

**Quarterly Meeting for the
American Meteorological Society (AMS)
Committee for Satellite Meteorology, Oceanography and Climatology**

**Time: 2:00-3:30pm EDT
Date: August 3rd, 2021**

Minutes

1. Meeting Participants

The following members participated in the AMS Satellite Meteorology, Oceanography and Climatology (SatMOC) Committee video conference on Tuesday, August 3rd 2021.

Name	Affiliation	Email Address
Jordan Gerth	CIMSS	Jordan.gerth@noaa.gov
Mitch Goldberg	NOAA	Mitch.Goldberg@noaa.gov
Jason Apke	CIRA/CSU	jason.apke@gmail.com
Sara Tucker	Ball Aerospace	stucker@ball.com
Kathryn Shontz	NOAA	kathryn.shontz@noaa.gov
Jingli Yang	ERT	jingliyang@ertcorp.com
Mark Mulholland	NOAA	Mark.mulholland@noaa.gov
Cara Wilson	NOAA	cara.wilson@noaa.gov
James Sims	NOAA	jamese.sims@noaa.gov
Eric Goldenstern	CSU-ATS	eric.goldenstern@colostate.edu
Gary McWilliams	NOAA	gary.mcwilliams@noaa.gov
Philip Ardanuy	INNOVIM	philip7779@gmail.com
Stephanie Bradshaw	UW/CIMSS	sbradshaw@wisc.edu
James Anheuser	UW/CIMSS	anheuser@wisc.edu
Edward Hyer	NRL	edward.hyer@nrlmry.navy.mil
James Yoe	NOAA	james.g.yoe@noaa.gov

2. Agenda

- Welcome
 - K. Shontz welcomed everyone to the SATMOC quarterly meeting.*
- Glossary addition – AMSU

AMSU- The proposed Advanced Microwave Sounding Unit was attached to the invitation to today's quarterly meeting.

M. Goldberg: The current definition is too long, especially when compared to glossary definitions for other imagers which are either short or non-existent (e.g. ABI; VIIRS). Keeping the long definition would result in a need for similar definitions for several other instruments. E. Hyer recommended just providing basic imager info (e.g. what satellite, when it flew), and not digging into the science of each imager, and possibly referring to the OSCAR database. K. Shontz recommended instead creating a list of sensors (e.g. a list of microwave sensors).

***Action Item:** K. Shontz will recommend using the list of imagers with links to AMS/Ward instead, and recommend links which re-direct traffic to original, more comprehensive websites.*

- **Conference Planning:**

- **2022 Joint SatMOC and NOAA satellite conference plans**

J. Gerth: Planning is now underway, tag up was held with co-conferences, including cloud-physics, atmospheric radiation, polar meteorology, and the NOAA sat conference. Conference takes place 8/7-8/12/2022. A call for session topics is anticipated by next week. Committee members can suggest session topics directly to Jordan. High interest in topics that are relevant to the joint conference. The conference is still being decided and will include student events, special sessions, ice breakers, and possibly a banquet. This conference is currently planned to be in-person. Abstract deadline not yet decided but will be around late winter.

***Action item:** Include hybrid meeting designs on contingency plans.*

- **AMS 2022 Annual Meeting plans for SATMOC-related events**

G. McWilliams: 18th annual symposium of operational systems: This will be a 5-day symposium with 19 session topics for abstracts. There will be two joint sessions, including the 21st

conf on Artificial Intelligence, and the 31st conference on education. There will also be a speed networking event, a town hall, and the 12th conference on the Transition of Research to Operations. There will also be GOES-R and JPSS short courses on Sunday. The symposium has two rooms for the week, one room has a 139-seat capacity and the other has an 89-seat capacity. reconfigured for social distancing. AMS will be implementing a bracelet system for social distancing, where green/yellow/red bracelets are voluntary indications on ones preferred social distancing guidelines (e.g. green is no preference, red is keep 6 ft distance). AMS is vectoring towards an in-person meeting, though there will likely be challenges to overcome pending the state of the virus in January.

Abstract submission deadline is Sept 1st.

- Implementation of the SATMOC strategic plan
 - Readout of thoughts/recommendations from objective teams and next steps for how to incorporate the recommendations

Regarding the Five-Year Plan Objective 2: “Enable sustained partnerships and collaboration between the atmospheric, oceanic, and climatological science and satellite observation communities.”

