

# Basic imagery in support of SWFDP in RA II/V



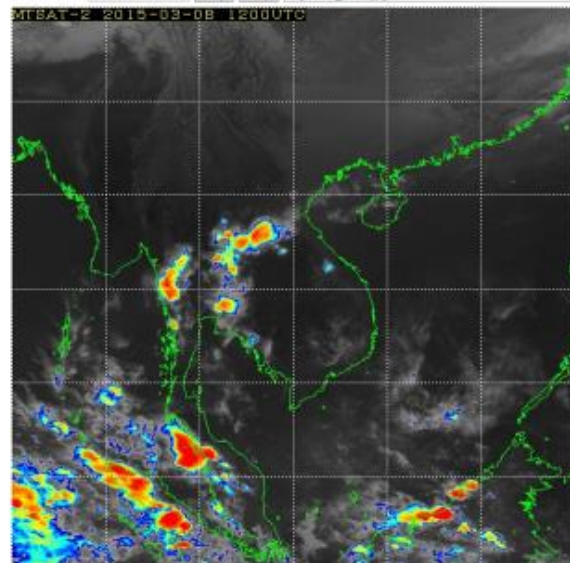
The RGB composite imagery is produced by composing satellite images colored in red, green and blue (RGB).

[User's Guide to RGB composite images for SWFDP](#)

## Image and Animation

Area: R2 Time: 12:00 UTC 08 March 2015 Sandwich Prev Next

Animation: Last 3 Hours Play Stop img/sand\_1200.jpg



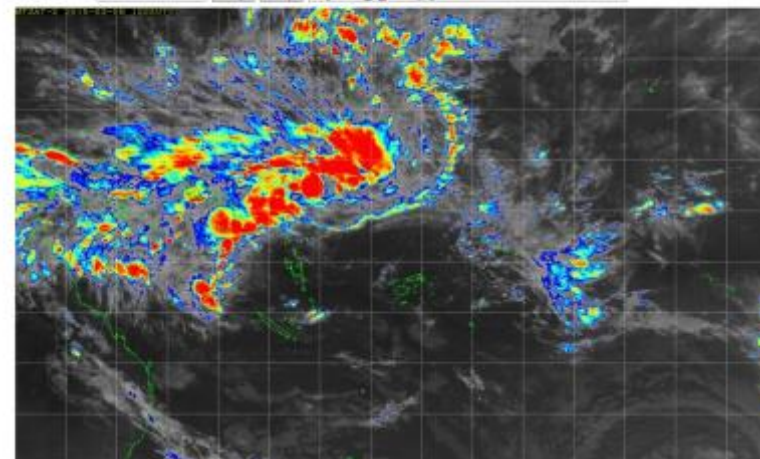
The RGB composite imagery is produced by composing satellite images colored in red, green and blue (RGB).

[User's Guide to RGB composite images for SWFDP](#)

## Image and Animation

Area: R5 Time: 12:00 UTC 08 March 2015 Sandwich Prev Next

Animation: Last 3 Hours Play Stop img/sand\_s\_1200.jpg



✓ JMA/MSC launched new websites for MTSAT RGB composite images for RA-II/V regions in June 2014.

## Images:

- VIS
- WV
- 3.8um
- Day Microphysics
- Night Microphysics
- Sandwich

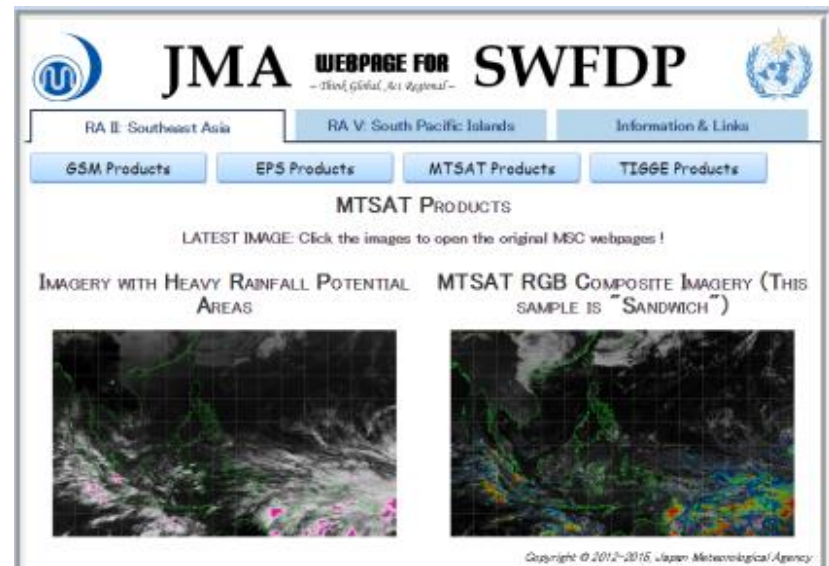
'Sandwich' product: Areas of low brightness temperature in IR are colored and superimposed onto VIS image (daytime) or IR image (nighttime). It is introduced by the Convection Working Group to support the monitoring of convective clouds.

