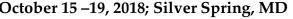


Agenda MODIS/VIIRS Science Team Meeting Sheraton Silver Spring Hotel October 15 –19, 2018; Silver Spring, MD





| Registration | 7:00 am |
|--|-----------------|
| Morning Session, Monday, October 15, 8:30 am - 11:45 am Room: Cypress Ballroom | |
| Plenary Michael King, Chair | |
| "Welcome – Review of Agenda, meeting logistics" Michael King, University of Colorado | 8:30 am |
| "Outlook from Senior HQ on ESD" Sandra Cauffman, Deputy Director of Earth Science Division, NASA Headquarters | 8:45 am |
| "NASA Headquarters Perspective on MODIS and Suomi NPP" Paula Bontempi, MODIS and Suomi NPP Program Scientist, NASA Headquarters | 9.15 am |
| "Terra and Aqua MODIS and VIIRS Instrument Status" Jack Xiong, Goddard Space Flight Center | 9:45 am |
| Break | 10:15 am |
| "Assessment of Relative Shortwave Radiometry between S-NPP and MODIS Aqua" Kerry Meyer, Goddard Space Flight Center | 10:45 am |
| "Perspectives on Achieving Continuity from MODIS to VIIRS" Bryan Baum, Suomi NPP Team Leader, Science & Technology Corp. (ST | 11:05 am ГС) |
| "CLIMCAPS: Use of the AIRS/AMSU and CrIS/ATMS Continuity Sounding Product for Cloud Feedback Studies" Chris Barnet, Suomi NPP Sounder Team Leader, STC | 11:25 am |
| Lunch | 11:45 pm |

| Afternoon Session, Monday, October 15, 1:00 pm - 5:30 pm | l |
|--|---|
| Room: Cypress Ballroom | |

MODIS Data Products & Algorithm Status

| MODIS/VIIRS Atmosphere Science Algorithms and Data Analysis |
|---|
| Steve Platnick, Chair |

| S/VIIRS Atmosphere Science Algorithms and Data Analysis Platnick, Chair | |
|--|---------|
| "Aerosol Optical Properties from MODIS: Dark Target Algorithm" Rob Levy et al., Goddard Space Flight Center | 1:00 pm |
| "Aerosol Properties: Deep Blue Extension from MODIS to VIIRS" Christina Hsu, and Jaehwa Lee, et al., Goddard Space Flight Center | 1:20 pm |
| "Biomass Burning and Aerosol Characteristics in India" Pawan Gupta, USRA/Marshall Space Flight Center | 1:40 pm |
| "Aerosol Properties in Partly Cloudy Regions" Tamas Várnai, Goddard Space Flight Center | 2:00 pm |
| "Aerosol Single Scattering Albedo and Layer Height using VIIRS and OMPS-NM" Santiago Gassó, Goddard Space Flight Center | 2:20 pm |
| "Atmospheric Heating by Black Carbon Aerosols" Eric Wilcox, Desert Research Institute, and Jun Wang, University of Iowa | 2:40 pm |
| Break | 3:00 pm |
| S/VIIRS Atmospheric Science Analysis Ackerman, Chair | |
| "TIR-based Volcanic SO ₂ Products" Vince Realmuto, Jet Propulsion Laboratory | 3:30 pm |
| "Fusion of VIIRS and CrIS Data to Construct Supplementary Infrared Radiances for VIIRS" Bryan Baum, Science & Technology Corp. (STC) | 3:50 pm |
| "Cloud Detection, Height, and Optical Properties: Challenges in Extending MODIS to VIIRS" Steve Platnick, Kerry Meyer, et al., Goddard Space Flight Center | 4:10 pm |
| | |
| "Consistency of Ice Cloud Models in Forward Retrieval and Radiative Forcing" Ping Yang, Texas A&M University | 4:30 pm |

