☐ Delete a layer

☐ Edit a layer

☐ Spatial coordinate search

☐ Bounding box search

☐ Polygon search

☐ North Polar projection

☐ Geographic projection

☐ South Polar projection

☐ Zoom in

☐ Reset zoom

☐ Zoom out

☐ Map layers

End tour

☐ Do not show again

Prev

Next

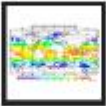
32,668 Matching Collections

Sort by: Relevance

☐ Only include collections with granules

☒ Include non-EOSDIS collections

Tip: Add + collections to your project to compare and download their data.



GHRSSST Level 2P OSPO dataset v2.61 from VIIRS on the NOAA-20 satellite (GDS v2) (GDS version 2)

Int'l / Interagency • 2018-11-07 ongoing • NOAA-20 (N20/JPSS-1/J1) is the second satellite in the US NOAA latest generation Joint Polar Satellite System (JPSS). N20 was launched on November 18, 2017. In conjunction with the first US satellite in JPSS series, Suomi National Polar-orbiting Partnership (S-NPP) satellite launch...

GWAC

10.25821/sfs7-9588 v2.61 - DOC/NOAA/NESDIS/NCEI



GHRSSST Level 2P Atlantic Regional Skin Sea Surface Temperature from the Spinning Enhanced Visible and InfraRed Imager (SEVIRI) on the Meteosat Second Generation (MSG-3) satellite (GDS version 2)

Int'l / Interagency • 2013-08-01 to 2018-02-20 • The Meteosat Second Generation (MSG-3) satellites are spin stabilized geostationary satellites operated by the

v 1.101.0

Search Time: 2.4s

NASA Official: Stephen Berrick

FOIA

NASA Privacy Policy

USA.gov

Earthdata Access: A Section 508 accessible alternative

NASA New IDN Client: Toolbar (Feedback & Login)

The screenshot displays the NASA Earthdata CEOS IDN Search interface. The top navigation bar includes the NASA logo, 'EARTHDATA', and a search bar with the placeholder text 'Find a DAAC'. The left sidebar contains a 'CEOS IDN Search' header and a 'Browse Collections' section with a list of features: Map Imagery, Near Real Time, and Customizable. Below this is a 'Keywords' section with a list of categories: Platforms, Instruments, Organizations, Projects, and Processing levels. The main content area shows a map of the Middle East and surrounding regions, with a search bar above it containing the text 'Type any topic, collection, or place name'. Below the map, there are 32,668 matching collections, sorted by Relevance. A tip suggests adding collections to a project for comparison and download. Two collection results are visible: 'GHRSSST Level 2P OSPO dataset v2.61 from VIIRS on the NOAA-20 satellite (GDS v2) (GDS version 2)' and 'GHRSSST Level 2P Atlantic Regional Skin Sea Surface Temperature from the Spinning Enhanced Visible and InfraRed Imager (SEVIRI) on the Meteosat Second Generation (MSG-3) satellite (GDS version 2)'. A toolbar on the right side of the map area provides options for feedback, login, and tour. The toolbar text reads: 'This is the end of the tour. Using this toolbar, you can: Provide feedback, Login to Earthdata for more user tools. When logged in, you can also: Save your current project, View profile information, recent downloads, saved projects, or show this tour again.' The toolbar also includes buttons for 'End Tour', 'Do not show again', and 'Prev'.

CEOS IDN Search

Browse Collections

Features

- Map Imagery
- Near Real Time
- Customizable

Keywords

- Platforms
- Instruments
- Organizations
- Projects
- Processing levels

Find a DAAC

Type any topic, collection, or place name

32,668 Matching Collections

Sort by: **Relevance** ☐ Only include collections with granules ☒ Include non-EOSDIS collections

Tip: Add **+** collections to your project to compare and download their data.

GHRSSST Level 2P OSPO dataset v2.61 from VIIRS on the NOAA-20 satellite (GDS v2) (GDS version 2)

Int'l / Interagency • 2018-11-07 ongoing • NOAA-20 (N20/JRSS-1A/1) is the second satellite in the US NOAA latest generation Joint Polar-orbiting System (JPSS). N20 was launched on November 18, 2017. In conjunction with the first US satellite in JPSS series, Suomi National Polar-orbiting Partnership (S-NPP) satellite launch...

