

# GSICS MW SubGroup 13 January 2015

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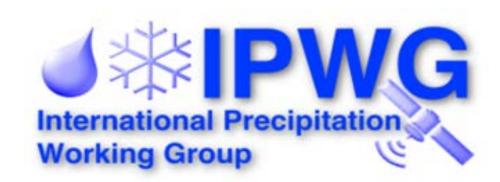
## Agenda for Today

- 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)

- 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