1. Data list

The data provided on JASMES website.

1. 1. JASMES

No	Area	resolution	Sensor	Category	Product		Daily	Weekly	Monthly	8-day	Climate
1	Global	5km	Terra・Aqua/MODIS	Atmosphere	aot	atmosphere optical thickness	○	-	○	-	-
2	Global	5km	Terra・Aqua/MODIS	Ocean	chla	Phytoplankton abundance (Chlorophyll-a)	○	-	○	-	-
3	Global	5km	Terra・Aqua/MODIS	Atmosphere	dpar	Direct PAR	○	-	○	-	-
4	Global	5km	Terra・Aqua/MODIS	Land	lst	Land Surface Temperature	○	-	-	-	-
5	Global	5km	Terra・Aqua/MODIS	-	multi	par data including subparameters	○	-	○	-	-
6	Global	5km	Terra・Aqua/MODIS	Land	ndvi	Activity of Vegetation (NDVI)	○	-	○	-	-
7	Global	5km	Terra・Aqua/MODIS	Ocean	olst	Ocean and Land Surface Temperature	○	-	○	-	-
8	Global	5km	Terra・Aqua/MODIS	Atmosphere	par	Photosynthetically Available Radiation	○	-	○	-	-
9	Global	5km	Terra・Aqua/MODIS	-	ptw	Precipitable Water	○	-	○	-	-
10	Global	5km	Terra・Aqua/MODIS	-	rgb	Rayleigh corrected reflectance RGB	○	-	○	-	-
11	Global	5km	Terra・Aqua/MODIS	Atmosphere	rpar	surface Reflectance weighted by PAR wavelengths & solar irradiance	○	-	○	-	-
12	Global	5km	Terra・Aqua/MODIS	Cryosphere	snwcfr_JXAM5_M5C	Long-term Snow Cover Extent using AVHRR and MODIS (Terra-Aqua)	○	○	○	-	-
13	Global	5km	Aqua/MODIS	Cryosphere	snwcfr_JXAM5_A5C	Long-term Snow Cover Extent using AVHRR-MODIS (Aqua)	○	○	○	-	-
14	Global	5km	Terra・Aqua/MODIS	Cryosphere	snwcfr_JXM10	Long-term Snow Cover Extent using MODIS (Terra-Aqua)	○	-	○	-	-
15	Global	5km	Terra・Aqua/MODIS	Ocean	sst	Sea Surface Temperature	○	-	-	-	-
16	Global	5km	Terra・Aqua/MODIS	Atmosphere	swr	Shortwave Radiation	○	-	○	-	-
17	Global	5km	Terra・Aqua/MODIS	Atmosphere	taua	Aerosol abundance (Optical thickness)	○	-	○	-	-
18	Global	5km	Terra・Aqua/MODIS	Atmosphere	tip	Transmittance of Instantaneous PAR at noon	○	-	○	-	-
19	Global	5km	Terra・Aqua/MODIS	Atmosphere	uva	UV-A	○	-	○	-	-
20	Global	5km	Terra・Aqua/MODIS	Atmosphere	uvb	UV-B	○	-	○	-	-
21	Global	5km	Terra・Aqua/MODIS	-	values	semimonthly values of individual parameters	-	-	-	-	-
22	Global	5km	VIIRS	-	VIIRS_FL	FL: Flax TAOT_550: "Total atmosphere optical thickness of 550-nm band" ; TAAE: "Total atmosphere angstrom exponent" ; PAR: "Photosynthetically active radiation (daily mean)" ; SWR: "Shortwave radiation (daily mean)" ; UVA: "UltraViolet-A radiation (daily mean)" ; UVB: "UltraViolet-B radiation (daily mean)" ; QA_flag	○	-	-	-	-