CWIC 10.25021/ids7-9688 v2.61 - DOC/NOAA/NESDIS/NCEI

GHRSSST Level 2P Atlantic Regional Skin Sea Surface Temperature from the Spinning Enhanced Visible and InfraRed Imager (SEVIRI) on the Meteosat Second Generation (MSG-3) satellite (GDS version 2)

Int'l / Interagency • 2013-08-01 to 2018-02-20 • The Meteosat Second Generation (MSG-3) satellites are spin stabilized geostationary satellites operated by the

Toolbar

This is the end of the tour. Using this toolbar, you can:

- Provide feedback
- Login to Earthdata for more user tools

When logged in, you can also:

- Save your current project
- View profile information, recent downloads, saved projects, or show this tour again

End Tour ☐ Do not show again **Prev**

v 1.101.0 • Search Time: 2.4s • NASA Official: Stephen Bernick • FOIA • NASA Privacy Policy • USA.gov

Earthdata Access: A Section 508 accessible alternative



New IDN Client: Search Results

 EARTHDATA

Find a DAAC ▾

CE S IDN Search

Browse Collections

Features

Keywords

Platforms

Instruments

Organizations

Projects

Processing levels

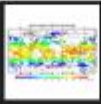
Type any topic, collection, or place name



32,668 Matching Collections

Sort by: Relevance ▾ ☐ Only include collections with a DAAC badge

Tip: Add + collections to your project to compare



Int'l / Interagency • 2018-11-07 ongoing • NOAA-20 (N20/JPSS-1/J1) is the second satellite in the US NOAA latest generation Joint Polar Satellite System (JPSS). N20 was launched on November 18, 2017. In conjunction with the first US satellite in JPSS series, Suomi National Polar-orbiting Partnership (S-NPP) satellite launch...

CWIC 10.25921/sts7-9668 v2.61 - DOC/NOAA/NESDIS/NCEI



Int'l / Interagency • 2013-08-01 to 2018-02-20 • The Meteosat Second Generation (MSG-3) satellites are spin-stabilized geostationary satellites operated by the

Search Results

Search results will be shown in the Matching Collections panel below. Each result will have summary information along with relevant badges to allow you to quickly scan your search results to find the right collection. The panel can be resized by clicking and dragging the bar above the Matching Collections tab.

Collection options include:

 View more information about a collection

 Add collections to your project to compare

Click anywhere on a collection to view granules available for download

End Tour

☐ Do not show again

 Print

 Next

Show Tour

Earthdata Login



1000 km

500 mi



v 1.101.0 • Search Time: 2.4s • NASA Official: Stephen Berrick • FOIA • NASA Privacy Policy • USA.gov

Earthdata Access: A Section 508 accessible alternative

12



New IDN Client: Brief Collection Information

EARTHDATA Find a DAAC -

IRS 1C LIS3 Standard Product

Rectangle: SW: 7.499816894531251,10 NE: 24.71209716796875,11

Back to Granules

IRS 1C LIS3 Standard Products 1C_LIS3_STUC00GTD VERSION 1.0

Related URLs: [View All Related URLs](#) | [View More Info](#)

Temporal Extent: 1996-11-14 to 2007-09-20

GIS Imagery Projection Availability: None

Science Keywords: EARTH SCIENCE LAND SURFACE SURFACE RADIATIVE PROPERTIES
EARTH SCIENCE LAND SURFACE EROSION/SEDIMENTATION
EARTH SCIENCE LAND SURFACE GEOMORPHIC LANDFORMS/PROCESSES

MONTH

IRS 1C LIS3 Standard Products

Oct Nov Dec Jan 2007 Feb Mar Apr May Jun Jul Aug Sep

v 1.101.0 • Search Time: 0.9s • NASA Official: Stephan Bernick • FOIA • NASA Privacy Policy • USA.gov

Earthdata Access: A Section 508 accessible alternative



New IDN Client: Collection Information



EARTHDATA
CMR Search

Short Name: 1C_LIS3_STUC00GTD

IRS 1C LIS3 Standard Products

The medium resolution multi-spectral sensor, LISS-3 operates in four spectral bands - B2, B3, B4 in visible near infrared (VNIR) and B5 in Short Wave Infrared (SWIR) providing data with 23.5m resolution. Standard products are full scene (path-row) based geo-referenced as well as geo-orthokit products.

Overview

Download Data

Citing These Data

Documentation

Additional Information

Science Keywords:

EARTH SCIENCE LAND SURFACE SURFACE RADIATIVE PROPERTIES REFLECTANCE

EARTH SCIENCE LAND SURFACE EROSION/SEDIMENTATION LANDSLIDES

EARTH SCIENCE LAND SURFACE EROSION/SEDIMENTATION SEDIMENTS

Show More

Spatial Extent:

Bounding Rectangle: N: 90.0 S: -90.0 E: 180.0 W: -180.0

Data Format(s):

Distribution: TIFF

Temporal Extent:

1996-11-14 to 2007-09-20

Platform(s):

IRS-1C

Data Center(s):

IN/ISRO/NDC

Instrument(s):

OPS

Version:

