

Web References for GCOM-C/SGLI Higher-Level Products

2025/10/10

Satellite / Sensor

GCOM-C@EORC

- ✓ Purpose and observation target
- ✓ Satellite / sensor specifications
- ✓ List of treatises

SHIKISAI Portal

- ✓ Processing status
- ✓ Observation plan
- ✓ Event list
- ✓ Fisheries Usage Site

Data Provision

G-Portal

JASMES

GEE Engineering Verification

SGLI products

Definition of Processing Levels

Processing flow

Standard Product & Algorithm

Research Products & Algorithm

Monitoring Site

JASMES

near realtime data access、Image Analyzer、Image Archive、FAI Monitor

GEE Ibay monitor

JAXA Earth Dashboard

Sea of Okhotsk

GCOM-C@EORC (https://suzaku.eorc.jaxa.jp/GCOM_C/index.html)

- General information of GCOM-C/SGLI (the purpose, observation targets, satellite / sensor specifications, etc.) is posted.

GCOM-C
Global Change Observation Mission-Climate

HOME GCOM-Cを知る 観測センサを知る データを使う 資料を読む 地球を見る

気候変動観測衛星
しきさい (GCOM-C)

SGLIの観測波長とプロダクト 打ち上げ前校正 衛星軌道マップ しきさいポータル 画像ギャラリー PI's DOOR

ニュース&トピックス

2021年03月22日
JASMES Map Monitorの物理量に、林野火災放射量(FRP)を追加しました。

2021年03月01日
SGLI標準モニタにプロダクト追加し、2020年1月からVer.2データの再処理を行いました。

2021年01月05日
流れ藻モニタを公開しました。

2020年06月29日
標準プロダクト(Ver.2)がリリースされました。

2020年06月02日
2020年6月下旬公開予定のVer.2プロダクト紹介ページを公開しました。

2020年05月29日
画像ギャラリーを更新しました。

Image Gallery

「しきさい」が捉えた日本列島の季節変化

- Users are also advised to refer to the Data User Handbook.

[https://gportal.jaxa.jp/gpr/assets/mng_upload/GCOM-C/GCOM-C SHIKISAI Data Users Handbook en.pdf](https://gportal.jaxa.jp/gpr/assets/mng_upload/GCOM-C/GCOM-C_SHIKISAI_Data_Users_Handbook_en.pdf)

SHIKISAI Portal (https://shikisai.jaxa.jp/index_en.html)

- The SHIKISAI Portal provides information such as data processing status, observation plans, and on-orbit event information. It also includes FAQs about products and data access.



SHIKISAI PORTAL

Earth's rich array of colors from space



HOME

Data Access
& Use Data

GEE Engineering
Verification

Data Status

LINKS

About us

Japanese

Data Information

Data Progression status

- [Data Status\(month to month\)](#)
- [Data Status\(day by day\)](#)
(standard products)
- [Data Status\(day by day\)/near
realtime\)](#)
- [Tile Number Check](#)

Observation plans

Operational Events

Data Missing

TIR Event List

Version History

Known Problems

Ver.3 Info

SHIKISAI GeoTIFF

News/Topics



News

Topics

2025.6.2

NEW

URL of GEE Engineering Verification has changed.

2025.5.7

"Data Access & Use Data" has been renewed.

2025.3.31

"Tile Number Check" released.

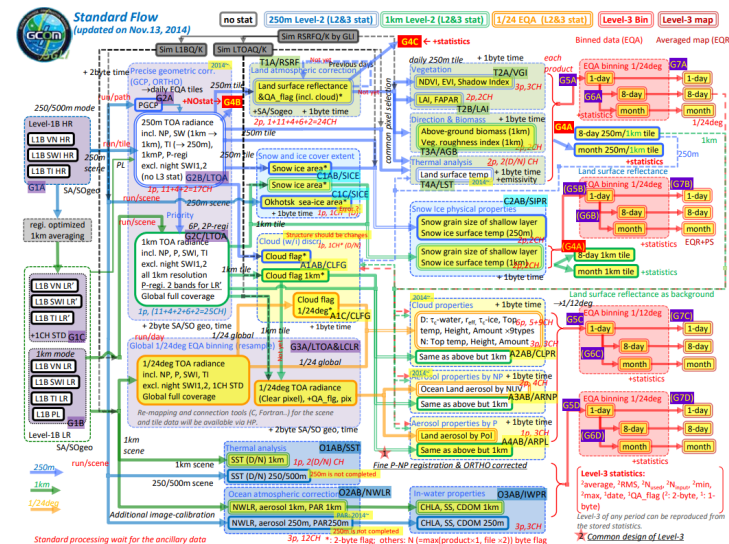
2024.11.18

SGLI polarization observation status was presented

SGLI products

Processing flow (https://suzaku.eorc.jaxa.jp/GCOM_C/data/product_flow_j.html)

- The dependencies of each product.