| Yu Gu, Bin Zhao, and Kuo-Nan Liou, University of California Los Angeles | |
|--|---------|
| "Influence of Volcanic Sulfate Aerosol on Cloud Properties" Gerald Mace, University of Utah | 5:10 pm |
| Adjourn 5 | 5:30 pm |
| Morning Session, Tuesday, October 16, 8:30 am - 12:20 pm Room: Cypress Ballroom | |
| MODIS/VIIRS Atmospheric Science Analysis Bryan Baum, Chair | |
| "Net Radiative Effects of Dust in the Tropical North Atlantic based on Integrated Satellite Observations and in situ Measurements" Zhibo Zhang, University of Maryland-Baltimore County, and Hongbin Yu, Goddard Space Flight Center | 8:30 am |
| "Characterization of Polar Mixed-phase Clouds and Tropical Convective Elouds" Zhien Wang, University of Colorado | 8:50 am |
| "Extratropical Cloud Optical Depth Feedback" Ivy Tan, University of Maryland-Baltimore County | 9:10 am |
| MODIS Land Science Analysis Chris Justice, Chair | |
| "Land Introduction and MODIS Land Maintenance" Chris Justice, University of Maryland | 9:30 am |
| "S-NPP VIIRS Land Product Overview" 1 Miguel Román, Goddard Space Flight Center | 0.00am |
| Break 10 | 0:30 am |
| Selected S-NPP VIIRS Presentations | |
| "Incident downward shortwave radiation and PAR" Dongdong Wang, University of Maryland | 1:00 am |
| "Land Surface Phenology" Xiaoyang Zhang, South Dakota State University | 1:20 am |
| "NASA's Black Marble Standard Suite" 11 Miguel Román, Goddard Space Flight Center | 1:40 am |
| "VIIRS Land Surface Temperature and Emissivity (LST&E) Product" 12 | 2:00 pm |

| Glynn Hulley, Jet Propulsion Laboratory | |
|--|----------|
| Lunch | 12:20 pm |
| Afternoon Session, Tuesday, October 16, 1:30 pm - 5:30 pm | |
| Discipline breakouts: Land, Ocean, and Atmosphere | 1:30 pm |
| Land: Cypress Ballroom | |
| "Objectives of the Session" Chris Justice, University of Maryland | 1:30 pm |
| "MODIS C6 and 6.1" Sadashiva Devadiga, Goddard Space Flight Center | 1:40 pm |
| "VIIRS Delivery and Issues" Miguel Román, Goddard Space Flight Center | 2:05 pm |
| "LPDAAC & NSIDC Land Product Distribution Stats and Issues" | 2:30 pm |
| Break | 3:00 pm |
| "VIIRS and Sentinel 3 Surface Reflectance" Eric Vermote, Goddard Space Flight Center | 3:30 pm |
| "NOAA S-NPP and NOAA-20 VIIRS Products Update" Ivan Csiszar, NOAA | 3:50 pm |
| "Land Product Strategy Initial Discussion Chris Justice, University of Maryland | 4:15 pm |
| "HQ Perspective" Hank Margolis, NASA Headquarters | 4:45pm |
| Adjourn | 5:30 pm |
| Atmosphere: Persimmon I & II | |
| "Objectives of the Session" Steve Ackerman, University of Wisconsin | 1:30 pm |
| "VIIRS-MODIS Continuity Products" Steve Ackerman, University of Wisconsin, and Steve Platnick, GSFC | ? pm |
| "SIPS Overview" Liam Gumley and Elaine Prins, University of Wisconsin | ? pm |
| "Delivery Schedule/Plans" | ? pm |

| Steve Ackerman, University of Wisconsin, and Steve Platnick, GSFC | |
|--|----------|
| "Status of Algorithms: File Structure, Parameter Naming Convention, Version Numbering, Example Products" All | ? pm |
| "Product Documentation and Publications" Steve Ackerman, University of Wisconsin | ? pm |
| "Continuity Challenges: How do the Algorithm Groups Plan to Demonstrate the Products have Continuity?" Steve Ackerman, University of Wisconsin, and Steve Platnick, GSFC | ? pm |
| "MODIS Standard Products" Steve Ackerman, University of Wisconsin, and Steve Platnick, GSFC | ? pm |
| "Product Updates/Plans to Extent not Addressed by Algorithm Plenary Talks" All | ? pm |
| "HQ Perspective" Hal Maring, NASA Headquarters | 5:15pm |
| Adjourn | 5:30 pm |
| Morning Session, Wednesday, October 17, 9:30 am - 12:00 pm Room: Cypress Ballroom | |
| MODIS Land Science Analysis Miguel Román, Chair | |
| "Phenology and productivity in Agriculture " Feng Gao, USDA BARC | 9:30 am |
| "Integrating Multi-Platform Satellite Soil Moisture and Evapotrans- piration Retrievals to Constrain Water and Energy Balance Coupling" Wade Crowe, USDA Beltsville Agricultural Research Center | 9:50 am |
| "Fusion of MODIS, VIIRS, and Landsat Snow Cover Data to Create Estimates of Snow Water Equivalent" Edward Bair, University of California, Santa Barbara | 10:10 am |
| Break | 10:30 am |
| "Multi-Sensor Analysis of Global Volcanic Thermal Unrest" Rob Wright, University of Hawaii | 11:20 am |
| "Developing a Long-term Global Reservoir Product Series by Fusing | 11:20 am |