1.0





New IDN Client: FedEO Collection Information

Short Name: CryoSat_products

CryoSat products

CryoSat's primary payload is the SAR/Interferometric Radar Altimeter (SIRAL) which has extended capabilities to meet the measurement requirements for ice-sheet elevation and sea-ice freeboard. CryoSat also carries three star trackers for measuring the orientation of the baseline. In addition, a radio receiver called Doppler Orbit and Radio Positioning Integration by Satellite (DORIS) and a small laser retroreflector ensures that CryoSat's position will be accurately tracked. More detailed information on CryoSat instruments is available on the CryoSat mission page. The following CryoSat datasets are available and distributed to registered users: Level 1B and L2 Ice products: FDM, LRM, SAR and SARin Consolidated Level 2 (GDR); (LRM+SAR+SARin) consolidated ice products over an orbit Intermediate Level 2 Ice products: LRM, SAR and SARin L1b and L2 Ocean Products: GOP and IOP Detailed information concerning each of the above datasets is available in the CryoSat Products Overview and here, CryoSat Level 1B altimetric products contain time and geo-location information as well as SIRAL measurements in engineering units. Calibration corrections are included and have been applied to the window delay computations. In Offline products, geophysical corrections are computed from Analysis Auxiliary Data Files (ADFs), whereas in FDM products corrections are computed for Forecast ADFs. All corrections are included in the data products and therefore the range can be calculated by taking into account the surface type. The Offline Level 2 LRM, SAR and SARin ice altimetric products are generated 30 days after data acquisition and are principally dedicated to glaciologists working on sea-ice and land-ice areas. The Level 2 FDM products are near-real time ocean products, generated 2-3 hours after data acquisition, and fulfill the needs of some ocean operational services. Level 2 products contain the time of measurement, the geo-location and the height of the surface. IOP and GOP are outputs of the CryoSat Ocean Processor. These products are dedicated to the study of ocean surfaces, and provided specifically for the needs of the oceanographic community. IOP are generated 2-3 days after data sensing acquisition and use the DORIS Preliminary Orbit. GOP are typically generated 30 days after data sensing acquisition and use the DORIS Precise Orbit. Geophysical corrections are computed from the Analysis ADFs, however following the oceanographic convention the corrections are available but not directly applied to the range (as for FDM).

Overview

Download Data

Citing These Data

Documentation

Additional Information

Collection Information

Data Identification

Processing Level

NA

Quality

Collection Progress

Active

Related URLs

OpenSearch: http://fedeo.esa.int/opensearch/description.xml?parentIdentifier=EOP:ESA:FEDEO:COLLECTIONS:CryoSat_products&tag_key=opensearch:granule:osd

Other Descriptive Keywords



New IDN Client: Granule Results

The screenshot displays the Earthdata IDN Client interface. At the top, the NASA logo is on the left, and the text "EARTHDATA" is in the center. To the right of "EARTHDATA" is a search bar containing "IRS 1C LIS3 Standard Product". Below the search bar, a map of the world is shown with a red rectangle highlighting a region in Southeast Asia. The rectangle's coordinates are displayed as "Rectangle: SW: 7.499816894531251,10 NE: 24.71209716796875,11". To the right of the map, there is a "Earthdata Login" button. Below the map, the text "IRS 1C LIS3 Standard Products" is followed by a link "View details". Below this, a paragraph states: "This is Int'l / Interagency Data data. Searches will be performed by external services which may vary in performance and available features. More details". Below this paragraph, there is a link "Granule filters". To the right of the search results, there is a green button "Download All" and a text "3,033 Granules". Below the search results, there is a table showing 20 of 3,033 matching granules. The table has columns for the granule name, a thumbnail image, and the start time. The granule names are "STUC00GTD_1C_LIS3_x_122_56_x_04-JAN-1997_PLD_SAN", "STUC00GTD_1C_LIS3_x_122_57_x_04-JAN-1997_PLD_SAN", "STUC00GTD_1C_LIS3_x_122_58_x_04-JAN-1997_PLD_SAN", and "STUC00GTD_1C_LIS3_x_122_59_x_04-JAN-1997_PLD_SAN". The start times are all "1997-01-04 00:00:00". Below the table, there is a timeline for the month of January 2007, showing the granules as green bars. At the bottom of the interface, there is a footer with the text "v 1.101.0 - Search Time: 0.9s - NASA Official: Stephen Barrick - FOIA - NASA Privacy Policy - USA.gov" and "Earthdata Access: A Section 508 accessible alternative".

EARTHDATA Find a DAAC -

IRS 1C LIS3 Standard Product

Rectangle: SW: 7.499816894531251,10 NE: 24.71209716796875,11

Back to Collections

IRS 1C LIS3 Standard Products [View details](#)

This is Int'l / Interagency Data data. Searches will be performed by external services which may vary in performance and available features. [More details](#)

[Granule filters](#)

Showing 20 of 3,033 matching granules: Search Time: 5.3s

Granule Name	Thumbnail	Start Time
STUC00GTD_1C_LIS3_x_122_56_x_04-JAN-1997_PLD_SAN		START 1997-01-04 00:00:00
STUC00GTD_1C_LIS3_x_122_57_x_04-JAN-1997_PLD_SAN		START 1997-01-04 00:00:00
STUC00GTD_1C_LIS3_x_122_58_x_04-JAN-1997_PLD_SAN		START 1997-01-04 00:00:00
STUC00GTD_1C_LIS3_x_122_59_x_04-JAN-1997_PLD_SAN		START 1997-01-04 00:00:00

