**VIIRS Aerosol Science and Operational Users Workshop   
November 21-22, 2013**

**National Center for Weather and Climate Prediction (NCWCP)**

**5830 University Research Court**

**College Park, MD 20740**

**Workshop Agenda**

**Thursday, November 21**

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| 8:00 – 8:30 | Registration |
| 8:30 – 8:45 | Welcome and Goals of the Workshop  *Shobha Kondragunta, NOAA* |
| 8:45 – 9:15 | VIIRS Aerosol Optical Depth Algorithm and Validation  *Istvan Laszlo, NOAA* |
| 9:15 – 9:45 | VIIRS Aerosol Products, Data Quality, and Visualization Tools *Hongqing Liu, IMSG at NOAA* |
| 9:45 – 10:15 | VIIRS Suspended Matter and Dust Index Products  *Shobha Kondragunta, NOAA and Pubu Ciren, IMSG at NOAA* |
| 10:15 – 10:45 | Break |
| 10:45 – 11:30 | Global Case Studies of VIIRS Aerosol Products and Data Access  *Lorraine Remer, UMBC* |
| 11:30 – 12:00 | View from the Outside: How VIIRS Aerosol Products Fit into the Larger Aerosol Remote Sensing Picture  *Ralph Kahn, NASA GSFC* |
| 12:00 – 1:00 | Lunch |
| 1:00 – 1:20 | Transitioning from MODIS AOD to VIIRS AOD  *Robert Levy, NASA GSFC* |
| 1:20 – 1:40 | VIIRS Aerosol Products in Data Assimilation  *Arlindo da Silva, NASA GSFC* |
| 1:40 – 2:00 | Use of VIIRS Aerosol Products in a Regional Air Quality Model *Rohit Mathur, EPA* |
| 2:00 – 2:20 | Global Estimates of Ambient PM2.5 Concentration from Satellite AOD  *Aaron Van Donkelaar, Dalhousie University* |
| 2:20 – 2:40 | Estimating Surface PM2.5 Concentrations using Satellite AOD  *Sundar Christopher, University of Alabama - Huntsville* |
| 2:40 – 3:10 | Break |
| 3:10 – 3:30 | *Engaging New Users for VIIRS Aerosol Products*  *Rich Kleidman or Pawan Gupta, NASA ARSET Program* |
| 3:30 – 5:00 | Group Discussion: VIIRS Aerosol Products for Research Applications  *Moderator: Lorraine Remer, UMBC* |
| 5:00 | Workshop Adjourns for the Day |

**Friday, November 22**

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| 8:00 – 8:30 | Registration |
| 8:30 – 9:00 | Overview of the JPSS Program  *Mitch Goldberg, NOAA* |
| 9:00 – 9:30 | Aerosol Products in Operational Air Quality Forecasting – West Coast Perspective  *Kevin Durkee, South Coast Air Quality Management District* |
| 9:30 – 10:00 | Aerosol Products in Operational Air Quality Forecasting – East Coast Perspective  *Laura Warren, Maryland Department of the Environment* |
| 10:00 – 10:30 | Break |
| 10:30 – 11:00 | Improving EPA’s AIRNow AQI Maps with MODIS Aerosol Products  *Jim Szykman, EPA* |
| 11:00 – 11:30 | Use of Satellite Data in Operational Air Quality Prediction *Ivanka Stajner, NOAA* |
| 11:30 – 12:00 | VIIRS Aerosol Products in NOAA’s HMS Fire and Smoke Product  *Mark Ruminski, NOAA* |
| 12:00 – 1:00 | Lunch |
| 1:00 – 1:30 | A Tutorial on MODIS and VIIRS Aerosol Products from Direct Broadcast Data on IDEA  *Hai Zhang, IMSG at NOAA* |
| 1:30 – 2:00 | Overview of Case Studies of VIIRS Aerosol Products for Operational Applications  *Amy Huff, Pennsylvania State University* |
| 2:00 – 3:00 | Breakout Session: Review of Case Studies of VIIRS Aerosol Products for Operational Applications |
| 3:00 – 3:30 | Break |
| 3:30 – 4:30 | Group Discussion: Feedback on Case Studies of VIIRS Aerosol Products for Operational Applications  *Moderator:* *Amy Huff, Pennsylvania State University* |
| 4:30 – 4:45 | Next Steps for VIIRS Aerosol Products  *Shobha Kondragunta, NOAA* |
| 4:45 – 5:00 | Workshop Evaluations |
| 5:00 | Workshop Adjourns |