

How to use JASMES Image Archive

Ver.1 : 2024/11/13

Ver.2 : 2025/02/25

Ver.3 : 2025/10/31

- [Usage](#)
- [Specify the content to be displayed by URL](#)
- [Product List](#)

- About JASMES Climate data
 - SGLI/GCOM-C: https://www.eorc.jaxa.jp/JASMES/SGLI_STD/about_sglistd.html
 - MODIS: <https://www.eorc.jaxa.jp/JASMES/datalist.html>
 - Datalist: https://www.eorc.jaxa.jp/JASMES/userguide/prdtable/userguide_jasmesmonitor_datalist.pdf

JASMES Image Archive Usage ①



2025.10.17 [Update] Striping may appear in the TIR data from October 18 to October 23. Please take this into account. For more details, please refer to the following link.

JASMES FORC User About Data FAQ

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Image Analyzer Image Archive

Products

Land Ocean Atmo. Cryo.

Land Surface Temperature
Normalized Difference Vegetation Index
Leaf Area Index
Above Ground Biomass
Fraction of Absorbed Photosynthetically Active Radiation
Atmospheric corrected reflectance RGB image
Total Evapotranspiration
Wild Fire Daytime
Wild Fire(FRP) Nighttime
Water Stress Trend

Area

Global (5km) Japan (1km, 250m)
Polar Stereo (North) Polar Stereo (South)
Gobi/Taklamakan Thai (1km)
Items that cannot be selected are grayed out.

Statistics period

1-day 8-day half-month 1-month

Statistics period

Obs/Anomaly ?

Observation Image Anomaly

Sensor (Satellite)

Daytime

SGLI (GCOM-C) MODIS (Terra)
MODIS (Aqua) MODIS (Terra+Aqua)
VIIRS (S-NPP) SGLI+VIIRS
VIIRS (MODIS) SGLI+VIIRS

① Products
After selecting a category(Land, Ocean, Atmosphere, or Cryosphere), click the button to switch the product.

② Area
Click the button to switch the area.
For detail of the target area and resolution, please refer to below.
[GCOM-C/SGLI](#)、[MODIS](#)

③ Statistics period
Click the button to switch daily/8-day/half-monthly/monthly average.
If the image cannot be displayed, the button will be grayed out.
The Anomaly image is only an 8-day or half monthly/monthly average.

④ Obs/Anomaly
Observation Image : Image of observation data drawn on a map.
Anomaly : For detail, please refer to [here](#).

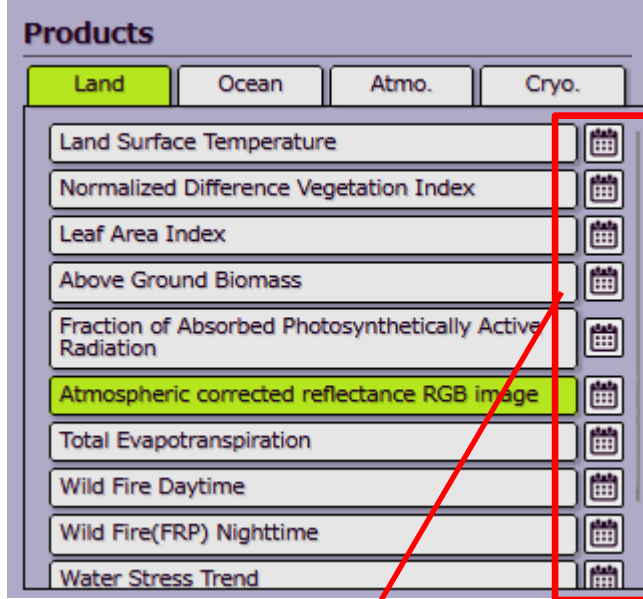
⑤ Sensor
Click the button to switch sensor.
It is divided into daytime and nighttime observations.

Show Monthly Statistics Graph

daytime

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JASMES Image Archive Usage ②



By clicking the calendar button next to the product button, you can view the data provision periods by region for each product.

If necessary, switch between the table view and the timeline chart view at the top to check the information.