MONTH

IRS 1C LIS3 Standard Products

Oct Nov Dec Jan 2007 Feb Mar Apr May Jun Jul Aug Sep

v 1.101.0 - Search Time: 0.9s - NASA Official: Stephen Barrick - FOIA - NASA Privacy Policy - USA.gov

Earthdata Access: A Section 508 accessible alternative



New IDN Client: Selected Granule Overlay

EARTHDATA Find a DAAC

IRS 1C LIS3 Standard Product

Rectangle: SW: 7.499816894531251,10 NE: 24.71209716796875,11

Earthdata Login

Back to Collections

IRS 1C LIS3 Standard Products [View details](#)

This is **Int'l / Interagency Data** data. Searches will be performed by external services which may vary in performance and available features. [More details](#)

[Granule filters](#)

3,033 Granules [Add to project](#)

[Download All](#) 3,033 Granules

STUC00GTD_1C_LIS3_x_124_56_x_20- APR-1997_PLD_SAN	STUC00GTD_1C_LIS3_x_124_57_x_20- APR-1997_PLD_SAN	STUC00GTD_1C_LIS3_x_124_58_x_20- APR-1997_PLD_SAN	STUC00GTD_1C_LIS3_x_124_59_x_20- APR-1997_PLD_SAN
 START 1997-04-20 00:00:00 END 1997-04-20 23:59:59	 START 1997-04-20 00:00:00 END 1997-04-20 23:59:59	 START 1997-04-20 00:00:00 END 1997-04-20 23:59:59	 START 1997-04-20 00:00:00 END 1997-04-20 23:59:59

MONTH

IRS 1C LIS3 Standard Products

Oct Nov Dec Jan 2007 Feb Mar Apr May Jun Jul Aug Sep

v 1.101.0 • Search Time: 0.9s • NASA Official: Stephen Bortick • FOIA • NASA Privacy Policy • USA.gov

Earthdata Access: A Section 508 accessible alternative



II. Status of the draft Metadata Management Tool (dMMT) DEMO



Draft Metadata Management Tool (dMMT) Overview

- Non-NASA users will be able to:
 - Generate/Review/Submit collection and service metadata
 - Edit their published metadata
 - Request to delete draft/submitted/published metadata
 - Search for published metadata
 - Follow the status of metadata (Status categories: In Work, Submitted, Approval, and Done)
 - Receive email notification of the status of their metadata.



Manage Collections - Dashboard

 EARTHDATA

 EARTHDATA
Metadata Management Tool for Non-NASA Users

Agatha Christie ▾

Enter Search Term

 Search Collections ▾

MANAGE COLLECTIONS

MANAGE SERVICES

Create New Draft Proposal

Create New Draft

OR use the [search](#) in the top right corner to find published collections to clone or request an edit.

Pending Draft Proposals

2019-01-02 | [EK_004](#) | <Submitted>

2019-02-28 | [EK_007](#) | <In Work>

Date | [Title](#) | <Status>

Date | [Title](#) | <Status>

Date | [Title](#) | <Status>

Go To Pending Draft Proposals



Manage Collections - Search Results

 EARTHDATA

 EARTHDATA
Metadata Management Tool for Non-NASA Users

Agatha Christie ▾

Enter Search Term

 Search Collections ▾

MANAGE COLLECTIONS

MANAGE SERVICES

Collections Search

ek 

3 Collection Results for: Keyword: ek

Showing all 3 Collections

Short Name ▴ ▾	Version	Entry Title ▴ ▾	Provider ▴ ▾	Granule Count	Last Modified ▴ ▾
EK_004	006	Aqua AIRS L3 5-day Quantization...	E2E_18_4	1	2018-09-20
EK_006	006	Aqua AIRS L3 5-day Quantization...	E2E_18_4	1	2018-09-26
EK_007	001	Aqua AIRS L3 5-day Quantization...	E2E_18_4	2	2019-03-01



Manage Collections - Collection Information - Editing

EARTHDATA
Metadata Management Tool for Non-NASA Users

Agatha Christie ▾

Collection Draft Proposals ▾ New

Collection Information

MANAGE COLLECTIONS MANAGE SERVICES

Previous Save & Jump To: Collection Information Next Save Done Cancel

Indicates required field

Collection Information

Short Name [?] Version [?]

Version Description [?]

Entry Title [?]

DOI [?]

☐ DOI Available

☒ DOI Not Available

☐ Missing Reason [?]

Select Missing Reason ▾

Explanation [?]



