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

Time: 11:30 am-1:00 pm EST
Date: July 9th, 2024

1. Meeting Participants

The following members participated in the AMS Satellite Meteorology, Oceanography and Climatology (SatMOC) Committee meeting and video conference on Tuesday, July 9th, 2024.

Name	Affiliation	Email Address
Jason Apke	CIRA/CSU	jason.apke@gmail.com
Kathryn Shontz	NOAA	kathryn.shontz@noaa.gov
Gary McWilliams	NOAA	gary.mcwilliams@noaa.gov
James Yoe	NOAA	james.g.yoe@noaa.gov
Jordan Gerth	NOAA	jordan.gerth@noaa.gov
Mathew van den Heever	CU-Boulder	mava5537@colorado.edu
Jun Wang	UI	jun-wang-1@uiowa.edu
Mark Mulholland	NOAA	mark.mulholland@noaa.gov
Sara Tucker	Ball Aerospace	stucker@ball.com
Poushali Ghosh	UW-Madison	
Thomas Auligne	UCAR	auligne@ucar.edu

2. Agenda

- Welcome and action review (K. Shontz, J. Apke)
  - *Everyone: Update/complete our nominations for the STAC level awards, these are due on October 1st.* <**Name of Deserving Individual**>, <Affiliation>, <Award to be considered>: <25 word or less citation for why individual deserves award>, Nominated by: <Name of Nominator>, <Affiliation>.
  - Kathryn Shontz: Will format the SATMOC TOR and we can post it to our website
  - Everyone: Produce a nomination for the STAC award at the summer meeting.
  - Jason/Kathyrn: Talk about the cadence
  - Everyone: if you want to help organize please reach out to Kathyrn or Jason
  - Everyone: Look out for and fill out the fall meeting pole via when2meet
- Membership Status Review (K. Shontz, J. Apke)
  - Welcome to the new members: William Straka, Juan Crespo, and Poushali Ghosh!
- Terms of Reference Review (K. Shontz)

- *Link to TOR :* *https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdocs.google.com%2Fdocument%2Fd%2F14aqYRuy5az9hAfE5jau4YVEHMKVdLcwe%2Fedit&data=05%7C02%7Cmathew.vandenheeever%40colorado.edu%7C5e9d3d23154d4c74f55708dc54b1d88e%7C3ded8b1b070d462982e4c0b019f46057%7C1%7C0%7C638478370793615803%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=9dm3P5145ycx%2F3ZdwlRoEWtMNRB1kXxd0As%2Fm8vpXBw%3D&reserved=0*

- Three main comments on the TOR
  - Under #4 in Goals, I am curious as to their thoughts regarding how they intend to undertake such advocacy efforts. The other three goals have clear infrastructure (AMS-sponsored conferences, the committee's website, and AMS Society- and STAC-level awards) whereas this one does not. Do they anticipate proposing new and/or revising existing AMS statements to help accomplish this goal?
    - Changed advocate to inform and support.
  - Under #3 in Responsibilities, I'm not aware of this traditionally being a STAC B/C activity but rather an activity undertaken by individuals. Do they anticipate their members being particularly committed to that volunteer service in some fashion?
    - Suggestions/comments:
      - Could remove "reveiw"
      - Can/should we reframe this as outreach?
        - Announce short courses
      - Part of what we are supposed to do as a committee is support AMS, provide expertise and review any external public materials
      - https://www.ametsoc.org/index.cfm/ams/about-ams/ams-statements/guidelines-for-statements-of-the-ams/
    - Changed to "Support AMS with satellite expertise and review of outreach and public-facing materials."
  - Under #4 in Responsibilities, do they anticipate leveraging AMS Webinar services for this and/or other services that may exist?
    - Comments/Suggestions
      - We tried this but it wasn't a straightforward thing to do
      - AMS service requires payment which limited participation. Making this free has enabled a lot more participation. We tried, but too cumbersome and costly.
  -

- Award nominations status (J. Apke)
  - STAC Award Deadline: 10/1
  - Link to the Awards document: https://docs.google.com/document/d/1kY0KhTPwAa1TkfVWTfI40y96eXNjRgMD/edit

    - Below is the nominations list to be edited by the SATMOC Committee. Please include the following information for each listing: <**Name of Deserving Individual**>, <Affiliation>, <Award to be considered>: <25 words or less citation for why the individual deserves award>, Nominated by: <Name of Nominator>, <Affiliation>.
    - There are three awards.
        - Outstanding Early Career Award – an individual within 10 years of having earned their highest degree, or are under 40 years of age when nominated, who has made significant contributions to the discipline and is on a path to becoming a science leader in the community. Consideration will also be given, however, to those who are still in the early stage of their careers but have seen these interrupted for up to 5-10 years by military service, or family and career circumstances.
        - Distinguished Scientific/Technological Accomplishment Award – an individual who has made significant contributions to the discipline and is well recognized within the discipline as being a science/technological leader. This award could be for a mid-career or late-career individual. Distinguished Scientific/Technological Accomplishment Award
        - Outstanding Service Award – an individual who has made significant contributions to the STAC Committee/Board or in service to the larger community in the Committee/Board discipline.
    - If anyone has a recommendation for one of these awards please feel free to reach out.
- Five-Year Plan Updates (S. Tucker)
    - Plan to include SATMOC Cadence Modifications
        - Link to SATMOC Conference Cadence Spreadsheet: https://docs.google.com/spreadsheets/d/1vVk532dZvqaGnOYYW0EmZRK1mYmaIoSJ/edit?usp=sharing&ouid=111699049448342843767&rtpof=true&sd=true
            - The dates here in green are confirmed
        - Link to AMS SatMOCC Strategic Plan_Update January 2024: https://docs.google.com/document/d/1941U2lEYIdZQfvKA0RiYHETeh3iL7oQf/edit
        - Suggestion: to merge some parts of SATMOC with OESS
            - might require a slight name change to OESS
- Conference planning at 2025 AMS Annual
    - OESS (G. McWilliams)
        - Student networking session & other opportunities
        - 12-16th of Jan 2025
        - Meeting in the 3rd floor in rooms 356 and 357
        - Starting the week off with a short course.
            - Asking all co-chairs to evaluate which short courses their participants would likely attend. So far 17 have been pre-approved
        - Monday

