



2010 GOES-R Algorithm Working Group And GOES-R Risk Reduction Review

7-11 June 2010

*The Madison Concourse Hotel
1 West Dayton Street
near the University of Wisconsin–Madison
Madison, WI*

Conference Goal: Present the accomplishments of the AWG and GOES-RRR over the past year

Conference Objectives:

1. Review the progress of the Algorithm Working Group (AWG) over the past year and review objectives of the coming year;
2. Present results/issues/science from the product application teams;
3. Provide feedback on Algorithm Development Executive Board's (ADEB) independent peer review report;
4. Hold individual meetings with the product application teams and the Algorithm Integration Team (AIT) to review algorithm code development;
5. Inform the GOES-R Program Office and the AWG Technical Advisory Committee (TAC) on the status of the AWG.
6. GOES-RRR annual review

Monday, 7 June:

Day 1: Welcome and Introductions
Chair: Mitch Goldberg

12:30 pm	Registration / Poster drop-off	
1:00 pm	Welcome Remarks/Logistics	Steve Ackerman, UW CIMSS Tim Schmit, NOAA/NESDIS
1:10 pm	Meeting Objectives and Agenda	Mitch Goldberg, NOAA/NESDIS
1:25 pm	Keynote Presentation	Mike Pavolonis, NOAA/NESDIS
	<i>Using the GOES-R AWG Volcanic Ash Algorithm to Track Eyjafjallajokull Volcanic Ash: Impacts on Operations and Research</i>	
1:50 pm	GPO Status Report	Greg Mandt, NOAA/NESDIS
2:05 pm	Ground System Status Report	Greg Mandt, NOAA/NESDIS
2:25 pm	Break	
	Algorithm Development and Validation	
3:00 pm	AWG Overview, Roles and Responsibilities	Mitch Goldberg, NOAA/NESDIS
3:20 pm	Science code to delivered Algorithm Packages	Walter Wolf, NOAA/NESDIS
3:40 pm	Algorithm Development Executive Board	Al Powell, NOAA/NESDIS
4:00 pm	Calibration Working Group	Changyong Cao, NOAA/NESDIS
4:30 pm	ATBDs from the Implementer's Perspective	Robert Kaiser, HARRIS
5:00 pm	GOES-R Proving Ground	Jim Gurka, NOAA/NESDIS
5:30 pm	Poster Reception	

[All times are Central.]

Tuesday, 8 June:

Day 2: AWG Presentations, AIT Team Meetings and Poster Sessions
Co-Chair: Tim Schmit

7:30 am Continental Breakfast

8:15 – 5:00 pm **AIT will hold 1 hour meetings with individual Application Teams (Conference Room I)** Walter Wolf, NOAA/NESDIS

8:15 am Hydrology Team

9:15 am Radiation Budget Team

10:15 am SST Team

11:15 am Lightning Team

Lunch

1:15 pm AAA Team

2:15 pm Cryosphere Team

3:15 pm Imagery Team

4:15 pm Winds Team

8:30 am **Application Team presentations begin (Baseline Products)** Mitch Goldberg, NOAA/NESDIS
(15min ea)

8:30 am Imagery

8:45 am Cloud Mask

9:00 am Cloud Phase

9:15 am Cloud Height

9:30 am Daytime Cloud Microphysical Properties

9:45 am Nighttime Cloud Microphysical Properties

10:00 am Break – Poster Session

10:45 am **AT presentations continue**

10:45 am Aerosol Detection

11:00 am Aerosol Optical Depth & Aerosol Particle Size

11:15 am Ozone

11:30 am Volcanic Ash

11:45 am Soundings

12:00 noon Working Lunch -- End to End Testing using GRAFFIR

1:00 pm **AT presentations continue**

1:00 pm Hurricane Intensity

1:15 pm Derived Motion Winds

1:30 pm Land Surface Temperature

1:45 pm Fire Detection

2:00 pm NDVI

2:15 pm Lightning

2:30 pm Rain Rate

2:45 pm Break – Poster Session

3:30 pm **AT presentations continue**
3:30 pm SST
3:45 pm Shortwave Radiation Budget (Downward Surface & Upward TOA)
4:00 pm Upward Longwave Radiation TOA
4:15 pm Downward Longwave Radiation: Surface
4:30 pm Upward Longwave Radiation Surface
4:45 pm Fractional Snow Cover
5:00 pm End – Dinner on your own

5:10 pm TAC meets (Room 629)

Wednesday, 9 June:

Day 3: AWG Presentations and AIT Team Meetings
Chair: Jaime Daniels

7:30 am Continental Breakfast

8:30 – 5:00 pm **AIT will hold 1 hour meetings with individual Application Teams (Conference Room I)** Walter Wolf, NOAA/NESDIS

8:30 am Land Team
9:30 am Sounding Team
10:30 am Ocean Dynamic Team
11:30 am Proxy Team
Lunch
1:00 pm Cloud Team
2:00 pm Physical Collocations
3:00 pm Aviation
4:00 pm Cloud Shadows and Parallax

8:30 am **Application Team presentations begin (Option 2 Products)** Mitch Goldberg, NOAA/NESDIS
(20min ea)