Manage Collections - Collection Information - In Work

EARTHDATA
Metadata Management Tool for Non-NASA Users

Agatha Christie

Enter Search Term: Search Collections

Collection Draft Proposals: 5K-007_1 New

Collection Information

MANAGE COLLECTIONS MANAGE SERVICES

Collection Draft Proposal Has Been Created!

In Work Submittal Approval Done

Previous Save & Jump To: Collection Information Next Save Done Cancel

Indicates required text Expand All

Data Dates	
Collection Data Type	
Processing Level	
Collection Progress	



Manage Collections - Collection Information - In Work State

The screenshot displays the EARTHDATA Metadata Management Tool for Non-NASA Users. The header includes the NASA logo, the text 'EARTHDATA Metadata Management Tool for Non-NASA Users', and a search bar. Below the header, there's a section for 'Collection Draft Proposals' with a count of 1 and a 'New' button. The main content area is titled 'Collection Information' and features two tabs: 'MANAGE COLLECTIONS' (selected) and 'MANAGE SERVICES'. The 'Status' is set to 'IN WORK', and the 'Last saved' timestamp is '2019-02-28 10:47 EST'. A 'Progress' section shows a vertical timeline with four steps: 'In Work' (selected), 'Submitted', 'Approval', and 'Done'. The 'In Work' step is highlighted with a blue dot and includes the text 'Created: 2019-02-28 10:47 EST'. To the right, an 'Actions' section contains a message: 'Need to review and save your open draft proposal? Complete and save your request.' and a 'Complete Request' button.

EARTHDATA
Metadata Management Tool for Non-NASA Users

Collection Draft Proposals 1 EK-007_1 New

Collection Information

MANAGE COLLECTIONS MANAGE SERVICES

Status: **IN WORK** Last saved: 2019-02-28 10:47 EST

Progress

- In Work**
Created: 2019-02-28 10:47 EST
- Submitted
- Approval
- Done

Actions

Need to review and save your open draft proposal? Complete and save your request.

Complete Request



Email Notification - In Work

 EARTHDATA

 EARTHDATA
Metadata Management Tool for Non-NASA Users

Collection Draft Proposal - In Work



In Work Submitted Approval Done

The following collection draft proposal has been created and is available for you to save and submit for approval:

EK-007_1 Aqua AIRS L3 5-day Quantization

[Review Draft Proposal](#)



Manage Collections - Delete Draft

The screenshot displays the EarthData Metadata Management Tool interface. A modal dialog box titled "Draft Proposal Deleted" is centered on the screen, asking for confirmation to delete the draft proposal "EPG-007_1". The dialog has two buttons: "No, I don't want to delete" and "Yes, Submit to delete".

The background interface includes the following elements:

- Header:** "EARTHDATA Metadata Management Tool for Non-NASA Users" with a search bar and a "Search Collections" button.
- Navigation:** "Collection Draft Proposals" with a count of "24,007" and a "New" button.
- Collection Details:** "EPG-007_1" with a "View Details" link and a "Metadata Fields" section.
- Metadata Fields:** A list of fields with checkboxes and progress indicators: "Collection Information", "Descriptive Keywords", "Spatial Information", "Collection Citations", "Data Characteristics", "Acquisition Information", "Data Centers", and "Metadata Information".
- Abstract:** A text block describing the "Atmospheric Infrared Sounder (AIRS)" instrument and its data products.
- Spatial Coordinates:** A map showing the instrument's footprint and a table of bounding rectangles.
- Temporal Coverage:** A table showing the date range and time interval of the data.
- Data Identification Fields:** A section for identifying the data, including a "Data Identification Fields" label and a "Data Identification Fields" button.



Email Notification - Request Delete

 EARTHDATA

 EARTHDATA
Metadata Management Tool for Non-NASA Users

Collection Draft Proposal - Delete Request

The following collection draft proposal has been submitted to be deleted:

EK-007_1 Aqua AIRS L3 5-day Quantization

[Review Draft Proposal](#)



Email Notification - Deleted

 EARTHDATA

 EARTHDATA
Metadata Management Tool for Non-NASA Users

Collection Draft Proposal - Deleted

The following collection draft proposal has been deleted per your recent request:

EK-007_1 Aqua AIRS L3 5-day Quantization

[Review Draft Proposal](#)



29



30



Manage Collections - Submitted State

 EARTHDATA

 EARTHDATA
Metadata Management Tool for Non-NASA Users

Agents Create ▾

Enter Search Term Search Collections ▾

Collection Draft Proposals DK-007_1 New

Collection Information

MANAGE COLLECTIONS MANAGE SERVICES

Status: **SUBMITTED** LAST SAVED 2019-02-28 16:47 EST

Progress

- In Work**
Created: 2019-02-28 16:47 EST
- Submitted**
Submitted: 2019-02-28 16:47 EST By: Agatha Christie
- Approved
- Done

Actions

Need to make changes to your submitted draft proposal? Revert back to **In Work** status.

