

2011 PMM Poster Agenda

Poster #	Monday, November 7th Poster Titles	Author List
100	Thirteen Year TRMM Composite Climatology (TCC)	Robert Adler, Jian-Jian Wang, and Guojun Gu
101	Is TRMM PR V7 better than V6? Evaluation with a Dense Gauge Network	Eyal Amitai, Carl Unkrich, David Goodrich, Emad Habib, and Bryson Thill
102	Ensemble Error Propagation of Satellite Rainfall Estimate in Multi-Scale Basin Flow Simulations	E.N. Anagnostou, Y. Hong, J.J. Gourley, V. Maggioni, H. Vergara, and D. Stampoulis
103	New GSMaP over-land precipitation retrieval algorithm	Kazumasa Aonashi and Hiroshi Ishimoto
104	Introduction of spectral localization to ensemble-based variational assimilation for a cloud-resolving model	Kazumasa Aonashi
105	From Fog to Tropical Cyclones - Challenges to Comprehensive Ground Validation in the Southern Appalachians	Anna Wilson, Jing Tao, Kevin Olson, Ana Barros, Olivier Prat, and Douglas Miller
106	A multi-frequency approach to retrieve microphysical snowfall parameters for current and future NASA observation systems	Ralf Bennartz, Mark Kulie, and Mike Hiley
107	Investigating the Evolution/Impact of Rainfall Bias Errors through Version 7 and Beyond	Wesley Berg
108	A Physically-based Rainfall Rate Algorithm for All Surfaces: Applicability to All Microwave Sensors Including TRMM & GPM	S.-A. Boukabara, L. Moy, K. Garrett, F. Iturbide-Sanchez, C. Grassotti, and W. Chen
109	Dynamic Downscaling Precipitation and Soil Moisture using Coupled WRF-tRIBS Model - A Preliminary Test	Liao-Fan Lin, Gautum Bisht, Jingfeng Wang, and Rafael Bras
110	Hurricane and Severe Storm Sentinel (HS3): A multi-year NASA Earth Venture-1 Investigation	Scott Braun, Paul Newman, and Marilyn Vasques
111	Application of AMSR-E and a ground-based radar to assess cloud microphysical schemes in the WRF model for a winter storm	Mei Han, Scott A. Braun, Toshihisa Matsui, and Christopher R. Williams
112	Comparison of Do and R from KPOL and PR: Version 6 vs Version 7	V.N. Bringi, Gwo-Jong Huang, David Marks, and David Wolff
113	Intense / Severe Convective Systems: Climatologies and Precipitation Retrievals	Daniel Cecil
114	GPM Profile Classification Algorithm	Chandrasekar and Minda Le
115	Modified monthly oceanic rain algorithm to account for TRMM boost- climate trends from TRMM	Long Chiu, R. Chokngamowong, and T. Wilheit
116	NOAA's Hydrometeorology Testbed - Southeast: Status and Plans	Rob Cifelli, Kelly Mahoney, Lynn Johnson, Tim Schneider, Ben Moore, Ana Barros, Walt Petersen, and Witek Krajewski
117	Enhancing Global Precipitation Products using Remotely-Sensed Surface Soil Moisture	Wade Crow, Fan Chen and George Huffman
118	Using Precipitation Measurement Mission Data in Applied Science Projects	Steve Kempler, William Teng, Zhong Liu, Dana Ostrenga, Mary Greene, and Robert Adler
119	Enhancing Access and Understanding of Precipitation Measurement Mission Data and Information	William Teng, Steve Kempler, Zhong Liu, Dana Ostrenga, and Mary Greene
120	Convection sensitivity to atmospheric state during the developing stage of the MJO	Anthony Del Genio, Jingbo Wu, Yonghua Chen, Daehyun Kim, and Mao-Sung Yao
121	Using surface classification to improve SRT performance over land	S. L. Durden, S. Tanelli, and R. Meneghini
122	Land Surface Characterization for GPM-Era Algorithms	Ralph Ferraro, Nai-Yu Wang, Cecilia Hernandez, and Kaushik Gopalan