Land Surface Temperature - Available Periods

Last updated: 2025-10-30 01:32:32 UTC

[Show Table](#) [Show Timeline Chart](#)

Area

[Global](#) [Japan](#) [Polar Stereo\(North\)](#) [Polar Stereo\(South\)](#) [Gobi/Taklamakan](#) [Thai](#)

Observation

Sensor	1-day	8-day	Half-month	1-month
SGLI(GCOM-C) Daytime	2018-01-01 - 2025-10-28	2018-01-01 - 2025-10-16	-	2018-01 - 2025-09
MODIS(Terra+Aqua)	2012-07-01 - 2025-10-28	-	2020-01-01 - 2025-10-01	2000-03 - 2025-09
MODIS(Terra)	2012-01-01 - 2025-10-28	-	-	-
MODIS(Aqua)	2012-01-01 - 2025-10-28	-	-	-
SGLI(GCOM-C) Nighttime	2018-01-01 - 2025-10-28	2018-01-01 - 2025-10-16	-	2018-01 - 2025-09

Anomaly

Sensor	1-day	8-day	Half-month	1-month
SGLI(GCOM-C) Daytime	-	2018-01-01 - 2025-10-16	-	2018-01 - 2025-09
SGLI(GCOM-C) Nighttime	-	2018-01-01 - 2025-10-16	-	2018-01 - 2025-09

Land Surface Temperature - Available Periods

Last updated: 2025-10-30 01:32:32 UTC

[Show Table](#) [Show Timeline Chart](#)

Area

[Global](#) [Japan](#) [Polar Stereo\(North\)](#) [Polar Stereo\(South\)](#) [Gobi/Taklamakan](#) [Thai](#)

Statistics period

[1-day](#) [8-day](#) [Half-month](#) [1-month](#)

Observation

Land Surface Temperature (Global)

Statistics period: 1-day

Sensor

2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025

JASMES Image Archive Usage ③ (Daily)

JSMES

2025.10.17
[Update]

Striping may appear.
Please take more details, please.

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Products

Land Ocean Atmo. Cryo.

Land Surface Temperature

Normalized Difference Vegetation Index

Leaf Area Index

Above Ground Biomass

Fraction of Absorbed Photosynthetically Active Radiation

Atmospheric corrected reflectance RGB image

Total Evapotranspiration

Wild Fire Daytime

Wild Fire(FRP) Nighttime

Water Stress Trend

Area

Atmospheric corrected reflectance
RGB image
(2025/10/29)

Show Monthly Statistics Graph

SGLI(GCOM-C)
daytime

-1 year -1 month -1 day 2025 / 10 / 29 +1 day +1 month +1 year Latest

Image

An image corresponding to the designation from ① to ⑥ will be displayed.
Scrolling the mouse over the image changes it to the previous or next date.
Clicking on the image will display an enlarged image in a new tab.

Thumbnail view

displays a calendar of thumbnail images for one month in the specified month.Clicking on a thumbnail image changes the date, and the image above changes to the specified date.

Statistics period

Obs/Anomaly ?

Observation Image Anomaly

Items that cannot be selected are grayed out.

Sensor (Satellite)

Daytime

SGLI (GCOM-C)

MODIS (Terra)

MODIS (Aqua)

MODIS (Terra+Aqua)

VIIRS (S-NPP)

SGLI+VIIRS

Sun	Mon	Tue	Wed	Thu	Fri	Sat

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JASMES Image Archive Usage ④ (8-day)



2025.10.17
[Update]

Striping may appear in the TIR data from October 18 to October 23. Please take this into consideration when using the data. For more details, please refer to [the TIR Event List](#).

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⑥ Date

button or select box to specify the date.

Atmospheric corrected reflectance
RGB image
(2025/01/01~2025/01/08)

Show Monthly Statistics Graph

SGLI(GCOM-C)
daytime

Land Ocean Atmo. Cryo.