No	Area	resolution	Sensor	Category	Product		Daily	Weekly	Monthly	8-day	Climate
23	Global	5km	VIIRS	-	VIIRS_KD	KD: Diffuse Attenuation Coefficient (Kd) SW_M01: "Shortwave irradiance of band M01（412.0nm)" ; SW_M02: "Shortwave irradiance of band M02（443.6nm)" ; SW_M03: "Shortwave irradiance of band M03（486.3nm)" ; SW_M04: "Shortwave irradiance of band M04（550.7nm)" ; SW_M05: "Shortwave irradiance of band M05（671.5nm)" ; SW_I01: "Shortwave irradiance of band I01（638.5nm)" ; Kd_M01: "Diffuse attenuation coefficient of band M01（412.0nm)" ; Kd_M02: "Diffuse attenuation coefficient of band M02（443.6nm)" ; Kd_M03: "Diffuse attenuation coefficient of band M03（486.3nm)" ; Kd_M04: "Diffuse attenuation coefficient of band M04（550.7nm)" ; Kd_M05: "Diffuse attenuation coefficient of band M05（671.5nm)" ; Kd_I01: "Diffuse attenuation coefficient of band I01（638.5nm)" ; TAOT_550: "Total atmosphere optical thickness of 550-nm band" ; TAAE: "Total atmosphere angstrom exponent" ;	○	-	-	-	-
24	Global	5km	VIIRS	-	VIIRS_OC	OC: Ocean color Rw_M01: "Water-leaving reflectance of band 01 （412.0nm)" ; Rw_M02: "Water-leaving reflectance of band 02 （443.6nm)" ; Rw_M03: "Water-leaving reflectance of band 03 （486.3nm)" ; Rw_M04: "Water-leaving reflectance of band 04 （550.7nm)" ; Rw_M05: "Water-leaving reflectance of band 05 （671.5nm)" ; Rw_I01: "Water-leaving reflectance of band 01 （638.5nm)" ; chlor_a: "chlorophyll-a concentration" ; apg442: "absorption coefficient of phytoplankton+cdom+detritus" ; bbp442: "backscattering coefficient of particles" ; AROT_550: "Aerosol optical thickness of 550-nm band" ; ARAE: "Aerosol angstrom exponent" ; QA_flag	○	-	-	-	-
25	Global	5km	VIIRS	-	VIIRS_RA	RA: Surface reflectance and Aerosol Rs_M01: "Surface reflectance of band 01 （412.0nm)" ; Rs_M02: "Surface reflectance of band 02 （443.6nm)" ; Rs_M03: "Surface reflectance of band 03 （486.3nm)" ; Rs_M04: "Surface reflectance of band 04 （550.7nm)" ; Rs_M05: "Surface reflectance of band 05 （671.5nm)" ; Rs_I01: "Surface reflectance of band 01 （638.5nm)" ; Rs_M06: "Surface reflectance of band 06 （745.4nm)" ; Rs_M07: "Surface reflectance of band 07 （862.0nm)" ; Rs_M08: "Surface reflectance of band 08 (1238.4nm)" ; Rs_M10: "Surface reflectance of band 10 (1601.7nm)" ; Rs_M11: "Surface reflectance of band 11 (2257.2nm)" ; AROT_550: "Aerosol optical thickness of 550-nm band" ; ARAE: "Aerosol angstrom exponent" ; QA_flag	○	-	-	-	-

No	Area	resolution	Sensor	Category	Product		Daily	Weekly	Monthly	8-day	Climate
26	Global	5km	VIIRS	-	VIIRS_RC	RC: Rayleigh corrected reflectance Rcr_M01: "Rayleigh corrected reflectance of band M01（412.0nm)" ; Rcr_M02: "Rayleigh corrected reflectance of band M02（443.6nm)" ; Rcr_M03: "Rayleigh corrected reflectance of band M03（486.3nm)" ; Rcr_M04: "Rayleigh corrected reflectance of band M04（550.7nm)" ; Rcr_M05: "Rayleigh corrected reflectance of band M05（671.5nm)" ; Rcr_M06: "Rayleigh corrected reflectance of band M06（745.4nm)" ; Rcr_M07: "Rayleigh corrected reflectance of band M07（862.0nm)" ; Rcr_M08: "Rayleigh corrected reflectance of band M08 (1238.4nm)" ; Rcr_M10: "Rayleigh corrected reflectance of band M10 (1601.7nm)" ; Rcr_M11: "Rayleigh corrected reflectance of band M11 (2257.2nm)" ; QA_flag	○	-	-	-	-
27	Global	5km	Terra・Aqua/MODIS	Land	wf	Hot Spots of Wild Fire		○	-	○	-	-
28	Global	5km	Terra・Aqua/MODIS	Land	wst	Plant Water Stress Trend		-	-	○	-	-
29	Japan	1km	Terra・Aqua/MODIS		alph	Angstrom exponent		-	-	○	-	○
30	Japan	1km	Terra・Aqua/MODIS		apg	Absorption Coefficient of Particles + CDOM		○	-	○	-	○
31	Japan	1km	Terra・Aqua/MODIS		bbp	Backscattering Coefficient of Particles		○	-	○	-	○
32	Japan	1km	Terra・Aqua/MODIS		cfr	Cloud cover rate		-	-	-	-	○
33	Japan	1km	Terra・Aqua/MODIS	Ocean	chla	Phytoplankton abundance (Chlorophyll-a)		○	-	○	-	○
34	Japan	1km	Terra・Aqua/MODIS	Atmosphere	dpar	Direct PAR		○	-	○	-	-
35	Japan	1km	Terra・Aqua/MODIS	-	multi	par data including subparameters		○	-	○	-	-
36	Japan	1km	Terra・Aqua/MODIS	Land	ndvi	Activity of Vegetation (NDVI)		○	-	○	-	-
37	Japan	1km	Terra・Aqua/MODIS	Ocean	olst	Ocean and Land Surface Temperature		○	-	○	-	○
38	Japan	1km	Terra・Aqua/MODIS	Atmosphere	par	Photosynthetically Available Radiation		○	-	○	-	○
39	Japan	1km	Terra・Aqua/MODIS		ptw	Precipitable Water		○	-	○	-	○
40	Japan	1km	Terra・Aqua/MODIS	RGB	rgb	Rayleigh corrected reflectance RGB		○	-	○	-	-
41	Japan	1km	Terra・Aqua/MODIS		rpar	surface Reflectance weighted by PAR wavelengths & solar irradiance		○	-	○	-	-
42	Japan	1km	Terra・Aqua/MODIS		rph	reserved pH		-	-	-	-	○
43	Japan	1km	Terra・Aqua/MODIS	Cryosphere	snwcfr	Snow Cover Extent, and Cloud Cover Rate		○	○	○	-	-
44	Japan	1km	Terra・Aqua/MODIS VIIRS	Ocean	sst	Sea Surface Temperature		○	-	○	-	○
45	Japan	1km	Terra・Aqua/MODIS	Atmosphere	swr	Shortwave Radiation		○	-	○	-	○
46	Japan	1km	Terra・Aqua/MODIS	Atmosphere	ta1	Aerosol optical thickness [WK= 412.46 nm]		-	-	○	-	○
47	Japan	1km	Terra・Aqua/MODIS	Atmosphere	taua	Aerosol abundance (Optical thickness)		○	-	○	-	-
48	Japan	1km	Terra・Aqua/MODIS	Atmosphere	tip	Transmittance of Instantaneous PAR at noon		○	-	○	-	-
49	Japan	1km	Terra・Aqua/MODIS	Atmosphere	uva	UV-A		○	-	○	-	-
50	Japan	1km	Terra・Aqua/MODIS	Atmosphere	uvb	UV-B		○	-	○	-	○
51	Japan	1km	Terra・Aqua/MODIS	-	values	semimonthly values of individual parameters		-	-	-	-	-

