7th Workshop of International Precipitation Working Group
17-21 November 2014
4th floor, Tsukuba International Congress Center, Tsukuba, Japan

Final Agenda

Monday, 17 November 2014

Time	No.	Title	Presenter
0830		Registration	
0850		Miscellaneous Announcement	
0900	**Session 1**	**Introduction**	**(Chair: G. Huffman)**
0900-0905		Welcome from JAXA	N. Matsuura (JAXA EORC Director)
0905-0920	**1.1**	Welcome and Introduction	R. Oki
0920-0940	**1.2**	Overview of IPWG goals	N-Y. Wang and K. Aonashi
0940-1000	**1.3**	Update on CGMS activities	R. Ferraro and S. Bojinski
1000	**Session 2**	**GPM overviews**	**(Chair: G. Huffman)**
1000-1020	**2.1**	GPM Science Status Nine Months after Launch	G. S. Jackson
1020-1040	**2.2**	Early Results and Expectations for the GPM Science	Y. N. Takayabu
1040-1110	**Coffee break (Room 405)**		
1110	**Session 3**	**Satellite program Status**	**(Chair: V. Levizzani)**
1110-1130	**3.1**	Observation of water-related parameters by GCOM-W/AMSR2	M. Kachi
1130-1150	**3.2**	The status of NOAA/NESDIS precipitation algorithms and products	R.Ferraro
1150-1210	**3.3**	Impact of Megha-Tropiques data in GPM constellation based rainfall estimate using the TAPEER algorithm	R. Roca
1210-1230	**3.4**	Prospects for the Microwave Constellation	G. Huffman
1230-1430	**Lunch (*Photo Session)**		
1430	**Session 4**	**Algorithm I**	**(Chair: R. Ferraro)**
1430-1450	**4.1**	Comparison of DPR and GMI precipitation rate estimates	S. Seto
1450-1510	**4.2**	Initial GPROF results using a GPM derived database	C. Kummerow
1510-1530	**4.3**	Multiplatform Rain Retrieval Intercomparison	N.Viltard
1530-1550	**4.4**	Global Satellite Mapping of Precipitation (GSMaP) product in the GPM era	T. Kubota
1550-1610	**4.5**	Towards the Consideration of Surface and Environment variables for a Microwave Precipitation Algorithm Over Land	N-Y. Wang
1610-1630	**4.6**	Shallow Orographic Heavy Rainfall in the Asian Monsoon Region Observed by TRMM PR	S. Shige.
1630-1830	**Session 5**	**Poster I (Room 405)**	
	P1.1	The next-generation GSMaP MWI precipitation retrieval algorithm	K. Aonashi
	P1.2	Towards an automatic phase distinction algorithm of optical disdrometer data over the ocean	J. Burdanowitz
	P1.3	CDRD and PNPR passive microwave precipitation retrieval algorithms: extension to the MSG full disk area.	D. Casella
	P1.5	Performance Evaluations of Falling Snow using the Global Precipitation Measurement (GPM) Radiometer Retrieval Algorithm	G. Jackson
	P1.6	GPM Passive and Combined Precipitation Algorithm Testing and Improvement	B. T. Johnson
	P1.7	On the vertical profiling of precipitation from space	S. Kacimi
	P1.9	Characterization of the microphysics of ice in tropical convection	A. Martini

	P1.10	Rain retrieval using the SAPHIR water vapor sounder on Megha-Tropiques	A. Martini
	P1.11	Gage Adjusted Global Satellite Mapping of Precipitation (GSMaP Gauge)	T. Mega
	P1.12	H-SAF future developments on Convective Precipitation Retrieval	D. Melfi
	P1.13	Snowfall Rate Retrieval using NPP ATMS Passive Microwave Measurements	H. Meng
	P1.14	Satellite rainfall retrievals from Operational INSAT-3D satellite and its Validation for climate, weather, and hydrometeorological applications	A. K. Mitra
	P1.15	Microphysical Properties of Precipitation over Complex Terrain inferred from TRMM, GPM, and IPHEX observations	S.J. Munchak
	P1.16	Constructing a Physically-Consistent Database for Passive Microwave Retrieval of Precipitation over Land	S.E. Ringerud
	P1.17	The error model of the TAPEER rainfall product	N. Taburet
	P1.18	Convective/stratiform classification from passive microwave observations: Developing the PMW-CLASS algorithm and performance evaluation	S. Veleva
	P1.19	Post-GPM rain retrieval and 3-D wind retrieval: the DYCECT mission	N. Viltard
	P1.20	Improvement of the orographic/nonorographic rainfall classification scheme with a static stability information in the GSMaP algorithm	M.K. Yamamoto
1830-2030	**Ice Breaker (Rooms 405, 406)**		

