

# **HimawariCast Newsletter**

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Japan Meteorological Agency 🍙

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# Himawari RGB Quick Guides online

RGB composite imagery provides multi-spectral satellite information in single images. The Japan Meteorological Agency (JMA) contributes to the promotion of RGB composites in various ways, including a series of typical RGB composites derived from Himawari-8 in HimawariCast Newsletters.

In recent years, handy RGB Quick Guides have been issued by satellite operators/trainers such as EU-MeTrain/EUMETSAT and NOAA/NASA. This straightforward content provides essential information to forecasters and other satellite data/imagery users for operational work.

Himawari data users have also requested useful RGB composite imagery (especially for typical cases) based on geographical characteristics in association with the Himawari observation area's wide oceanic coverage. In response, JMA carefully considered RGB Quick Guides derived from Himawari satellite imagery and began providing related data on its website on October 1<sup>st</sup> 2020 (Figure 1). The information has a simple design enabling double-sided printing and lamination as per other satellite RGB Quick Guides (Figures 2 and 3). A total of 18 Quick Guides are provided in relation to SATAID software to facilitate daily work with focus on:

- 1. Major applications, benefits and limitations
- 2. Typical cases (e.g., Figure 4)
- 3. Color interpretation
- 4. RGB recipes (RGB composition: combinations of imagery assigned to the three primary colors with recommended thresholds) and related specifications

Quick Guides are intended to facilitate the worldwide usage of RGB composite imagery.

Himawari RGB Quick Guide website:

https://www.jma.go.jp/jma/jma-eng/satellite/VLab/R GB\_QG.html

(SHIMIZU Akihiro)

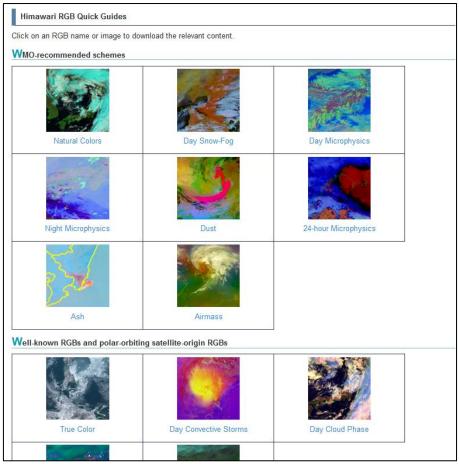


Figure 1. Himawari RGB Quick Guides web page

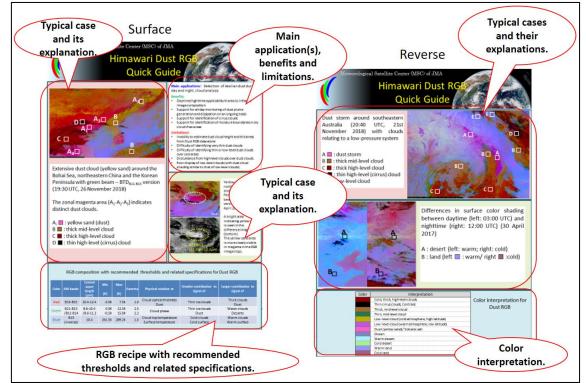


Figure 2. Appearance and structure of RGB Quick Guides



Figure 3. RGB Quick Guide with clear plastic folder

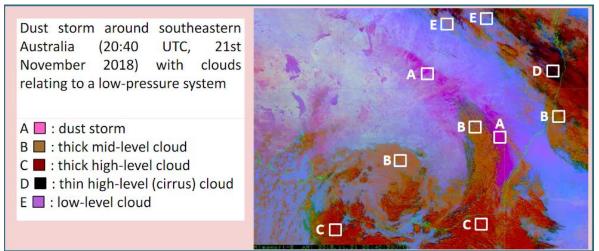


Figure 4. Typical case of a Dust RGB image

# JMA online satellite imagery update (previous announcement)

JMA is planning to update its online satellite imagery (https://www.jma.go.jp/en/gms/) around February 2021 to enhance scrolling and zooming capacity with a new URL. The new content is currently being produced, with details to be provided in the next HimawariCast newsletter.

There will be no changes in real-time imagery on MSC Web

(https://www.data.jma.go.jp/mscweb/data/hima wari/index.html).

(SAKASHITA Takuya)

# Termination of Himawari JDDS FTP service and commencement of HTTPS service

Himawari-8/9 imagery and related geophysical products are provided to National Meteorological and Hydrological Services (NMHSs) via the JMA Data Dissemination System (Himawari JDDS). As per HimawariCast newsletter No. 12, JMA terminated FTP-based provision on 30 September 2020 in favor of an HTTPS service commenced in July 2019. Table 1 shows products provided via Himawari JDDS.

(SAKASHITA Takuya)

## **Registration for Himawari JDDS**

To register for Himawari JDDS access, please use the application form at:

https://www.jma.go.jp/jma/jma-eng/satellite/jd ds.html#terms

Registered users can access satellite products online using an HTTP 1.1 client such as a Web browser or Wget.

Please note again that Himawari JDDS services are dedicated for NMHSs.

(SAKASHITA Takuya)

#### Feedback

JMA welcomes feedback from users on HimawariCast data usage, and particularly invites articles to be posted in this newsletter. Such input will help other users consider new ideas for their services.

The Agency also invites questions on HimawariCast services. These may relate to the functions of the SA-TAID program, interpretation/analysis of multi-band imagery or other areas of interest. Feel free to send queries to be answered in this newsletter.

All articles and questions are welcomed. Your contri-

butions are greatly appreciated.

Table 1 Satellite data disseminated through JDDS via HTTPS			
	File format	Periodicity	
High-resolution Cloud Analysis Information (HCAI)	GRIB2	Every 10 minutes	
HRIT satellite imagery	HRIT	Every 30 minutes	
JPEG satellite imagery	JPEG	Every 30/60 minutes	
		Without user ID/password	
ASWind from Target Area Observation	SATAID wind format	Every 10 minutes	
ASWind from Full-disk Observation		Every 30 minutes	

### **Comments and Inquiries**

Comments and inquiries on this newsletter and/or the HimawariCast Web Page are welcomed. Back numbers of HimawariCast Newsletters: https://www.data.jma.go.jp/mscweb/en/himawari89/himawari\_cast/himawari\_cast.php

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