No	Area	resolution	Sensor	Category	Product		Daily	Weekly	Monthly	8-day	Climate
52	Japan	1km	VIIRS	-	VIIRS_FL	FL: Flax TAOT_550: "Total atmosphere optical thickness of 550-nm band" ; TAAE: "Total atmosphere angstrom exponent" ; PAR: "Photosynthetically active radiation (daily mean)" ; SWR: "Shortwave radiation (daily mean)" ; UVA: "UltraViolet-A radiation (daily mean)" ; UVB: "UltraViolet-B radiation (daily mean)" ; QA_flag	○	-	-	-	-
53	Japan	1km	VIIRS	-	VIIRS_KD	KD: Diffuse Attenuation Coefficient (Kd) SW_M01: "Shortwave irradiance of band M01（412.0nm)" ; SW_M02: "Shortwave irradiance of band M02（443.6nm)" ; SW_M03: "Shortwave irradiance of band M03（486.3nm)" ; SW_M04: "Shortwave irradiance of band M04（550.7nm)" ; SW_M05: "Shortwave irradiance of band M05（671.5nm)" ; SW_I01: "Shortwave irradiance of band I01（671.5nm)" ; Kd_M01: "Diffuse attenuation coefficient of band M01（412.0nm)" ; Kd_M02: "Diffuse attenuation coefficient of band M02（443.6nm)" ; Kd_M03: "Diffuse attenuation coefficient of band M03（486.3nm)" ; Kd_M04: "Diffuse attenuation coefficient of band M04（550.7nm)" ; Kd_M05: "Diffuse attenuation coefficient of band M05（671.5nm)" ; Kd_I01: "Diffuse attenuation coefficient of band I01（671.5nm)" ; TAOT_550: "Total atmosphere optical thickness of 550-nm band" ; TAAE: "Total atmosphere angstrom exponent" ;	○	-	-	-	-
54	Japan	1km	VIIRS	-	VIIRS_OC	OC: Ocean color Rw_M01: "Water-leaving reflectance of band 01（412.0nm)" ; Rw_M02: "Water-leaving reflectance of band 02（443.6nm)" ; Rw_M03: "Water-leaving reflectance of band 03（486.3nm)" ; Rw_M04: "Water-leaving reflectance of band 04（550.7nm)" ; Rw_M05: "Water-leaving reflectance of band 05（671.5nm)" ; Rw_I01: "Water-leaving reflectance of band 01（638.5nm)" ; chlor_a: "chlorophyll-a concentration" ; apg442: "absorption coefficient of phytoplankton+cdom+detritus" ; bbp442: "backscattering coefficient of particles" ; AROT_550: "Aerosol optical thickness of 550-nm band" ; ARAE: "Aerosol angstrom exponent" ; QA_flag	○	-	-	-	-

