

**2015 GLM Annual Science Team Meeting:
Cal/Val Tools Developers Forum
NSSTC Room 1010
9-11 September, 2015**

**National Space Science and Technology Center
The University of Alabama in Huntsville
320 Sparkman Dr.
Huntsville, AL 35805**

Meeting Purpose:

We are proposing a Cal/Val Tools Developers Forum at UAH NSSTC where the GLM Algorithm Working Group (AWG) and Calibration Working Group (CWG) Post Launch Test teams can share tools they have developed to help the teams build team capacity, competency, and proficiency in using team/community tools that will allow us to assess GLM on-orbit performance. We encourage participation by the GLM Cal/Val teams and their students who will have a direct hands-on role in the analyses.

We expect up to 20 participants, 10 workstations with 2 people each per workstation to allow hands-on experience working with representative data sets. We also can accommodate a few observers with extra seating in the room.

Meeting Logistics: Hotels, Directions to NSSTC

The hands-on workshop will be held on the first floor of the NSSTC in Conference Room 1010, located adjacent to the reception area. Please use the south entrance. Visitor badges will be provided. Foreign nationals are required to submit documentation to NASA in advance of the meeting.

<https://ghrc.nsstc.nasa.gov/home/about-ghrc/welcome>

Wednesday, 9 September:

Programmatic Update

9:00-9:10 am: Welcome and logistics- Steve Goodman/NOAA, Rich Blakeslee/NASA
9:10-9:20 am: GOES-R Program Status- Steve Goodman/GOES-R Program Office (GPO)
9:20-9:30 am: GLM Instrument Status- Marc Rafal/NASA GSFC
9:30-9:40 am: GLM PLT and Cal/Val Status- Bill Koshak (NASA/MSFC), Dennis Buechler (UAH)
9:40-9:50 am: Data and Product Monitoring Tool Status- Wayne MacKenzie (GPO/OSPO)

9:50 – 10:15 am: Break

10:15-11:15 am: Scott Rudlosky/NESDIS and Ken Cummins/Univ Arizona

"Validation Efforts Involving the LIS, GLM, and Long-Range Datasets"

11:15 am - 12:00 pm: Kristin Calhoun (OU CIMMS) and Don MacGorman (NSSL)

"Total Lightning Evaluation at the NOAA Hazardous Weather Testbed"

12:00 - 12:45 pm: Lunch

12:45- 1:30 pm: NASA/UAH Monthly Science Seminar: NSSTC Room 4065

Joe Sienkiewicz/Acting Director, NOAA/NCEP Ocean Prediction Center

"Ocean Weather Applications for GOES-R"

1:45-5:15 pm: Paul Krehbiel (NMTech) and Eric Bruning (Texas Tech Univ)

"Analyzing and interpreting LMA data - Part I"

3:15 – 3:45 pm: Break

"Analyzing and interpreting LMA data - Part II"

5:15 – 5:45 pm: Discussion

5:45 pm: Adjourn for Day

6:30 pm: No Host Dinner (Mellow Mushroom, Providence Main Street TBD)

Thursday, 10 September:

8:30-10:30 am: Paul Krehbiel (NMTech) and Eric Bruning (Texas Tech Univ)

"Analyzing and interpreting LMA data - Part III"

10:30 – 11:00 am: Break

11:00-11:45 am: Mark Stanley (NMTech)

"Broadband interferometer measurements"

11:45 am – 12:15 pm: Discussion

12:15 - 1:30 pm: Lunch

1:30 – 3:00 pm: Phillip Bitzer/UAH

“GLM Cross-Validation Tools I”

3:00 – 3:30 pm: Break

3:30 – 5:00 pm: Ken Cummins/Univ Arizona

“GLM Cross-Validation Tools II”

5:00 – 5:30 pm: Discussion

Friday, 11 September:

8:30 – 9:15 am: Monte Bateman/USRA

“VALID- GLM Deep Dive Tool”

9:15 – 10:30 am: Doug Mach/USRA, Frank Padula/GPO, Rich Blakeslee/NASA MSFC), Mason Quick/NASA MSFC