Revert to In Work



Email Notification - Submitted

 EARTHDATA

 EARTHDATA
Metadata Management Tool for Non-NASA Users

Collection Draft Proposal - Submitted



In Work **Submitted** Approval Done

The following collection draft proposal has been submitted for review and approval:

EK-007_1 Aqua AIRS L3 5-day Quantization

Review Draft Proposal



Email Notification - Revert to In Work

 EARTHDATA

 EARTHDATA
Metadata Management Tool for Non-NASA Users

Collection Draft Proposal - In Work (Revert)



In Work Submitted Approval Done

The following collection draft proposal has been reverted back to In Work status:

EK-007_1 Aqua AIRS L3 5-day Quantization

[Review Draft Proposal](#)



Email Notification - Approved

 EARTHDATA

 EARTHDATA
Metadata Management Tool for Non-NASA Users

Collection Draft Proposal - Approved

In Work Submitted Approval Done

The following collection draft proposal has been reviewed and approved:

EK-007_1 Aqua AIRS L3 5-day Quantization

Review Draft Proposal



Manage Collections - Approved State

The screenshot displays the EARTHDATA Metadata Management Tool for Non-NASA Users interface. The top navigation bar includes the NASA logo, the text 'EARTHDATA Metadata Management Tool for Non-NASA Users', a search bar, and a user profile dropdown for 'Aparna Chivela'. Below the navigation bar, a banner image shows a satellite view of a landscape. The main content area is titled 'Collection Information' and features two tabs: 'MANAGE COLLECTIONS' (selected) and 'MANAGE SERVICES'. The 'MANAGE COLLECTIONS' tab shows the status of a collection as 'APPROVED'. A progress timeline on the left indicates the following steps: 'In Work' (Created: 2019-02-28 16:47 EST), 'Submitted' (Submitted: 2019-02-28 16:47 EST, By: Aparna Chivela), 'Approval' (Approved: 2019-02-28 18:27 EST, By: John Watson), and 'Done'. An 'Actions' panel on the right provides instructions on how to request edits to the collection and includes a 'Request Edit' button. The top right corner of the main content area shows the last update time: 'LAST UPDATE 2019-02-28 16:47 EST'.

EARTHDATA
Metadata Management Tool for Non-NASA Users

Collection Draft Proposals: 1 EK-007_1 1 New

Collection Information

MANAGE COLLECTIONS MANAGE SERVICES

Status: **APPROVED** LAST UPDATE 2019-02-28 16:47 EST

Progress

- In Work**
Created: 2019-02-28 16:47 EST
- Submitted**
Submitted: 2019-02-28 16:47 EST By: Aparna Chivela
- Approval** ✓
Approved: 2019-02-28 18:27 EST By: John Watson
- Done**

Actions

Need to make edit your approved draft proposal? Submit a request to edit the collection.

[Request Edit](#)



Email Notification - Rejected with Reason

 EARTHDATA

 EARTHDATA
Metadata Management Tool for Non-NASA Users

Collection Draft Proposal - Rejected



In Work Submitted **Approval** Done

The following collection draft proposal has been reviewed and rejected:

EK-007_1 Aqua AIRS L3 5-day Quantization

Approval Rejected Reason

Type: *Missing Info*

Additional Notes: Missing information for spatial information fields and need coordinates in order to have a complete collection record.

Review Draft Proposal



37



Email Notification - Done

 EARTHDATA

 EARTHDATA
Metadata Management Tool for Non-NASA Users

Collection Draft Proposal - Published



In Work Submitted Approval Done

Congratulations! The following collection draft proposal has been published to the CMR:

EK-007_1 Aqua AIRS L3 5-day Quantization

[Go To Collection Home](#)



Manage Collections - Done State

 EARTHDATA

 EARTHDATA
Metadata Management Tool for Non-NASA Users

Apalsha Chivale ▾

Collection Draft Proposals 1 EK-007_1 1 New

Collection Information

MANAGE COLLECTIONS

MANAGE SERVICES

Status: **DONE** LAST SAVED: 2019-02-28 16:47 EST

Progress

In Work

Created: 2019-02-28 16:47 EST

Submitted

Submitted: 2019-02-28 16:47 EST By: Apalsha Chivale

Approval 

Approved: 2019-02-28 16:47 EST By: John Wadell

Done

Actions

Congratulations your draft proposal has been approved and published to the CNIR. You can view the collection.