Standard Product & Algorithm (https://suzaku.eorc.jaxa.jp/GCOM_C/data/product_std_j.html)

Research Products & Algorithm (https://suzaku.eorc.jaxa.jp/GCOM_C/data/product_re_j.html)

- There are product list , definitions, and algorithm standards (ATBD).

Ver.1	Ver.2	Ver.3				
Category	Product [ID*1]	Definition & Unit*2	Algorithm ID	Responsible Person	ATBD (update date)	Ver.3 update contents
Radiance	Level-1A [VNR/IRS/POL]	Def.: Sensor output (digital counts) Unit: none	G1	JAXA	-	• Not changed (Major version is continued as Ver.2. Minor version is updated.)
	Level-1B [VNR/IRS/POL]	Def.: Calibrated radiance (granule scene or path data projected on reference coordinate) Unit: W/m ² /um/sr	G1	JAXA	-	• Not changed (Major version is continued as Ver.2. Minor version is updated.)
	LTOA (Tile)	Def.: Top of atmosphere (TOA) radiance Unit: W/m ² /um/sr	G2A G2B G2C	JAXA Hashimoto Takaku	Ver.1 (Sep. 2020) 🔗	• Not changed (Major version is continued as Ver.2. Minor version is updated.)
	LTOA (Global)		G3A	H. Murakami	Ver.1 (Oct. 2018) 🔗 Ver.3 (Oct. 2021) 🔗	• Modified pixel selection method
	LCLR (Global)	Def.: Top of atmosphere (TOA) radiance only for clear Unit: W/m ² /um/sr				• Modified pixel selection method (Heavy aerosol flag of CLFG is used as clear sky)
Land	Atmospheric corrected reflectance [RSRF]	Def.: Land surface reflectance corrected for the effects of atmospheric scattering and absorption. Correction of directional anisotropic effects	T1A	H. Murakami	Ver.1 (Oct. 2018) 🔗 Ver.2 (Mar. 2020) 🔗 Ver.3 (Oct. 2021) 🔗	• Modified coefficients of cloud, discrimination of shadow, and surface reflectance. • Added polarized reflectances (Rp_PL01, Rp_PL02) to Image_data.

Data Provision

G-Portal (<https://gportal.jaxa.jp/gpr/>)

- Standard products of GCOM-C can be searched and downloaded in GeoTIFF or HDF5 format.

様々な分野で利用いただくことを目的とした地球観測データを無償で提供

G-Portal

[トップへ](#) | [初めての方へ](#) | [サポート](#) | [ログイン](#)

[保存した検索条件の呼び出し](#) [検索条件の保存](#)

背景地図の変更 [Google ストリート](#)

[ガイダンスを表示](#)

1.絞り込み 2.期間指定 3.範囲指定

物理量から選ぶ 衛星、センサから選ぶ

1.絞り込み条件を設定します。

単語での絞り込み

[絞り込み](#)

処理レベル [すべて](#) 機能 [すべて](#)

☒	GCOM-C/SGLI		
☐	LEVEL1		
☒	海洋圏		
☐	L3-正規化海水射出放射輝度	i	設定
☐	L3-大気補正パラメータ	i	設定
☐	L3-光合成有効放射	i	設定
☐	L3-クロロフィルa濃度	i	設定
☐	L3-懸濁物質濃度	i	設定
☐	L3-有色溶存有機物吸光係数	i	設定
☒	L3-海面水温	i	設定
☐	雪水圏		

(Physical quantity, Period, Target area)

[検索する](#)

(product coverage on the map)



検索結果一覧

[リスト表示\(24件\)](#)

[サムネイル表示\(24件\)](#)

[マイリスト\(要ログイン\)](#)

[一覧保存\(要ログイン\)](#)

[生産状況\(要ログイン\)](#)

[選択プロダクトを一括ダウンロード](#)

[選択プロダクトを一括加工へ](#)

[選択プロダクトをマイリストへ](#)

[一覧保存](#)

[一覧ダウンロード](#)

(Result)