No	Area	resolution	Sensor	Category	Product		Daily	Weekly	Monthly	8-day	Climate
55	Japan	1km	VIIRS	-	VIIRS_RA	RA: Surface reflectance and Aerosol Rs_M01: "Surface reflectance of band 01（412.0nm)" ; Rs_M02: "Surface reflectance of band 02（443.6nm)" ; Rs_M03: "Surface reflectance of band 03（486.3nm)" ; Rs_M04: "Surface reflectance of band 04（550.7nm)" ; Rs_M05: "Surface reflectance of band 05（671.5nm)" ; Rs_I01: "Surface reflectance of band 01（638.5nm)" ; Rs_M06: "Surface reflectance of band 06（745.4nm)" ; Rs_M07: "Surface reflectance of band 07（862.0nm)" ; Rs_M08: "Surface reflectance of band 08（1238.4nm)" ; Rs_M10: "Surface reflectance of band 10（1601.7nm)" ; Rs_M11: "Surface reflectance of band 11（2257.2nm)" ; AROT_550: "Aerosol optical thickness of 550-nm band" ; ARAE: "Aerosol angstrom exponent" ; QA_flag	○	-	-	-	-
56	Japan	1km	VIIRS	-	VIIRS_RC	RC: Rayleigh corrected reflectance Rcr_M01: "Rayleigh corrected reflectance of band M01（412.0nm)" ; Rcr_M02: "Rayleigh corrected reflectance of band M02（443.6nm)" ; Rcr_M03: "Rayleigh corrected reflectance of band M03（486.3nm)" ; Rcr_M04: "Rayleigh corrected reflectance of band M04（550.7nm)" ; Rcr_M05: "Rayleigh corrected reflectance of band M05（671.5nm)" ; Rcr_M06: "Rayleigh corrected reflectance of band M06（745.4nm)" ; Rcr_M07: "Rayleigh corrected reflectance of band M07（862.0nm)" ; Rcr_M08: "Rayleigh corrected reflectance of band M08 (1238.4nm)" ; Rcr_M10: "Rayleigh corrected reflectance of band M10 (1601.7nm)" ; Rcr_M11: "Rayleigh corrected reflectance of band M11 (2257.2nm)" ; QA_flag	○	-	-	-	-
57	Japan	1km	Terra・Aqua/MODIS	Land	wf	Hot Spots of Wild Fire	○	○	○	-	-
58	Japan	1km	Terra・Aqua/MODIS	Land	wst	Plant Water Stress Trend	-	○	○	-	-
59	Thai	1km	Terra・Aqua/MODIS	-	apg	Absorption Coefficient of Particles + CDOM	○	-	○	-	-
60	Thai	1km	Terra・Aqua/MODIS	-	bbp	Backscattering Coefficient of Particles	○	-	○	-	-
61	Thai	1km	Terra・Aqua/MODIS	Ocean	chla	Phytoplankton abundance (Chlorophyll-a)	○	-	○	-	-
62	Thai	1km	Terra・Aqua/MODIS	Atmosphere	dpar	Direct PAR	○	-	○	-	-
63	Thai	1km	Terra・Aqua/MODIS	Atmosphere	multi	par data including subparameters	○	-	○	-	-
64	Thai	1km	Terra・Aqua/MODIS	Land	ndvi	Activity of Vegetation (NDVI)	-	-	○	-	-
65	Thai	1km	Terra・Aqua/MODIS	Ocean	olst	Ocean and Land Surface Temperature	-	-	○	-	-
66	Thai	1km	Terra・Aqua/MODIS	Atmosphere	par	Photosynthetically Available Radiation	○	-	○	-	-
67	Thai	1km	Terra・Aqua/MODIS	Atmosphere	ptw	Precipitable Water	○	-	○	-	-
68	Thai	1km	Terra・Aqua/MODIS	RGB	rgb	Rayleigh corrected reflectance RGB	-	-	○	-	-
69	Thai	1km	Terra・Aqua/MODIS	Atmosphere	rpar	surface Reflectance weighted by PAR wavelengths & solar irradiance	○	-	○	-	-
70	Thai	1km	Terra・Aqua/MODIS	Atmosphere	swr	Shortwave Radiation	○	-	○	-	-
71	Thai	1km	Terra・Aqua/MODIS	Atmosphere	taua	Aerosol abundance (Optical thickness)	○	-	○	-	-
72	Thai	1km	Terra・Aqua/MODIS	Atmosphere	tip	Transmittance of Instantaneous PAR at noon	○	-	○	-	-
73	Thai	1km	Terra・Aqua/MODIS	Atmosphere	uva	UV-A	○	-	○	-	-
74	Thai	1km	Terra・Aqua/MODIS	Atmosphere	uvb	UV-B	○	-	○	-	-

