

Enhancing Access and Understanding of Precipitation Measurement Missions Data and Information

William Teng^{1,2}, Steve Kempler¹, Zhong Liu^{1,4}, Dana Ostrenga^{1,3}, and Mary Greene^{1,2} ('NASA/GES DISC, ²Wyle IS, ³Adnet, ⁴George Mason Univ.)

NASA GSFC Earth Sciences (GES) Data and Information Services Center (DISC)

Precipitation Measurement Missions (PMM) Science Team Meeting, November 7-11, 2011

Successful science data support for Earth observing satellite missions and their data systems requires a large, well-planned and well-coordinated set of activities that spans more than the lifetime of the missions. The Goddard Earth Sciences Data and Information Services Center (GES DISC) has been providing such science data support for the Tropical Rainfall Measuring Mission (TRMM) since before its launch. These cradle-to-grave data support activities are summarized (below) as milestones. Current activities of the Precipitation DISC (PDISC), including preparations for GPM, are also described. The goal is to enable users to fully realize the scientific, educational, and application potential of NASA precipitation data. At all times, the GES DISC's precipitation data support remains responsive to user needs, accommodating to unanticipated demands, and innovative in availing the users of the latest appropriate technology. Through this support, in the 14 years of TRMM thus far, the GES DISC has largely achieved the goal of enabling an increasing number and variety of users to fully benefit from the use of TRMM data in solving problems. Innovative services are increasingly important and is the focus of the GES DISC going into the GPM era.





n Applied Science Projects.

Acknowledgment: The authors are grateful for the valuable contributions to TRMM data support by former and current members of the GES DISC and for the continued support by NASA.

3425 (V6 - V7

3A25 (V6 - V7)