	プロダクト名	物理量名	衛星センサ名	観測開始日(UTC)
☐	L3-海面水温	海面水温	GCOM-C/SGLI	2021-03-17 00:01:31.41
☐	L3-海面水温	海面水温	GCOM-C/SGLI	2021-03-17 00:01:31.41
☐	L3-海面水温	海面水温	GCOM-C/SGLI	2021-03-17 00:49:49.84
☐	L3-海面水温	海面水温	GCOM-C/SGLI	2021-03-17 00:49:49.84
☐	L3-海面水温	海面水温	GCOM-C/SGLI	2021-03-18 00:02:03.46

Data Provision

Monitoring Site

JASMES (https://www.eorc.jaxa.jp/JASMES/index_j.html)

- Upon user registration, NetCDF data can be downloaded from the FTP site.

The screenshot displays the JASMES Portal website. At the top, there is a navigation bar with links for Portal TOP, EORC GCOM-C, About Data, Data Access, and FAQ. Below this is a header section with the JASMES logo and the text "JAXA Satellite Monitoring for Environmental Studies". The main content area is divided into several sections:

- NEWS**: A list of recent updates, including a new product display on the JASMES Image Archive and JASMES Image Analyzer, a tutorial page for converting JASMES MODIS data to netCDF, and updates to the JASMES statistical aerosol product and GCOM-C/SGLI aerosol estimation.
- SERVICE**: A section with a "Target" dropdown menu set to "ALL". Below this are six tiles for different monitoring services:
 - JASMES Image Analyzer**: Displays observation data of climate on a global map. Sensor: GCOM-C/SGLI Aqua • Terra/MODIS Suomi NPP/VIIRS. Target: Land, Ocean, Atmosphere, Cryosphere, RGB.
 - JASMES Image Archive**: Provides Map-projected observation images of climate in Global, Japan, Gobi, Polar, and Thai. Sensor: GCOM-C/SGLI Aqua • Terra/MODIS Suomi NPP/VIIRS GCOM-W/AMSR2. Target: Land, Ocean, Atmosphere, Cryosphere, RGB.
 - SGLI Near-realtime Monitor**: Provides a list of Map-projected observation images around Japan on a near real-time basis. Sensor: GCOM-C/SGLI. Target: Ocean, Cryosphere, RGB.
 - JASMES for water cycle**: Provides water cycle data.
 - FAI Monitor**: Provides FAI data.
 - Ibay Monitor**: Provides Ibay data.

GEE Engineering Verification (https://www.eorc.jaxa.jp/JASMES/index_j.html)

- Some products around Japan are available to the public.
- They can be downloaded in GeoTIFF format.

SHIKISAI PORTAL
GEE Engineering Verification

SHIKISAI Portal Menu
[TOP](#) [Data Access](#) [Data Information](#) [LINKS](#)

日本語

Data List **Shikisai Observation Calendar** **Tutorial** **Case Studies** **FAQ** **Sample Script**

About the Engineering Verification using GEE

This site is Engineering Verification using Google Earth Engine (GEE).
 For details of how to use GEE data, please refer to [here](#).
 G-Portal standard 250m products are converted to GEE format and published.
 The daily data around Japan are released approximately from the next day after the observation.
 It can be [programmed](#) by registering with [Google Earth Engine \(GEE\)](#).
 Pres "Script" for each data.

What's new

2025/9/24
New The URL of the GEE Apps will be changed. For details of the changed GEE Apps URL, please refer to [here](#).

2024/11/12
New The URL of the FAI monitor and Ibay monitor (GEE version) will be changed. For details of the changed GEE Apps URL, please refer to [here](#).

2024/4/5
 Some changes have been made to the GEE Image naming convention. Please see the data list for details.

2024/3/26
 Renewal of the "Tutorial" section of The GEE Engineering Verification and addition of "Tutorials" and "Use Cases".

FAI / Ibay Monitor

- GEE Ibay Monitor
- GEE FAI Monitor

Shikisai Observation Calendar

[Shikisai Observation Calendar.](#)

Data List

A list of data that can be used as GEE engineering verification.
 See the list page for details and sample scripts.
 You can check each images on the Earth Engine Apps from each items. [Data list](#)

Case studies

A collection of GEE examples of observations at SHIKISAI.

- [Images from around Japan](#)
- Timeseries Graph
 - [Monthly mean Sea Surface Temp.](#)
 - [Monthly mean Chlorophyll-a](#)

Monitoring Site

JAXA Earth Dashboard (<https://earth.jaxa.jp/dashboard/>)

- Data from other JAXA satellites, as well as from Shikisai, are also available for viewing.