No	Area	resolution	Sensor	Category	Product		Daily	Weekly	Monthly	8-day	Climate
75	Thai	1km	Terra・Aqua/MODIS	-	values	semimonthly values of individual parameters	-	-	-	-	-
76	Thai	1km	Terra・Aqua/MODIS	Land	wf	Hot Spots of Wild Fire	○	-	○	-	-
77	Thai	1km	Terra・Aqua/MODIS	Land	wst	Plant Water Stress Trend	-	-	○	-	-
78	Gobi/Taklamakan	5km	Terra・Aqua/MODIS	Atmosphere	aerosol	aerosol data	○	-	-	-	-
79	Polar Climate	5km	AMSR2	Cryosphere	ic0	Sea Ice Concentration	-	-	-	-	○
80	Polar Climate	5km	SMMR SSM/I AMSR-E WINDSAT AMSR2	Cryosphere	sie	Sea Ice Extent	-	-	-	-	-
81	Global	250m	GCOM-C/SGLI	Land	WFRP	Wild Fire Radiative Power	○	-	-	-	-

1. 2. SGLI Near Real time

No	Area	resolution	Sensor	Category	Product		Daily	Weekly	Monthly	8-day	Climate
1	Japan	250m	GCOM-C/SGLI	Radiance	Lt_VN01	TOA radiance of VN01 (380nm)	○	-	-	-	-
2	Japan	250m	GCOM-C/SGLI	Radiance	Lt_VN02	TOA radiance of VN02 (412nm)	○	-	-	-	-
3	Japan	250m	GCOM-C/SGLI	Radiance	Lt_VN03	TOA radiance of VN03 (443nm)	○	-	-	-	-
4	Japan	250m	GCOM-C/SGLI	Radiance	Lt_VN04	TOA radiance of VN04 (490nm)	○	-	-	-	-
5	Japan	250m	GCOM-C/SGLI	Radiance	Lt_VN05	TOA radiance of VN05 (530nm)	○	-	-	-	-
6	Japan	250m	GCOM-C/SGLI	Radiance	Lt_VN06	TOA radiance of VN06 (565nm)	○	-	-	-	-
7	Japan	250m	GCOM-C/SGLI	Radiance	Lt_VN07	TOA radiance of VN07 (673.5nm)	○	-	-	-	-
8	Japan	250m	GCOM-C/SGLI	Radiance	Lt_VN08	TOA radiance of VN08 (673.5nm)	○	-	-	-	-
9	Japan	250m	GCOM-C/SGLI	Radiance	Lt_VN09	TOA radiance of VN09 (763nm)	○	-	-	-	-
10	Japan	250m	GCOM-C/SGLI	Radiance	Lt_VN10	TOA radiance of VN10 (868.5nm)	○	-	-	-	-
11	Japan	250m	GCOM-C/SGLI	Radiance	Lt_VN11	TOA radiance of VN11 (868.5nm)	○	-	-	-	-
12	Japan	250m	GCOM-C/SGLI	Radiance	Lt_SW01	TOA radiance of SW01	○	-	-	-	-
13	Japan	250m	GCOM-C/SGLI	Radiance	Lt_SW02	TOA radiance of SW02	○	-	-	-	-
14	Japan	250m	GCOM-C/SGLI	Radiance	Lt_SW03	TOA radiance of SW03	○	-	-	-	-
15	Japan	250m	GCOM-C/SGLI	Radiance	Lt_SW04	TOA radiance of SW04	○	-	-	-	-
16	Japan	250m	GCOM-C/SGLI	Radiance	Lt_TI01	TOA radiance of TI01	○	-	-	-	-
17	Japan	250m	GCOM-C/SGLI	Radiance	Lt_TI02	TOA radiance of TI02	○	-	-	-	-
18	Japan	250m	GCOM-C/SGLI	Ocean	NWLR_380	Normalized Water Leaving Radiance (NWLR) at 380.0nm	○	-	-	-	-
19	Japan	250m	GCOM-C/SGLI	Ocean	NWLR_412	Normalized Water Leaving Radiance (NWLR) at 412.0nm	○	-	-	-	-
20	Japan	250m	GCOM-C/SGLI	Ocean	NWLR_443	Normalized Water Leaving Radiance (NWLR) at 443.0nm	○	-	-	-	-
21	Japan	250m	GCOM-C/SGLI	Ocean	NWLR_490	Normalized Water Leaving Radiance (NWLR) at 490.0nm	○	-	-	-	-
22	Japan	250m	GCOM-C/SGLI	Ocean	NWLR_530	Normalized Water Leaving Radiance (NWLR) at 530.0nm	○	-	-	-	-
23	Japan	250m	GCOM-C/SGLI	Ocean	NWLR_565	Normalized Water Leaving Radiance (NWLR) at 565.0nm	○	-	-	-	-
24	Japan	250m	GCOM-C/SGLI	Ocean	NWLR_670	Normalized Water Leaving Radiance (NWLR) at 565.0nm	○	-	-	-	-
25	Japan	250m	GCOM-C/SGLI	Atmosphere	PAR	Photosynthetically Available Radiation	○	-	-	-	-
26	Japan	250m	GCOM-C/SGLI	Atmosphere	TAUA_670	Aerosol Optical Thickness (TauA) at 673.5nm	○	-	-	-	-
27	Japan	250m	GCOM-C/SGLI	Atmosphere	TAUA_865	Aerosol Optical Thickness (TauA) at 865.5nm	○	-	-	-	-
28	Japan	250m	GCOM-C/SGLI	Ocean	FAI	Floating Algae Index	○	-	-	-	-
29	Japan	250m	GCOM-C/SGLI	Ocean	CDOM	Colored dissolved organic matter (CDOM) at 443.nm	○	-	-	-	-
30	Japan	250m	GCOM-C/SGLI	Ocean	CHLA	Chllorophyll-a concentration (CHLA)	○	-	-	-	-
31	Japan	250m	GCOM-C/SGLI	Ocean	TSM	Total suspended matter (TSM)	○	-	-	-	-
32	Japan	250m	GCOM-C/SGLI	Ocean	SST	Sea Surface Temperature	○	-	-	-	-
33	Japan	250m	GCOM-C/SGLI	Atmosphere	Cloud_probability	Cloud probability data	○	-	-	-	-
34	Japan	250m	GCOM-C/SGLI	Cryosphere	OKID	Sea-ice and snow cover distribution	○	-	-	-	-
35	Japan	250m	GCOM-C/SGLI	-	GEOT	Geolocation data	○	-	-	-	-