“GOES-R Post Launch Tests and Field Campaign Planning”

10:30 – 10:45 am: Break

10:45 – 11:00 am: GLM Cal/Val Data Portal (Helen Conover/UAH)

11:00 – 11:15 am: GOES-R Field Campaign Data Portal (Helen Conover/UAH)

11:15-12:15 pm: Summary of meeting/action items-group discussion

12:15 p.m.: Adjourn

Invited Participants: (S- speaker, P-workstation hands on participant, O- observer)

Steve Goodman, NOAA/NESDIS/GPO- GLM S/P (steven.j.goodman@noaa.gov)

Marc Rafal, NASA/GSFC- GLM Instrument Manager (marc.rafal@nasa.gov)

Dick Reynolds- Meeting Coordinator (GPO, dick.reynolds@noaa.gov)

Wayne MacKenzie (GPO/PRO and GLM PAL, Wayne.Mackenzie@noaa.gov)

Doug Mach, USRA - GLM S/P (dmach@nasa.gov)

Rich Blakeslee, NASA MSFC- GLM S/P (rich.blakeslee@nasa.gov)

Bill Koshak, NASA MSFC- GLM S/P (william.koshak@nasa.gov)

Dennis Buechler, UAH- GLM S/P (dennis.e.buechler@nasa.gov)

Helen Conover, UAH- Data Portal Coordinator (hconover@itsc.uah.edu)

Monte Bateman, USRA- GLM S/P (monte.bateman@nasa.gov)

Bill McCaul, USRA – P/O (eugene.w.mccaul@nasa.gov)

Scott Rudlosky, NESDIS/STAR – (scott.rudlosky@noaa.gov)

- (GRA- Meredith Nichols, mnichols92@gmail.com)

Eric Bruning, Texas Tech- GLM/S/P (eric.bruning@ttu.edu)

Paul Krehbiel, NMTech – S/P (Krehbiel@ibis.nmt.edu)

Mason Quick, NASA MSFC- S/O (mason.quick@nasa.gov)

Frank Padula, GPO – S (Frank.Padula@noaa.gov)

Pete Armstrong, MITLL – P/O (peter.armstrong@ll.mit.edu)

Ken Cummins, Univ. Arizona- S/P (cummins@atmo.arizona.edu)

- (GRA- Daile Zhang, dlzhang@email.arizona.edu)

Steve Rutledge, CSU – not able to attend

- (GRA- Brody Fuchs, brodyfuchs@gmail.com)

Don MacGorman, NOAA/NSSL – S/P (don.macgorman@noaa.gov)

Kristin Calhoun, OU CIMMS/NSSL – S/P (kristin.kuhlman@gmail.com)

Larry Carey, UAH – O (larry.carey@nsstc.uah.edu)

- (GRA- Sarah Stough, sarah.stough@nsstc.uah.edu)

Phillip Bitzer, UAH – S/P (pm.bitzer@uah.edu)

Hugh Christian, UAH – O (Hugh.Christian@gmail.com)

Rolf Stuhlmann, EUMETSAT MTG Program Scientist (rolf.stuhlmann@emetsat.int)

Heikki Pohjola, EUMETSAT MTG- LI Mission Scientist (heikki.pohjola@gmail.com)

cc: (Program, information only)

Ed Grigsby (NASA GSFC/PSE, edward.c.grigsby@nasa.gov)

Dennis Chesters (NASA GSFC/Flight Project Scientist, dennis.chesters@nasa.gov)

Scott Braun (NASA GSFC/Flight Deputy Project Scientist, scott.braun@nasa.gov)

Joel McCorkel (NASA GSFC/Flight Duty Project Scientist, joel.mccorkel@nasa.gov)

Monica Coakley (MITLL/PWG, monica.coakley@ll.mit.edu)

Fred Wu (STAR/CWG, Xiangqian.Wu@noaa.gov)

Jaime Daniels (STAR/AWG, Jaime.daniels@noaa.gov)

Bob Iacovazzi (STAR/CWG, Bob.Iacovazzi@noaa.gov)

Matthew Seybold (GPO/PRO, matthew.seybold@noaa.gov)

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