Land Surface Temperature

Normalized Difference Vegetation Index

Leaf Area Index

Above Ground Biomass

Fraction of Absorbed Photosynthetically Active Radiation

Atmospheric corrected reflectance RGB image

Total Evapotranspiration

Wild Fire Daytime

Wild Fire(FRP) Nighttime

Water Stress Trend

-1 year

-1 month

-8 day

2025

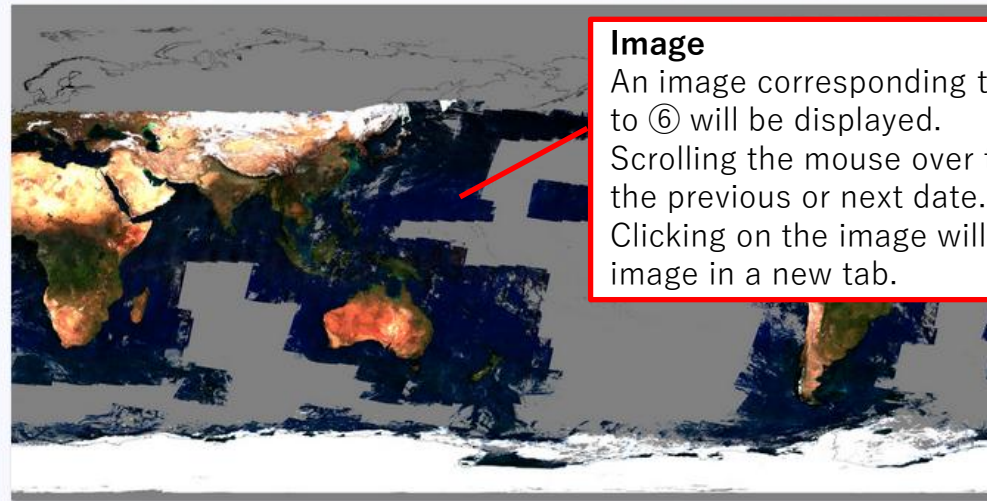
01/01~01/08

+8 day

+1 month

+1 year

Latest



Image

An image corresponding to the designation from ① to ⑥ will be displayed.

Scrolling the mouse over the image changes it to the previous or next date.

Clicking on the image will display an enlarged image in a new tab.

thumbnail view

Displays a calendar of thumbnail images for a specified year. Clicking on a thumbnail image changes the date, and the image above changes to the specified date.

1-day

8-day

half-month

1-month

Statistics period

Obs/Anomaly ?

Observation Image

Anomaly

Items that cannot be selected are grayed out.

Sensor (Satellite)

Daytime

SGLI (GCOM-C)

MODIS (Terra)

MODIS (Aqua)

MODIS (Terra+Aqua)

VIIRS (S-NPP)

SGLI+VIIRS

AVHRR+MODIS

AMSR (GCOM-W)

Items that cannot be selected are grayed out.



JASMES Image Archive Usage ⑤ (Half-Monthly)



2025.10.17
[Update]

Striping may appear in the TIR data from October 18 to October 23. Please take this into consideration when using the data. For more details, please refer to [the TIR Event List](#).

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⑥ Date

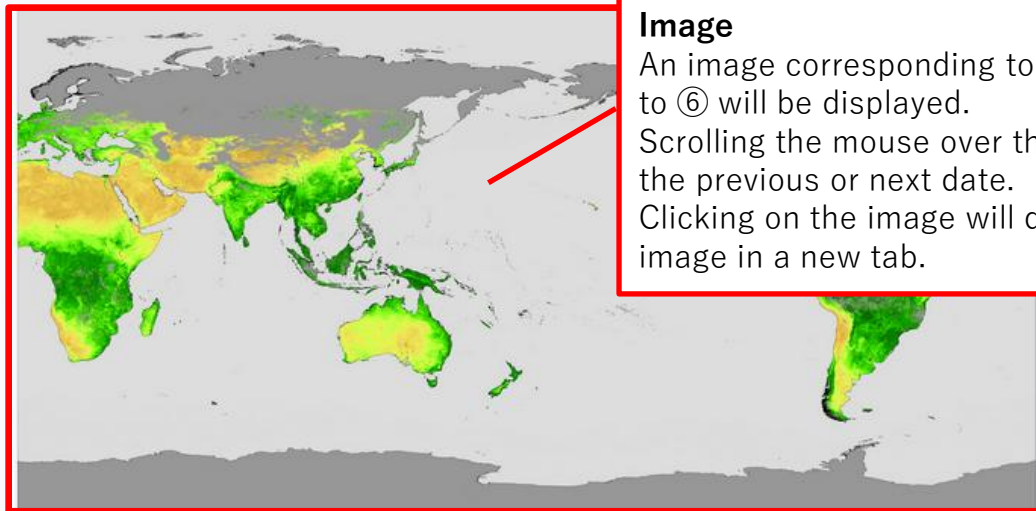
button or select box to specify the date.