[Go To Collection Home](#)



Manage Collections - Collection Record - In CMR

 EARTHDATA

 EARTHDATA
Metadata Management Tool for Non-NASA Users

Aggregators ▾

Enter Search Term 🔍 Search Collections ▾

Collections 0 EK-007_1

EK-007_1

AIRS/Aqua L3 5-day Quantization in Physical Units (AIRS+AMSU) 5 degrees x 5 degrees V000 (AIRS+QPP5) at GES DISC V000

MANAGE COLLECTIONS MANAGE SERVICES

Download

Revisions (1) | Chunks (0) | Edit Collection Request | Clone Collection | Delete Collection Request

Abstract

The Atmospheric Infrared Sounder (AIRS) is a grating spectrometer ($R \approx 1200$) aboard the second Earth Observing System (EOS) polar-orbiting platform, EOS Aqua. In combination with the Advanced Microwave Sounding Unit (AMSU) and the Humidity Sounder for Brazil (HSB), AIRS constitutes an innovative atmospheric sounding group of visible, infrared, and microwave sensors. The quantization products (QP) are distributional summaries derived from the Level-2 standard retrieval products (of swath type) to provide a more comprehensive set of statistical summaries than the traditional means and standard deviation. The QP products combine the Level-2 standard data parameters over grid cells of 5×5 deg spatial extent for temporal periods of five days from -180.0 to $+180.0$ deg longitude and from -90.0 to $+90.0$ deg latitude. For each grid map of 4-byte floating-point mean values there is a corresponding 4-byte floating-point map of standard deviation and a 2-byte integer grid map of counts. The counts map provides the user with the number of points per bin that were included in the mean and can be used to generate custom multi-day maps from the daily gridded products. The thermodynamic parameters are: Skin Temperature (land and sea surface), Air Temperature at the surface, Profiles of Air Temperature and Water Vapor, Tropopause Characteristics, Column Precipitable Water, Cloud Amount/Frequency, Cloud Height, Cloud Top Pressure, Cloud Top Temperature, Reflectance, Emissivity, Surface Pressure, Cloud Vertical Distribution. The trace gases parameters are: Total Amounts and Vertical Profiles of

DOI

doi:10.5067/Aqua/AIRS/DA321

Data Identification Fields:

Data Dates



Spatial Coordinates

Bounding Rectangle

N: 90.0 S: -90.0 E: 180.0 W: -180.0

Temporal Coverages

DateTime Ranges

2002-05-01 to 2018-09-26



Manage Collections - Collection Record - Request to Edit

The screenshot displays the NASA EarthData Metadata Management Tool for Non-NASA Users. The interface includes a search bar and a list of collections. The collection 'EK-007_1' is selected, and a modal window titled 'Request Edit Collection' is open, prompting the user to submit a request to edit the collection record.

EARTHDATA
Metadata Management Tool for Non-NASA Users

Enter Search Term Search Collections

Collections 1 EK-007_1

EK-007_1
NIRS/Aqua L3 5-day Quantization in Physical Units

MANAGE COLLECTIONS

Download

Previous (1) | Datasets (9) | 800 Collection Records

Abstract
The Atmospheric Infrared Sounder (AIRS) is a polar-orbiting platform-borne instrument that provides global coverage of atmospheric temperature, humidity, and cloud properties. The AIRS data are used to derive a wide range of atmospheric parameters, including temperature, humidity, and cloud properties. The AIRS data are used to derive a wide range of atmospheric parameters, including temperature, humidity, and cloud properties.

Spatial Coordinates
Bounding Rectangle
N: 90.0 S: 90.0 E: 180.0 W: 180.0

Temporal Coverages
DateTime Range
2002-01-01 to 2018-04-01

Data Identification Fields:

Data Dates



III. IDN Metrics



IDN Metrics Overview

- IDN/CWIC/FedEO collection break down
- IDN Website Usage
 - Currently:
 - Generated by NetInsight (not supported after September 2019)
 - Not indexed by Google
 - Future
 - Compile by Google Analytics
 - Content indexed by Google (IDN transition to EarthData Search Client (EDSC))



IDN - CWIC - FedEO Metrics (September 4, 2019)

Total IDN Collections	32672
CWIC Collections	3961
FedEO Collections	20
Collections with granule OpenSearch	3728



IDN Website Usage



July 2018 – July 2019 (1 year)

Hits: 233,683
Views: 36,008
Visits: 7,693

Top Referrers by Visits (August 2018 – August 2019)

