

# **2<sup>nd</sup> NOAA User Workshop on the Global Precipitation Mission**

**November 29 – December 1, 2011**

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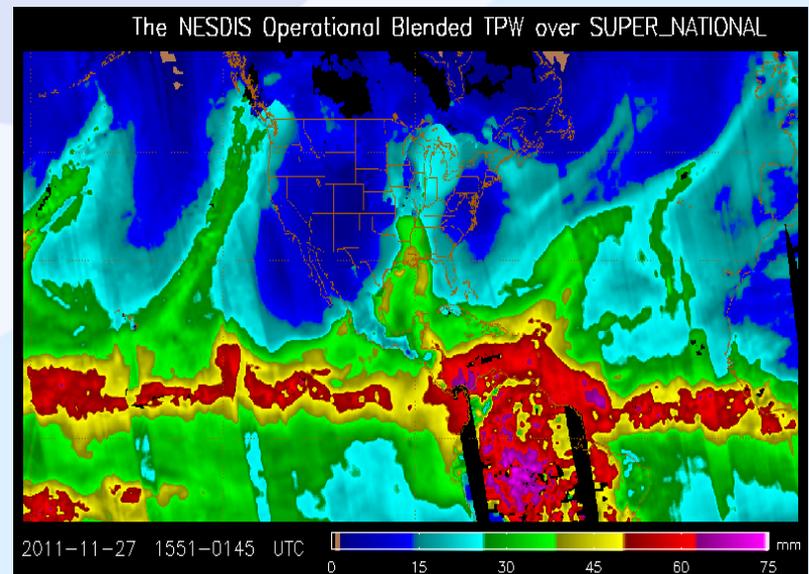
**Low-Earth Orbiting Requirements Working Group (LORWG) Chair**

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# Current Use of Precipitation Products

- **NESDIS provides a variety of precipitation products from various satellites (e.g., DMSP, POES, Metop. GOES, GPS) and NPP in Oct 2012**
  - Conical and line-scan microwave products
    - Total Precipitable Water (TPW)
    - Precipitation Rate
    - Rain Water Path
    - Blended TPW
    - Tropical Rainfall Potential
    - Cloud Liquid Water
    - Ice Water Path
  - Image-Based products
    - Cloud Liquid Water Path
    - Cloud Ice Water Path



**Blended Total Precipitable Water**

# Requirements for Precipitation Products

- **NOAA Consolidated Observational Requirements List (CORL)**
  - NOAA requirements to do a NOAA mission; not linked to a observational platform
- **NOAA Observing System Architecture (NOSA)**
  - Current and future observing system capabilities
- **NOAA can compare requirements vs an observational platform**

**1<sup>st</sup> GPM Workshop Report Documented CORL Requirements and Linked Them To GPM via NOSA**

# Requirements for Precipitation Products (continued)

- **LORWG**

- NOAA Observing System Council (NOSC) requirements working group
- Updating LORWG charter to include GPM project manager (Chandra Kondragunta) as an advisor
- LORWG members can assist GPM project manager develop a NOAA GPM Level 1 Requirements Document

# Requirements for Precipitation Products (continued)

- **Satellite Products and Services Review Board (SPSRB)**
  - Secure web site  
[\(\[https://requesttracker.osd.noaa.gov/admin\\\_login.asp\]\(https://requesttracker.osd.noaa.gov/admin\_login.asp\)\)](https://requesttracker.osd.noaa.gov/admin_login.asp) allows operational users to request new or upgraded satellite products
    - Must be government person to register to the secure web site
    - Tool to identify end user requirements in greater detail than what would be found in a Level 1 Requirements Document

## 4 User Requests received for Megha Tropiques products – Product development under way

**NOAA User Request and Tracking System**

LogOut | My Profile | Home | New Request | My Requests | Administration | Search | Reports | Feedback | Change Rights to User | Notes/Docume

**Requests**

All Requests 
  My Requests 
  My Suspenses 
  Returned - to user 
  Remember My Selection 
 Decision Status W/Issues: All Status

Issues: Green - Suspense date greater than 7 days. Yellow - Suspense date within 7 days. Red - Suspense date is overdue. Grey - Terminated / Withdrawn

Request ID	Request Title	Requestor / Initiator	Suspense Date	Suspense Lead	Status	Project Plans
<a href="#">1004-0007</a>	Megha Tropiques Data for NESDIS operational applications	Limin Zhao	03/29/2013	<a href="#">Ralph Ferraro</a>	Product Development	Y
<a href="#">1004-0006</a>	Megha-Tropiques microwave imagery products	Limin Zhao	03/29/2013	<a href="#">Limin Zhao</a>	Product Development	Y
<a href="#">1004-0005</a>	Megha Tropiques Data for Tropical Cyclone Research and Applications	Limin Zhao	03/01/2013	<a href="#">Limin Zhao</a>	Product Development	Y
<a href="#">1003-0004</a>	Megha-Tropiques imagery and data for NHC Operations	Michael Brennan	03/01/2013	<a href="#">Limin Zhao</a>	Product Development	Y

# Accelerate GPM Infusion

- **NOAA GPM project manager should lead an integration working group to explore end to end implementation efforts**
  - Define requirements with LORWG assistance
  - Develop agreements
  - Explore ground system upgrades
  - Define satellite product development efforts
  - Exploit use of testbeds
- **Obstacles against acceleration**
  - Poorly defined operational need
  - Resources and funding