

DRAFT

NOAA Satellite Conference

for Direct Readout, GOES/POES, and GOES-R/JPSS Users

NOAA Center for Weather and Climate Prediction (NCWCP)

College Park, Maryland

8-12 April 2013

Updated: 25 Oct 2012

Saturday, April 6 and Sunday, April 7		"Train the Trainers" Workshop	Goal
9:00am - 5:00pm		A WMO and NOAA sponsored "Train the Trainers" Workshop has been proposed for the weekend before the NOAA Satellite Conference itself. Details will be posted/shared as they become available.	This proposed workshop would focus on the use of the GEONetCast (GNC) satellite receiving system and related data as a tool for Disaster Risk Mitigation. The invited participants will be from WMO Region II and IV. <u>Preliminary goals:</u> - illustrate the importance of using satellite data for disaster risk mitigation. - discuss installation and use of GNC as a means of sending applied satellite data and training material.
Monday, April 8		Registration/Opening Session	Goal
8:30am - 1:00pm		Registration / Pre-Conference Meetings	
8:30am - 12:00pm		GSICS Users' Workshop Co-Chairs: Fuzhong Weng / Tim Hewison	The workshop will help assure high-quality, inter-calibrated measurements from the international constellation of operational satellites to support the GEOSS goal of increasing the accuracy and interoperability of environmental products and applications for societal benefit. This workshop will include an: <ul style="list-style-type: none">• Overview of GSICS scope, principles and vision• Update on GSICS Product development• User feedback on demonstration GSICS products• GSICS data management and availability to users• Plans for inter-comparison of Metop-B/IASI with Metop-A/IASI• Update on GSICS developments concerning microwave sensors• Testing impact of GSICS Correction of GEO WV channels on Upper Tropospheric Humidity• Interaction with GHRSSST
1:00pm		Opening Remarks	
1:20pm		Special Guest Speaker - NOAA	
1:40pm		Special Guest Speaker - NESDIS	
2:00pm		Highlights since the 2011 Satellite Direct Readout and GOES Users' Conferences - OSPO / GOES-R	
2:20pm		Special Guest Speaker - NWS	
2:40pm		Break	
3:10pm		Special Guest Speaker - EUMETSAT	
3:30pm		Keynote Address - WMO	
4:00pm		Wrap-up / End of Day 1	
5:00pm		Icebreaker/Social (at Hotel)	
Tuesday, April 9		Current and Future Programs and Systems	Goal
8:00am		Daily Weather Brief	A presentation and discussion on the day's weather and how satellite data, imagery, and products are being used.
8:30am		VIP Presentation	Proposed time slot for a distinguished participant (to be determined).
9:00 - 10:15am		GOES/GOES-R Co-Chairs: Steve Goodman / Jim Gurka	This session will inform the user communities about the status of the current GOES satellites, the future GOES-R series, and sources of information to ensure user readiness for GOES-R. The GOES-R Program also seeks input from the user communities on what additional steps we can take to ensure that users are ready to use GOES-R products on the first day of operations.
10:15am		Intro to Posters, Break, and Poster Session 1 Co-Chairs: Tim Schmit / Gary McWilliams	This session will ensure each poster presenter has the opportunity to discuss his/her important work and that all attendees have the option to visit that poster and its topic. The poster session itself is a chance for important, one-on-one communication and networking among all attendees (government, customers, international, vendors, students, etc.).
11:30am - 12:45pm		POES/JPSS Co-Chairs: Jim Silva / Mitch Goldberg	This session will inform the user communities about the status of the current U.S. Polar Orbiting Spacecraft (DMSP, NOAA, and NPP) satellites, the future JPSS and DoD series, and sources of information to ensure user readiness. The JPSS Program also seeks input from the user communities on what additional steps we can take to ensure that users are ready to use JPSS products on the first day of operations.
12:45pm		Lunch / Exhibits	
2:00 - 3:15pm		Direct Readout Co-Chairs: Marlin Perkins / Paul Seymour	This session's goal is to inform all users on our future direct readout and rebroadcast services to ensure they are aware of upcoming technology enhancements and prepare them for these changes. The session will also provide users with information on APT, HRPT, GVAR, Argos DCS, GOES DCS, LRIT, EMWIN, GEONETCast Americas and other NOAA systems.
3:15pm		Break	
3:45pm		User Feedback Session 1	This feedback session will provide an opportunity to articulate and discuss the perspectives of users on GOES/GOES-R, POES/NPP/JPSS and Direct Readout issues, concerns and challenges.
5:00pm		Wrap-up / End of Day 2	
Wednesday, April 10		Data Access and Use	Goal
8:00am		Daily Weather Brief	A presentation and discussion on the day's weather and how satellite data, imagery, and products are being used.
8:30am		VIP Presentation	Proposed time slot for a distinguished participant (to be determined).
9:00 - 10:15am		Data Access Co-Chairs: Tom Renkevans / Matt Seybold	This session will focus on the access of current and new data from the launch of the next generation of geostationary satellites, the GOES-R series, along with the Joint Polar Satellite System (JPSS) and the EUMETSAT's MetOp series of polar-orbiting satellites. Presentations will highlight the significant changes in data rates, volumes and acquisition. The changes brought about by these new satellite systems will affect all current and future users of environmental satellites, particularly those who receive data directly from the satellites.