Normalized Difference Vegetation
Index
(2025/01/01~2025/01/15)

Show Monthly Statistics Graph

MODIS(GCOM-C)
daytime

-1 year -1 month -0.5 month 2025 1 01~15 +0.5 month +1 month +1 year Latest



Image

An image corresponding to the designation from ① to ⑥ will be displayed.

Scrolling the mouse over the image changes it to the previous or next date.

Clicking on the image will display an enlarged image in a new tab.

thumbnail view

Displays a calendar of thumbnail images for the past 3 years. Clicking on a thumbnail image changes the date, and the image above changes to the specified date.

Statistics period

1-day 8-day half month 1-month

Statistics period

Obs/Anomaly ?

Observation Image Anomaly

Items that cannot be selected are grayed out.

Sensor (Satellite)

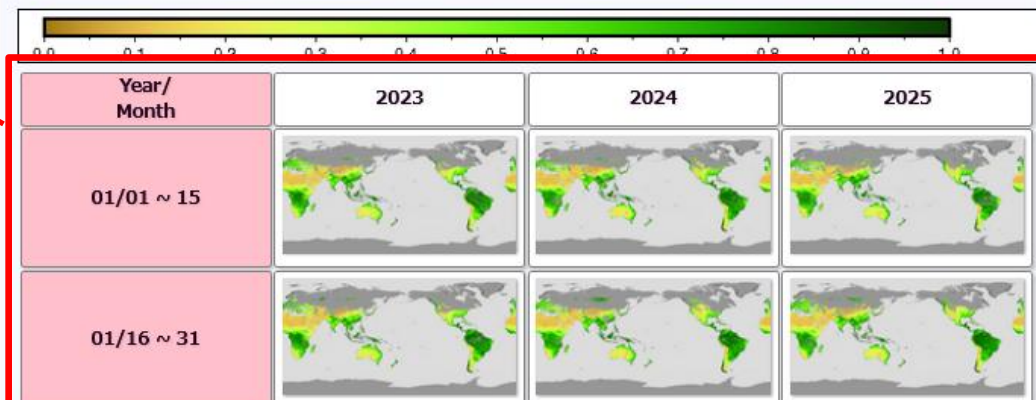
Daytime

SGLI (GCOM-C) MODIS (Terra)

MODIS (Aqua) MODIS (Terra+Aqua)

VIIRS (S-NPP) SGLI+VIIRS

AVHRR+MODIS AMSR (GCOM-W)



JASMES Image Archive Usage ⑥ (Monthly)



2025.10.17
[Update]

Striping may appear in the TIR data from October 18 to October 23. Please take this into consideration when using the data. For more details, please refer to [the TIR Event List](#).

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⑥ Date

button or select box to specify the date.

Normalized Difference Vegetation
Index
(2025/01)

Show Monthly Statistics Graph

MODIS(GCOM-C)
daytime

Land Ocean Atmo. Cryo.