8:30 am Low Cloud and Fog
8:50 am SO₂ Detection
9:10 am Convective Initiation
9:30 am Overshooting Top/Enhanced “V”
9:50 am Turbulence

10:10 am Break – Poster Session

10:40 am **AT presentations continue**
10:40 am Aircraft Icing Threat
11:00 am Surface Albedo
11:20 am Green Vegetation Fraction
11:40 am Flood/Standing Water

12:00 noon Working Lunch -- Real time instrument monitoring and bias corrections

1:00 pm **AT presentations continue**
1:00 pm Surface Emissivity

1:20 pm	Ocean Currents and Offshore Ocean Currents
1:40 pm	Rainfall Probability
2:00 pm	Rainfall Potential
2:20 pm	Break –Poster Session
3:00 pm	AT presentations continue
3:00 pm	Absorbed Shortwave Radiation: Surface
3:20 pm	Snow Depth
3:40 pm	Ice Cover and Sea & Lake Ice Concentration
4:00 pm	Ice Age
4:20 pm	Ice Motion
4:40 pm	Visibility
5:00 pm	End – Dinner on your own
5:10 pm	TAC meets (Room 629)

Thursday, 10 June:

Day 4: AWG and GOES-RRR
Chair: Mitch Goldberg

8:00 am	Continental Breakfast	
8:30 am	Visualization using McIDAS-V	Tom Rink, SSEC
9:15 am	Response to the 2009 TAC comments	Mitch Goldberg, NOAA/NESDIS
10:00 am	Break / Poster Session	
10:30 am	TAC Comments/Directions	TAC
11:30 am	AWG portion Concludes	
11:30 am	Lunch on-your-own	
1:00 pm	Land TIM (Conference Room I)	

2010 GOES-R Risk Reduction Annual Review
Chairs: Ingrid Guch and Mark DeMaria

1:00-1:15 Introduction (Mark DeMaria and Ingrid Guch)

Time	P.I.	Affiliation	Project
1:15-1:30 PM	B. Connell	CIRA	National and International Training
1:30-1:45	J. Dostalek	CIRA	Winter Weather Studies with GOES-R
1:45-2:00	C. Combs		
	L. Grasso	CIRA	Severe Weather
	D. Lindsey		
2:00-2:15	J. Knaff	CIRA	Tropical Analysis and Forecasting
2:15-2:30	M. Zupanski	CIRA	Data Assimilation
2:30-2:45	J. Otkin	CIMSS	Assimilation of Temporal/Spatial Measurement Information
	A. Huang		
30 min Break / Final Poster Viewing			
3:15-3:45 PM	F. Weng, S. Lord	JCSDA	NWP Models
3:45-4:00	Steve Weygandt	JCSDA	GOES Imager Assimilation (remote)
4:00-4:15	S. Kondragunta Q. Zhao	STAR/MSG	Air Quality Applications
4:15-4:30	S. Kondragunta H. Zhang	STAR UMBC	IDEA Product for GOES-R Data
4:30-4:45	S. Kondragunta X. Zhang	STAR/ISMG	Trace Gas and Aerosol Emissions
4:45-5:15	S. Hill T. Onsager	NOAA/SEC	Space Weather
5:15 pm	End – Dinner on your own		

Friday, 11 June:

8:30 am Imagery TIM (Conference Room I)

10:45 am Vol Ash TIM (Conference Room I)

2010 GOES-R Risk Reduction Annual Review Chairs: Ingrid Guch and Mark DeMaria

8:00 am Continental Breakfast

8:30-8:45 AM Introduction (Mark DeMaria and Ingrid Guch)

<u>Time</u>	<u>P.I.</u>	<u>Affiliation</u>	<u>Project</u>
8:45-9:15	Bill Koshak	NASA	Geostationary Lightning Mapper
9:15-9:30	D. Cecil S. Mahani	UAH NWS/NSSL	Nowcasting
9:30-9:45	C. Rozoff	CIMSS	Hurricane Winds
9:45-10:00	J. Kossin R. Peterson	CIMSS	Nearcasts
10:00-10:15	B. Aune R. Pierce	CIMSS	ABI Proxy Data Studies
10:15-10:30	S. Ackermann	CIMSS	Education and Outreach
15 minute break			
10:45-11:00	J. Li A. Huang	CIMSS	Sounding Algorithm Development
11:00-11:15	T. Rink	CIMSS	Visualization Development
11:15-11:30	D. Birkenheuer	GSD	Water Vapor Data
Lunch break (on your own)			
1:00-1:15	N. Wang	UND, ESSIC	GOES-R Rainrate Product
1:15-1:30	J. Knaff	NESDIS/RAMMB	Tropical Cyclone Rapid Intensification Index
1:30-1:45	M. Lazzara	SSEC/CIMSS	Motion Vectors
1:45-2:00	I. Laszlo	STAR	GOES Solar Radiation Products
2:00-2:15	J. Mecikalski	UAH	GOES-R ABI and Global Lightning Mapper Data
2:15-3:00	Wrap-up with the TAC		

Agenda version date: 15 June 2010