



A Tour of the CCI STAC Collection

September 2025

The CCI STAC Index

≡ Browse

🔍 Search

CCI STAC API

🌐 Language: English

Climate Change Initiative

📄 Up

📄 Source

📄 Share


Description

Top Level Collection for Climate Change Initiative Data - Prototype

ESACCI

Licenseother

Temporal Extent1978-10-25 00:00:00 UTC-2025-05-05 12:00:00 UTC



Asset

> thumbnail

THUMBNAILJPEG

Metadata

General

Projects

1. Aerosol
2. Antarctic Ice Sheet
3. Biomass
4. Cloud
5. Fire
6. Glaciers
7. Greenhouse Gases
8. Greenland Ice Sheet
9. High Resolution Land Cover
10. Lakes
11. Land Cover
12. Land Surface Temperature
13. Ocean Colour
14. Ozone

Catalogs 27

📄 Tiles

📄 List

📄 Ascending

📄 Descending

🔍 Filter catalogs by title, description or keywords

Select keywords

Aerosol

The aerosol_cci project produces a set of global...

1995-06-01 00:00:00 UTC-2012-04-08 00:00:00 UTC

Lakes

The overarching objective of the Lakes_cci project ...

1992-09-26 00:00:00 UTC-2023-12-31 00:00:00 UTC

Sea Level

The global mean level of the oceans is an indicator of...

1994-01-01 00:00:00 UTC-2023-08-31 00:00:00 UTC

Antarctic Ice Sheet

The Antarctic_Ice Sheet_cci project aims to produce...

2002-04-01 00:00:00 UTC-2022-12-31 00:00:00 UTC

Land Cover

The overall Land_Cover_cci objective is to...

1992-01-01 00:00:00 UTC-2023-12-31 00:00:00 UTC

Sea Level Budget Closure

This project intends to analyse in an integrative contex...

1993-01-01 00:00:00 UTC-2016-12-31 23:59:59 UTC

Biomass

The primary science objective ESA's Climate...

2007-01-01 00:00:00 UTC-2022-12-31 00:00:00 UTC

Land Surface Temperature

The Land Surface Temperature CCI aims to provide an...

1995-08-01 00:00:00 UTC-2021-11-15 00:00:00 UTC

Sea State

The ultimate objective of SeaState_cci is to...

1988-01-01 00:00:00 UTC-2021-07-08 00:00:00 UTC

Cloud

The ultimate objective of Cloud CCI is to provide...

1995-06-01 00:00:00 UTC-2012-04-08 00:00:00 UTC

Ocean Colour

The Ocean Colour CCI (OC_CCI) project focuses o...

1997-09-04 00:00:00 UTC-2024-12-31 00:00:00 UTC

Sea Surface Salinity

Sea Surface Salinity (SSS) is an Essential Climate...

2010-01-01 00:00:00 UTC-2023-12-31 00:00:00 UTC

Items

🔍 Show Filters

No items available for this collection.

Browser: <https://radianteearth.github.io/stac-browser/#/external/api.stac.164.30.69.113.nip.io/collections/cci>
API: <https://api.stac.164.30.69.113.nip.io/collections/cci>

A Tour of the CCI STAC Collection

The CCI STAC Index

Search/Filter at Project Level

Climate Change Initiative

Description
Top Level Collection for Climate Change Initiative Data - Prototype

License
other
1978-10-25 00:00:00 UTC – 2025-05-05 12:00:00 UTC

Temporal Extent
1978-10-25 00:00:00 UTC – 2025-05-05 12:00:00 UTC

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Show Filters
No items available for this collection.

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1995-08-01 00:00:00 UTC – 2021-11-15 00:00:00 UTC

Sea State
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1988-01-01 00:00:00 UTC – 2021-07-08 00:00:00 UTC

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1995-06-01 00:00:00 UTC – 2012-04-08 00:00:00 UTC

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Sea Surface Salinity
Sea Surface Salinity (SSS) is an Essential Climate...
2010-01-01 00:00:00 UTC – 2023-12-31 00:00:00 UTC

A Tour of the CCI STAC Collection

Project-Level Collection: Aerosol

☰ Browse 🔍 Search

CCI STAC API ▾

Aerosol

Description

The aerosol_cci project produces a set of global aerosol ECV products from European satellite instruments with substantially different characteristics and information content. Primary products include total column Aerosol Optical Depth (AOD), stratospheric aerosol extinction profiles and further information on aerosol type (fine mode fraction, absorption, mineral dust).

Aerosol ESACCI aerosol

License

other

Temporal Extent

1995-06-01 00:00:00 UTC – 2012-04-08 00:00:00 UTC



Asset

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THUMBNAIL JPEG

Metadata

General

Project

Aerosol

Catalogs 20

🗺 Tiles ☰ List

⬆ Ascending ⬆ Descending

🔍 Filter catalogs by title, description or keyword

Select keywords

ESA Aerosol Climate Change Initiative (Aerosol CCI): Level 2 aerosol products from MERIS (ALAMO algorithm), Version 2.2

The ESA Climate Change Initiative Aerosol project has produced a number of global aerosol Essential Climate Variable (ECV)...