Tuesday, 18 November 2014

Time	No.	Title	Presenter
0900	**Session 6**	**Validation I**	**(Chair: C. Kidd)**
0900-0920	**6.1**	Analysis of satellite monthly precipitation time series over East Africa	V. Levizzani
0920-0940	**6.2**	Comparison analysis between radar-based QPE and High Resolution Satellite Precipitation Products around the Korean Peninsula	S-D. Yang
0940-1000	**6.3**	Introduction of radar data quality control procedure in Poland and its impact on validation of H-SAF precipitation products	B. Lapeta
1000-1020	**6.4**	GoAMAZON - CHUVA: GPM Ground Validation Activities	D. Vila
1020-1040	**6.5**	CloudSat and multi-sensor information to assess and improve high latitude precipitation retrievals from space	A. Behrangi
1040-1110	**Coffee break (Room 405)**		
1110	**Session 7**	**Precipitation Datasets**	**(Chair: P. Kucera and K. Aonashi)**
1110-1130	**7.1**	Recent Advances in Interpreting Cloudsat Precipitation Observations	T. L'Ecuyer
1130-1150	**7.2**	Reprocessed and Bias-Corrected CMORPH H Global High-Resolution Precipitation Estimates for Weather, Climate, and Hydrometeorological Applications	P. Xie
1150	**Session 8**	**Application I**	**(Chair: P. Kucera and K. Aonashi)**
1150-1210	**8.1**	Evaluation of Satellite Precipitation Products Using Global Flood Calculations	R. Adler
1210-1230	**8.2**	The Critical Role of Satellite Rainfall Estimates for Enhancing National Climate Services Across Africa	T. Dinku
1230-1430	**Lunch (*JAXA TKSC Visit)**		
1430	**Session 9**	**Algorithm II**	**(Chair: N-Y. Wang)**
1430-1450	**9.1**	Using TRMM Observations and Synthetic Retrievals to Examine the Sensitivity of a Passive Microwave, Bayesian-based Precipitation Retrieval to Land Surface Properties	J. Turk
1450-1510	**9.2**	Early results of precipitation retrievals from cross-track sensors for the Global Precipitation Measurement mission constellation	C. Kidd
1510-1530	**9.3**	Improvements to the GOES-R Rainfall Rate Algorithm	R. Kuligowski
1530-1550	**9.4**	Precipitation Estimation using Combined Radar and Microwave Radiometer Observations from GPM - Initial Evaluation	W. Olson
1550-1610	**9.5**	Early Examples and Plans for the Integrated Multi-Satellite Retrievals for GPM (IMERG)	G. Huffman

