

Global 10-daily Burnt Area 333m

BA or Burnt Area products provide temporal pattern information of the fire activity over decades and over seasons. In addition, a seasonality metric provides estimates of the start, peak and end of the fire season within a 1 degree grid. The BA product is generated every 10 days over the entire globe and provided in 10 degree tiles and continents.

Proposition de citation

European Commission Directorate-General Joint Research Centre. Global 10-daily Burnt Area 333m. http://land.copernicus.vgt.vito.be/geonetwork/srv/api/records/urn:cgl:global:ba300_v1_333m

Simple

Date (Creation)
2017-01-01

Edition
Version 1

Edition date
2017-01-02

Identifier
urn:cgl:global:ba300_v1_333m

Date (Revision)
2016-01-01

Other citation details
<http://land.copernicus.eu/global/documents/ba300/v1/pum>

Purpose
This product is first designed to fit the requirements of the Global component of Land Service of the Copernicus programme. It can be also useful for all applications related to the environment monitoring.

Credit
Burnt Area products were generated by the Global Land Service of Copernicus, the Earth Observation programme of the European Commission. The research leading to the current version of the product has received funding from various European Commission Research and Technical Development programs. The product is based on PROBA-V 333m data (copyright BELSPO and distribution by VITO NV).

Status
completed Completed

Principal investigator

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Hours of service
Office hours, 5 days per week

Contact instructions
Preferrably by e-mail

Website
[University website](#)

Organization website

Originator

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Boeretang 200 Mol 2400 Belgium

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Office hours, 7 days per week

Contact instructions
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Website
[VITO NV website](#)

Organization website

Owner

[European Commission Directorate-General for Internal Market, Industry, Entrepreneurship and SMEs](#)
Avenue d'Auderghem 45 Brussels 1049 Belgium

Hours of service

Office hours, 5 days per week

Contact instructions

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Website

[Copernicus programme website](#)

Organization website

Custodian

[European Commission Directorate-General Joint Research Centre](#)
Via E.Fermi, 249 Ispra 21027 Italy

Hours of service

Office hours, 5 days per week

Contact instructions

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Protocol

<http://ies.jrc.ec.europa.eu>

Name

EC DG-JRC Institute for Environment and Sustainability

Description

Organization website

Function

information Information

Maintenance and update frequency

asNeeded As needed

Update scope

series Series

Name

NetCDF

Version

4.2.1.1

Specification

Network Common Data Form

GEMET - Concepts, version 2.1

- Orthoimagery

Mots clés (Theme)

- burnt area , BA , fire , seasonality

Mots clés (Place)

- GLOBE

Mots clés (Temporal)

- Dekad , 10-day composite

Copernicus Themes (Theme)

- Vegetation

Copernicus Variables (Theme)

- Burnt Area

Use limitation

No limitations

Use constraints

@copernicus.eu Copyright

Access constraints

data policy @copernicus.eu Other restrictions

Other constraints

(d) the confidentiality of commercial or industrial information, where such confidentiality is provided for by national or Community law to protect a legitimate economic interest, including the public interest in maintaining statistical confidentiality and tax secrecy.

Association Type

partOfSeamlessDatabase Part of seamless database

Initiative Type

project Project

Association Type

source Source

Initiative Type

Proba-V Platform

Association Type

source Source

Initiative Type

VEGETATION Sensor

Spatial representation type

Grid

Distance

0.0029761905 http://standards.iso.org/ittf/PubliclyAvailableStandards/ISO_19139_Schemas/resources/uom/ML_gmxUom.xml#deg

Metadata language

eng

Character set

utf8 UTF8

Topic category

- Imagery base maps earth cover
- Biota
- Environment

N

S

E

W

Time period

10-dailydekad2014-01-01T00:00:002019-12-31T23:59:59

Reference system identifier

EPSG Geodetic Parameter Dataset / EPSG:4326

Reference system identifier

World Geodetic System / WGS84

Number of dimensions

2

Dimension name

row Row

Dimension size

47040

Resolution

0.0029761905 deg

Dimension name

column Column

Dimension size
120960

Resolution
0.0029761905 deg

Cell geometry
area Area

Transformation parameter availability
false

Checkpoint Availability
true

Checkpoint Description
Upperleft corner tiepoint

Point in Pixel

- Center

Distribution format

- NetCDF (4.2.1.1)

Specification
Network Common Data Form

Distributor

Distributor

[VITO NV](#)
Boeretang 200 Mol 2400 Belgium

Hours of service
Office hours, 7 days per week

Contact instructions
Preferrably by e-mail

Website
[Data portal](#)

Copernicus Global Land Service website

Fees
Free by ftp and EUMETcast; cost of medium by DvD or tape

Ordering instructions
Products can be downloaded online via HTTP (or FTP) or can be received through EUMETCast satellite reception in Europe, Africa and Latin-America. When ordering products from the online archive or subscribing to receive future products, users are informed via e-mail whenever the requested products are ready to be downloaded on the FTP server.

Units of distribution
Per product

OnLine resource
[Copernicus Global Land Service](#)

1. Search, download and custom order products from Catalogue and Ordering services

OnLine resource
[Copernicus Global Land Service](#)

2. Subscribe to receive future products via e-mail

Units of distribution
Per product

OnLine resource
[Copernicus Global Land Service](#)

3. Register to receive products via EUMETcast

Hierarchy level
dataset Dataset

Conformance result

Date (Publication)
2012-04-01

Explanation
<http://land.copernicus.eu/global/documents/ba300/v1/vr>

Pass
1

Conformance result

Date (Publication)
2010-04-26

Explanation
See the referenced specification

Pass
true

Statement
The burnt area surfaces are calculated from daily surface reflectances of PROBA-VEGETATION sensor. The burnt areas are surfaces which have been sufficiently affected by fire to display significant changes in the vegetation cover (destruction of dry material, reduction or loss of green material) and in the ground surface (temporarily darker because of ash). As fire can occur in any type of environmental context, the properties of the burnt surface may differ significantly from place to place. Therefore their identification is based on a combination of surface's properties and change detection, i.e. differences in spectral properties before and after the fire occurrence. The burn detections are provided at 333 m resolution, however the seasonality information are calculated per 0.5x0.5 degree grid cells and as such provided.

gmd:MD_Metadata

File identifier
urn:cgl:global:ba300_v1_333m [XML](#)

Metadata language
eng English

Character set
utf8 UTF8

Hierarchy level
series Series

Date stamp
2017-01-02

Metadata standard name
ISO19115

Metadata standard version
2003/Cor.1:2006

Point of contact

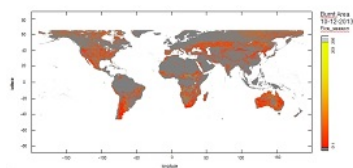
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Hours of service
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Contact instructions
Preferrably by e-mail

Website
[Copernicus Global Land service](#)
Copernicus Global Land website

Aperçus



Quick-look image of BA-FDOB_SEASON layer, with width and height sub-sampled to 5% of their original size

Fourni par



Partager

Ressources associées

Not available