2008-01-01 00:00:00 UTC – 2008-12-31 23:59:59 UTC

ESA Aerosol Climate Change Initiative (Aerosol CCI): Level 3 aerosol products from MERIS (ALAMO algorithm), Version 2.2

The ESA Climate Change Initiative Aerosol project has produced a number of global aerosol Essential Climate Variable (ECV)...

2008-01-01 00:00:00 UTC – 2009-01-01 23:59:59 UTC

ESA Aerosol Climate Change Initiative (Aerosol_cci): Level 2 aerosol products from AATSR (ADV Algorithm), Version 2.31

The ESA Climate Change Initiative Aerosol project has produced a number of global aerosol Essential Climate Variable (ECV)...

2002-07-24 00:00:00 UTC – 2012-04-08

ESA Aerosol Climate Change Initiative (Aerosol_cci): Level 3 aerosol products from the Multi-Sensor UV Absorbing Aerosol Index (MS UVAI) algorithm, Version 1.7

The ESA Climate Change Initiative Aerosol project has produced a number of global aerosol Essential Climate Variable (ECV)...

1970-01-01 00:00:00 UTC – 2025-12-31 23:59:59 UTC

ESA Aerosol Climate Change Initiative (Aerosol_cci): Level 3 aerosol products from AATSR (ADV algorithm), Version 2.31

The ESA Climate Change Initiative Aerosol project has produced a number of global aerosol Essential Climate Variable (ECV)...

1970-01-01 00:00:00 UTC – 2025-12-31 23:59:59 UTC

ESA Aerosol Climate Change Initiative (Aerosol_cci): Level 3 aerosol products from AATSR (ensemble product), Version 2.6

The ESA Climate Change Initiative Aerosol project has produced a number of global aerosol Essential Climate Variable (ECV)...

Browser: <https://radianteearth.github.io/stac-browser/#/external/api.stac.164.30.69.113.nip.io/collections/aerosol>

API: <https://api.stac.164.30.69.113.nip.io/collections/aerosol>

A Tour of the CCI STAC Collection

Project-Level Collection: Aerosol

⌵

Browse

🔍

Search

CCI STAC API

▼

Aerosol

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Aerosol

ESACCI

aerosol

License

other

Temporal Extent

1995-06-01 00:00:00 UTC – 2012-04-08 00:00:00 UTC

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General

Project

Aerosol

Catalogs

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Tiles

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List

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Ascending

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Descending

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Filter catalogs by title, description or keyword

Select keywords

▼

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ESA Aerosol Climate Change Initiative (Aerosol_cci): Level 3 aerosol products from AATSR (ensemble product), Version 2.6

The ESA Climate Change Initiative Aerosol project has produced a number of global aerosol Essential Climate Variable (ECV)...

Search/Filter by Dataset keywords

Individual Aerosol Datasets

A Tour of the CCI STAC Collection

Project-Level Collection: Aerosol

⌵

Browse

🔍

Search

CCI STAC API

Aerosol

Description

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Aerosol

ESACCI

aerosol

License

other

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General

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Catalogs 20

🗺️ Tiles

☰ List

⬇️ Ascending

⬆️ Descending

🔍 Filter catalogs by title, description or keyword

Select keywords

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Note: Datasets that have been superseded with newer versions will be removed from the STAC collections.

Search/Filter by Dataset keywords

Individual Aerosol Datasets

A Tour of the CCI STAC Collection

Dataset-Level Collections

ESA Aerosol Climate Change Initiative (Aerosol_cci): Level 3 aerosol products from AATSR (SU algorithm), Version 4.3

Description

The ESA Climate Change Initiative Aerosol project has produced a number of global aerosol Essential Climate Variable (ECV) products from a set of European satellite instruments with different characteristics. This dataset comprises Level 3 daily and monthly aerosol products from the AATSR instrument on the ENVISAT satellite, using the Swansea University (SU) algorithm, version 4.3. Data is available for the period 2002 - 2012.

For further details about these data products please see the documentation.

<https://catalogue.ceda.ac.uk/uuid/d12fc40e4f254ce38303157fa460f01c>

[Aerosol](#) [ESACCI](#) [d12fc40e4f254ce38303157fa460f01c](#) [aerosol](#)

License other
Temporal Extent 2002-05-20 00:00:00 UTC - 2012-04-08 23:59:59 UTC



Asset

[Thumbnail](#) [Thumbnail](#) [JPEG](#)

Additional Resources

Browser: <https://radianteearth.github.io/stac-browser/#/external/api.stac.164.30.69.113.nip.io/collections/d12fc40e4f254ce38303157fa460f01c>
API: <https://api.stac.164.30.69.113.nip.io/collections/d12fc40e4f254ce38303157fa460f01c>

Catalogs

[Tiles](#) [List](#) [Ascending](#) [Descending](#)