Update from M. Mulholland: S. Tucker and Mark discussed reaching out to the Satellite Industry Association (<https://sia.org/>), and possibly getting a SIA representative to SATMOC.

J. Yang suggested a panel session in the AMS annual and Joint Conferences focusing on how to better engage between industry, government, and academia.

***Action Item:** J. Yang, M. Mulholland and J. Anheuser are tasked with putting together information about possible town halls for upcoming SATMOC events. Thoughts are to invite a diverse range of speakers*

Commented [1]: a Town Hall which will be co-hosted by the 12th Conference on the Transition of Research to Operations. Four corporate sponsors have been identified.

across industry, government, and academia from multiple career levels.

Regarding the Five-Year Plan Objective 3: Engender a diverse and inclusive future community through broad multi-sector engagement with students and early career professionals across both science and engineering disciplines

J. Yoe and J. Sims provided an update on their meeting focusing on how to increase diversity, access, inclusion, belonging and equity in AMS and SATMOC. They discussed targeted recruitment for the SATMOC conferences, picking a few universities that have meteorology programs which serve underrepresented communities. SATMOC will work with these universities to discuss who we are, what we do, and the sessions we are planning on having, and include more of those underrepresented communities in our planned sessions and talks.

J. Sims discussed also using employee resource groups and doing targeted outreach to better serve underrepresented communities and to be proactive in making sure no community feels left out.

J. Yoe further added a need to have more diverse mentors and speakers in speed mentoring sessions for students and looking for diverse mentors to share their career stories and inspire more diverse communities to participate in AMS and SATMOC communities.

J. Sims, J. Yoe, and S. Bradshaw will continue to meet on this objective in the coming months.

S. Bradshaw: Regarding increasing student involvement in SATMOC: Recommendations were provided on doing better at getting the word out about SATMOC to student communities, especially to those that aren't from a meteorology backgrounds. A listserv was recommended to give communities information about upcoming SATMOC events, as well as better social media outreach. Finances

are also an issue for student participation and developing a travel scholarship (perhaps with industry partners) to help students attend conferences would help improve representation. Virtual options are also very nice for students, hybrid models should be considered for future events. Networking outside of conferences was also discussed to help foster lasting relationships between students and professionals, rather than just one-off meetings.

- **Working Group update on virtual training sessions**

G. McWilliams: SATMOC held four training sessions, all of which were well attended- 1) Open-source tools for accessing, displaying, and analyzing environmental satellite data, 2) Analyzing atmospheric smoke and blowing dust using satellite aerosol optical depth, 3) Monitoring marine heat waves with satellite sea-surface temperature data using ERDDAP, and 4) Monitoring changes in sea ice at seasonal and near-real-time time scales. AMS provided a community website for homework assignments before each session.

Issues were raised in how we had to turn away students because they weren't AMS members, though AMS student membership is only \$20. AMS did reach out to students who were turned away in case they did want to join. M. Goldberg recommends allowing non-members to join training sessions for a small premium cost to increase participation.

Participant feedback was received, and it was implied that training time was too tight, and participants did not have enough time with instructors. In response to feedback, next year the training courses may plan to have instructions on one day and follow up the next day for a lab or a hands-on exercise.

- **Website updates**

E. Goldenstern: Short courses site is updated for new virtual training sessions, and more information regarding the upcoming AMS, EUMETSAT, NWA, and NOAA joint satellite meetings are now provided. Updates have been applied to the student awards.

- **Adjourn**

K. Shontz thanked everyone for their hard work and noted M. Goldberg is going to be running the next meeting.

Scheduling is underway for an in-person SATMOC meeting at the AMS annual conference in Houston, on either the Tuesday or Wednesday morning, with more details to come at a later date.

Action Items-

***Action Item:** K. Shontz will recommend using the list of imagers with links to AMS/Ward instead, and recommend links which re-direct traffic to original, more comprehensive websites.*

***Action item:** Include hybrid meeting designs on Joint-Session Conference contingency plans.*

***Action Item:** J. Yang, M. Mulholland and J. Anheuser are tasked with putting together information about possible town hall meetings on improving partnerships between industry, government, and academia at upcoming SATMOC events. Thoughts are to invite a diverse range of speakers across industry, government, and academia from multiple career levels.*