

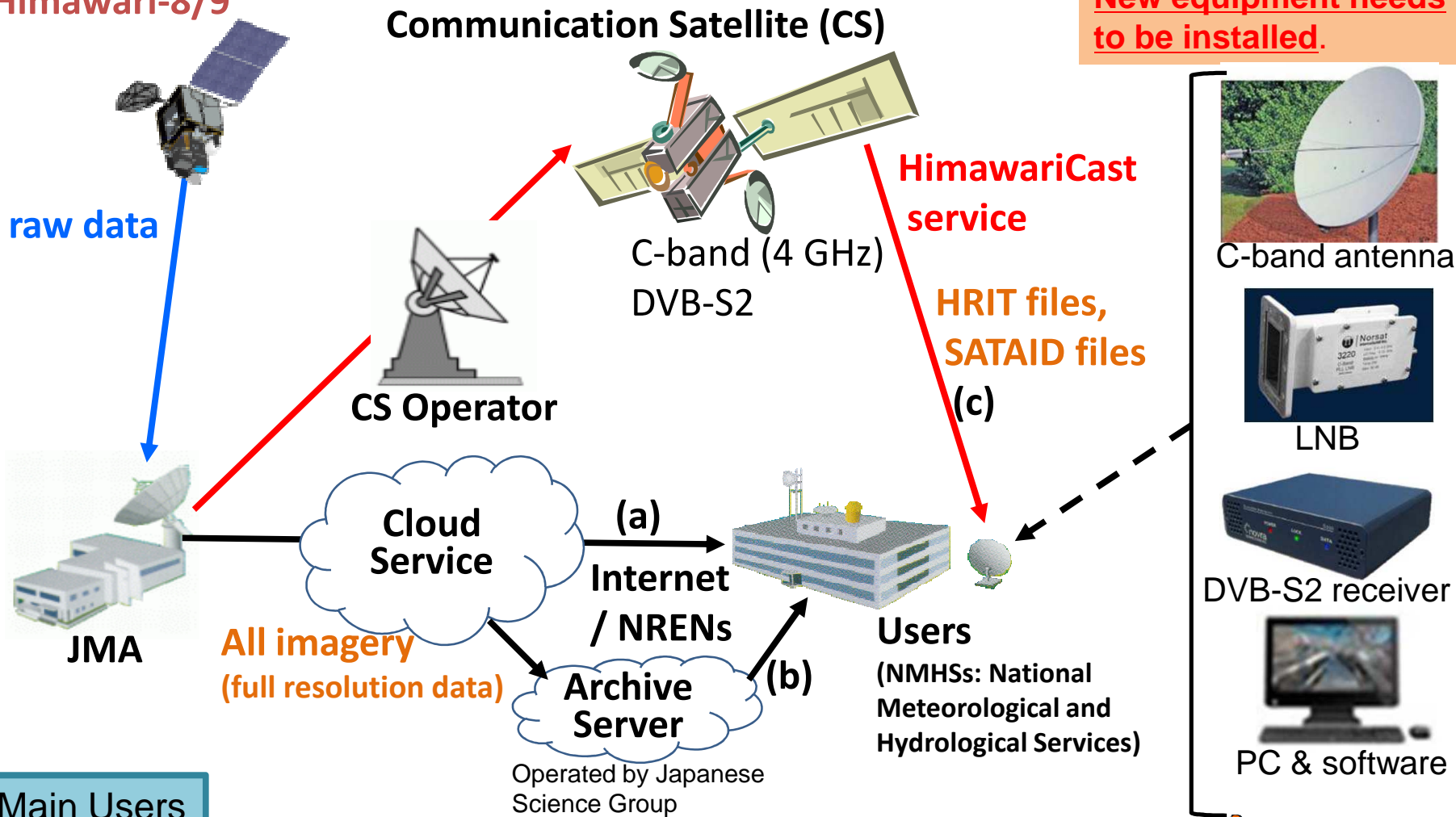
Status of Himawari-8/9 data distribution/dissemination

Presented to CGMS-42 Plenary session, agenda item E.2

Japan Meteorological Agency

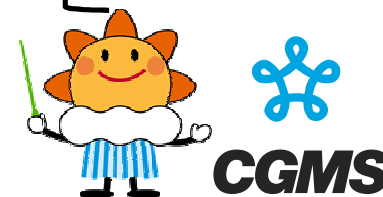
Himawari-8/9

New equipment needs to be installed.

