IPWG6 Agenda
15-19 October 2012

Monday, 15 October 2012

0730	Registration	
0830	Welcome, Introductions, logistics	**(Director INPE)**
0835	Logistics	**(Daniel Vila)**
0845	Overview of IPWG goals	**(Bozena Lapeta and Paul Kucera)**

0915 Coffee break

0940 Session 1: Program Status updates, Global Scale, and Climatology
(Chair: George Huffman)

0940-1000	Summary of Sopot Meeting of CGMS International Working Groups: **V. Gärtner**
1000-1020	WMO Priorities and Perspectives on the IPWG: **S. Bojinski**
1020-1040	Global Precipitation Measurement (GPM) Mission: Overview and Status: **A. Hou**
1040-1100	Megha-Tropiques Mission Status: **N. Viltard**
1100-1120	The HOAPS Climatology Version 3.2 release and CMIP-5 climate model evaluation using satellite data sets: **A. Andersson**
1120-1140	Global Precipitation: a time to rethink the representation of data products?: **C. Kidd**
1140-1200	Introductions of the Working Groups (WG)

1200-1310 Lunch

1310 Session 2: Precipitation Applications
(Chair: Paul Kucera)

1310-1330	The rainfall type classification over the Korean peninsula using TRMM TMI and ground measurement data: **G.-H. Ryu**
1330-1350	An improved system for estimating precipitation over the Central Andes: **L. A. Blacutt**
1350-1410	Use of Satellite Rainfall Estimates to Improve Climate Services in Africa: **T. Dinku**
1410-1430	Central Andes Climatology: Precipitation and Temperature: **L. A. Blacutt**
1430-1450	Global Flood Estimation Using Satellite Rainfall Information and Hydrological Models: Status and Future: **B. Adler**
1450-1510	Comparison of Tropical convective systems life cycle characteristics from geostationary and TRMM observations for the West African and South American regions: **T. Fiolleau**
1510-1530	Verification of surface reference data sets using satellite and model information: **C. Kidd**

1530-1550 CHUVA Project: Field campaigns to improve precipitation estimation and the knowledge of cloud processes: **L. Machado**

1550-1600 Shapefile Averages from Gridded Data: **G. Huffman**

1600-1730 Poster Session 1 and Coffee

1730 IPWG Ice Breaker

Tuesday, 16 October 2012

0830 Session 3: Precipitation Datasets
(***Chair: Bozena Lapeta)***

0830-0850 Oceanic shipboard precipitation validation database: **C. Klepp**
0850-0910 Application of Probability Density Function-Optimal Interpolation in Hourly Gauge-Satellite Merged Precipitation Analysis over China: **Y. Shen**
0910-0930 Rainfall observation at Saint Peter and Saint Paul Archipelago: **D. Urbano**
0930-0950 High - Resolution Gauge - Satellite Merged Analyses of Precipitation: A 15-Year Record: **P. Xie (remote)**

0950 Coffee Break

1020 Session 4: Algorithms
(Chair: Christian Klepp)

1020-1040 Snowfall Rate Retrieval Using AMSU/MHS/ATMS Measurements: **H. Meng (remote)**
1040-1100 Physical Modeling of Microwave Surface Emissivity from Passive Microwave Satellite Observations: **J. Turk**
1100-1120 Lightning, radar reflectivity and passive microwave observations over land from TRMM: Characteristics and applications in rainfall retrievals: **N-Y. Wang**
1120-1140 Recent Developments on Precipitation Analysis at C.N.M.C.A., in the framework of EUMETSAT H-SAF (H05): **A. Voccino**
1140-1200 The Impact of Convective Clouds Identification and Tracking in the Retrieval of Instantaneous Rain Rate: Recent Development at C.N.M.C.A., in the Framework of EUMETSAT H-SAF: **D. Melfi**

1200-1310 Lunch

1310-1330 Severe Storm Identification with the Advanced Microwave Sounding Unit (AMSU): **R. Ferraro (remote)**
1330-1350 Current Status of GSMaP Project and New Microwave Imager Precipitation Retrieval Algorithm: **K. Aonashi**

1350	**Session 5: Validation, Verification, and Uncertainty** ***(Chair: Vincenzo Levizzani)***
1350-1410	Satellite Rainfall Retrieval Assessment over Different Rainfall Regimes: 'Chuva' Experiment Preliminary Results: **D. Vila**
1410-1430	Comparing a multi-channel geostationary satellite precipitation estimator with the single channel Hydroestimator over South Africa: **E de Coning**
1430-1450	Online Inter-comparison of Satellite-derived Global Precipitation Products: **Z. Liu**
1450-1510	Quantification of oceanic rainfall using complementary sensors from space: **A. Behrangi**
1510-1530	Empirical Analysis and Statistical Modeling of Errors in Satellite Precipitation Sensors: **Y. Tian**
1530	**Poster Session 2 and Coffee**
1700	**End of the Day 2**