| Multi-Satellite Observations" Huilin Gao, Texas A&M Engineering Experiment Station | |
|--|------------|
| Lunch | 12:00 pm |
| Afternoon Session, Wednesday, October 17, 1:30 pm - 5:00 pm Room: Cypress Ballroom | |
| "GEONEX: A NASA-NOAA Collaboration for Producing Land Surface Products from Geostationary Satellites" Rama Nemani, Ames Research Center | 1:30 pm |
| MODIS/VIIRS Ocean Algorithms and Science Analysis Kevin Turpie, Chair | |
| "Continuity of MODIS & VIIRS Ocean Color Products" Bryan Franz, Goddard Space Flight Center | 1:50 pm |
| "Joint MISR/MODIS Ocean Color Atmospheric Correction with a New Algorithm that Utilizes Reflected Sun Glint" Kirk Knobelspiesse, Goddard Space Flight Center | 2:10 pm |
| "Carbon-based Phytoplankton Size Classes using Multi-platform Ocean Color Observations and Earth System Models: Satellite Algorithm Development and Interannual Variability" Irina Marinov, Univ. of Pennsylvania, and Tiho Kostadinov, CSU San M | - |
| "Particulate Inorganic Carbon from MODIS" Barney Balch, Bigelow Laboratory for Ocean Sciences | 2:50 pm |
| Break | 3:10 pm |
| MODIS/VIIRS Ocean Algorithms and Science Analysis Bryan Franz, Chair | |
| "Estimating the Fraction of Photosynthetically Available Radiation Absorbed by Live Phytoplankton from MODIS and VIIRS Data" Jing Tan and Robert Frouin, Scripps Institution of Oceanography | 3:40 pm |
| "Understanding Airborne Fertilization of Oceanic Ecosystems using MODIS, VIIRS and CALIPSO" Lorraine Remer, University of Maryland-Baltimore County | 4:00 pm |
| "MODIS and VIIRS SST: Validation of Continuity Products and Results from Alternative Algorithms" Goshka Szczodrak and Peter Minnett, University of Miami | 4:20 pm |
| "Use of SWIR Channels for Daytime Sea Surface Temperature Retrieva | l" 4:40 pm |

| Prabhat Koner, University of Maryland | |
|---|----------|
| Adjourn | 5:00 pm |
| Morning Session, Thursday, October 18, 9:00 am - 11:30 am Room: Cypress Ballroom | |
| Plenary Bryan Baum, Chair | |
| "Worldview/GIBS and the Availability of MODIS and VIIRS Products" Matt Cechini, Science Systems and Applications, Inc. (SSAI), and Ryan Boller, Goddard Space Flight Center | 9:00 am |
| "MODIS and Suomi-NPP Discipline Summary Report – Land" Chris Justice, Univ. of Maryland, and Miguel Román, GSFC | 9:30 am |
| "MODIS and Suomi-NPP Discipline Summary Report – Atmosphere" Steve Platnick, GSFC, and Steve Ackerman, Univ. of Wisconsin-Madison | 10:00 am |
| "MODIS and Suomi-NPP Discipline Summary Report – Oceans" Bryan Franz, GSFC, and Kevin Turpie, UMBC | 10:30 am |
| "Closing Remarks" Michael King, University of Colorado, and Bryan Baum, STC | 11:00 am |
| Adjourn | 11:30 am |
| Afternoon Session, Thursday, October 18, 1:00 pm - 5:20 pm Room: Cypress Ballroom | |
| MODIS Calibration Workshop Jack Xiong and Jim Butler, Chairs | |
| MODIS operation, calibration, and performance | 1:00 pm |
| Coffee Break | 2:45 pm |
| General MODIS and VIIRS Calibration Topics I | |
| Atmosphere, Land, and Ocean Science topics | 3:50 pm |
| Adjourn | 5:20 pm |

| Morning Session, Friday, October 19, 8:20 am - 12:00 pm Room: Cypress Ballroom | |
|---|----------|
| VIIRS Calibration Workshop Jim Butler and Jack Xiong, Chairs | |
| VIIRS operation, calibration, and performance | 8:20 am |
| Coffee Break | 10:00 am |
| General MODIS and VIIRS Calibration Topics II | |
| Atmosphere, Land, and Ocean Science topics | 10:20 am |
| Adjourn | 12:00 pm |