Satellite Science Week 2015 Final Agenda

<table>
<thead>
<tr>
<th>Time</th>
<th>Duration</th>
<th>Topic/Title</th>
<th>Presenter</th>
</tr>
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<tbody>
<tr>
<td>Monday, February 23, 2015</td>
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<tr>
<td>12:00 PM</td>
<td></td>
<td>On-site Check-In</td>
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<tr>
<td>12:50 PM</td>
<td>0:10</td>
<td>Welcome and logistics, Science Week Introduction</td>
<td>Lon Goldstein (COMET) /Wendy Abshire (COMET) /Steve Goodman (GOES-R Senior Scientist)</td>
</tr>
<tr>
<td>1:00 PM</td>
<td>0:20</td>
<td>NOAA as the Nation's Environmental Intelligence Agency</td>
<td>Rick Spinrad (NOAA Chief Scientist)</td>
</tr>
<tr>
<td>1:20 PM</td>
<td>0:10</td>
<td>Q&amp;A</td>
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<tr>
<td>1:30 PM</td>
<td>0:20</td>
<td>The Earth System Analyzer: Using All of the Data to Improve Weather and Climate Prediction</td>
<td>Sandy MacDonald (OAR/ESRL Director)</td>
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<tr>
<td>1:50 PM</td>
<td>0:10</td>
<td>Q&amp;A</td>
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<tr>
<td>2:00 PM</td>
<td>0:15</td>
<td>GOES-R status</td>
<td>Greg Mandt (GOES-R Program Director)</td>
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<tr>
<td>2:15 PM</td>
<td>0:15</td>
<td>JPSS status</td>
<td>Mitch Goldberg (JPSS Program Scientist)</td>
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<tr>
<td>2:30 PM</td>
<td>0:20</td>
<td>Discussion</td>
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<tr>
<td>2:50 PM</td>
<td>0:30</td>
<td>Break</td>
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<tr>
<td>3:20 PM</td>
<td>0:20</td>
<td>GOES-R and JPSS Risk Reduction status</td>
<td>Dan Lindsey (STAR/RAMMB), Andy Heidinger (STAR/ASPB), Arron Layns (JPSS)</td>
</tr>
<tr>
<td>3:40 PM</td>
<td>0:20</td>
<td>GOES-R Cal/Val</td>
<td>Bob Iacovazzi (GOES-R Program Office)</td>
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<tr>
<td>4:00 PM</td>
<td>0:20</td>
<td>JPSS Cal/Val</td>
<td>Fuzhong Weng (STAR/SMCD)</td>
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<tr>
<td>4:20 PM</td>
<td>0:20</td>
<td>GOES-R Algorithm Status update</td>
<td>Jaime Daniels (STAR/SMCD)</td>
</tr>
<tr>
<td>4:40 PM</td>
<td>0:20</td>
<td>JPSS Algorithm Status update</td>
<td>Lihang Zhou (STAR/SMCD) or Mitch Goldberg (JPSS Program Scientist)</td>
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<tr>
<td>5:00 PM</td>
<td>0:15</td>
<td>Himawari</td>
<td>Bill Ward (NWS/PR/SSD Chief)</td>
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<tr>
<td>5:15 PM</td>
<td>0:30</td>
<td>Discussion</td>
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<td>5:45 PM</td>
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<td>END OF DAY 1</td>
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<tr>
<td>7:00 PM</td>
<td></td>
<td>Ice-breaker at Boulder Beer (Reservations closed)</td>
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Tuesday, February 24, 2015