Filter catalogs by title, description or keyword

(NonDRS) Level 3 aerosol products from AATSR (SU algorithm), Version 4.3

<https://archive.opensearch.ceda.ac.uk/opensearch/description.xml?parentIdentifier=d12fc40e4f254ce383031...>

2002-05-20 00:00:00 UTC - 2012-04-08 00:00:00 UTC

Select keywords

esacci.AEROSOL.day.L3C.AER_PRO DUCTS.AATSR.Envisat.SU.4-3.r1

<https://archive.opensearch.ceda.ac.uk/opensearch/description.xml?parentIdentifier=d12fc40e4f254ce383031...>

2002-05-20 10:15:05 UTC - 2002-06-15 22:24:05 UTC

esacci.AEROSOL.mon.L3C.AER_PRO DUCTS.AATSR.Envisat.SU.4-3.r1

<https://archive.opensearch.ceda.ac.uk/opensearch/description.xml?parentIdentifier=d12fc40e4f254ce383031...>

2002-05-20 10:15:05 UTC - 2003-12-31 23:53:16 UTC

Items

Show Filters

No items available for this collection.

A Tour of the CCI STAC Collection

Dataset-Level Collections

[Browse](#) [Search](#)

CCI STAC API ▾

Language: English ▾

ESA Aerosol Climate Change Initiative (Aerosol_cci): Level 3 aerosol products from AATSR (SU algorithm), Version 4.3

[Up](#) [Source](#) [Share](#)

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The ESA Climate Change Initiative Aerosol project has produced a number of global aerosol Essential Climate Variable (ECV) products from a set of European satellite instruments with different characteristics. This dataset comprises Level 3 daily and monthly aerosol products from the AATSR instrument on the ENVISAT satellite, using the Swansea University (SU) algorithm, version 4.3. Data is available for the period 2002 - 2012.

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[Aerosol](#) [ESACCI](#) [d12fc40e4f254ce38303157fa460f01c](#) [aerosol](#)

License other

Temporal Extent 2002-05-20 00:00:00 UTC - 2012-04-08 23:59:59 UTC



Asset

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Additional Resources

Catalogs 3

[Tiles](#) [List](#) [Ascending](#) [Descending](#)

Filter catalogs by title, description or keyword

(NonDRS) Level 3 aerosol products from AATSR (SU algorithm), Version 4.3

<https://archive.opensearch.ceda.ac.uk/opensearch/description.xml?parentIdentifier=d12fc40e4f254ce383031...>

2002-05-20 00:00:00 UTC - 2012-04-08 00:00:00 UTC

esacci.AEROSOL.day.L3C.AER_PRODUCTS.AATSR.Envisat.SU.4-3.r1

<https://archive.opensearch.ceda.ac.uk/opensearch/description.xml?parentIdentifier=d12fc40e4f254ce383031...>

2002-05-20 10:15:05 UTC - 2002-06-15 22:24:05 UTC

esacci.AEROSOL.mon.L3C.AER_PRODUCTS.AATSR.Envisat.SU.4-3.r1

<https://archive.opensearch.ceda.ac.uk/opensearch/description.xml?parentIdentifier=d12fc40e4f254ce383031...>

2002-05-20 10:15:05 UTC - 2003-12-31 23:53:16 UTC

Items

[Show Filters](#)

No items available for this collection.

DRS-Level: Dataset Resource Syntax. (Further grouping of data within datasets)

Link to CEDA Catalogue Page

A Tour of the CCI STAC Collection

DRS-Level Collections (Item Searchable)

≡

Browse

🔍

Search

CCI STAC API ▾

Language: English ▾

esacci.AEROSOL.day.L3C.AER_PRODUCTS.AATSR.Envisat.SU.4-3.r1

Up Source Share

Description

https://archive.opensearch.ceda.ac.uk/opensearch/description.xml?parentIdentifier=d12fc40e4f254ce38303157fa460f01c&drsid=esacci.AEROSOL.day.L3C.AER_PRODUCTS.AATSR.Envisat.SU.4-3.r1


Aerosol d12fc40e4f254ce38303157fa460f01c day r1 L3C esacci AATSR AEROSOL SU Envisat 4-3 ESACCI AER_PRODUCTS aerosol

License

other

Temporal Extent

2002-05-20 10:15:05 UTC – 2002-06-15 22:24:05 UTC



Asset

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THUMBNAIL JPEG

Additional Resources

- Aggregate: aggregate (api.stac.164.30.69.113.nip.io)
- Aggregations: aggregations (api.stac.164.30.69.113.nip.io)

Items

« First < Previous Next > 🔍 Show Filters

20120330-ESACCI-L3C_AEROSOL-AER_PRODUCTS-AATSR_ENVISAT-SU_DAILY-v4.3-NetCDF
2012-03-30 01:19:29 UTC – 23:45:17 UTC

20120404-ESACCI-L3C_AEROSOL-AER_PRODUCTS-AATSR_ENVISAT-SU_DAILY-v4.3-NetCDF
2012-04-04 01:35:39 UTC – 2012-04-05 00:01:27 UTC