1. 3. SGLI Standard Data

No	Area	resolution	Sensor	Category	Product		Daily	Weekly	Monthly	8-day	Climate
1	Global	5km	GCOM-C/SGLI	Land	AGB_	Above Ground Biomass	-	-	-	○	-
2	Global	5km	GCOM-C/SGLI	Atmosphere	AOTL	Aerosol Optical Thickness over Land at 500 nm	○	-	○	○	-
3	Global	5km	GCOM-C/SGLI	Atmosphere	AOTO	Aerosol Optical Thickness over Ocean at 500 nm	○	-	○	○	-
4	Global	5km	GCOM-C/SGLI	Atmosphere	AROT	Aerosol Optical Thickness over Land and Ocean at 500 nm	○	-	○	○	-
5	Global	5km	GCOM-C/SGLI	Ocean	CDOM	Colored dissolved organic matter (CDOM)	-	-	-	○	-
6	Global	5km	GCOM-C/SGLI	Atmosphere	CFR	Cloud flag	○	-	○	○	-
7	Global	5km	GCOM-C/SGLI	Ocean	CHLA	Phytoplankton abundance (Chlorophyll-a)	○	-	○	○	-
8	Global	5km	GCOM-C/SGLI	Atmosphere	CLTT	Temperature of CLoud Top layer	○	-	○	○	-
9	Global	5km	GCOM-C/SGLI	Atmosphere	COTW	Optical Thickness of water cloud droplets	○	-	○	○	-
10	Global	5km	GCOM-C/SGLI	Land	FPAR	Fraction of Absorbed Photosynthetically Active Radiation	-	-	-	○	-
11	Global	5km	GCOM-C/SGLI	Ocean	Lnnn	Normalized water leaving radiance	○	-	○	○	-
12	Global	5km	GCOM-C/SGLI	Land	LAI	Leaf Area Index	○	-	○	○	-
13	Global	5km	GCOM-C/SGLI	Land	LST_	Land Surface Temperature	○	-	○	○	-
14	Global	5km	GCOM-C/SGLI	Radiance	LRAI, LRAP, LRAV	Top of atmosphere radiance	○	-	○	○	-
15	Global	5km	GCOM-C/SGLI	Radiance	LInn	Top of atmosphere radiance	○	-	○	○	-
16	Global	5km	GCOM-C/SGLI	Radiance	LSnn	Top of atmosphere radiance	○	-	○	○	-
17	Global	5km	GCOM-C/SGLI	Radiance	LTnn	Top of atmosphere radiance	○	-	○	○	-
18	Global	5km	GCOM-C/SGLI	Radiance	LVnn	Top of atmosphere radiance	○	-	○	○	-
19	Global	5km	GCOM-C/SGLI	Land	NDVI_	Activity of Vegetation (NDVI)	○	-	○	○	-
20	Global	5km	GCOM-C/SGLI	Land	RNnn	Land atmospheric corrected reflectance	○	-	○	○	
21	Global	5km	GCOM-C/SGLI	Land	RPnn	Land atmospheric corrected reflectance	○	-	○	○	
22	Global	5km	GCOM-C/SGLI	Land	RSnn	Land atmospheric corrected reflectance	○	-	○	○	
23	Global	5km	GCOM-C/SGLI	Land	RTnn	Land atmospheric corrected reflectance	○	-	○	○	
24	Global	5km	GCOM-C/SGLI	Land	RVnn	Land atmospheric corrected reflectance	○	-	○	○	
25	Global	5km	GCOM-C/SGLI	Cryosphere	SICE_	Snow and Ice Covered area	○	-	○	○	-
26	Global	5km	GCOM-C/SGLI	Cryosphere	SIST_	Snow and Ice Surface Temperature	○	-	○	○	-
27	Global	5km	GCOM-C/SGLI	Ocean	SST_	Sea Surface Temperature	○	-	○	○	-
28	Global	5km	GCOM-C/SGLI	Atmosphere	SWR_	Shortwave Radiation	○	-	○	○	-
29	Global	5km	GCOM-C/SGLI	Ocean	TSM	Total suspended matter (TSM)	-	-	-	○	-
30	Japan	250m	GCOM-C/SGLI	Atmosphere	AAEP	Aerosol_Angstrom_Exponent over Land at 670 nm and 860 nm	○	-	○	○	-
31	Japan	250m	GCOM-C/SGLI	Land	AGB_	Above Ground Biomass	○	-	○	○	-
32	Japan	250m	GCOM-C/SGLI	Atmosphere	AOTL	Aerosol Optical Thickness over Land at 500 nm	○	-	○	○	-
33	Japan	250m	GCOM-C/SGLI	Atmosphere	AOTO	Aerosol Optical Thickness over Ocean at 500 nm	○	-	○	○	-
34	Japan	250m	GCOM-C/SGLI	Atmosphere	AOTP	Aerosol_Optical_Thickness over Land at 670 nm	○	-	○	○	-
35	Japan	250m	GCOM-C/SGLI	Atmosphere	ARAE	Aerosol_Angstrom_Exponent over Land at 380 nm and 500 nm	○	-	○	○	-
36	Japan	250m	GCOM-C/SGLI	Atmosphere	AROT	Aerosol Optical Thickness over Land and Ocean at 500 nm	○	-	○	○	-
37	Japan	250m	GCOM-C/SGLI	Atmosphere	ASSA	Single_Scattering_Albedo over Land and Ocean at 380 nm	○	-	○	○	-
38	Japan	250m	GCOM-C/SGLI	Ocean	CDOM	Colored dissolved organic matter (CDOM) at 443.nm	○	-	-	-	-
39	Japan	250m	GCOM-C/SGLI	Ocean	CHLA	Phytoplankton abundance (Chlorophyll-a)	○	-	-	-	-
40	Japan	250m	GCOM-C/SGLI	Atmosphere	CLFG	Cloud flag	○	-	○	○	-
41	Japan	250m	GCOM-C/SGLI	Land	FPAR	Fraction of Absorbed Photosynthetically Active Radiation	○	-	○	○	-
42	Japan	250m	GCOM-C/SGLI	Land	GEOI, GEOV, GEOP	Land atmospheric corrected reflectance	○	-	○	○	-
43	Japan	250m	GCOM-C/SGLI	Land	LAI_	Leaf Area Index	○	-	○	○	-