<table>
<thead>
<tr>
<th>Time</th>
<th>Duration</th>
<th>Topic/Title</th>
<th>Presenter</th>
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<tbody>
<tr>
<td>8:00am - 10:00am</td>
<td></td>
<td>On-site side meetings for NOAT/IAC/SDEB (Closed groups)</td>
<td>Call-in availability begins at 10am.</td>
</tr>
<tr>
<td>10:00 AM</td>
<td></td>
<td>Session 1 - Clouds and Aerosols</td>
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<tr>
<td>10:00 AM</td>
<td>0:05</td>
<td>Welcome - logistics</td>
<td>Tom Vonder Haar (Colorado State Univ.)</td>
</tr>
<tr>
<td>10:05 AM</td>
<td>0:30</td>
<td>The 50 year Heritage of Cloud Observations from NOAA Operational Satellites and Challenges for New Cloud Science and Applications</td>
<td>Tom Vonder Haar (Colorado State Univ.)</td>
</tr>
<tr>
<td>Time</td>
<td>Duration</td>
<td>Session Title</td>
<td>Speaker(s)</td>
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<tr>
<td>10:35 AM</td>
<td>0:15</td>
<td>Advances in Global Satellite Data Assimilation at NOAA/NCEP/EMC</td>
<td>Andrew Collard (NCEP/EMC)</td>
</tr>
<tr>
<td>10:50 AM</td>
<td>0:15</td>
<td>Cloud Products in the GOES-R and JPSS Eras: Current Applications and Opportunities for Growth</td>
<td>Andy Heidinger (STAR/ASPB)</td>
</tr>
<tr>
<td>11:05 AM</td>
<td>0:15</td>
<td>Tracking the impact of wildfires on exo-urban regions using high resolution SNPP VIIRS aerosol products.</td>
<td>Shobha Kondragunta (STAR/SMCD)</td>
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<tr>
<td>11:20 AM</td>
<td>0:40</td>
<td>Discussion</td>
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<tr>
<td>12:00 PM</td>
<td>1:00</td>
<td>Lunch</td>
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<tr>
<td>1:00 PM</td>
<td></td>
<td><strong>Session 2 - Space Weather</strong></td>
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<tr>
<td>1:00 PM</td>
<td>0:30</td>
<td>Deep-space satellites for space weather forecasting: science and technology challenges</td>
<td>Tom Berger (NWS/SWPC Director)</td>
</tr>
<tr>
<td>1:30 PM</td>
<td>0:15</td>
<td>Space Weather Products in AWIPS2</td>
<td>Steve Hill (NWS/SWPC)</td>
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<tr>
<td>1:45 PM</td>
<td>0:15</td>
<td>Space Weather Prediction Testbed: Transitioning Satellite Data to Operations</td>
<td>Rod Viereck (NWS/SWPC)</td>
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<td>2:00 PM</td>
<td>0:30</td>
<td>Discussion</td>
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<tr>
<td>2:30 PM</td>
<td>1:30</td>
<td><strong>Poster Session 1/Break</strong></td>
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<tr>
<td>4:00 PM</td>
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<td><strong>Session 2 - Space Weather (cont.)</strong></td>
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<tr>
<td>4:00 PM</td>
<td>0:15</td>
<td>The Science, Relevance, and Improvements of NOAA’s Upcoming TSIS</td>
<td>Greg Kopp (U. of Colorado/LASP)</td>
</tr>
<tr>
<td>4:15 PM</td>
<td>0:15</td>
<td>GOES-R Space Weather - Operations to Research</td>
<td>Bill Denig (NWS/SWPC)</td>
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<tr>
<td>4:30 PM</td>
<td>0:15</td>
<td>International Coordination of Space Weather Observations and Products</td>
<td>Terry Onsager (NWS/SWPC)</td>
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<tr>
<td>4:45 PM</td>
<td>0:15</td>
<td>Discussion</td>
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<td>5:00 PM</td>
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<td><strong>END OF DAY 2</strong></td>
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<tr>
<td>6:00 PM</td>
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<td>No-host dinner at Mesa Lab</td>
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<tr>