Land Surface Temperature

Normalized Difference Vegetation Index

Leaf Area Index

Above Ground Biomass

Fraction of Absorbed Photosynthetically Active Radiation

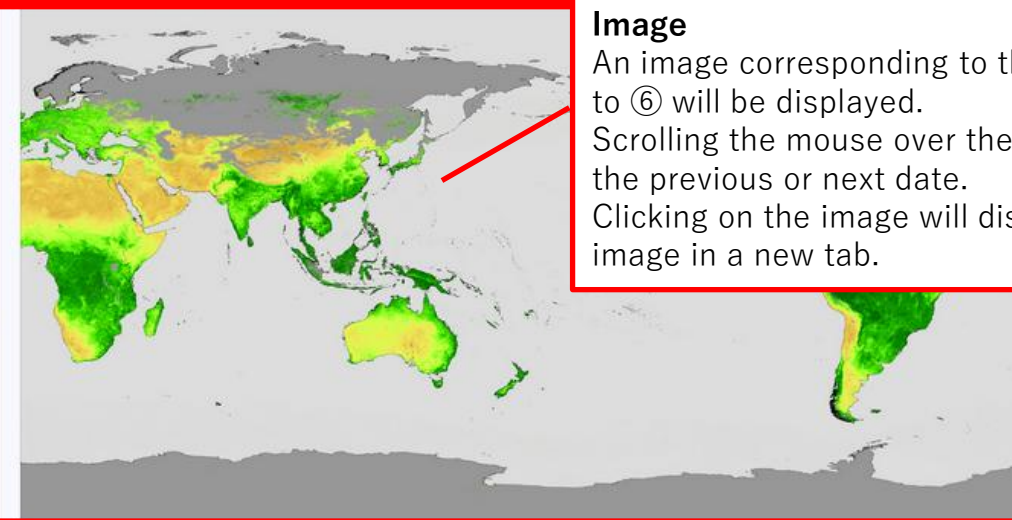
Atmospheric corrected reflectance RGB image

Total Evapotranspiration

Wild Fire Daytime

Wild Fire(FRP) Nighttime

-1 year -1 month 2025 1 +1 month +1 year Latest



Image

An image corresponding to the designation from ① to ⑥ will be displayed.
Scrolling the mouse over the image changes it to the previous or next date.
Clicking on the image will display an enlarged image in a new tab.

thumbnail view

Displays a calendar of thumbnail images for the past 3 years. Clicking on a thumbnail image changes the date, and the image above changes to the specified date.

Statistics period

1-day 8-day half-month 1-month

Statistics period

Obs./Anomaly ?

Observation Image Anomaly

Items that cannot be selected are grayed out.

Sensor (Satellite)

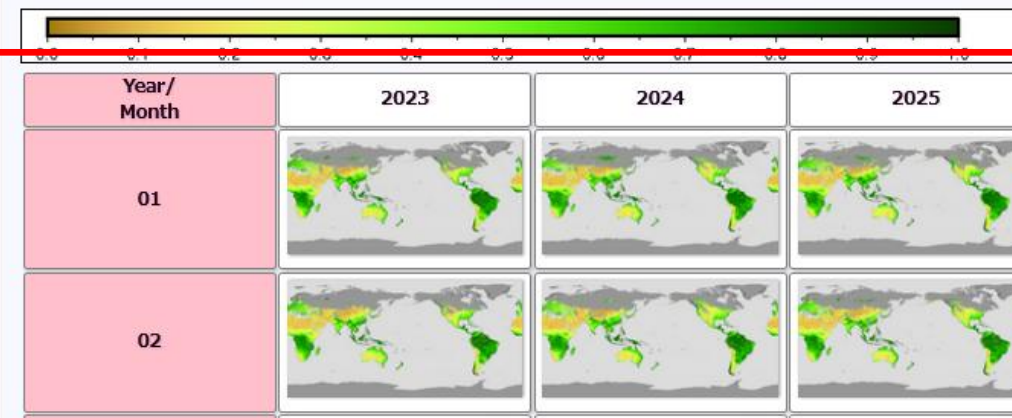
Daytime

SGLI (GCOM-C) MODIS (Terra)

MODIS (Aqua) MODIS (Terra+Aqua)

VIIRS (S-NPP) SGLI+VIIRS

AVHRR+MODIS AMSR (GCOM-W)



➤ Specify the content to be displayed by URL



By adding "[Name]=[Value]" after the URL, you can specify the content to be displayed.

Please use it for bookmarking and sharing.