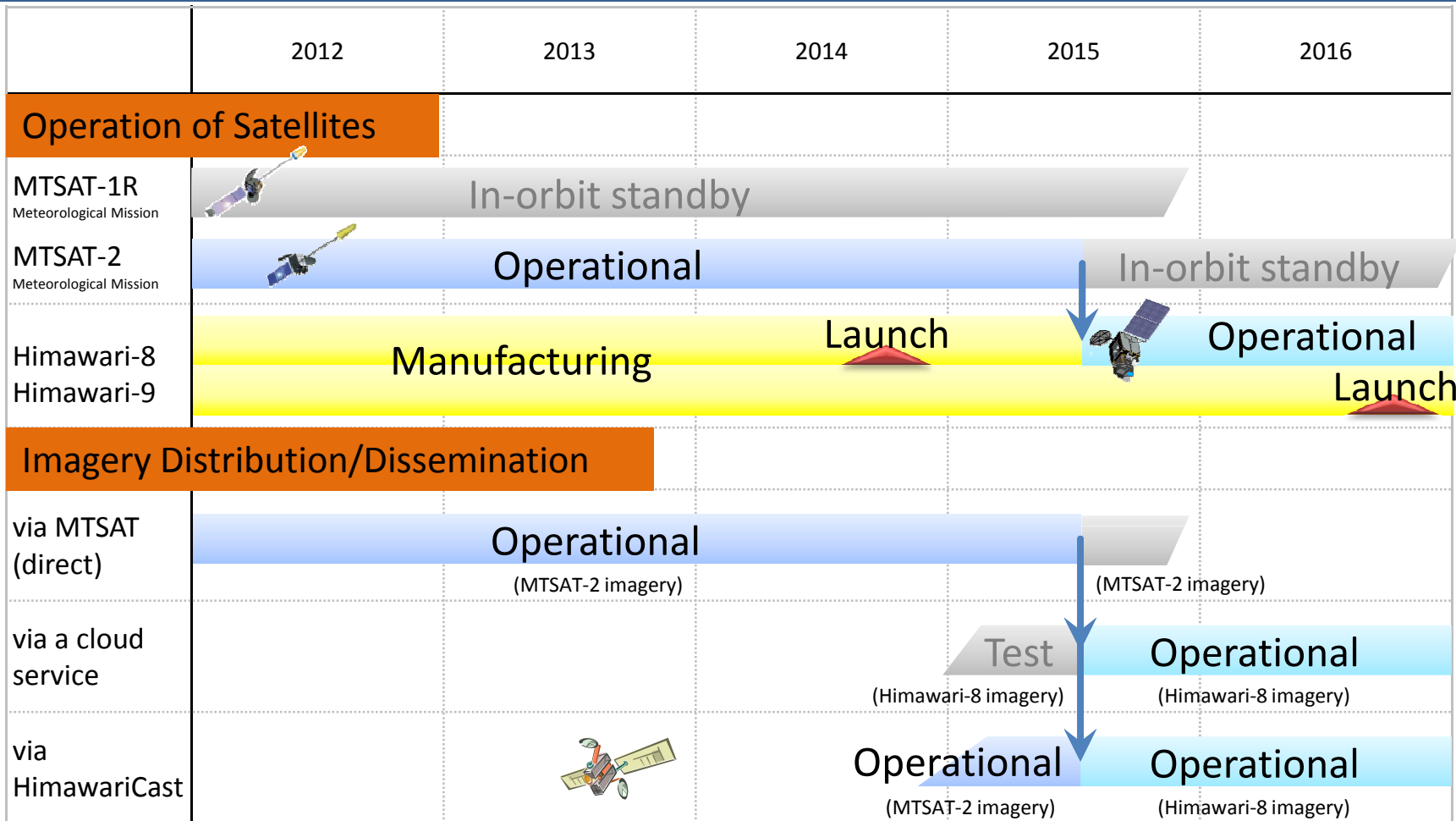


Main Users

- (a) Cloud Service:** NMHSs (1 agency / 1 nation)
- (b) Archive Server:** universities and research agencies
- (c) HimawariCast:** NMHSs with a limited Internet access



Coordination Group for Meteorological Satellites - CGMS



Parallel Dissemination
for users' smooth transitions



Internet Cloud Service

The tentative data set

Format	Observation Area	Notes
Himawari Standard Data (HSD)	Full disk Target area	<ul style="list-style-type: none"> - Full disk: every 10 minutes, <u>182 GB / day</u> - Target area: every 2.5 minutes, <u>6 GB / day</u> - 16 bands - Finest-spatial-resolution data
PNG	Full disk Target area	<ul style="list-style-type: none"> - True-color images (composites of 3 visible bands) - Full disk: every 10 minutes, <u>21 GB / day</u> - Target area: every 2.5 minutes, <u>1 GB / day</u> - Same spatial resolution as HSD
NetCDF	Target area	<ul style="list-style-type: none"> - Every 2.5 minutes, <u>22 GB / day</u> - 16 bands - Same spatial resolution as HSD

Features

- NMHS can get data using HTTP 1.1 client such as Web browser or Wget.
- NMHS can select data necessary for its operation.
(HSD is created separately for each band, and divided into 10 segments.)

16 bands x 10 segments = 160 files / 10 minutes

Notes

- Basically one download per one nation.
- Account registration is required.
- High speed Internet access (25 Mbps) is required to download all HSD.



HimawariCast Service