No	Area	resolution	Sensor	Category	Product		Daily	Weekly	Monthly	8-day	Climate
44	Japan	250m	GCOM-C/SGLI	Land	LST_	Land Surface Temperature	○	-	○	○	-
45	Japan	250m	GCOM-C/SGLI	Radiance	LGEI, LGEV, LGEP	Top of atmosphere radiance	○	-	○	○	-
46	Japan	250m	GCOM-C/SGLI	Radiance	LInn	Top of atmosphere radiance	○	-	○	○	-
47	Japan	250m	GCOM-C/SGLI	Radiance	LSnn	Top of atmosphere radiance	○	-	○	○	-
48	Japan	250m	GCOM-C/SGLI	Radiance	LTnn	Top of atmosphere radiance	○	-	○	○	-
49	Japan	250m	GCOM-C/SGLI	Radiance	LVnn	Top of atmosphere radiance	○	-	○	○	-
50	Japan	250m	GCOM-C/SGLI	Land	NDVI	Activity of Vegetation (NDVI)	○	-	○	○	-
51	Japan	250m	GCOM-C/SGLI	Land	RNnn	Land atmospheric corrected reflectance	○	-	○	○	-
52	Japan	250m	GCOM-C/SGLI	Land	RPnn	Land atmospheric corrected reflectance	○	-	○	○	-
53	Japan	250m	GCOM-C/SGLI	Land	RSnn	Land atmospheric corrected reflectance	○	-	○	○	-
54	Japan	250m	GCOM-C/SGLI	Land	RTnn	Land atmospheric corrected reflectance	○	-	○	○	-
55	Japan	250m	GCOM-C/SGLI	Land	RVnn	Land atmospheric corrected reflectance	○	-	○	○	-
56	Japan	250m	GCOM-C/SGLI	Atmosphere	PAR_	Photosynthetically Available Radiation	○	-	-	-	-
57	Japan	250m	GCOM-C/SGLI	Cryosphere	SICE	Snow and Ice Covered area	○	-	○	○	-
58	Japan	250m	GCOM-C/SGLI	Ocean	SST_	Sea Surface Temperature	○	-	-	-	-
59	Japan	250m	GCOM-C/SGLI	Atmosphere	SWR_	Shortwave Radiation	○	-	○	○	-
60	Japan	250m	GCOM-C/SGLI	Ocean	TSM_	Total suspended matter (TSM)	○	-	-	-	-