1610-1630	**9.6**	Second Generation CMORPH:Winter Hemisphere Experiments	R. Joyce
1630	**Session 10**	**New Technology**	**(Chair: P. Kucera)**
1630-1650	**10.1**	Multi-frequency Radar	S. Tanelli
1650-1710	**10.2**	Millimeter Imager	C. Kidd
1610-1730	**10.3**	Cloud and Precipitation Process Mission	G. S. Jackson
1730-1930	**Session 11**	**Poster II (Room 405)**	
	P2.1	Hydrologic application and assessment of remotely sensed high resolution precipitation products over cold-mountainous regions	A. Behrangi
	P2.2	The Oceanic Shipboard Precipitation Measurement Network for Surface Validation - OceanRAIN	J. Burdanowitz
	P2.3	Reliability of Satellite Rainfall Retrieval Against Surface Rainfall Observation under Weather Extremes	C-T. Chen
	P2.4	Evaluation of Global Satellite Mapping of Precipitation (GSMaP) project daily precipitation estimates over the Chinese Mainland	Z. Chen
	P2.5	Validation of CHIRP Satellite Rainfall Estimates	T. Dinku
	P2.6	Alternative methods for providing GV in the rain-gauge-poor Tropics	M. Gosset
	P2.7	Investigation on H-SAF preoperational precipitation product PR-OBS-15 findings using satellite and ground based data sources	R. Iwanski
	P2.8	Validation of satellite-based precipitation estimates: Preliminary results from GPROF using GPM database for the CHUVA field campaigns	R. J. Oliveira
	P2.9	Evaluating GPM Level II Precipitation Products at fine scale over the Conterminous United States: preliminary results	P-E. Kirstetter
	P2.10	Satellite Precipitation Evaluation Tools	P. Kucera
	P2.11	An Error Model for Satellite Precipitation Products	V. Maggioni
	P2.12	Ground validation of the Dual-frequency Precipitation Radar with The Phased Array Weather Radar	T. Mega
	P2.13	Validation and Monitoring of NOAA's AMSR2 Precipitation Product	P. Meyers
	P2.14	Evaluation and Improvement of Satellite-Based Daily Precipitation Products over the Tibetan Plateau	Y. Shen
	P2.15	Accuracy of Satellite-based Rainfall Estimates in Small Mountainous Catchments: A Case of Khudi Khola	M. S. Shrestha
	P2.16	Comparison Global Precipitation Products to Euro-Asian Water Basins of Istanbul	S. A. Sirdas
	P2.17	Validation of Near-Real Time Satellite Rainfall Products and Assessment of its Bias over Different Homogeneous Regions of India based on Topographical Analysis	S. Upadhyaya
	P2.18	NARVAL Airborne remote sensing of clouds and precipitation for satellite validation with HALO	M. Mech
	P2.19	Evaluation of satellite based Quantitative Precipitation Estimates (QPEs) over CONUS (2002-2012): Comparison with surface and radar precipitation datasets	O. Prat

Wednesday, 19 November 2014

Time	No.	Title	Presenter
0900	**Session 12**	**Validation II**	**(Chair: B. Lapeta)**
0900-0920	**12.1**	Precipitation Error Structure and Representation	Y. Tian
0920-0940	**12.2**	Ground Validation of the TAPEER-BRAIN daily accumulations from Megha-Tropiques program over the Tropics and comparison with other rain products	M. Gosset
0940-1000	**12.3**	Comparison between GPM Core GMI GPROF precipitation estimations and ground data over Europe by the H-SAF Precipitation Product Validation Group	A. Rinollo
1000-1020	**12.4**	Evaluation of satellite-based rainfall products over the Brahmaputra basin	S. Bajracharya