10:15am	Intro to Posters, Break, and Poster Session 2 Co-Chairs: Tim Schmit / Gary McWilliams	This session will ensure each poster presenter has the opportunity to discuss his/her important work and that all attendees have the option to visit that poster and its topic. The poster session itself is a chance for important, one-on-one communication and networking among all attendees (government, customers, international, vendors, students, etc.).
11:30am - 12:45pm	Data Use Co-Chairs: Ingrid Guch / Ken Carey	The Data Use session will focus on increasing NOAA satellite data utilization by leveraging science advances, data fusion, blended products, decision aids, advanced visualization, training, instrument and product calibration and validation, and new data assimilation techniques.
12:45pm 2:00pm	Lunch / Exhibits User Feedback Session 2 Co-Chairs: Bonnie Morgan / Paul Haggerty	This feedback session will provide an opportunity to articulate and discuss the perspectives of users of GOES, POES/NPP and other satellite data access / use.
3:15pm 3:45pm	Break Improving the Use of Satellite Data at NOAA's Center for Satellite Applications and Research	Dr. Al Powell (NESDIS/STAR Director) will provide an overview of issues and challenges of STAR's process to accelerate the transfer of satellite observations of the land, atmosphere, ocean, and climate from scientific research and development into routine operations, and offer state-of-the-art data, products, and services.
4:15pm 5:00pm	NCWCP Tours Wrap-up / End of Day 3	Opportunity to participate in a guided tour of the NCWCP.

Thursday, April 11		Applications	Goal
8:00am	Daily Weather Brief	A presentation and discussion on the day's weather and how satellite data, imagery, and products are being used.	
8:30am	Leveraging Satellite Data at NOAA's National Centers for Environmental Prediction Weather Forecasting Applications Co-Chairs: Joseph Sienkiewicz / Michael Folmer	Dr. Louis Uccellini (NCEP Director) will provide an overview of NCEP's current and planned future uses of satellite data. The theme of this session is "Preparing for nowcasting with GOES-R Imagery and GLM." GOES-R with the Global Lightning Mapper (GLM) and improved horizontal and temporal imagery and products opens the door for an increased focus on nowcasting, both within and beyond the coverage of the WSR-88D network. This session will focus on products and services to improve the short term interpretation and prediction of convective storms.	
10:15am	Intro to Posters, Break, and Poster Session 3 Co-Chairs: Tim Schmit / Gary McWilliams	This session will ensure each poster presenter has the opportunity to discuss his/her important work and that all attendees have the option to visit that poster and its topic. The poster session itself is a chance for important, one-on-one communication and networking among all attendees (government, customers, international, vendors, students, etc.).	
11:30am - 12:45pm	Environmental Assessment Applications Co-Chairs: Kathy-Ann Caesar / Stuart Frye	This session will illustrate the various capacities in which satellite data can be used in areas such as drought and flood monitoring, ocean/sea inundation, and overall disaster management support.	
12:45pm 2:00 - 3:15pm	Lunch / Exhibits Climate Applications Co-Chairs: John Bates / Pingping Xie	This session will provide an overview, as well as some specific examples, of satellite-based products and services used in climate monitoring, applications and seasonal to interannual prediction	
3:15pm 3:45pm	Break Special Session - Hurricanes and Heavy Precipitation Co-Chairs: Steve Goodman / Fuzhong Weng / Mark De Maria	This special session promotes innovative uses of current and future satellite observations from the polar and geostationary platforms which lead to improved hurricane and heavy precipitation forecasts.	
5:00pm 6:00pm	Wrap-up / End of Day 4 No-Host Dinner (Location & Speaker TBD)		

Friday, April 12		Closing Session	Goal
8:00am	Daily Weather Brief	A presentation and discussion on the day's weather and how satellite data, imagery, and products are being used.	
8:30am	VIP Presentation	Proposed time slot for a distinguished participant (to be determined).	
9:00 - 10:30am	Significant Events (Wildfires, Drought, etc.) Co-Chairs: Grace Swanson / Regis Walter	Presentations during this session will focus on satellite applications, products and services to support decision makers involved with significant events (e.g., drought, wildfires, flooding). Highlights of this session will include: (1) Linking satellite data acquisition and analysis combined with other value adding capacities to generate solutions to help mitigate the effects of disasters on human life, property and the environment. (2) Using global environmental data and products from satellites and other sources to promote, protect, and enhance the nation's economy, security, environment and quality of life. This includes protecting life and property through enhanced prediction, response and mitigation of severe weather hazards such as tornadoes and floods, natural hazards such as fires and volcanic activity, and technological hazards such as oil spills.	
10:30am	Break		
11:00am	Conference Summary / Action Items	Capture and discuss key action items for collective work through the next few years.	
11:45am	Closing Remarks / End of Conference		
12:00pm	Lunch		
1:00pm	NCWCP Tours	Opportunity to participate in a guided tour of the NCWCP.	