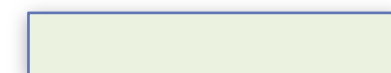


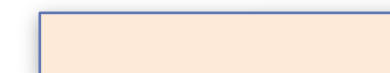
# MODIS/VIIRS Atmosphere Discipline Team Session

3 May 2023, College Park, MD

Name	Organization	MODIS	VIIRS	Discipline	Project Title
Steve Platnick	GSFC	x		atmosphere	MODIS Atmosphere Discipline lead; Cloud optical properties (MOD06); Level-3 joint Atmosphere (MOD08)
Bob Holz	Univ. of Wisc. - Madison		x	atmosphere	VIIRS Atmosphere Discipline lead
Steve Ackerman	Univ. of Wisc. - Madison	x		atmosphere	Former Cloud Mask (MOD35), Cloud Top Properties (MOD06), Clear Sky (MOD05/07)
Sarah Bang	MSFC	x	x	atmosphere	Severe thunderstorms from nearly simultaneous microwave, visible, and infrared perspectives
Christina Hsu	GSFC	x	x	atmosphere	Aerosol properties over bright-reflecting land (MOD04 Deep Blue)
Rob Levy	GSFC	x	x	atmosphere	Aerosol properties using dense dark vegetation and ocean (MOD04 Dark Target)
Zhanqing Li	Univ. of Maryland	x	x	atmosphere	Generation of aerosol fine mode fraction and surface PM
Jay Mace	Univ. of Utah	x		atmosphere	Exploring cloud droplet number variability in the high latitude oceans
Randall Martin	Washington Univ.	x	x	atmosphere	Characterize seasonal and long term changes in fine mode particulate matter
Kerry Meyer	GSFC	x	x	atmosphere	MODIS/VIIRS Cloud Continuity products (CLDMSK, CLDPROP); Above-cloud Absorbing Aerosol Algorithm (ACAERO)
Catherine Naud	Columbia Univ.	x	x	atmosphere	Survey of environmental cloud controlling factors for the extratropical oceans
Vincent Realmuto	JPL	x	x	atmosphere	TIR-based volcanic SO <sub>2</sub> products
Eric Wilcox	DRI	x		atmosphere	Variations in atmospheric temperature from light-absorbing aerosols
Ryan Kramer	UMBC			atmosphere	Cloud Radiative Forcing
Eva Borbas	U Wisc	x		atmosphere	Cloud Mask (MOD35), Cloud Top Properties (MOD06), Clear Sky (MOD05/07)
Tianle Yuan	UMBC	x		atmosphere	Automate ship track detection & ship track analysis
Michael King	Univ. of Colorado - LASP	x		Team Leader	Former MODIS Team Leader



Product PIs/Leadership  
(Sen. Review, ROSES20 A.52, A.33)



Sci. Analysis PIs (ROSES20 A.33)



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3 May 2023, College Park, MD

**Atmosphere Discipline Overview: Holz, Platnick**

**8:30**

**Science Analysis (15 min each w/questions)**

**8:40**

## Aerosols

- **Jing Wei/ Zhanqing Li:** In person. *Tracking Ambient Particulate Matter and Chemical Composition from Space using Artificial Intelligence*
- **Eric Wilcox:** In person. *Quantifying impacts of light-absorbing aerosols on atmospheric temperature and circulation*

## Clouds

- **Catherine Naud:** Virtual. *Cloud controlling factors in the extratropics*

## Aerosols & Clouds

- **Jay Mace/Sally Benson:** Virtual. *Systematic Changes in Cloud Droplet Number Concentrations Along Air Mass Trajectories in the High Latitude Southern Ocean*
- **Tianle Yuan:** In person. *Strong aerosol indirect forcing from increasing low cloud coverage suggested by ship-tracks in Aqua MODIS*

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**Atmosphere SIPS/LAADS Data Access: Liam Gumley, Elaine Prins** **10:00**

*Break* **10:30**

**Continuity Products: Status, Challenges, Future Directions (15 min each + discussion)** **10:45**

- **Christina Hsu:** In person. VIIRS Deep Blue aerosol product (AERDB)
- **Rob Levy:** In person. VIIRS Dark Target aerosol product (AERDT)
- **Kerry Meyer:** In person. VIIRS/MODIS cloud products (CLDMSK, CLDPROP)
- **Eva Borbas:** In person. VIIRS+CrIS Fusion product (FSNRAD)
- *Open discussion*

*Lunch* **noon**

\* **Vince Realmuto**, A.33 new product: poster. TIR-Based Volcanic SO<sub>2</sub> Science Products for MODIS and VIIRS – 2023 Update

# MODIS/VIIRS Atmosphere Discipline Team Session

3 May 2023, College Park, MD

## **NASA's Terra, Aqua, and Aura Data Continuity Workshop**

23-25 May 2023

11-4p EDT