20120331-ESACCI-L3C_AEROSOL-AER_PRODUCTS-AATSR_ENVISAT-SU_DAILY-v4.3-NetCDF
2012-03-31 00:42:40 UTC – 2012-04-01 00:48:41 UTC

20120405-ESACCI-L3C_AEROSOL-AER_PRODUCTS-AATSR_ENVISAT-SU_DAILY-v4.3-NetCDF
2012-04-05 00:58:50 UTC – 2012-04-06 01:04:51 UTC

20120401-ESACCI-L3C_AEROSOL-AER_PRODUCTS-AATSR_ENVISAT-SU_DAILY-v4.3-NetCDF
2012-04-01 01:45:59 UTC – 2012-04-02 00:11:47 UTC

20120406-ESACCI-L3C_AEROSOL-AER_PRODUCTS-AATSR_ENVISAT-SU_DAILY-v4.3-NetCDF
2012-04-06 02:02:09 UTC – 2012-04-07 00:27:57 UTC

20120402-ESACCI-L3C_AEROSOL-AER_PRODUCTS-AATSR_ENVISAT-SU_DAILY-v4.3-NetCDF
2012-04-02 01:09:10 UTC – 23:34:57 UTC

20120407-ESACCI-L3C_AEROSOL-AER_PRODUCTS-AATSR_ENVISAT-SU_DAILY-v4.3-NetCDF
2012-04-07 01:25:20 UTC – 23:51:08 UTC

20120403-ESACCI-L3C_AEROSOL-AER_PRODUCTS-AATSR_ENVISAT-SU_DAILY-v4.3-NetCDF
2012-04-03 00:32:15 UTC – 2012-04-04 00:38:17 UTC

20120408-ESACCI-L3C_AEROSOL-AER_PRODUCTS-AATSR_ENVISAT-SU_DAILY-v4.3-NetCDF
2012-04-08 00:48:26 UTC – 09:52:27 UTC

« First < Previous Next >

Browser: https://radianteearth.github.io/stac-browser/#/external/api.stac.164.30.69.113.nip.io/collections/esacci.aerosol.day.l3c.aer_products.aatsr.envisat.su.4-3.r1
API: https://api.stac.164.30.69.113.nip.io/collections/esacci.aerosol.day.l3c.aer_products.aatsr.envisat.su.4-3.r1

A Tour of the CCI STAC Collection

DRS-Level Collections (Item Searchable)

Browse

Search

CCI STAC API

Language: English

esacci.AEROSOL.day.L3C.AER_PRODUCTS.AATSR.Envisat.SU.4-3.r1

Up

Source

Share

Description

https://archive.opensearch.ceda.ac.uk/opensearch/description.xml?parentIdentifier=d12fc40e4f254ce38303157fa460f01c&drsid=esacci.AEROSOL.day.L3C.AER_PRODUCTS.AATSR.Envisat.SU.4-3.r1

Aerosol d12fc40e4f254ce38303157fa460f01c day r1 L3C esacci AATSR AEROSOL SU Envisat 4-3 ESACCI AER_PRODUCTS aerosol

License

other

Temporal Extent

2002-05-20 10:15:05 UTC – 2002-06-15 22:24:05 UTC

Asset

> thumbnail

THUMBNAIL JPEG

Additional Resources

- Aggregate: [aggregate \(api.stac.164.30.69.113.nip.io\)](#)
- Aggregations: [aggregations \(api.stac.164.30.69.113.nip.io\)](#)

Items

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Show Filters

20120330-ESACCI-L3C_AEROSOL-AER_PRODUCTS-AATSR_ENVISAT-SU_DAILY-v4.3-NetCDF

2012-03-30 01:19:29 UTC – 23:45:17 UTC

20120404-ESACCI-L3C_AEROSOL-AER_PRODUCTS-AATSR_ENVISAT-SU_DAILY-v4.3-NetCDF

2012-04-04 01:35:39 UTC – 2012-04-05 00:01:27 UTC

20120331-ESACCI-L3C_AEROSOL-AER_PRODUCTS-AATSR_ENVISAT-SU_DAILY-v4.3-NetCDF

2012-03-31 00:42:40 UTC – 2012-04-01 00:48:41 UTC

20120405-ESACCI-L3C_AEROSOL-AER_PRODUCTS-AATSR_ENVISAT-SU_DAILY-v4.3-NetCDF

2012-04-05 00:58:50 UTC – 2012-04-06 01:04:51 UTC

20120401-ESACCI-L3C_AEROSOL-AER_PRODUCTS-AATSR_ENVISAT-SU_DAILY-v4.3-NetCDF

2012-04-01 01:45:59 UTC – 2012-04-02 00:11:47 UTC

20120406-ESACCI-L3C_AEROSOL-AER_PRODUCTS-AATSR_ENVISAT-SU_DAILY-v4.3-NetCDF

2012-04-06 02:02:09 UTC – 2012-04-07 00:27:57 UTC

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20120407-ESACCI-L3C_AEROSOL-AER_PRODUCTS-AATSR_ENVISAT-SU_DAILY-v4.3-NetCDF