- 11th annual speed networking event from 8-10 PM

  Student and Early Career Professionals Event

  The 21st Annual Symposium on Operational Environmental Satellites will be co-hosting with other Conferences and Symposia the 11th Annual Speed Networking Event for Students and Early Career Professionals [11SPNE]. The Event allows students and early career professionals to network with mentors via "speed networking" where the mentors (meteorology and allied discipline professionals) roam between tables at set intervals introducing the students and early professionals to a wide array of professions in the field of meteorology. The Speed Networking will include a social with heavy hors d'oeuvres, providing a great time for open networking. This allows the students, the early career professionals, and the mentors of their selected discipline to have extended conversations after their speed-mentoring.

- Townhall on Monday or Tuesday
- Call for papers link:
  - https://annual.ametsoc.org/index.cfm/2025/program-events/conferences-and-symposia/21st-annual-symposium-on-operational-environmental-satellite-systems/
    - Applications of the Next Generation GEO Satellites
    - DoD Weather Satellite Systems
    - Enabling Mission Through Enterprise Common Services
    - Engaging the Users to Prepare Them for the Operational Application of Data Products
    - Evaluation and Use of Commercial Data for Terrestrial and Space Weather Applications
    - Exploring Digital Twins for Earth Observations
    - Instruments and Capabilities of the Next Generation GEO Satellites
    - Leveraging International Collaboration to Advance the Environmental Satellite Missions
    - Monitoring Meteorological Impacts of the Total Solar Eclipse
    - New Space Missions for Precipitation Sensing
    - Next Generation Ground System Architecture for Weather Satellites
    - Next Generation Satellite Ground Architecture and Technological Advances
    - NOAA's Low Earth Orbit (LEO) Satellites Evolution - Needs, Plans, Opportunities (invited)
    - Other Topics in Operational Environmental Satellite Systems
    - Overview and Applications of the Next Generation LEO Satellite Series
    - Satellite Algorithm Development, Verification, Calibration, and Validation
    - Satellite Ground Studies, Demonstrations and Implementation
    - Satellite Sensing of Extreme or Unusual Weather and Environmental Events
    - Socioeconomic Value of Environmental Satellite Data & Products
    - 50 Years of Geostationary Operational Environmental Satellites
    - Wildland Fires Observed from Space
    - Automated Handling of On-Orbit Satellite Anomaly using Artificial Intelligence
    - Commercial Earth Observation Data: Research and Applications
- Joint Sessions

Joint Sessions

- **Advances in CubeSats and SmallSats for Observations and Measurements of Earth's Atmosphere Thermodynamic Structure and Processes, Winds, and Water Cycle Processes, and to Improve Climate Monitoring, Weather Forecasting, or Space Weather Prediction** *(Joint with the 15th Conference On Transition Of Research To Operations (15R2O))*
- **National and International Program Overviews for Environmental Satellites (Invited)** *(Joint with the15th Conference On Transition Of Research To Operations (15R2O), the 13th Symposium on the Joint Center for Satellite Data Assimilation, and the Tenth Symposium on US-International Partnerships)*
- **Satellite Data Products and Evaluation for Operational and Research Use** *(Joint with the 15th Conference On Transition Of Research To Operations (15R2O), and the 13th Symposium on the Joint Center for Satellite Data Assimilation)*
- **Tracking RF Interference and its impact on Weather Forecasting** *(Joint with the Tenth Symposium on US-International Partnerships)*

- Comments: Any interest in a space cybersecurity topic for one of the sessions?
    - Maybe this is something to submit for next years call?
- JCSDA (J. Yoe)
    - Call for papers is out.
- Training and short course (J. Wang)
    - 1664 registrations!
    - first session had over 300 participants
    - **During the fall meeting we will try to discus this earlier.**
- 2025 Joint SATMOC/NOAA Satellite Conference Updates (G. McWilliams)
    - SATMOC conference update: Joint AMS/NOAA satellite conference will be in San Diego August 16-22, 2025! Location details to be shared shortly
- Website Updates (D. Shah/J. Apke)
- Closing

Action Items:

- ***Everyone****: Update/complete our nominations for the STAC level awards, these are due on October 1st.* **<Name of Deserving Individual>**, <Affiliation>, <Award to be considered>: <25 word or less citation for why individual deserves award>, Nominated by: <Name of Nominator>, <Affiliation>.
- **Everyone**: Look out for and fill out the fall meeting pole via when2meet. We are planning on sometime in mid October
- **Everyone**: When Gary sends out sign up sheet, committee members to sign up to review

- Kathryn Shontz: Reach back out to the STAC about Mark's questions.
    - Questions: Does AMS send out draft publications to committees for comments and technical reviews? Is there an effort underway to prepare a presidential transition package of topics and policy issues? If so, is there an opportunity for committees to review and comment?

- Deep Shah: Once the TOR is finalized, we would like to publish our updated TOR on the website. Coordinate with AMS to get updated TOR published.

- Jason and Kathryn: Bring our proposal to Jen Ives (spelling?) and the STAC committee. We want to see if there are any issues with the Annual Cadence.
- Gary McWilliams: Ask everyone to review at least one section.
- Jason: Add “Training and short course” to the top of the meeting.