

NOAA Satellite Aerosol Product Workshop
September 25-26, 2017

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

Workshop Agenda

Monday, September 25

8:30 – 9:00	Check-In at NCWCP Conference Center Lobby Coffee/Tea and Snacks
9:00 – 9:20	Opening Remarks: JPSS Program <i>Mitch Goldberg, NOAA NESDIS/JPSS</i>
Morning Session 1: Update on VIIRS Aerosol and Fire Products	
9:20 – 9:40	Status of VIIRS Aerosol Products <i>Shobha Kondragunta and Istvan Laszlo, NOAA NESDIS</i>
9:40 – 10:00	Status of VIIRS Fire Products <i>Ivan Csiszar, NOAA NESDIS and Evan Ellicott, University of Maryland</i>
Morning Session 2: Visualizing VIIRS Data	
10:00 – 12:00	Hands-On Group Activity: Generate VIIRS AOT, Aerosol Detection, and RGB imagery using Data Visualization Tools <i>Hongqing Liu, NOAA NESDIS</i>
10:20 – 10:40	Break for Refreshments
12:00 – 1:00	Lunch (provided on site)
Afternoon Session: User Applications of Aerosol Satellite Products	
1:00 – 1:20	NOAA's Fire and Smoke Initiative <i>Andy Edman, NOAA NWS</i>
1:20 – 1:40	HRRR-Smoke Model <i>Ravan Ahmadov, NOAA/ESRL/GSD and CU Boulder CIRES</i>
1:40 – 2:00	Recent Impacts of Fire and Smoke on Ambient Air Quality in the Mid-Atlantic <i>Bill Ryan, Penn State University</i>
2:00 – 2:20	May 2016 Ozone Exceptional Event Analysis for Connecticut using Satellite Data <i>Michael Geigert, Connecticut Department of Energy and Environmental Protection</i>
2:20 – 2:40	GOES and VIIRS Aerosol Products in NCEP Models <i>Jeff McQueen, NOAA NWS</i>
2:40 – 3:00	Break for Refreshments
3:00 – 3:20	GOES and VIIRS Aerosol Products in ARL Models <i>Ariel Stein, NOAA OAR</i>
3:20 – 3:40	NUCAPS <i>Nadia Smith, Science & Technology Corp. (STC)</i>
3:40 – 4:00	Air Pollution Modeling and Health Effects Research <i>Yang Liu, Emory University (by phone)</i>



4:00 – 4:20	Remote Sensing Information Gateway <i>Todd Plesse, U.S. EPA</i>
4:20 – 5:00	ABI Image Gallery of Recent Events <i>Shobha Kondragunta, NOAA NESDIS and Amy Huff, Penn State University</i>
5:00	Workshop Adjourns
6:30 – 9:00	Optional Group Dinner at Mulligan's Grill and Pub on the University of Maryland Golf Course (pay on your own)

Tuesday, September 26

8:30 – 9:00	Check-In at NCWCP Conference Center Lobby Coffee/Tea and Snacks
9:00 – 9:20	Opening Remarks: GOES-R Program <i>Steve Goodman, NOAA NESDIS (by phone)</i>
Morning Session: Introduction to GOES-16 ABI Products	
9:20 – 9:40	ABI Overview <i>Tim Schmit, NOAA STAR at UW-Madison (by phone)</i>
9:40 – 10:00	ABI Color Imagery Products <i>Hai Zhang, IMSG at NOAA NESDIS</i>
10:00 – 10:20	ABI Fire Products <i>Chris Schmidt, University of Wisconsin Madison (by phone)</i>
10:20 – 10:40	Break for Refreshments
10:40 – 11:00	Case Studies of Recent Aerosol Events using ABI and VIIRS Color Imagery <i>Amy Huff, Penn State University</i>
11:00 – 11:20	ABI Aerosol Detection Product Status and Characterization <i>Shobha Kondragunta, NOAA NESDIS</i>
11:20 – 11:40	ABI AOD Product Status and Characterization <i>Istvan Laszlo, NOAA NESDIS</i>
11:40 – 12:00	ABI Data Access <i>Kathryn Mozer, NOAA NESDIS</i>
12:00 – 1:00	Lunch (provided on site)
Afternoon Session 1: Working with Aerosol Data	
1:00 – 2:00	Hands-On Group Activity: Analyze FRP Data for a Recent Fire <i>Ivan Csizsar, NOAA NESDIS</i>
2:00 – 3:30	Hands-On Group Activity: Generate ABI AOD, Aerosol Detection, and RGB imagery using Data Visualization Tools <i>Hongqing Liu and Rebekah Esmaili, NOAA NESDIS</i>
2:40 – 3:00	Break for Refreshments
Afternoon Session 2: Near Real-Time ABI Imagery on AerosolWatch Website	
3:30 – 4:30	Hands-On Group Activity: Access ABI Aerosol Imagery on AerosolWatch Website <i>Amy Huff, Penn State University</i>
4:30 – 4:50	Group Discussion: Feedback on AerosolWatch and ABI Products <i>Moderator: Amy Huff, Penn State University</i>
4:50 – 5:00	Workshop Evaluations
5:00	Workshop Adjourns