2011 PMM Poster Agenda

Poster #	Monday, November 7th Poster Titles	Author List
123	Developing Winter Precipitation Algorithm over Land from Satellite Observations and C3VP Field Campaign Data	Nai-Yu Wang, Kaushik Gopalan, and Ralph Ferraro
124	Precipitation Sparse Downscaling and Multisensor Estimation	Mohammad Ebtehaj and Efi Foufoula-Georgiou
125	2A23 V7 Rain Types	Aaron Funk and Courtney Schumacher
126	Current status of the high resolution products of the GSMaP with IR and Rain Gauge	Tomoo Ushio, Takuji Kubota, and Misako Kachi
127	Evaluation of Satellite Rainfall Products through Streamflow Simulation in a Hydrological Modeling of the Blue Nile River Basin	Menberu M. Bitew and Mekonnen Gebremichael
128	NPOL radar upgrade	John Gerlach, Walt Petersen, and Mike Watson
129	Combined Satellite Radar-Radiometer Precipitation Algorithm for TRMM and GPM	Mircea Grecu and Lin Tian
130	In situ Precipitation Dataset in High Latitudes of the Northern Hemisphere	Pavel Ya. Groisman
131	Changes in intense precipitation over conterminous U.S.: Observational evidence and possible causes	Pavel Groisman, Richard Knight, and Thomas Karl
132	Using the CloudSat data over precipitating systems to help constrain the GPM retrieval algorithms	Ziad S. Haddad, F. Joe Turk, Stephen L. Durden, Svetla Hristova-Veleva, and Simone Tanelli
133	Evaluation of Ice Radar Scattering Models	Andrew Heymsfield, Aaron Bansemmer, and others
134	Using Airborne Radar Measurements to Improve Physical Assumptions in DPR and GMI Algorithms	Gerald Heymsfield, Lin Tian, and Mircea Grecu
135	Development of Ice and Mixed-phase Precipitation Parameterizations for GPM Combined Radar-Radiometer Algorithm Applications	William Olson, Mircea Grecu, Lin Tian, Benjamin Johnson, Kwo-Sen Kuo, and Andy Heymsfield
136	Systematic evaluation of NASA precipitation radar estimates using NOAA/NSSL National Mosaic QPE products	Pierre-Emmanuel Kirstetter, Yang Hong, Jonathan J. Gourley, Sheng Chen, Zachary Flamig, Jian. Zhang, Kenneth Howard, Walt Petersen, and Eyal Amitai
137	Improving precipitation estimation in mountainous west region of United States by incorporating space-borne radar measurements into National Mosaic QPE system	Yixin Wen, Yang Hong, Qing Cao, Jian Zhang, Jonathan Gourley, Guifu Zhang and Kenneth Howard
138	Extreme Precipitation as Depicted in the TMPA and GPCP 1DD	George J. Huffman, Robert F. Adler, David T. Bolvin, and Eric J. Nelkin
139	Version 7 algorithm for the TRMM Precipitation Radar	Toshio Iguchi, Robert Meneghini, Jun Awaka, Toshiaki Kozu, John Kwiatkowski, Naofumi Yoshida, Sinta Seto, and Ken'ichi Okamoto
140	Retrieval Algorithm Development for Falling Snow Detection and Estimation over Land	Gail Skofronick-Jackson, Benjamin Johnson, Joe Munchak, and James Wang
141	Retrieval Algorithm Sensitivity to Variations in Ice Particle Physical Properties	Benjamin Johnson and Gail Skofronick-Jackson
142	Snowfall Detection and Combined Algorithm Capabilities of GPM	S. Joseph Munchak, Benjamin T. Johnson, Gail Skofronick-Jackson, Mircea Grecu, and Bill Olson
143	GMI L1B Algorithm Development	Yimin Ji, Stephen Bilanow, and Erich Stocker
144	Kinematic and Diabatic Profiles from AMMA Sounding Data	Adam J. Davis, Richard H. Johnson, and Paul E. Ciesielski
145	Impact of TMI V7 Brightness Temperatures on the TMI Ocean Precipitation Retrievals	W. Linwood Jones, Spencer Farrar and Steve Bilanow
146	Deep Space Calibration ReAnalysis for TMI - A Pathfinder for GMI	W. Linwood Jones Spencer Farrar and Stephen Bilanow