# Basic imagery in support of SWFDP in RA II/V



The screenshot shows the website interface for the Meteorological Satellite Center (MSC) of JMA. The main heading is "MTSAT RGB Composite Imagery". Below the heading, there is a description: "The RGB composite imagery is produced by composing satellite images colored in red, green and blue (RGB)." There is also a link to "User's Guide to RGB composite images for SWFDP". The interface includes a navigation menu with "Home", "MTSAT Data", "Products", "Operations", and "Supports". A "Current position" breadcrumb shows "Home > Real-Time Image > For RGB Composite Imagery". There are "Back" and "Real-Time Image" buttons. Below the description, there is a section for "Image and Animation" with a dropdown menu for "Area" set to "R2E", a "Time" dropdown set to "06:00 UTC 09 March 2015", and "Sandwich" selected. There are "Prev" and "Next" buttons. Below the controls is a large satellite image showing a composite of MTSAT data with a grid overlay.

- ✓ JMA/MSC added MTSAT RGB images with extended coverage area to the website in response to user request for the extension in September 2014. The extended coverage area includes the whole Philippines.
- ✓ The coverage area of MTSAT images with heavy rainfall potential areas on the website also has been extended.
- ✓ The websites has been linked to JMA website for SWFDP and SWFDDP.



The screenshot shows the JMA website for SWFDP. The header includes the JMA logo and the text "JMA WEBSITE FOR SWFDP - The Global, Not Regional". Below the header, there are navigation tabs for "RA II: Southwest Asia", "RA V: South Pacific Islands", and "Information & Links". There are also buttons for "GSM Products", "EPS Products", "MTSAT Products", and "TIGGE Products". The main content area is titled "MTSAT PRODUCTS" and includes the text "LATEST IMAGE: Click the images to open the original MSC webpages!". There are two main sections: "IMAGERY WITH HEAVY RAINFALL POTENTIAL AREAS" and "MTSAT RGB COMPOSITE IMAGERY (THIS SAMPLE IS 'SANDWICH')". Each section has a corresponding satellite image. The bottom of the page has a copyright notice: "Copyright © 2012-2015, Japan Meteorological Agency".

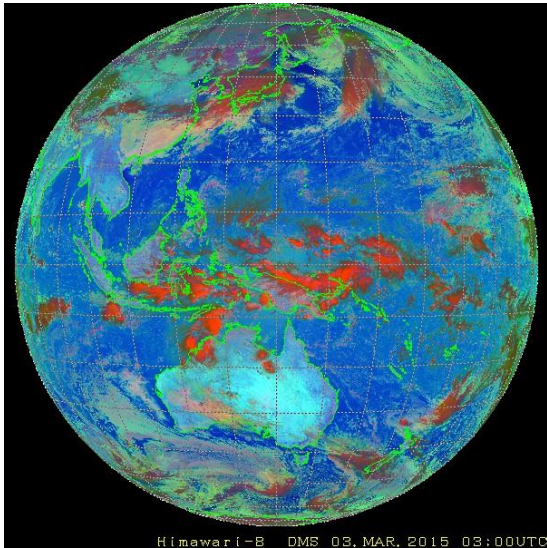
# Next Steps

- Australian Bureau of Meteorology (BoM) and JMA/MSC start a discussion of cooperation on RGB product development.
- RGB fact sheet has been prepared and user survey will be issued for RA-II and RA-V in March 2015.
- The distribution pathways, formats, volumes and visualization software for RGBs will be discussed based on results of the RGB user survey.
- JMA/MSC will provide Himawari-8 RGB images based on the WMO recommended recipe when Himawari-8 becomes operational in the middle of 2015.
- CMA and KMA are also considering RGBs for their next-generation GEOs.

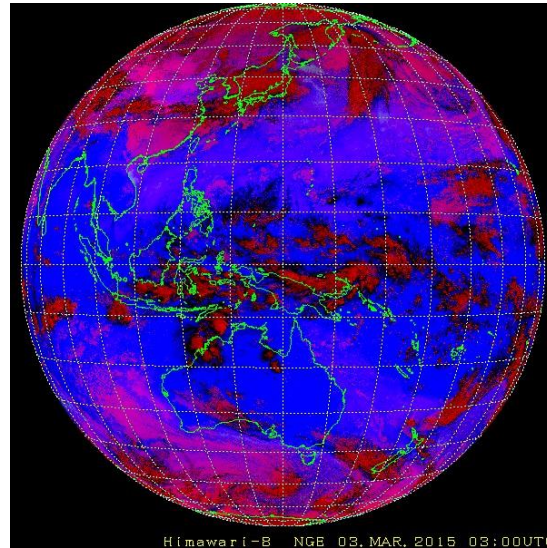
# Himawari-8 RGB products

- ✓ RGB composite products are experimentally created from Himawari-8 IOT data using WMO standard recipe.
- ✓ RGBs from Himawari-8 will be provided from the website of Meteorological Satellite Center (MSC) of JMA when Himawari-8 becomes operational.
- ✓ Australian Bureau of Meteorology and JMA/MSC start a discussion of cooperation on RGB product development.

Day Microphysics



Night Microphysics



Air Mass

