Kozo Okamotot*, Kotaro Bessho
(JMA : Japan Meteorological Agency)

Misako Kachi
(JAXA : Japan Aerospace Exploration Agency)

Himawari-8

- Launched on 7 Oct 2014 and started operation on 7 July 2015
- AHI (Advanced Himawari Imager) performs very well
  - 16ch, 2km(IR), 1/0.5km(VIS), 10min(full disk)/2.5min(Japan area)
- Data dissemination
  - Himawari-Cloud service: full data for NHMS
  - HimawariCast broadcasts limited data to ground stations via a communication satellite
- AMV and CSR from Himawari-8 and MTSAT-2 are disseminated
  - Discontinue producing AMV and CSR from MTSAT-2 in late March 2016

Himawari-9

- Scheduled for launch in the 2nd half of 2016

MTSAT-2: stand-by satellite
4 April 2015, Japan

MTSAT2 (IR1)
30min, 4km

Himawari8 (Band13)
2.5min, 2km
25 March 2015, Kamchatka

Eruption of Mt. Shiveluch

MTSAT2 (VIS)
30min, 1km

Himawari8 (Band3)
2.5min, 0.5km
Target observation
**Himawari-8**

- Launched on 7 Oct 2014 and started operation on 7 July 2015
- **AHI** (advanced imager) performs very well
  - 16ch, 2km(IR), 1/0.5km(VIS), 10min(full disk)/2.5min(Japan area)
- Data dissemination
  - **Himawari-Cloud service**: full data for NHMS
  - **HimawariCast** broadcasts limited data to ground stations via a communication satellite
- AMV and CSR from Himawari-8 and MTSAT-2 are disseminated
  - Discontinue producing AMV and CSR from MTSAT-2 in late March 2016

**Himawari-9**

- Scheduled for launch in the 2nd half of 2016

**MTSAT-2**: stand-by satellite
Current operation

- **DPR on GPM Core**: Dual-frequency Precipitation Radar (KuPR + KaPR), Feb 2014~
  - PR: Normal mission operation until 7 Oct 2014 (since 1997!)
  - Extra experimental operations until 1 Apr 2015
- **GOSAT**: FTS for GHG (CO2 & CH4), Jan 2009~
- **AMSR2 on GCOM-W**: Microwave imager, May 2012~
- **PALSAR2 on ALOS2**: SAR for monitoring environment, disaster and resource, May 2014~

Plans

- **SGLI on GCOM-C** (2016): Multi-ch optical imager for monitoring radiation budget and carbon cycle
- **CPR on EarthCARE** (Jan 2018): Doppler cloud radar
- **TANSO-FTS-2 & TANSO-CAI-2 on GOSAT2** (early 2018): FTS & imager for CO2, CH4, CO

Under discussion

- AMSR2 follow-on, GPM/(DPR) follow-on
### JAXA Earth Observation Satellite Lineup

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**Mission status**
- **On orbit**
- **Phase C/D**

*JAXA provided/will provide satellite and/or sensor*