

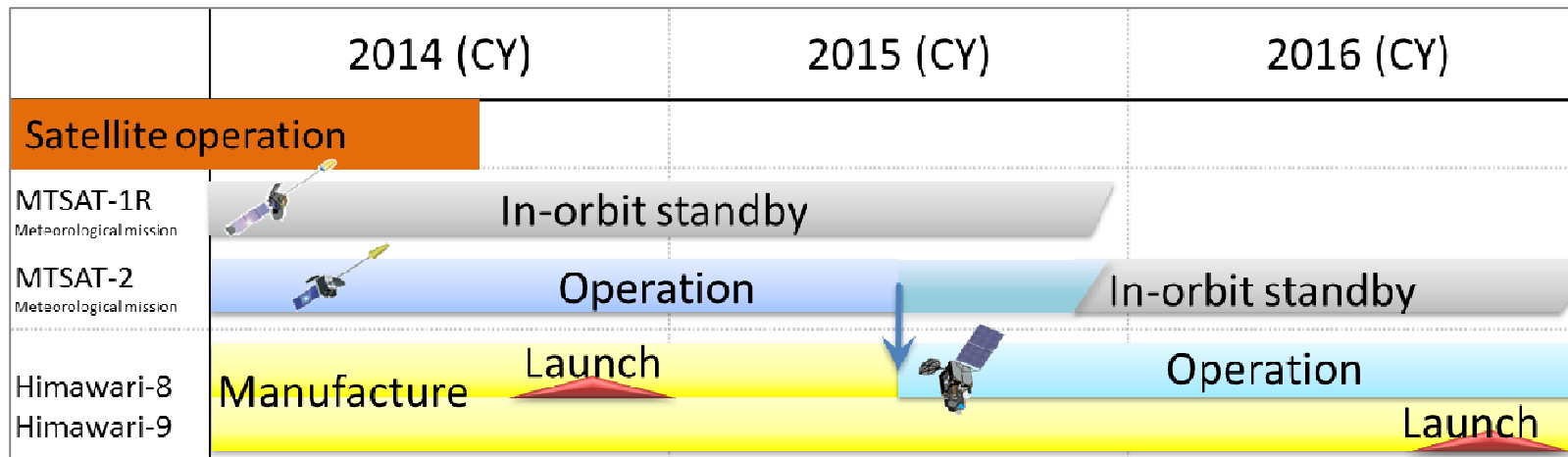
User readiness – Himawari-8

Presented to CGMS-44 Plenary Day 1, JMA-WP-07, agenda item C.3

Japan Meteorological Agency

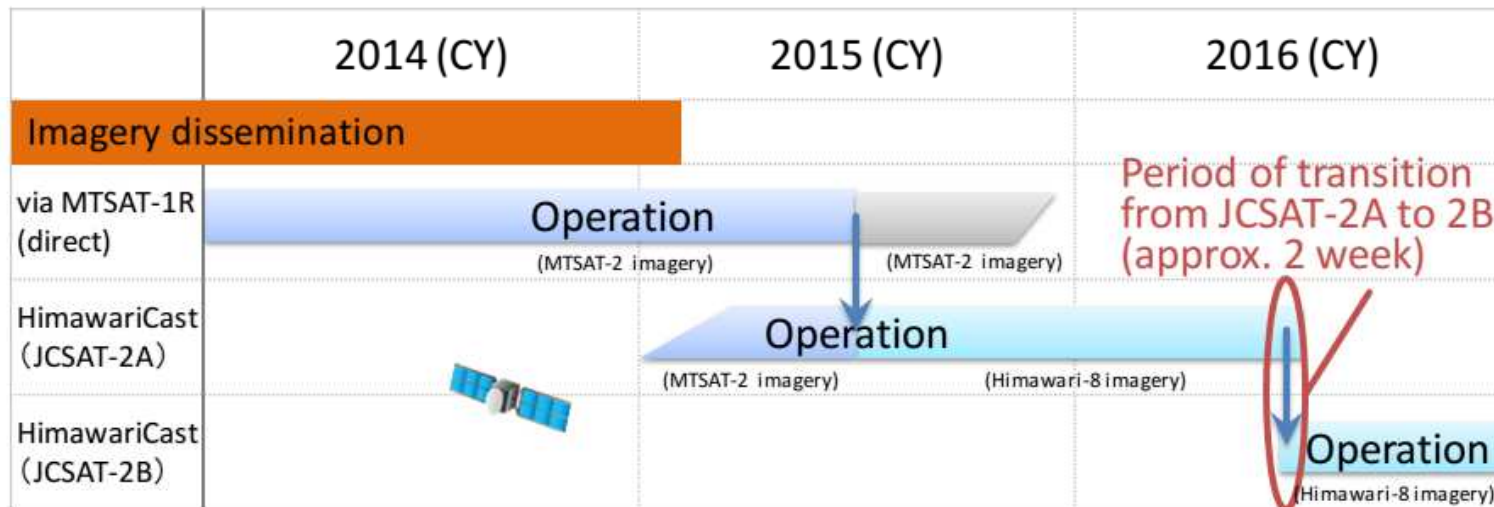
Introduction

- Himawari-8: became operational on 7 July 2015
 - Provision of commissioning phase data since April 2015
- MTSAT-2: backup mode of Himawari-8
 - Direct broadcasting via MTSAT-1R until December 2015
 - Provision AMV/CSR via the Internet until 24 March 2016
- MTSAT-1R: re-orbit in December 2015
- Himawari-9: to be launched in 2016



