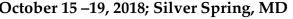


## Agenda MODIS/VIIRS Science Team Meeting Sheraton Silver Spring Hotel October 15 –19, 2018; Silver Spring, MD





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 ΓC)
"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

IS/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	2:40 pm
Break	2.00 nm
2.5%	3:00 pm
IS/VIIRS Atmospheric Science Analysis Ackerman, Chair	3.00 pm
IS/VIIRS Atmospheric Science Analysis	3:30 pm
IS/VIIRS Atmospheric Science Analysis Ackerman, Chair  "TIR-based Volcanic SO <sub>2</sub> Products"	·
IS/VIIRS Atmospheric Science Analysis Ackerman, Chair  "TIR-based Volcanic SO <sub>2</sub> Products" Vince Realmuto, Jet Propulsion Laboratory  "Fusion of VIIRS and CrIS Data to Construct Supplementary Infrared Radiances for VIIRS"	3:30 pm
IS/VIIRS Atmospheric Science Analysis Ackerman, Chair  "TIR-based Volcanic SO <sub>2</sub> Products" Vince Realmuto, Jet Propulsion Laboratory  "Fusion of VIIRS and CrIS Data to Construct Supplementary Infrared Radiances for VIIRS" Bryan Baum, Science & Technology Corp. (STC)  "Cloud Detection, Height, and Optical Properties: Challenges in Extending MODIS to VIIRS"	3:30 pm 3:50 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 <b>Kevin Turpie, Chair</b>	
"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