

## About GCOM-C/SGLI Ocean Standard Products

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The Global Change Observation Mission - Climate "SHIKISAI" (GCOM-C) was launched on Dec. 23, 2017 by JAXA. The Second Generation Global Imager (SGLI) onboard GCOM-C is optical sensor which has 19 channels from near ultraviolet to thermal infrared wavelengths (380 nm to 12 $\mu$ m).

SGLI Ocean standard products consist of 7 parameters and 2 processing levels. The parameters are composed of Normalized water Leaving Radiance (NWLR) at 380, 412, 443, 490, 530, 565 and 673.5 [W/m<sup>2</sup>/sr/ $\mu$ m], Aerosol optical Thickness (TAUA) at 673.5 and 868.5 [-], Photosynthetically Available Radiation (PAR) [Ein/m<sup>2</sup>/day], Chlorophyll-a concentration (CHLA) [mg/m<sup>3</sup>], Total Suspended Matter concentration (TSM) [g/m<sup>3</sup>], Absorption coefficient of Colored dissolved Organic Matter (CDOM) at 412 [m<sup>-1</sup>] and Sea Surface Temperature (SST) [degree C]. The processing levels consists of Level-2 and Level-3 from distinctions of time- and spatial resolutions.

After about one year of launch, all ocean standard products had achieved the thresholds of release accuracies, therefore, those products were started to provide on Dec. 20, 2018 from the JAXA G-Portal (<https://gportal.jaxa.jp/gpr/>).

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