2011 PMM Poster Agenda

Poster #	Tuesday, November 8th Poster Titles	Author List
200	An Evaluation of the GPROF V7 Cloud-Radiation Database	Eun-Kyoung Seo and Christian Kummerow
201	Studies of Error Structure of GPM Rainfall Estimates and Scale Aspects of Floods	Witold Krajewski, Luciana Cunha, James Smith, Ricardo Mantilla, Bong-Chul Seo, and Jin-Young Hyun
202	The GPM Passive Microwave Rainfall Algorithm	Christian Kummerow
203	Observed recent trends in tropical cyclone rainfall over the North Atlantic, Northeast and Northwest Pacific	Yaping Zhou and William Lau
204	Changes in Tropical Rainfall and Cloud Characteristics Associated with ENSO	K.-M. William Lau and H.-T. Jenny Wu
205	A Framework of Mixed-Phase Hydrometeor Scattering Tables	Liang Liao, Robert Meneghini, and Simone Tanelli
206	Water Balance over Ocean, Land, and Storm	W. Timothy Liu, Xiaosu Xie, and Wenqing Tang
207	Developing A Cloud-Radiation Database at High Microwave Frequencies for Snowfall Retrieval	Guosheng Liu, Yu Wang, Holly Nowell, and Yalei You
208	Status of the Development of the Synthetic GPM Simulator	Toshihisa Matsui, Takamichi Iguchi, Xiaowen Li, and Wei-Kuo Tao
209	Refinement of vicarious cold calibration double difference for GPM radiometer inter-calibration	Rachael Kroodsma, Darren McKague, and Christopher Ruf
210	Quantifying the Contribution of Land Cover to Global Land Surface Emissivity Similarity Classification	Karen Mohr and Grant Petty
211	Field Campaign for GPM/DPR Ground Validation using the Dual Ka-band Radar system	Katsuhiko Nakagawa, Masonori Nishikawa, Kenji Nakamura, Shuji Shimizu, Hiroshi Hanado, and Haruya Minda
212	Intercalibration of 183 GHz sounder channels	Vivienne Payne, Eli Mlawer, Alison Chase, and Jean-Luc Moncet
213	Land Surface Modeling and Data Assimilation to Support Physical Precipitation Retrievals for GPM	Yudong Tian, Kenneth Harrison, Sarah Ringerud, and Christa Peters-Lidard
214	Summary of ARM observations of convective cloud lifecycle during the Mid-latitude Convective Clouds Experiment	Michael Jensen, Walt Petersen, Pavlos Kollias, Scott Giangrande, Nitin Bharwadaj, Scott Collis, and Dave Turner
215	Spanish GPM Activities	Francisco J. Tapiador, Manuel de Castro, Fernando Cuartero, Enrique Arias, Diego Cazorla, Juan Pardo, Cecilia Marcos, Miguel A. Martinez, Gabino Sanchez, Ramiro Checa, Dimitris Katsanos, and Walt Petersen
216	3-D Applications of Disdrometer and Polarimetric Radar Measurements to Support GPM Algorithm Development	Walter Petersen, Viswanathan Bringi, Lawrence Carey, Ali Tokay, Patrick Gatlin, David Wolff, and Merhala Thurai
217	Merged radar-aircraft products in GPM-GV	Stephen Nesbitt, Walter Petersen, and Matthew Schwaller
218	The ARM global precipitation radar network	Scott Collis, Nitin Bharadwaj, Kevin Widener, Scott Giangrande, Michael Jensen and Adam Theisen
219	Over Land Precipitation Detection and Retrieval from TMI	Grant Petty and Ke Li
220	Insights on Tropical Convection from MIRS and TRMM Intercomparisons	Franklin Robertson, Clay Blankenship, and Robert Atkinson