Name (URL)		value (URL)
area	Global (5km)	g
	Japan (1km, 250m)	j
	Polar Stereo (North)	np
	Polar Stereo (Sounth)	sp
	Gobi/Taklamakan	sp
	Thai (1km)	sp
term	Daily	1d
	8-day	8d
	Half-Monthly	hm
	Monthly	1m
mode	Observation Image	obs
	Anomaly	anom
sensor	SGLI/GCOM-C (daytime)	sglid
	MODIS/Terra (daytime)	mod
	MODIS/Aqua (daytime)	myd
	MODIS/Terra+Aqua (daytime)	mds
	VIIRS S-NPP (daytime)	viirsa
	AMSR/GCOM-W (daytime)	amsr
	SGLI/GCOM-C (nighttime)	mds
	VIIRS S-NPP (nighttime)	viirsd
prod	Product ID	Please refer to JASMES SGLI Standard Product List.
date	Date	yyyymmdd

Example) Global / Observation Image / Atmospheric corrected reflectance RGB / Descending / Daily / Aplil 10, 2023

<https://www.eorc.jaxa.jp/JASMES/Image/archive.html?area=g&mode=obs&prod=RSRF&drct=D&term=1d&date=20230410>⁹

➤ Image Archive

[illegible]

➤ JASMES Image Archive Product List ②

➤ Products that can be displayed are as follows. Please use the product ID when specifying the URL.

Category	Product	Product ID	Sensor	mode	Observation																				Anomaly																				
				area	Global								Japan								Polar				Gobi	Thai			Global						Japan										
				term	1D		8D		HM		1M		1D		8D		HM		1M		1D		8D		1M		1D		HM		1M		8D		HM		1M		8D		HM		1M		
				Day/Night	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N			
Atmosphere	Shortwave radiation	SWR	GCOM/SGLI		○	-	○	-	-	-	○	-	○	-	○	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atmosphere	Shortwave radiation	SWR	MODIS/Terra		-	-	-	-	-	-	-	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atmosphere	Shortwave radiation	SWR	MODIS/Aqua		-	-	-	-	-	-	-	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atmosphere	Shortwave radiation	SWR	VIIRS		○	-	-	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atmosphere	Temperature of CCloud Top layer	CLTT	GCOM/SGLI		○	○	○	○	-	-	○	○	○	-	○	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atmosphere	Optical Thickness of water cloud droplets	COTW	GCOM/SGLI		○	○	○	○	-	-	○	○	○	-	○	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atmosphere	Cloud type composite	CFRG	GCOM/SGLI		○	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atmosphere	Ratio of the number of cloud pixels(Cloud type composite)	CLTP	GCOM/SGLI		-	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atmosphere	Ratio of the number of cloud pixels(Cirrus)	CFR1	GCOM/SGLI		○	-	○	-	-	-	○	-	-	-	○	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atmosphere	Ratio of the number of cloud pixels(Cirro-stratus)	CFR2	GCOM/SGLI		○	-	○	-	-	-	○	-	-	-	○	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atmosphere	Ratio of the number of cloud pixels(Deep convection)	CFR3	GCOM/SGLI		○	-	○	-	-	-	○	-	-	-	○	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atmosphere	Ratio of the number of cloud pixels(Alto-cumulus)	CFR4	GCOM/SGLI		○	-	○	-	-	-	○	-	-	-	○	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atmosphere	Ratio of the number of cloud pixels(Alto-stratus)	CFR5	GCOM/SGLI		○	-	○	-	-	-	○	-	-	-	○	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atmosphere	Ratio of the number of cloud pixels(Nimbo-stratus)	CFR6	GCOM/SGLI		○	-	○	-	-	-	○	-	-	-	○	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atmosphere	Ratio of the number of cloud pixels(Cumulus)	CFR7	GCOM/SGLI		○	-	○	-	-	-	○	-	-	-	○	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atmosphere	Ratio of the number of cloud pixels(Strato-cumulus)	CFR8	GCOM/SGLI		○	-	○	-	-	-	○	-	-	-	○	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atmosphere	Ratio of the number of cloud pixels(Stratus)	CFR9	GCOM/SGLI		○	-	○	-	-	-	○	-	-	-	○	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atmosphere	Ratio of the number of cloud pixels(ALL)	CFRA	GCOM/SGLI		○	○	○	○	-	-	○	○	-	-	○	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atmosphere	Ratio of the number of cloud pixels(High)	CFRH	GCOM/SGLI		-	○	-	○	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atmosphere	Ratio of the number of cloud pixels(Middle)	CFRM	GCOM/SGLI		-	○	-	○	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atmosphere	Ratio of the number of cloud pixels(Low)	CFRH	GCOM/SGLI		-	○	-	○	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atmosphere	Cloud flag	CFLG	GCOM/SGLI		○	○	-	-	-	-	-	-	○	-	○	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atmosphere	Large Particle Ratio	LPR	MODIS/Terra		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atmosphere	Large Particle Ratio	LPR	MODIS/Aqua		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atmosphere	RGB image(R:1,G:4,B:3)、TrueColor	RGB1	MODIS/Terra		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Atmosphere	RGB image(R:1,G:4,B:3)、TrueColor	RGB1	MODIS/Aqua		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Atmosphere	RGB image(R:7,G:5,B:2)、FalseColor	RGB2	MODIS/Terra		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Atmosphere	RGB image(R:7,G:5,B:2)、FalseColor	RGB2	MODIS/Aqua		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Atmosphere	RGB image(TAUA)	TAU-RGB	MODIS/Terra		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Atmosphere	RGB image(TAUA)	TAU-RGB	MODIS/Aqua		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