1020-1040	**12.5**	Global View of Real-time TRMM Multi-satellite Precipitation Analysis	B.Yong
1040-1110	**Coffee break (Room 405)**		
1110	**Session 13**	**Application II**	**(Chair: J. Turk)**
1110-1130	**13.1**	Rainfall Estimation using Spatiotemporal Evolution of GEO Multispectral Imagery	K. Hsu
1130-1150	**13.2**	Evaluation of Raindrop Size Distributions to Improve Satellite Rainfall Estimation during the Colorado Flood	P. Kucera
1150-1210	**13.3**	Towards an object-oriented validation system for high-resolution NWP models	J.L. Bytheway
1210-1230	**13.4**	Toward downscaling the Megha-Tropiques rainfall products: detection issues over West Africa	C. Guilloteau
1230-1250	**13.5**	Investigating the usability of TRMM satellite based precipitation products for flood monitoring over Riyadh Region in Kingdom of Saudi Arabia	A. E. Tekeli
1250-1430	**Lunch**		
1430-1630	**Session 14**	**Poster III (Room 405)**	
	P3.1	Aerosol effects in different types of precipitating clouds in the Amazon	R. Braga
	P3.2	Scale and uncertainties issues in Hydrological applications of satellite rain products : Case study of the Niger River floods in Niamey	C. Casse
	P3.3	Study on the trends of microwave land surface emissivity and precipitation characteristics derived from TRMM	F. A. Furuzawa
	P3.4	Analysis and investigation of extreme rainfall events combining different data sources	S. Gabriele
	P3.5	Characteristic differences between the heaviest rainfall and the tallest storms	A. Hamada
	P3.6	Importance of Calibrated Satellite Data for Weather and Climate Monitoring and Forecasting	G. Kelem
	P3.7	Online Intercomparison of Satellite-based Global Precipitation Products: Challenges, Progress and Future Directions	Z. Liu
	P3.8	Variability of Climatic Elements in Nigeria over Recent 100 years.	T. Salami
	P3.9	Global Tracking and Life Cycle Analysis of Storms using a Decade of Satellite Observations	R. Esmaili
	P3.10	JAXA GPM Mission Operation system overview and GPM data distribution from G-Portal	T. Nio
	P3.11	Verifying precipitation forecasts with satellite rainfall products taking into account their uncertainties	P. Chambon
	P3.12	Adaptive observation operator for microwave radiances affected by frozen precipitation in Goddard Ensemble Data Assimilation System	P. Chambon
	P3.13	Development of GPM/DPR Data Assimilation at JMA	Y. Ikuta
	P3.14	Comparative study of GPM-derived precipitation with the 3.5-km-resolution NICAM simulations	S. Kotsuki
	P3.15	Towards the assimilation of space-borne precipitation radar in the ensemble-based variational scheme	K. Okamoto
	P3.16	Recent Developments and Releases of Precipitation Products from the German Weather Service and the EUMETSAT CM SAF	A. Andersson
	P3.17	Future changes in precipitation associated with the Baiu front in the CMIP5 simulations	C. Yokoyama
	P3.18	Developing Consistent Precipitation Estimates from Microwave Radiometers for GPM and Long-Term Climate Applications	W. Berg
	P3.19	PERSIANN-CDR: A Daily Precipitation Climate Data Record	K. Hsu
	P3.20	GPM Data Products , their availability and production status	E. F. Stocker
1630-1645	**Working Groups (WG) Instructions**		
1645-1830	**WG Breakout Session 1 (Rooms 403, 404, 405, 406, 407)**		
1830-2030	**Workshop Dinner hosted by JAXA (Restaurant ESPOIR, 1st Floor)**		

Thursday, 20 November 2014

Time	No.	Title	Presenter
0900-1040	**WG Breakout Session 2 (Rooms 402, 403, 404, 405, 406)**		
1040-1110	**Coffee break (Room 405)**		
1110-1230	**WG Breakout Session 3 (Rooms 402, 403, 404, 405, 406)**		
1230-1430	**Lunch**		
1430-1600	**WG reports**		
1600-1630	**IPWG7 Wrap Up**		
1630	**Arthur Hou Memorial Session on Precipitation Data Assimilation**		**(Chair: G. S. Jackson)**
1630-1650	**19.1**	Microphysics, Cloud resolving models, PMM and Arthur Hou	W-K. Tao
1650-1710	**19.2**	Model errors in tropical cloud and precipitation revealed by the assimilation of microwave imagery	K. Lonitz
1710-1730	**19.3**	Initial evaluation of GPM microwave imager observations in the JMA NWP systems	M. Kazumori
1730-1750	**19.4**	Physical Inversion and Data Assimilation of Cloud and Rain-Affected Passive Microwave Satellite Observations	S. Boukabara
1750-1810	**19.5**	Dual-Scale Neighboring Ensemble Variational Assimilation Scheme for a Cloud-Resolving Model	K. Aonashi
1810-1830	**19.6**	A data-assimilation technique to account for the nonlinear dependence of satellite observations of precipitation on variables that are not explicitly resolved by the model	Z. Haddad

Friday, 21 November 2014

IPWG Technical Tour (by pre-registration)

(Last update: 12 Nov. 2014)