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20120403-ESACCI-L3C_AEROSOL-AER_PRODUCTS-AATSR_ENVISAT-SU_DAILY-v4.3-NetCDF

2012-04-03 00:32:15 UTC – 2012-04-04 00:38:17 UTC

20120408-ESACCI-L3C_AEROSOL-AER_PRODUCTS-AATSR_ENVISAT-SU_DAILY-v4.3-NetCDF

2012-04-08 00:48:26 UTC – 09:52:27 UTC

< First

< Previous

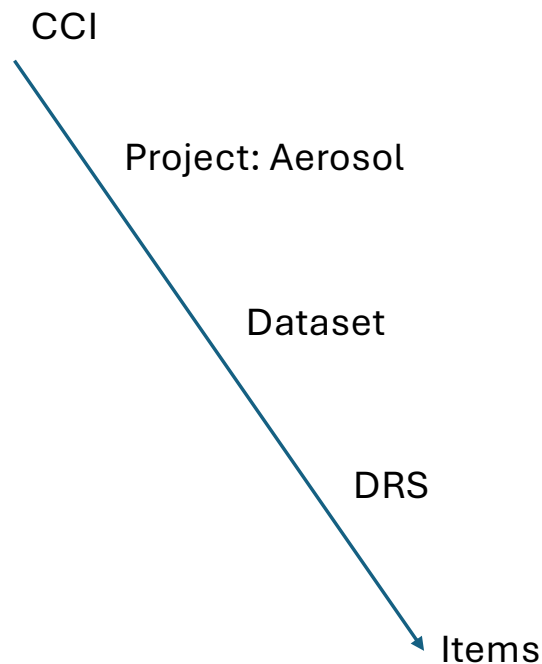
Next >

STAC Items

Link to Opensearch Service

A Tour of the CCI STAC Collection

CCI Collection Levels



- Navigate STAC browser to locate collections/items of interest.
- Locate DRS collections of interest.
- Search programmatically using pystac-client for each DRS.

Note: Searching for items using pystac at collection-levels higher than the DRS-level will not display all items. Pystac does not search all nested collections for items.

- Dataset-level programmatic access: STAC Collection ID is the UUID of the dataset record in the CEDA Catalogue.
- DRS-level programmatic access: All DRS identifiers are lower-case to fit with STAC collection name requirements.



Climate Change Initiative

KNOWLEDGE
EXCHANGE

The CCI OpenEO Collection

September 2025

CCI OpenEO Datasets

⌵

Browse

🔍

Search

CCI STAC API ⌵

🌐 Language: English ⌵

Climate Change Initiative OpenEO Collection

Up

Source

Share

Description

Top Level Collection for Climate Change Initiative OpenEO-Compatible Data. Currently this consists of GeoTiff files from several ECV/Cross-ECV CCI projects.


ESACCI

License

other

Temporal Extent

1982-01-01 00:00:00 UTC – 2023-12-31 23:59:59 UTC



Asset

> thumbnail

THUMBNAIL JPEG

Metadata

General

Projects

1. Aerosol

2. Antarctic Ice Sheet

3. Biomass

4. Cloud

Catalogs 20

Tiles

List

Ascending

Descending

Filter catalogs by title, description or keyword

Select keywords

ESACCI-L3S_FIRE-BA-AVHRR-LTDR-fv1.1.openeo

The ESA Fire Disturbance Climate Change Initiative (CCI) project has produced maps of global burned area derived from satellite observations. The AVHRR - LTDR Pixel v1.1 product described...

1982-01-01 00:00:00 UTC – 2018-12-01 23:59:59 UTC

ESACCI-L3S_FIRE-BA-SYN-fv1.1.openeo

The ESA Fire Disturbance Climate Change Initiative (CCI) project has produced maps of global burned area derived from satellite observations. The Sentinel-3 SYN Fire_cci v1.0 pixel product is...

2019-01-01 00:00:00 UTC – 2023-12-01 23:59:59 UTC

ESACCI.BIOMASS.yr.L4.AGB.multi-sensor.multi-platform.MERGED-DIFF-100m-2010-2007-fv6.0.openeo

This dataset comprises estimates of forest above-ground biomass (AGB) for the years 2007, 2010, 2015, 2016, 2017, 2018, 2019, 2020, 2021 and 2022. They are derived from a combination of Eart...

2007-01-01 00:00:00 UTC – 2010-12-31 23:59:59 UTC

ESACCI.BIOMASS.yr.L4.AGB.multi-sensor.multi-platform.MERGED-DIFF-100m-2016-2015-fv6.0.openeo

This dataset comprises estimates of forest above-ground biomass (AGB) for the years 2007, 2010, 2015, 2016, 2017, 2018, 2019, 2020, 2021 and 2022. They are derived from a combination of Eart...

2015-01-01 00:00:00 UTC – 2016-12-31 23:59:59 UTC

ESACCI.BIOMASS.yr.L4.AGB.multi-sensor.multi-platform.MERGED-DIFF-100m-2017-2016-fv6.0.openeo

This dataset comprises estimates of forest above-ground biomass (AGB) for the years 2007, 2010, 2015, 2016, 2017, 2018, 2019, 2020, 2021 and 2022. They are derived from a combination of Eart...

