



Report from JAXA

16th GSICS Executive Panel, Boulder, 15-16 May 2015

Keiji Imaoka

*Earth Observation Research Center
Japan Aerospace Exploration Agency*

Agency update

- Overall satellite planning
 - Recent launches, commissioning status
 - GPM and ALOS-2: Launched in 2014 and already operational. Data release in September (GPM) and November (ALOS-2), 2014.
 - Forthcoming launches
 - GOSAT-2 (JFY 2017)
 - GCOM-C (JFY 2016)
 - Major satellite events
 - End of TRMM science operation (April 2015, NASA and JAXA)
- Other major events affecting the agency or its participation in GSICS
 - Himawari-8 capability is of great interest for JAXA. JMA and JAXA are collaborating in exchanging information, calibration, and geophysical products generation, by taking advantage of GEO/LEO complementarity.

Participation in EP, GDWG, GRWG

- Points of contacts/meeting participants:
 - EP: Keiji Imaoka
 - GDWG: None
 - GRWG: Hiroshi Murakami, Misako Kachi, Keiji Imaoka
- Main contribution to GDWG actions
 - None
- Main contribution to GRWG actions
 - Sharing experiences obtained through JAXA's satellite missions (e.g. AMSR series, TRMM/GPM, GOSAT, GCOM-C).
 - JAXA GPM members are discussing inter-calibration of precipitation radars as a GSICS activity.
- Others
 - Interests in Lunar calibration activities in GSICS and participated in the lunar calibration workshop. GOSAT-CAI/TANSO, GOSAT-2, and GCOM-C have lunar-calibration functions.

Highlights of other JAXA calibration activities of interest to the EP

- Railroad Valley Campaign (GOSAT)
 - The first joint vicarious calibration campaign at Railroad Valley desert playa, NV, U.S.A., by coincident flights of OCO-2 grating spectrometer by NASA JPL and GOSAT TANSO-FTS spectrometer by JAXA together with surface and airplane observations (June 27 - July 2, 2015).
- Validation sensor calibration (SGLI)
 - Periodical calibration and intercalibration activity of SGLI validation instruments to keep consistency among various validation results.

