NOAA Satellite Aerosol Products Workshop
September 25-26, 2018

National Center for Weather and Climate Prediction (NCWCP) Conference Center
5830 University Research Court
College Park, MD 20740

Tuesday, September 25

8:30 – 9:00	Check-In at NCWCP Conference Center Lobby Coffee/Tea and Snacks
9:00 – 9:30	Opening Remarks: JPSS Program *Arron Layns, NOAA JPSS (by phone)*
Morning Session 1: Update on VIIRS Aerosol and Fire Products	
9:30 – 9:50	Validation and Status of VIIRS Aerosol Products from SNPP and NOAA-20 *Shobha Kondragunta, NOAA NESDIS*
9:50 – 10:10	VIIRS Enterprise Aerosol Algorithm Status *Hongqing Liu, IMSG at NOAA NESDIS*
10:10 – 10:30	VIIRS Fire Products from SNPP and NOAA-20 *Ivan Csiszar, NOAA NESDIS*
10:30 – 10:40	S5P TROPOMI Trace Gas and Aerosol Products during the Extreme Fires in 2018 *Shobha Kondragunta, NOAA NESDIS*
10:40 - 11:00	Break for Refreshments
Morning Session 2: Using Aerosol Data to Evaluate Model Predictions of $PM_{2.5}$/PM_{10}	
11:00 – 11:20	Using VIIRS and GOES-16 Aerosol Data for Aerosol Detection, Monitoring and Trajectories in New York State *Sarah Lu, SUNY Albany*
11:20 – 11:40	Using VIIRS and GOES-16 ABI Aerosol Data to Evaluate NAQFC Models *Jeff McQueen, NOAA NWS*
11:40 – 12:00	RAP/HRRR-Smoke experimental forecasting system *Ravan Ahmadov, NOAA and CIRES (by phone)*
12:00 – 1:00	Lunch (provided on site) and screening of *Dust Rising* documentary
Afternoon Session: User Tools for Aerosol Prediction and Visualization	
1:00 – 1:20	Navy Aerosol Analysis and Prediction System (NAAPS) Global Aerosol Model *Edward Hyer, NRL*
1:20 – 1:40	NOAA National Air Quality Forecast Capability (NAQFC) *Jeff McQueen, NOAA NWS*
1:40 - 2:00	BlueSky Smoke Modeling Framework *Susan O'Neill, USDA Forest Service*
2:00 – 2:20	Remote Sensing Information Gateway (RSIG) *Todd Plessel, U.S. EPA*
2:20 – 2:40	CLASS Tutorial *Shobha Kondragunta, NOAA NESDIS*
2:40 – 3:00	Using Panoply to Display VIIRS and ABI Data *Rebekah Esmaili, NOAA NESDIS*
3:00 – 3:20	NOAA AerosolWatch and JSTAR Mapper Websites *Amy Huff, PSU*
3:20 – 3:40	Break for Refreshments

3:40 – 5:00	**Get Hands-On with Tools for Aerosol Prediction and Visualization** *Open period for users to explore tools; links to tools/websites/sample data available on the workshop's **Software Tools, Data, and Documents** webpage*
5:00	Workshop Adjourns

Wednesday, September 26

8:30 – 9:00	Check-In at NCWCP Conference Center Lobby Coffee/Tea and Snacks
9:00 – 9:30	Opening Remarks: GOES-R Program *Dan Lindsey, NOAA NESDIS (by phone)*
Morning Session: Update on ABI Aerosol and Fire Products	
9:30 – 10:00	Update on the GOES-17 ABI *Tim Schmit, University of Wisconsin Madison (by phone)*
10:00 – 10:30	ABI Fire Products *Chris Schmidt, University of Wisconsin Madison (by phone)*
10:30 - 10:50	Break for Refreshments
10:50 – 11:10	ABI Aerosol Algorithm *Mi Zhou, IMSG at NOAA NESDIS*
11:10 – 11:50	Status and Validation of ABI Aerosol Products *Shobha Kondragunta, NOAA NESDIS*
11:50 – 1:00	Lunch (provided on site) and screening of *Dust Rising* documentary
Afternoon Session 1: Satellite Continuity and Synergy Panel Discussion	
1:00 – 2:00	Panelists: • Kelly Chance, Smithsonian Astrophysical Observatory • Edward Hyer, NRL • Ralph Kahn, NASA GSFC • Robert Levy, NASA GSFC
Afternoon Session 2: User Applications of Aerosol Satellite Products	
2:00 – 2:20	Forecasting the Impacts of Smoke and Saharan Dust in Texas *Weslee Copeland, Texas Commission on Environmental Quality*
2:20 – 2:40	Satellite Products for Operations and Data Analysis in Pennsylvania *Sean Nolan, Pennsylvania Department of Environmental Protection*
2:40 – 3:00	Satellite Products for Operations and Data Analysis in Connecticut *Michael Geigert, Connecticut Department of Energy and Environmental Protection*
3:00 – 3:20	Recent Fire Activity in the Western Region *Andy Edman, NOAA NWS*
3:20 – 3:40	Break for Refreshments
3:40 – 4:00	MODIS AOD for $PM_{2.5}$ Epidemiological Research *Allan Just, Icahn School of Medicine at Mount Sinai*
4:00 – 4:20	Geostationary Observations for Initialization of Air Quality Models *Edward Hyer, NRL*
4:20 – 4:40	Dust Modeling and Validation using VIIRS and ABI Products *Daniel Tong, NOAA OAR*
4:40 – 5:00	Using VIIRS AOD to Evaluate NGAC v2 *Paratha Bhattacharjee, IMSG at NOAA*
5:00	Workshop Adjourns