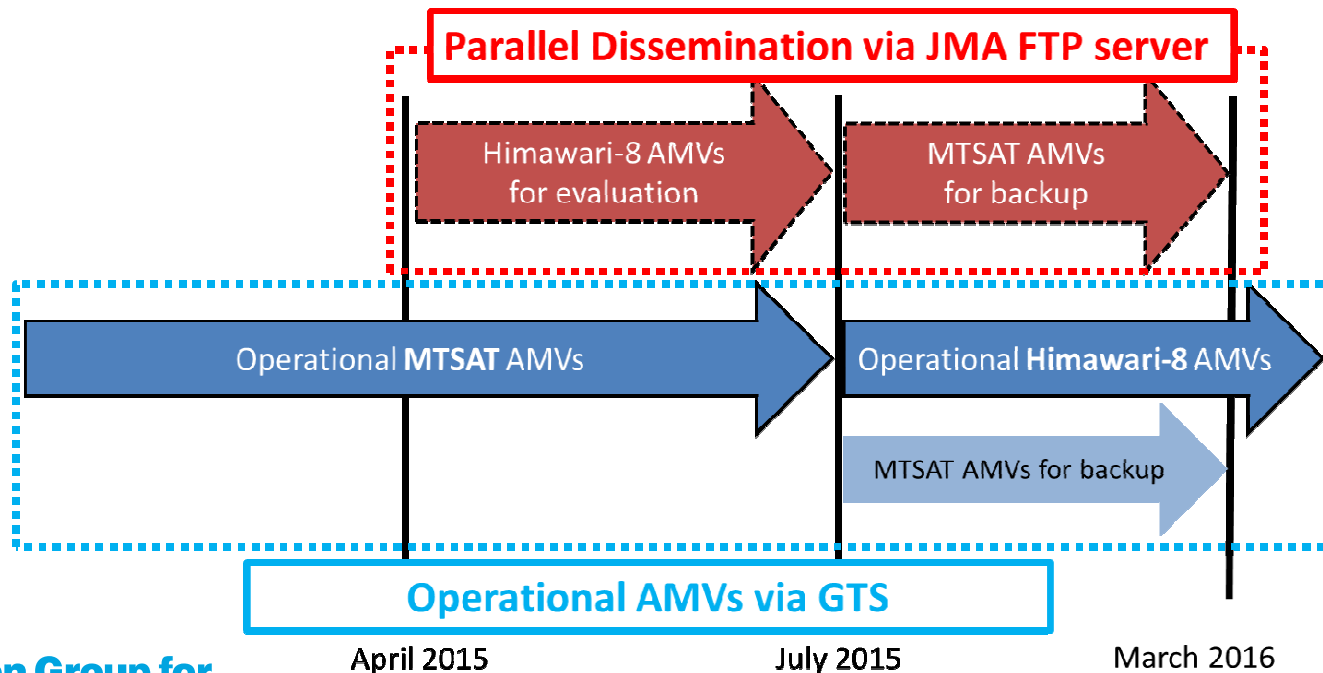
Direct Data Dissemination – HimawariCast via Communication Satellite

- Dissemination of MTSAT-2 imagery: started in January 2015
- Switched to Himawari-8 imagery and relevant products in July 2015
- MTSAT-2: continued observation, direct dissemination of the imagery via MTSAT-1R until December 2015
- Transition of communication satellite: ~2 week of parallel distribution
 - 2016-07-06 03:00 UTC to 2016-07-20 03:00 UTC



Data Dissemination via the Internet

- JMA Data Dissemination Service (JDDS) for NWP users at NMHSs
 - FTP service: various meteorological data
 - Himawari-8 AMV/CSR: provided from May to July 2015 for NWP users
 - MTSAT-2 AMV/CSR had been provided via JDDS and GTS until 24 March 2016 to help smooth the transition from MTSAT-2 to Himawari-8



Documentation – Online Himawari-8/9 information

- **Satellite status, observation schedule, imager specifications, sample observation data and formats, data distribution methods, Cal/Val monitoring, etc.**

– Himawari User's Guide on JMA/MSM webpage

<http://www.jma-net.go.jp/msc/en/support/index.html>

– Similar information on SATURN

- **Level-2 product ATBDs**

– Published in MSM Technical Note in March 2016

<http://www.data.jma.go.jp/mscweb/en/product/library/note/index.html>



Training

- **Training at 6th Asia/Oceania Meteorological Satellite Users' Conference (November 2015)**
 - To provide details on new GEO satellites to assist with user preparation
 - To provide users an appreciation of various applications of meteorological satellite data / products
 - To provide participants with skills to apply the satellite observations to weather analysis, climate monitoring, and environment and disaster management
 - 2 days course (78/54 attendees from 36/32 countries)
- **Training seminars for individual NMHSs in Asia/Pacific regions (2015 – present)**
 - 14 NMHSs so far, 12 NMHSs planned
 - Training seminars on Himawari-8 utilization by JMA staffs
 - To support the enhancement of weather monitoring / forecast techniques using Himawari-8 data



Summary – Himawari-8 User Readiness

- Data Dissemination
 - via HimawariCast
 - via the Internet (JDDS)
- Documentation
 - JMA/MSM website
 - SATURN
- Training Course
 - Training at 6th Asia/Oceania Meteorological Satellite Users' Conference (November 2015)
 - Training seminars for individual NMHSs in Asia/Pacific regions (2015 – present)

Thanks for your attention