2011 PMM Poster Agenda

Poster #	Tuesday, November 8th Poster Titles	Author List
221	Comparison of V6 and V7 data around Darwin, Australia: Comparison to the C-pol radar	Brenda Dolan, Steven Rutledge, Timothy Lang, Robert Cifelli, and Stephen Nesbitt
222	West African MCS characteristics: A climatological TRMM perspective	Nick Guy and Steven A. Rutledge
223	Current and Emerging Perspectives on Urban Hydroclimate Interactions	Marshall Shepherd, Steve Burian, and Menglin Jin
224	Improvement of rainfall retrieval for passive microwave radiometer over the mountain areas	Shoichi Shige and Aina Taniguchi
225	Extreme Rainfall and Flooding from Landfalling Tropical Cyclones in the Eastern US	James Smith, Gabriele Villarini, Mary Lynn Baeck and Witold Krajewski
226	Effective Integration of LEO and GEO Sensors for Precipitation Retrieval: Global implementation of REFAME	Ali Behrangi, Kuolin Hsu, and Soroosh Sorooshian
227	Geolocation Changes for TRMM V7 and GPM	Steve Bilanow, Michael Hensley, Weiwei Li, Larry Woltz, and John Kwiatkowski
228	Filtering suspicious large values in 2A25_V7 "extreme" rain	Atsushi Hamada and Yukari N. Takayabu
229	Bayesian Classification and Retrieval for APR-2 measurements	Simone Tanelli, Stephen L. Durden, Ziad S. Haddad, Gianfranco Sacco, Robert Chen, Andrew Heymsfield, Aaron Bansemer, Robert Meneghini and Liang Liao
230	MC3E: Real time Forecast and Post Mission Simulations	Wei-Kuo Tao, Di Wu, and Toshi Matsui
231	Spatial & temporal analysis of simulated streamflow based on remotely sensed precipitation	Kenneth Tobin and Marvin Bennett
232	An experimental study of the small-scale variability of raindrop size distribution	Jan-Bernd Schroer, Ali Tokay, Clemens Simmer, and Paul G. Bashor
233	Evaluation of the laser-optical Parsivel2 disdrometer	Ali Tokay, David B. Wolff, Walter A. Petersen, David Makofski, and Jianxin Wang,
234	Explaining Variations in Microwave Surface Emissivity from Passive Microwave Observations	Joe Turk, Li Li, Ziad Haddad, and Kyungwon Park
235	Latest Improvements on Microwave Land Emissivity Model for GPM Applications	Fuzhong Weng, Ming Chen and Quanhua Liu
236	Texas A&M Participation in X-CAL and the Radar Enhanced Radiometer Algorithm Team	Thomas Wilhelm
237	Vertical Structure of DSD parameters retrieved from profilers	Christopher Williams
238	Radar and Disdrometer Observations During MC3E	David B. Wolff and David A. Marks
239	Extending CMORPH to the Poles: Preliminary Results	Robert Joyce, Pingping Xie, Shaorong Wu, and Soo-Hyun Yoo
240	Infusing the Chinese FY3B PMW Retrievals into CMORPH	Pingping Xie, Chun-Xiang Shi, Robert Joyce, Bin Xu, and An-Yuan Xiong
241	Improvements of TRMM V7 rainfall estimates from the perspective of precipitation features	Chuntao Liu
242	Relationships between TRMM precipitation characteristics and large-scale vertical motions in four reanalysis datasets over tropical oceans	Chie Yokoyama, Edward J. Zipser, and Chuntao Liu
243	On the relation between mesoscale convective system life cycles and TRMM observations over Southeastern South America	Luciano Vidal, Paola Salio, Ed Zipser, and Chuntao Liu
244	Downscaling GPM-like satellite precipitation information by WRF ensemble data assimilation system	Milija Zupanski, Sara Q. Zhang, Jason Otkin, Arthur Hou, Xin Lin, and Samson Cheung