

2018 GLM Annual Science Team Meeting Agenda

(All times CDT)

Tuesday, September 11

9:00 Goodman, Rudlosky, Schultz – Welcome, Introductions, Logistics

Session 1: Program Updates

9:15 Elizabeth Kline and Randy Race – *GOES PRO Team Update*

9:35 Steve Goodman – *The JGR Special Collection (Fall AGU, 2017)*

9:45 *GLM Visualizations / Social Media Presence / Data Access / Real-time Displays*

10:00 Eric Bruning – *Development of GLM gridded imagery for operations and research*

10:30 Break

Session 2: Road to Full Validation and Beyond:

11:00 William Koshak – *Road to GLM Full Validation: Overview, Processes, and Status*

11:20 Sam Edgington/Clem Tillier – *GOES-17 GLM PLT and Status*

11:40 Pete Armstrong – *Overview of GLM Data (L0 - L2+) and False Alarm Mitigation*

12:00 – 1:30 Lunch

Session 3: GLM Validation Studies

1:30 Katrina Virts – *Optimal Emission Height to Improve GLM Location Accuracy*

1:45 Mason G. Quick – *FEGS Validation Analysis*

2:00 Robert Holzworth – *GLM and WWLLN*

2:15 Ryan Said – *Insights into the relative performance of NLDN/GLD360 against GLM*

2:30 Michael Stock – *Comparison of GLM to ENTLN*

3:00 Break

3:20 Discussion

4:30 Adjourn

Wednesday, September 12

Session 3: GLM Validation Studies (cont.)

9:00 William Koshak – *GLM Lightning Optical Energies*

9:20 Ken Cummins / Daile Zhang – *GLM validation studies at the Univ. of Arizona*

9:45 David Sills – *GLM validation over southern Canada using CLDN and SOLMA*

10:00 Rich Blakeslee – *ISS-LIS Status and Plans*

10:15 Carlos Morales – *GLM and STARNET+LINET measurements in South America*

10:30 Break

10:50 Monte Bateman – *Preliminary GLM Detection Efficiency and Climatology*

11:00 Dennis Buechler – *Laser Beacon Activities*

11:15 Helen Conover – *GOES-R Field Campaign archive and GLM data portal*

11:30 Doug Mach – *Future Improvements to the GLM LCFA*

11:45 Mark Stanley – *Comparison of GLM with VHF Broadband Interferometry in 2018*

12:00 – 1:30 Lunch

- 1:30 Hugh Christian – Development of science based ground processing algorithms
1:40 Randy Longenbaugh – Detecting bolides using the GLM

Session 4: NWS Integration/Application/Training

2:00 Joint Session with NWS STAT team (virtual meeting)

- 2:00 Kevin Scharfenberg – *Overview of STAT / NWS Training*
2:10 Eric Bruning – *Summary of GLM Gridded Products*
2:20 Scott Rudlosky – *GLM VLab Website and Archives*
2:30 Geoffrey Stano – *GLM Training Overview*
2:40 Samantha Edgington/Clem Tillier – *GOES-East and GOES-17 GLM Status*
2:50 Stephanie Stevenson – *Incorporating GLM lightning observations at the NHC*
3:05 *Future GLM Training Requirements Discussion* – Brian Motta
3:30 GLM Training & Integration Into Operations Discussion
WFOs, National Centers, Service Programs, WDTD Satellite Liaison

4:30 Adjourn

Thursday, September 13

Session 5: GLM Science and Applications

- 9:00 Don MacGorman – *Overview of GLM projects at the NSSL*
9:15 Kristin Calhoun – *Forecaster Feedback from the GLM - HWT Demonstration*
9:30 Scott Rudlosky – *Overview of the GLM project supported by the JTTI*
9:45 Chris Schultz – *Overview of GLM contributions from NASA SPoRT*
10:00 Phil Bitzer – *Overview of GLM Research at UAH*
10:15 Rachel Albrecht – *GLM validation during SOS-CHUVA field experiment*
10:30 Break
10:45 Mounir Lekouara – *MTG LI filtering algorithms and performance prototype status*
11:00 Geoffrey Stano – *Utilizing the GLM for Lightning Safety*
11:15 Brody Fuchs – *Dependence of GLM DE on ice water path and storm intensity*
11:30 Discussion
12:00 – 1:30 Lunch

- 1:30 John Trostel – *Intercomparison of LMA and GLM over North Georgia*
1:45 Ronald Thomas – *Comparison of GLM and LMA lightning detection*
2:00 Timothy Lang – Update on the RELAMPAGO lightning mapping array

- 2:15 Nathan Curtis – *Lightning jump from the GLM perspective*
2:30 Bitzer / Student – *Detecting continuing current using GLM*
2:45 Doug Kahn – *GLM and Wildfires*

3:00 Break

Session 6: Summary of Meeting/Action Items & Group Discussions

- 3:20 Discussion
4:00 **Adjourn**

GLM Science Meeting Remote Participation

Telecon number: 1-844-467-6272

Passcode: 673513#

Note the WebEx information is different each day

Default WebEx address: <https://nasa.webex.com/mw3100/mywebex/default.do?siteurl=nasa>

WebEx Tuesday, September 11, 2018

Meeting number: 999 788 839

Meeting password: N@sa2018!

WebEx Wednesday, September 12, 2018

Meeting number: 992 364 111

Meeting password: N@sa2018!

WebEx Thursday, September 13, 2018

Meeting number: 990 195 847

Meeting password: N@sa2018!