Wednesday, 17 October 2012

0830	**Session 5: Validation, Verification, and Uncertainty (cont.)** ***(Chair: Chris Kidd)***
0830-0850	INCA nowcasting system precipitation fields as an alternative data source for H-SAF satellite precipitation products validation – case study analysis: **R. Iwański**
0850-0910	Validation of near-real-time precipitation estimates over Japan and improvement of passive microwave rain retrievals in mountainous areas: **S. Shige**
0910-0930	The Megha-Tropiques Rainfall Products Ground Validation plan: **M. Gosset**
0930-0950	Monitoring and Evaluation of Precipitation Information: **M. Sapiano**
0950	**Coffee Break**
1020-1040	Validation of Satellite Rainfall Products: Blue Nile River Basin, Ethiopia: **M. Gebermichael**
1040-1100	An Experimental Study of the Small-Scale Variability of Rainfall At the Southern Delmarva Peninsula: **A. Tokay**
1100	**Session 6: New Methods, NWP, and Future Activities** ***(Chair: Joe Turk)***
1100-1120	Heading Toward Launch with the Integrated Multi-Satellite Retrievals for GPM (IMERG): **G. Huffman**
1120-1140	Integration of PERSIANN-CCS to the GPM Multi-satellite Precipitation Retrieval Algorithm: **K. Hsu**

1140-1200 Severe storms over the Mediterranean Sea: A satellite and model analysis: **V. Levizzani**
1200-1220 Ice Water Path (IWP) retrieval in convective clouds and life cycle information using passive microwave sensors: **R. Braga**
1220-1240 The atmospheric water cycle over South America as seen in the new generation of global reanalyses: **M. Quadro**

1240-1400 Lunch

1400-1415 Working Groups (WG) Instructions
1415-1730 WG Breakout Session 1

1900 Workshop Dinner

Thursday, 18 October 2012

0830-1000 WG Breakout Session 2

1000 Coffee Break

1030-1200 WG Breakout Session 2 (cont.)

1200-1310 Lunch

1310-1500 WG Reports (WG Chairs)
1500-1530 Future Direction (Chris Kidd)
1530-1600 IPWG Wrap Up (Bozena Lapeta and Paul Kucera)

1600 Special Session on Megha-Tropiques (Nicolas Viltard and Marielle Gosset)

Friday, 19 October 2012

IPWG Field Trip

Poster Session 1: (12 posters)

George Huffman Quasi-Global Precipitation as Depicted in the GPCP V2.2 and TMPA V7
Tufa Dinku Improving Daily Satellite Rainfall Estimated over Africa by Merging With National Rain gauge Observations
Philippe Chambon The behavior of the TAPEER-BRAIN algorithm over the Tropical Oceans
Thomas Heinemann EUMETSAT's role in the provision of precipitation related satellite data
Misako Kachi Current Status of the AMSR2 and the GCOM-W1 "SHIZUKU"

Rachel Albrecht Raindrop size distribution and rainfall characteristics from CHUVA field experiments

Axel Andersson Fundamental Climate Data Record of SSM/I brightness temperatures released from CM SAF

Dan Qi Analysis of Quantitative Precipitation Estimation QPE Based on Merging Multiple Source of Observation data

Leonardo Calvetti Operational QPE using radar, gauge and satellite for hydrometeorological applications in southern Brazil – SIPREC

Irina Petrova Structural Interrelationships in the Evaporation - Precipitation HOAPS-3 Satellite based Fields: Application of Complex Networks

Matt Sapiano A Fundamental Climate Data Record of Intercalibrated Brightness Temperature Data from SSM/I and SSMIS

Evelyn Quirós Badilla Presentation on Current Research Project

Poster Session 2 (11 posters)

Daniel Vila The Performance of Several Satellite Rainfall Retrieval Algorithms over Brazilian Territory

Ran You Precipitation Retrieved from FY-3 Microwave Radiation Imager

Xiaoqing Li Comparison of different TMI rainfall products over Ocean

Alan Calheiros Profiles and Integration of Water Vapor and Cloud and Rain Liquid Water over Brazil using Passive and Active Ground Sensors

Daniele Biron EUMETSAT Hydrological Satellite Application Facility, the Precipitation Products Generation Suite at C.N.M.C.A.

Satoshi Kida Development of a precipitation retrieval algorithm for passive microwave sounder

Paola Salio Validation of satellite precipitation estimates over South America with a network of high spatial resolution observations

Audrey Martini Characterization of the microphysics of ice in tropical convection for rain retrieval algorithms

Kazumasa Aonashi Ensemble-based variational assimilation method to incorporate microwave imager brightness temperatures into a cloud-resolving model

Matias Alcoba Validation of the Megha-Tropiques Rainfall products over South America and Africa

Rebekah Esmaili Global Storm Tracking, Classification, Characterization and Analysis with New Satellite-based Observations