

GSICS MW SubGroup

13 January 2015

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Meeting number: 957 439 298

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Agenda for Today

- Update from the GSICS Users Workshop/Session in Shanghai - **Tim and Larry (15 min)**
- Update from the 7th IPWG – **Ralph (5 min)**
- Update on AMSR-2 from JAXA – **Keiji (10 min)**
- Update on GPM X-Cal - AMSR-2, GMI, etc. – **Rachel (10 min)**
- Moving ahead on future endeavors – **ALL (45 min)**
 - Preparation/Plans for GRWG+GDWG Meeting – March, India
 - Linkages to CEOS MW subgroup - **Cheng-Zhi**
 - GDWG MW standards - **Tim, Manik**
 - SMMR sub group – **Karsten**
- Next meeting and wrap up (5 min)

Summary of IPWG-7 and Items of Relevance to GSICS (1/2)

- Hosted by JAXA in Tsukuba, Japan, Nov 17-21, 2014
- 125 participants, over 20 countries
 - 49 oral presentations
 - 57 poster presentations
- 28 attendees at training course
- 5 working groups
 - Research
 - Oper. Applications
 - Validation
 - Data Assimilation
 - New Technology



Summary of IPWG-7 and Items of Relevance to GSICS (2/2)

1. **For all CGMS Members** - Continue an operational constellation of conically-scanning microwave platforms to guarantee sustained support for the current level of capability.
 - Concerns are - GCOM-W follow-on, SSMIS F20 and WindSat follow on, GMI#2, MWI on EPS-SG

2. **For all CGMS Members** - Coordinate crossing times of precipitation relevant satellites in an effort to improve the temporal sampling of the diurnal cycle, convective system lifecycles and severe storms.
 - There are “logical” gaps in current polar constellation that could be better coordinated, i.e., could spare satellites be moved to help?

3. **For all CGMS Members** – Provide specific plans (e.g., sensors, timelines, etc.) regarding the reprocessing of all L1 radiance data, L2/L3 derived precipitation products , and their intercalibration (i.e., SCOPE-CM, NOAA CDR, etc.).

Backup Slides

Scope of Microwave Sub-Group

- Understanding the users' requirements for inter-calibration products for microwave instruments
 - Imagers + sounders – passive only, initially?
- Identifying existing products that could meet those requirements
- Encouraging the creators of those products to submit them to the GSICS Procedure for Product Acceptance ([GPPA](#))
- Reviewing these products to ensure they adhere to GSICS principles with other members of the Sub-Group and users.
 - 1st candidate product is under review: Cheng-Zhi Zou's MSU-AMSU recalibration.
- GSICS Products could be developed within the Microwave Sub-Group.
- Coordination with other groups (such as the CEOS Microwave Sub-Group) would also be required to generate standards and best practices for microwave radiometer calibration.

Members

Signed up as at 2014-11-6

- Ralph Ferraro (NOAA) – Chair
- David Walker (NIST)
- Isaac Moradi (Uni Maryland/NOAA)
- Wenze Yang (Uni Maryland)
- Linwood Jones (Uni Central Florida)
- Huan Meng (NOAA)
- Hu ("Tiger") Yang (CMA)
- Cheng-Zhi Zou (NOAA)
- Songyan Gu (CMA)
- Qifeng Lu (CMA)
- Jörg Ackermann (EUMETSAT)
- Wes Berg (Colorado State University)
- Ed Kim (NASA-GSFC)
- Dong-Bin Shin (Yonsei University, South Korea)
- Keiji Imaoka (JAXA)
- Misako Kachi (JAXA)
- Karsten Fennig (DWD for EUMETSAT Climate Monitoring Satellite Application Facility)
- Tim Hewison (EUMETSAT)

Anticipated Focus Topics for Upcoming Year

- **Moving ahead with GSICS MW products/new opportunities:**
 - Continue to move forward on the NOAA MSU/AMSU product/methodology once the GDWG clearly defines generic standards for MW products
 - Move forward with the EUMETSAT SSM/I (MW Imager) product/methodology
 - Develop splinter group on bringing in SMMR data to MW imager time series
- **Tying together other groups/opportunities**
 - JAXA's participation with MW/imagers (e.g., AMSR-E and AMSR-2)
 - Engaging more closely GPM X-Cal
 - Linkages to CEOS MW subgroup - future meeting in China and get China involvement in GSICS?
- **Upcoming Meetings of Interest and Relevance:**
 - *IPWG – Tsukuba, Japan – November 17-21, 2014*
 - *MW Sub-Group – December 2014*
 - *GPM X-Cal – 2015, TBD*
 - *Annual GDWG+GRWG – March 16-20, 2015 – New Dehli, India*