2016-01-01 00:00:00 UTC – 2017-12-31 23:59:59 UTC

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API: https://api.stac.164.30.69.113.nip.io/collections/cci_openeo

The CCI OpenEO Collection

CCI OpenEO Datasets

Search/Filter by OpenEODataset keywords

Climate Change Initiative OpenEO Collection

Description
Top Level Collection for Climate Change Initiative OpenEO-Compatible Data. Currently this consists of GeoTiff files from several ECV/Cross-ECV CCI projects.

License other
Temporal Extent 1982-01-01 00:00:00 UTC – 2023-12-31 23:59:59 UTC

Asset
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Metadata
General
Projects

1. Aerosol
2. Antarctic Ice Sheet
3. Biomass
4. Cloud

Catalogs 20 Tiles List Ascending Descending

Filter catalogs by title, description or keyword Select keywords

ESACCI-L3S_FIRE-BA-AVHRR-LTDR-fv1.1.openeo
The ESA Fire Disturbance Climate Change Initiative (CCI) project has produced maps of global burned area derived from satellite observations. The AVHRR - LTDR Pixel v1.1 product described...
1982-01-01 00:00:00 UTC – 2018-12-01 23:59:59 UTC

ESACCI-L3S_FIRE-BA-SYN-fv1.1.openeo
The ESA Fire Disturbance Climate Change Initiative (CCI) project has produced maps of global burned area derived from satellite observations. The Sentinel-3 SYN Fire_cci v1.0 pixel product is...
2019-01-01 00:00:00 UTC – 2023-12-01 23:59:59 UTC

ESACCI.BIOMASS.yr.L4.AGB.multi-sensor.multi-platform.MERGED-DIFF-100m-2010-2007-fv6.0.openeo
This dataset comprises estimates of forest above-ground biomass (AGB) for the years 2007, 2010, 2015, 2016, 2017, 2018, 2019, 2020, 2021 and 2022. They are derived from a combination of Eart...
2007-01-01 00:00:00 UTC – 2010-12-31 23:59:59 UTC

ESACCI.BIOMASS.yr.L4.AGB.multi-sensor.multi-platform.MERGED-DIFF-100m-2016-2015-fv6.0.openeo
This dataset comprises estimates of forest above-ground biomass (AGB) for the years 2007, 2010, 2015, 2016, 2017, 2018, 2019, 2020, 2021 and 2022. They are derived from a combination of Eart...
2015-01-01 00:00:00 UTC – 2016-12-31 23:59:59 UTC

ESACCI.BIOMASS.yr.L4.AGB.multi-sensor.multi-platform.MERGED-DIFF-100m-2017-2016-fv6.0.openeo
This dataset comprises estimates of forest above-ground biomass (AGB) for the years 2007, 2010, 2015, 2016, 2017, 2018, 2019, 2020, 2021 and 2022. They are derived from a combination of Eart...

Items
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ECV/Projects compatible with OpenEO:

- Fire
- Biomass
- Land Cover/HRLC
- Greenland Ice Sheets

Browser: https://radianteearth.github.io/stac-browser/#/external/api.stac.164.30.69.113.nip.io/collections/cci_openeo

API: https://api.stac.164.30.69.113.nip.io/collections/cci_openeo

The CCI OpenEO Collection

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The ESA Fire Disturbance Climate Change Initiative (CCI) project has produced maps of global burned area derived from satellite observations. The AVHRR - LTDR Pixel v1.1 product described here contains gridded data of global burned area derived from spectral information from the AVHRR (Advanced Very High Resolution Radiometer) Land Long Term Data Record (LTDR) v5 dataset produced by NASA.

Climate Change GCOS Essential Climate Variable Burned Area geotiff Fire Disturbance Pixel openeo esacci-13s_fire-ba-avhrr-ltdr-fv1 CCI 1 ESA b1bd715112ca43ab948226d11d72b85e

Thumbnail THUMBNAIL JPEG

Browser: https://radiantearth.github.io/stac-browser/#/external/api.stac.164.30.69.113.nip.io/collections/esacci-l3s_fire-ba-avhrr-ltdr-fv1.1.openeo
API: https://api.stac.164.30.69.113.nip.io/collections/esacci-l3s_fire-ba-avhrr-ltdr-fv1.1.openeo

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2018-03-01 00:00:00 UTC - 23:59:59 UTC

2018-08-01 00:00:00 UTC – 23:59:59 UTC

2018-04-01 00:00:00 UTC–23:59:59 UTC

2018-09-01 00:00:00 UTC–23:59:59 UTC

2018-05-01 00:00:00 UTC–23:59:59 UTC

2018-10-01 00:00:00 UTC–23:59:59 UTC

2018-06-01 00:00:00 UTC–23:59:59 UTC

2018-11-01 00:00:00 UTC–23:59:59 UTC

2018-07-01 00:00:00 UTC - 23:59:59 UTC

2018-12-01 00:00:00 UTC-23:59:59 UTC

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Example OpenEO Dataset

OpenEO-Compliant GeoTiff Items

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ESACCI-L3S_FIRE-BA-AVHRR-LTDR-fv1.1.openeo


Description

The ESA Fire Disturbance Climate Change Initiative (CCI) project has produced maps of global burned area derived from satellite observations. The AVHRR - LTDR Pixel v1.1 product described here contains gridded data of global burned area derived from spectral information from the AVHRR (Advanced Very High Resolution Radiometer) Land Long Term Data Record (LTDR) v5 dataset produced by NASA.