<td>Wednesday, February 25, 2015</td>
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<tr>
<td>8:00am - 10:00am</td>
<td></td>
<td>On-site side meetings for NOAT/IAC/SDEB (Closed groups)</td>
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<tr>
<td>10:00 AM</td>
<td></td>
<td><strong>Session 3 - High Impact and Severe Weather</strong></td>
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<tr>
<td>10:00 AM</td>
<td>0:05</td>
<td>Welcome - logistics</td>
<td></td>
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<tr>
<td>10:05 AM</td>
<td>0:30</td>
<td>The role of NOAA satellites in international and national high impact weather projects</td>
<td>Zoltan Toth (OAR/ESRL)</td>
</tr>
<tr>
<td>10:35 AM</td>
<td>0:15</td>
<td>Improved high-impact weather HRRR/RAP forecast accuracy from assimilation of satellite-based cloud, lightning, convection, AMVs, fire, and radiance data</td>
<td>Stan Benjamin (OAR/ESRL)</td>
</tr>
<tr>
<td>10:50 AM</td>
<td>0:15</td>
<td>The GOES-R GLM Lightning Jump Algorithm: Principles and Applications toward Severe Weather Warning and Impacts-Based Decision Support</td>
<td>Larry Carey (U. of Alabama/Huntsville)</td>
</tr>
<tr>
<td>11:05 AM</td>
<td>0:15</td>
<td>Satellite Data and Regional NWP at the Environmental Modeling Center</td>
<td>Jacob Carley (NWS/EMC)</td>
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<tr>
<td>11:20 AM</td>
<td>0:40</td>
<td>Discussion</td>
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<tr>
<td>Time</td>
<td>Session</td>
<td>Topic</td>
<td>Speaker(s)</td>
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<tr>
<td>12:00 PM</td>
<td>Lunch</td>
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<tr>
<td>1:00 PM</td>
<td>Session 3 (cont.)</td>
<td>Near Realtime Integration of Satellite, Radar, and NWP Data for Probabilistic Nearcasting of Severe Weather</td>
<td>Mike Pavolonis (STAR/ASPB)</td>
</tr>
<tr>
<td>1:15 PM</td>
<td></td>
<td>Offshore Thunderstorms - Extending Awareness of Convection Beyond the WSR-88D Coverage</td>
<td>Joe Sienkiewicz (NWS/OPC)</td>
</tr>
<tr>
<td>1:30 PM</td>
<td></td>
<td>Recent advances in the development and applications of VIIRS active fire products</td>
<td>Ivan Csiszar (STAR/SMCD)</td>
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<tr>
<td>1:45 PM</td>
<td></td>
<td>Discussion</td>
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<tr>
<td>2:15 PM</td>
<td>Break</td>
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<tr>
<td>2:45 PM</td>
<td>Session 4 - Climate</td>
<td>The Water and Energy budgets - New Anchors from Improved Observations</td>
<td>Chris Kummerow (CIRA/CSU)</td>
</tr>
<tr>
<td>3:30 PM</td>
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<td>Tropical Oceanic Rainfall Dependence on Structure of Sea Surface Temperature: Parsing Causation from Correlation</td>
<td>Rit Carbone (UCAR/EOL)</td>
</tr>
<tr>
<td>3:45 PM</td>
<td></td>
<td>JPSS and GOES-R SST Products</td>
<td>Sasha Ignatov (STAR/SOCD)</td>
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<tr>
<td>4:00 PM</td>
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<td>Continuing 40 Years of Ozone Monitoring From Satellites</td>
<td>Larry Flynn (STAR/SMCD)</td>
</tr>
<tr>
<td>4:15 PM</td>
<td></td>
<td>Current and future uses of NOAA satellite data and products to monitor seasonal to interannual climate variations</td>
<td>Ralph Ferraro (STAR/SCSB)</td>
</tr>
<tr>
<td>4:30 PM</td>
<td></td>
<td>Discussion</td>
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<tr>
<td>5:15 PM</td>
<td>END OF DAY 3</td>
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<tr>
<td>Thursday, February 26, 2015</td>
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<tr>
<td>8:00am - 10:00am</td>
<td>On-site side meetings for NOAT/IAC/SDEB (Closed groups)</td>