1. 4. FAI monitor

No	Area	resolution	Sensor	Category	Product		Daily	Weekly	Monthly	8-day	Climate
1	Japan	250m	GCOM-C/SGLI	Ocean	FAI_	Floating Algae Index	○	-	-	-	-
2	Japan	250m	GCOM-C/SGLI	Ocean	CHLA	Chllorophyll-a concentration (CHLA)	○	-	-	-	-
3	Japan	250m	GCOM-C/SGLI	Ocean	SSTD	Sea Surface Temperature Daytime	○	-	-	-	-
4	Japan	250m	GCOM-C/SGLI	Ocean	SSTN	Sea Surface Temperature Nighttime	○	-	-	-	-
5	Japan	250m	GCOM-C/SGLI	Atmosphere	TAUA_670	Aerosol abundance (Optical thickness)	○	-	-	-	-
6	Japan	250m	GCOM-C/SGLI	RGB	RGB	Rayleigh corrected reflectance RGB	○	-	-	-	-
7	Japan	250m	GCOM-C/SGLI	RGB	RGB2	Rayleigh corrected reflectance RGB	○	-	-	-	-

1. 5. Innerbay Monitor

No	Area	resolution	Sensor	Category	Product		Daily	Weekly	Monthly	8-day	Climate
1	Japan	250m	GCOM-C/SGLI	Ocean	CHLA	Chllorophyll-a concentration (CHLA)	○	-	-	-	-
2	Japan	250m	GCOM-C/SGLI	Ocean	TSM	Total suspended matter (TSM)	○	-	-	-	-
3	Japan	250m	GCOM-C/SGLI	Ocean	SSTD	Sea Surface Temperature Daytime	○	-	-	-	-
4	Japan	250m	GCOM-C/SGLI	Ocean	SSTN	Sea Surface Temperature Nighttime	○	-	-	-	-

1. 6. MODIS Near Real time

No	Area	resolution	Sensor	Category	Product		Daily	Weekly	Monthly	8-day	Climate
1	Japan	1km	Terra・Aqua/MODIS	Ocean	CHLA	Chllorophyll-a concentration (CHLA)	○	-	-	-	-
2	Japan	1km	Terra・Aqua/MODIS	Ocean	SSTD	Sea Surface Temperature Daytime	○	-	-	-	-
3	Japan	1km	Terra・Aqua/MODIS	Ocean	SSTN	Sea Surface Temperature Nighttime	○	-	-	-	-

2. Acknowledgment

The images and binary data available on this website are processed and generated by JAXA using source data provided by the following organizations.

Sensor	Page Name		Data Provider / Acknowledgement
MODIS	Daily	Global (climate)	Terra/Aqua MODIS data are provided by the National Aeronautics and Space Administration (NASA), Goddard Space Flight Center (GSFC).
		Gobi/Taklamakan (yellow sand)	
		MODIS Near Real-time	Terra/Aqua MODIS data are provided by the Tokai University Research & Information Center (TRIC).
	Monthly	Global(climate)	Terra/Aqua MODIS data are provided by the National Aeronautics and Space Administration (NASA), Goddard Space Flight Center (GSFC).
		Thai(climate)	Terra/Aqua MODIS data are provided by the Asian Institute of Technology and the Institute of Industrial Science, the University of Tokyo (IIS).
WindSat	Daily	Polar (sea ice)	WindSat Sensor Data Record (SDR) brightness temperatures are provided by the Naval Research Laboratory (NRL) and NOAA's National Environmental Satellite, Data, and Information Service (NESDIS).
	Climate		
SSM/I	Daily	Global (water cycle)	The SSM/I Sensor Data Record (SDR) brightness temperatures are provided by NOAA's National Environmental Satellite, Data, and Information Service (NESDIS).
	Climate	Polar (sea ice)	The SSM/I Antenna Temperature (TA) data were produced by Remote Sensing Systems (RSS).
SMMR	Climate	Polar (sea ice)	The Nimbus-7 SMMR Pathfinder Brightness Temperature Data were provided by the Jet Propulsion Laboratory, California Institute of Technology, Pasadena, California, under contract with the National Aeronautics and Space Administration (NASA).
その他	JASMES	Sea level pressure , Wind Speed and Direction Data	GGLA data are provided bye the Japan Meteorological Agency (JMA).