The dataset provides monthly information on global burned area at 0.05-degree spatial resolution (the resolution of the AVHRR-LTDR input data) from 1982 to 2018. The year 1994 is omitted as there was not enough input data for this year. The dataset is distributed in monthly GeoTIFF files, packed in annual tar.gz files, and it includes 5 files: date of BA detection (labelled JD), confidence label (CL), burned area in each pixel (BA), number of observations in the month (OB) and a metadata file. For further information on the product and its format see the Product User Guide.

Climate Change
GCOS Essential Climate Variable
Burned Area
geotiff
Fire Disturbance
Pixel
openeo
esacci-l3s_fire-ba-avhrr-ltldr-fv1
CCI
ESA

License
Temporal Extent
other
1982-01-01 00:00:00 UTC – 2018-12-01 23:59:59 UTC



Items

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20180301-ESACCI-L3S_FIRE-BA-AVHRR-LTDR-fv1.1 2018-03-01 00:00:00 UTC – 23:59:59 UTC	20180801-ESACCI-L3S_FIRE-BA-AVHRR-LTDR-fv1.1 2018-08-01 00:00:00 UTC – 23:59:59 UTC
20180401-ESACCI-L3S_FIRE-BA-AVHRR-LTDR-fv1.1 2018-04-01 00:00:00 UTC – 23:59:59 UTC	20180901-ESACCI-L3S_FIRE-BA-AVHRR-LTDR-fv1.1 2018-09-01 00:00:00 UTC – 23:59:59 UTC
20180501-ESACCI-L3S_FIRE-BA-AVHRR-LTDR-fv1.1 2018-05-01 00:00:00 UTC – 23:59:59 UTC	20181001-ESACCI-L3S_FIRE-BA-AVHRR-LTDR-fv1.1 2018-10-01 00:00:00 UTC – 23:59:59 UTC
20180601-ESACCI-L3S_FIRE-BA-AVHRR-LTDR-fv1.1 2018-06-01 00:00:00 UTC – 23:59:59 UTC	20181101-ESACCI-L3S_FIRE-BA-AVHRR-LTDR-fv1.1 2018-11-01 00:00:00 UTC – 23:59:59 UTC
20180701-ESACCI-L3S_FIRE-BA-AVHRR-LTDR-fv1.1 2018-07-01 00:00:00 UTC – 23:59:59 UTC	20181201-ESACCI-L3S_FIRE-BA-AVHRR-LTDR-fv1.1 2018-12-01 00:00:00 UTC – 23:59:59 UTC

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Collection-level temporal information

Browser: https://radianteearth.github.io/stac-browser/#/external/api.stac.164.30.69.113.nip.io/collections/esacci-l3s_fire-ba-avhrr-ltdr-fv1.1.openeo

API: https://api.stac.164.30.69.113.nip.io/collections/esacci-l3s_fire-ba-avhrr-ltdr-fv1.1.openeo

The CCI OpenEO Collection

Example OpenEO Dataset

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CCI STAC API ▾

🌐 Language: English ▾

ESACCI-L3S_FIRE-BA-AVHRR-LTDR-fv1.1.openeo

Up Source Share

Description


The ESA Fire Disturbance Climate Change Initiative (CCI) project has produced maps of global burned area derived from satellite observations. The AVHRR - LTDR Pixel v1.1 product described here contains gridded data of global burned area derived from spectral information from the AVHRR (Advanced Very High Resolution Radiometer) Land Long Term Data Record (LTDR) v5 dataset produced by NASA.

The dataset provides monthly information on global burned area at 0.05-degree spatial resolution (the resolution of the AVHRR-LTDR input data) from 1982 to 2018. The year 1994 is omitted as there was not enough input data for this year. The dataset is distributed in monthly GeoTIFF files, packed in annual tar.gz files, and it includes 5 files: date of BA detection (labelled JD), confidence label (CL), burned area in each pixel (BA), number of observations in the month (OB) and a metadata file. For further information on the product and its format see the Product User Guide.