The tentative data set

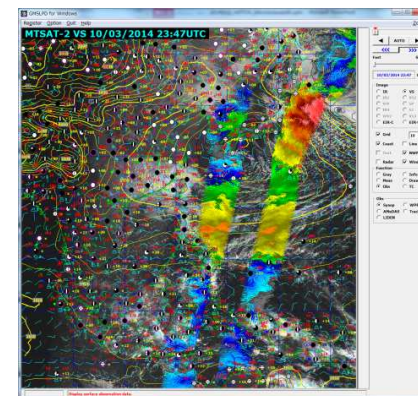
Data type	Format	Notes
Himawari-8/9 imagery (Full Disk)	HRIT files LRIT files	<ul style="list-style-type: none"> - Compatible with current MTSAT HRIT and LRIT services - Every 10 minutes, <u>41 GB / day</u> - HRIT: 5 bands; LRIT: 3 bands - Coarser spatial resolution than HSD
NWP Products (GPV)	SATAID format	<ul style="list-style-type: none"> - JMA Global Model (GSM) products - Every 6 hours, <u>40 MB / day</u>
In-situ Observations (surface, ship, upper)	SATAID format	<ul style="list-style-type: none"> - Observation data collected from the East Asia and Western Pacific regions - <u>5 MB / day</u>
ASCAT Ocean Surface Wind (EUMETSAT)	SATAID format	<ul style="list-style-type: none"> - Originally provided by the EUMETSAT OSI SAF and converted into SATAID format by JMA - <u>5 MB / day</u>

Features

- With SATAID application, you can overlay GPV, SYNOP, etc. on satellite imagery. (SATAID is widely used by NMHSs in the East Asia and Western Pacific regions.)
- JMA will prepare a set of software which converts HRIT files into SATAID format.

Notes

- Receiving and processing system is required.



- JMA will announce **the details of HimawariCast and receiving equipment** including a diameter of dish antenna in due course.
- JMA would like to coordinate with users (NMHSs) when and how to do a **delivery test from the cloud**.

JMA's contact point

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