➤ JASMES Image Archive Product List ③



➤ Products that can be displayed are as follows. Please use the product ID when specifying the URL.

Category	Product	Product ID	Sensor	mode	Observation																		Anomaly																					
				area	Global								Japan								Polar			Gobi	Thai			Global						Japan										
				term	1D		8D		HM		1M		1D		8D		HM		1M		1D		8D		1M		1D		HM		1M		8D		HM		1M		8D		HM		1M	
				Day/Night	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N		
Atmosphere	Aerosol Optical thickness [WL = 412.46 nm]	TAU1	MODIS/Terra		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atmosphere	Aerosol Optical thickness [WL = 412.46 nm]	TAU1	MODIS/Aqua		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atmosphere	Aerosol Optical thickness [WL = 466.07 nm]	TAU2	MODIS/Terra		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atmosphere	Aerosol Optical thickness [WL = 466.07 nm]	TAU2	MODIS/Aqua		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atmosphere	Aerosol Optical thickness [WL = 553.91 nm]	TAU3	MODIS/Terra		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atmosphere	Aerosol Optical thickness [WL = 553.91 nm]	TAU3	MODIS/Aqua		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atmosphere	Aerosol Optical thickness [WL = 645.83 nm]	TAU4	MODIS/Terra		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atmosphere	Aerosol Optical thickness [WL = 645.83 nm]	TAU4	MODIS/Aqua		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atmosphere	Aerosol Optical thickness [WL = 856.88 nm]	TAU5	MODIS/Terra		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atmosphere	Aerosol Optical thickness [WL = 856.88 nm]	TAU5	MODIS/Aqua		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atmosphere	Aerosol Optical thickness [WL = 2113.97 nm]	TAU6	MODIS/Terra		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atmosphere	Aerosol Optical thickness [WL = 2113.97 nm]	TAU6	MODIS/Aqua		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atmosphere	Aerosol Optical thickness	TAUA	MODIS/Terra+Aqua			○	-	-	-	-	○	-	-	○	-	-	○	-	-	○	-	-	-	-	-	-	○	-	-	○	-	-	-	-	○	-	○	-	-	-	-	-	-	-
Atmosphere	Aerosol Optical thickness	TAUA	VIIRS			○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Atmosphere	UV-B	UVB	MODIS/Terra		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Atmosphere	UV-B	UVB	MODIS/Aqua		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Atmosphere	UV-B	UVB	VIIRS			○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cryosphere	Snow and Ice Surface Temperature	SIST	GCOM/SGLI			○	○	○	○	-	-	○	○	○	-	○	-	○	○	○	○	○	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cryosphere	Snow and Ice Covered area	SICE	GCOM/SGLI			○	○	○	○	-	-	○	○	○	-	○	-	○	○	○	○	○	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cryosphere	Snow and Ice Covered area	CSF	MODIS/Terra+Aqua			○	-	-	-	○	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	○	-	○	-	-	-	-	-	-	
Cryosphere	Snow and Ice Covered area	CSF	SGLI + VIIRS			○	-	-	-	○	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	○	-	○	-	-	-	-	-	-	
Cryosphere	Sea Ice Concentraton	SIC	AMSR		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cryosphere	Snow Depth	SND	AMSR		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	