Climate Change GCOS Essential Climate Variable Burned Area geotiff Fire Disturbance Pixel openeo esacci-l3s_fire-ba-avhrr-ltldr-fv1 CCI 1 ESA b1bd715112ca43ab948226d11d72b85e

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Provider

Items

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20180301-ESACCI-L3S_FIRE-BA-AVHRR-LTDR-fv1.1

20180301-ESACCI-L3S_FIRE-BA-AVHRR-LTDR-fv1.1

20180401-ESACCI-L3S_FIRE-BA-AVHRR-LTDR-fv1.1

20180501-ESACCI-L3S_FIRE-BA-AVHRR-LTDR-fv1.1

20180601-ESACCI-L3S_FIRE-BA-AVHRR-LTDR-fv1.1

20180701-ESACCI-L3S_FIRE-BA-AVHRR-LTDR-fv1.1

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Using the OpenEO Python Client: Use the API URL below in the openeo load_stac function to enable local processing of this dataset

Browser: https://radianteearth.github.io/stac-browser/#/external/api.stac.164.30.69.113.nip.io/collections/esacci-l3s_fire-ba-avhrr-ltldr-fv1.1.openeo
API: https://api.stac.164.30.69.113.nip.io/collections/esacci-l3s_fire-ba-avhrr-ltldr-fv1.1.openeo

The CCI OpenEO Collection

Example OpenEO Dataset: Additional Metadata

Asset

> thumbnail THUMBNAIL JPEG

Provider

Centre for Environmental Data Analysis (CEDA) HOST

Metadata

Electro-Optical

Spectral Bands

Name	Common Name	Description
OB	OB	None
JD	JD	None
CL	CL	None
BA	BA	None

20180501-ESACCI-L3S_FIRE-BA-AVHRR-LTDR-fv1.1
2018-05-01 00:00:00 UTC – 23:59:59 UTC

20180901-ESACCI-L3S_FIRE-BA-AVHRR-LTDR-fv1.1
2018-09-01 00:00:00 UTC – 23:59:59 UTC

20180601-ESACCI-L3S_FIRE-BA-AVHRR-LTDR-fv1.1
2018-06-01 00:00:00 UTC – 23:59:59 UTC

20181001-ESACCI-L3S_FIRE-BA-AVHRR-LTDR-fv1.1
2018-10-01 00:00:00 UTC – 23:59:59 UTC

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Data Provider/Host

OpenEO "EO Bands"

Browser: https://radianteearth.github.io/stac-browser/#/external/api.stac.164.30.69.113.nip.io/collections/esacci-l3s_fire-ba-avhrr-ltdr-fv1.1.openeo

API: https://api.stac.164.30.69.113.nip.io/collections/esacci-l3s_fire-ba-avhrr-ltdr-fv1.1.openeo

The CCI OpenEO Collection

Example OpenEO Item

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CCI STAC API

Language: English

20180301-ESACCI-L3S_FIRE-BA-AVHRR-LTDR-fv1.1

Collection

Up

Source

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Assets

> OB

DATA

> JD

DATA

> CL

DATA

> BA

DATA

Collection

ESACCI-L3S_FIRE-BA-AVHRR-LTDR-fv1.1.openeo

The ESA Fire Disturbance Climate Change Initiative (CCI) project has produced maps of global burned area derived from satellite observations. The AVHRR - LTDR Pixel v1.1 product described here contains gridded data of global burned area derived from spectral...
1982-01-01 00:00:00 UTC - 2018-12-01 23:59:59 UTC

Metadata

General

Time of Data

n/a

Time of Data begins

2018-03-01 0:00:00 UTC

Time of Data ends

2018-03-01 23:59:59 UTC

License

other

Data Version

fv1.1

Aggregation

✗

Platforms

Unknown

Collections

- fire

- b1bd715112ca43ab948226d11d72b85e

- esaccci-l3s_fire-ba-avhrr-ltldr-fv1.1

Created

2025-09-23 12:45:39 UTC

Updated

2025-09-23 12:45:39 UTC

Projection

Transformation Matrix

[0.05; 0; -180]
[0; -0.05; 90]

Image Dimensions

3600 × 7200

Code

EPSG:4326

The CCI OpenEO Collection

Example OpenEO Item

Browse

Search

CCI STAC API

Language: English

20180301-ESACCI-L3S_FIRE-BA-AVHRR-LTDR-fv1.1

Collection

Up

Source

Share

Assets

> OB

> JD

> CL

> BA

DATA

DATA

DATA

DATA

Collection

ESACCI-L3S_FIRE-BA-AVHRR-LTDR-fv1.1.openeo

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1982-01-01 00:00:00 UTC - 2018-12-01 23:59:59 UTC

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General

Time of Data

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Time of Data ends

2018-03-01 23:59:59 UTC

License

other

Data Version

fv1.1

Aggregation

✗

Platforms

Unknown

Collections

- fire

- b1bd715112ca43ab948226d11d72b85e

- esacci-l3s_fire-ba-avhrr-ltldr-fv1.1

Created

2025-09-23 12:45:39 UTC

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Projection

Transformation Matrix

[0.05; 0; -180]
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Image Dimensions

3600 x 7200

Code

EPSG:4326

EO Bands for OpenEO (See dataset-level summary info) for use with OpenEO client.

OpenEO Compliant Projection Metadata

Item/file-level properties

The CCI OpenEO Collection