1. Directly from IDN	3215
2. Google	2799
3. ceos.org	437
4. Baidu.com	49
5. nasa.gov	45
6. bing.com	41

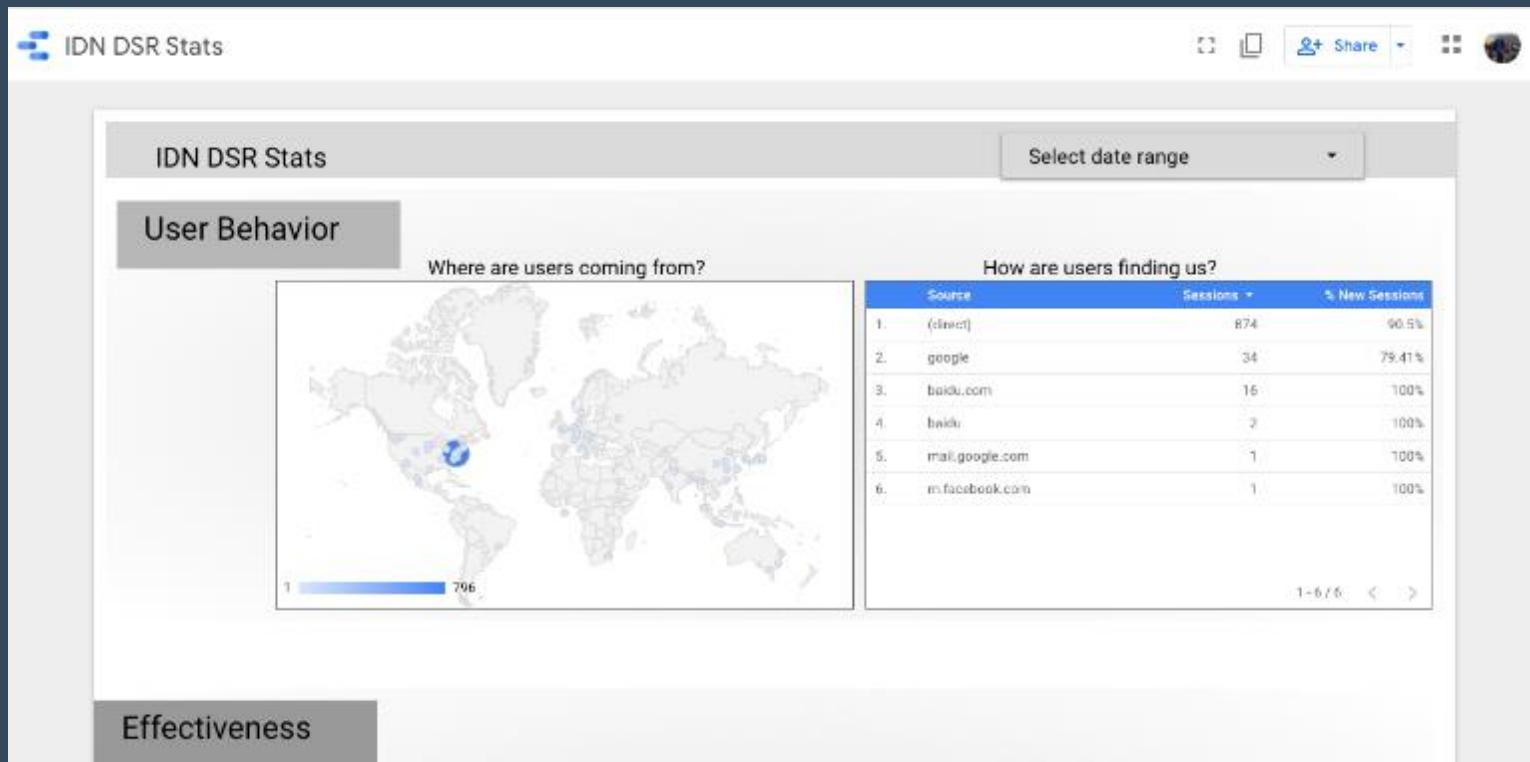
Hit - A hit is a request to a web server for a page. Hits, currently, include crawler traffic.

View (Page) - a hit to a Web page

Visit - a series of consecutive views of a Web site by the same visitor



Future IDN Usage: Google Analytics (DRAFT)





Questions

Please provide questions/comments to:

michael.p.morahan@nasa.gov (KBR)

valerie.dixon@nasa.gov (NASA)

christopher.s.lynnes@nasa.gov (NASA)



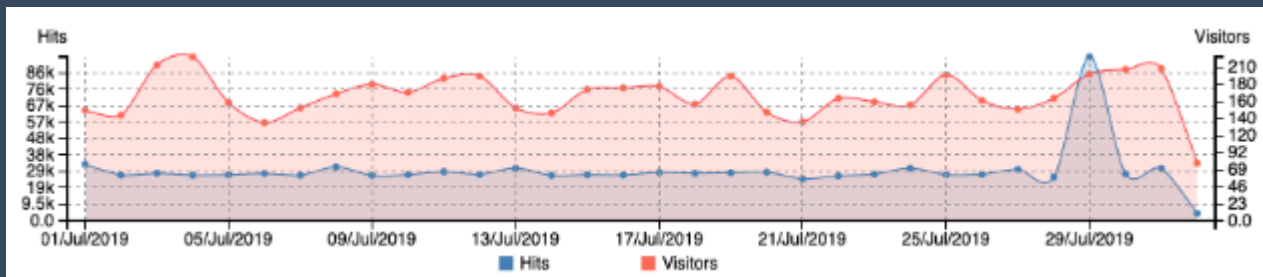
Background Information



KMS Usage

July 2019

Hits	Visitors
928,655	5,416





This work was supported by NASA/GSFC under
Raytheon Co. contract number NNG15HZ39C.

Raytheon

in partnership with