<td>Virtual participation begins at 10am.</td>
<td></td>
</tr>
<tr>
<td>10:00 AM</td>
<td>Session 5 - Arctic</td>
<td>Welcome - logistics</td>
<td>Waleed Abdalati (U. of Colorado/CRES)</td>
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<tr>
<td>10:05 AM</td>
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<td>Perspectives on a Changing Arctic</td>
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<tr>
<td>10:35 AM</td>
<td></td>
<td>Observing the Arctic from Space - Past, Present, and Future</td>
<td>Jeff Key (STAR/ASPB)</td>
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<tr>
<td>10:50 AM</td>
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<td>Realizing the Scientific and Operational Utilities of the VIIRS Day/Night Band—An Exercise in Dark Adaptation</td>
<td>Steve Miller (CIRA/CSU)</td>
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<tr>
<td>11:05 AM</td>
<td></td>
<td>Advances in Cryospheric Prediction in Alaska</td>
<td>Jessie Cherry (U. of Alaska-Fairbanks)</td>
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<tr>
<td>11:20 AM</td>
<td></td>
<td>Discussion</td>
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<tr>
<td>12:00 PM</td>
<td>Lunch</td>
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<tr>
<td>1:00 PM</td>
<td>Session 6 - Tropical Cyclones</td>
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<td>Time</td>
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<td>Topic</td>
<td>Speaker</td>
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<td>1:00 PM</td>
<td>0:30</td>
<td>Forecast Applications of GOES-R and JPSS at the National Hurricane Center</td>
<td>Mark DeMaria (NWS/NHC)</td>
</tr>
<tr>
<td>1:30 PM</td>
<td>0:15</td>
<td>Diagnosing tropical cyclone structure</td>
<td>John Knaff (STAR/RAMMB)</td>
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<tr>
<td>1:45 PM</td>
<td>0:15</td>
<td>Awaiting Title</td>
<td>Vijay Tallapragada (NWS/EMC)</td>
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<tr>
<td>2:00 PM</td>
<td>0:30</td>
<td>Discussion</td>
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<tr>
<td>2:30 PM</td>
<td>1:30</td>
<td>Poster Session 2/Break</td>
<td></td>
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<tr>
<td>4:00 PM</td>
<td></td>
<td>Session 7 - New Ideas/Other</td>
<td></td>
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<td>4:00 PM</td>
<td>0:15</td>
<td>Recent enhancements to the NUCAPS algorithm: A focus on atmospheric river forecasting and</td>
<td>Antonia Gambacorta (STC)</td>
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<td>identification of cold air aloft</td>
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<tr>
<td>4:15 PM</td>
<td>0:15</td>
<td>Forthcoming changes of the global observing system for weather forecasting</td>
<td>Mitch Goldberg (JPSS Program Scientist)</td>
</tr>
<tr>
<td>4:30 PM</td>
<td>0:15</td>
<td>Possible ABI Scan Mode Options and Level-2 Products Options</td>
<td>Tim Schmit (STAR/ASPB)</td>
</tr>
<tr>
<td>4:45 PM</td>
<td>0:15</td>
<td>Blended Hydrometeorological Products in the JPSS/GOES-R Era</td>
<td>John Forsythe (CIRA/CSU)</td>
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<tr>
<td>5:00 PM</td>
<td>0:30</td>
<td>Discussion</td>
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<td>5:30 PM</td>
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<td>END OF DAY 4</td>
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On-site side meetings if needed

Friday, February 27, 2015

8:00am - 10:00am

On-site side meetings for NOAT/IAC/SDEB (Closed groups)
Virtual participation begins at 10am.

10:00:00

Outbriefs and Final Discussion (Open to all)

10:00 AM 0:30 NOAT Outbrief
10:30 AM 0:30 IAC Outbrief
11:00 AM 0:10 Summary/Closing
11:10 AM END OF MEETING
11:10 AM Organizing Committee Debrief