

# **AGENDA**

*17 May 2004*

## ***Third GOES-R Users Conference***

**May 10-13, 2004**

***Omni Interlocken Resort Hotel  
Broomfield, CO***

(Broomfield is located approximately 10 miles southeast of Boulder, CO)

### ***Goals for Conference:***

- 1) Inform users on the status of the GOES-R constellation, instruments, and operations;
- 2) Refine potential user applications for data and products from the GOES-R series;
- 3) Seek ways to help the user communities prepare for GOES-R;
- 4) Address user and societal benefits of the GOES-R series as an integral part of the Global Observing System;
- 5) Continue to improve communication between NOAA and the GOES user communities.

## **May 10 (Monday): Omni Hotel**

### ***Session 1: Welcome and Keynote***

***Co-Chairs: Gary Davis, NOAA/NESDIS & Gerry Dittberner, NOAA/NESDIS***

11:00 am	Registration (and poster set up)	
	LUNCH (on your own)	
12:45 pm	Introduction (logistics, conference format, etc)	Jim Gurka, NOAA/NESDIS
12:50 pm	Welcome/ Opening Remarks/ Conference goals	Gary Davis, NOAA/NESDIS
1:05 pm	Keynote Address: A Vision for NOAA's Weather and Water Services in the GOES-R era	Brig. Gen. D.L Johnson, NOAA/NWS
1:35 pm	Vision of an Integrated Global Observing System	Greg Withee, NOAA/NESDIS
2:05 pm	The Future of NOAA Coastal and Ocean Services in the GOES-R Era	Mary Culver, NOAA/NOS
2:25 pm	Science Evolution in the GOES-R era	Mitch Goldberg, NOAA/NESDIS
2:45 pm	Monitoring Air Quality in the GOES-R Era	Deborah Mangis, EPA
3:00 pm	Recommendations from 2 <sup>nd</sup> GOES Users Conference	Jim Gurka, NOAA/NESDIS
3:15 – 3:30 pm	BREAK	

### ***Session 2: Information Briefings***

***Co-Chairs: Mike Crison, NOAA/NESDIS & Tim Schmit, NOAA/NESDIS***

3:30 pm	GOES Program Overview & GOES-R System Architecture	Steve Kirkner, NOAA/NESDIS
4:00 pm	Introducing the ABI (Advanced Baseline Imager)	Tim Schmit, NOAA/NESDIS
4:30 pm	The Next Generation Operational Geostationary Sounder	Paul Menzel, NOAA/NESDIS
5:00 pm	HES/Coastal Waters	Chris Brown, NOAA/NESDIS
5:30 pm	Questions/Discussion	Integrated Work Strategies
5:40 pm	End of day 1	

## **May 11 (Tuesday): Omni Hotel**

### ***Session 2 Information Briefings (Continued)***

***Co-Chairs: Mike Crison, NOAA/NESDIS & Tim Schmit, NOAA/NESDIS***

8:00 am	Registration/ continental breakfast (and poster set up)	
8:30 am	Announcements (as necessary)	Jim Gurka, NOAA/NESDIS
8:40 am	GOES Lightning Mapper Sensor	Hugh Christian, NASA/MSFC
9:00 am	Supporting Space Weather Users with the Space Environment Monitor and Solar Imaging on GOES-R	Howard Singer, NOAA/OAR/NWS
9:20 am	GOES-R GEO Microwave Sounder (GMS)	Mike Madden, Aerospace Corporation
9:40 am	How GIFTS helped pave the way for HES	Paul Menzel, NOAA/NESDIS
10:00 to 10:20 am	BREAK	
10:20 am	Instrument Synergy	Jim Purdom, CIRA
10:50 am	Future Integrated Satellite Architecture	Mike Crison, NOAA/NESDIS
11:10 am	The Imager/Sounder Paradigm Revisited	Joe Criscione, Swales Aerospace
11:30 am to 1:00 pm	LUNCH (on your own)	

### ***Session 3: GOES-R as a component of the Global Observing System***

***Co-chairs: Paul Menzel, NOAA/NESDIS and Jim Purdom, CIRA***

1:00 pm	The Role Of Geostationary Environmental Satellites In The WMO Space Program	Don Hinsman, World Meteorological Organization
1:20 pm	Meteosat Second Generation (MSG) Products	Ken Holmlund, Meteorological Operations Division, EUMETSAT
1:40 pm	Plans For EUMETSAT's Third Generation Meteosat (MTG) Geostationary Satellite Program	Rolf Stuhlman, Meteorological Operations Division, EUMETSAT
2:00 pm	Routine Use of METEOSAT Rapid Scans	HansPeter Roesli, Swiss Meteorological Service
2:20 pm	Plans for Japan's Geostationary Satellite Program - Multi-Functional Transport Satellites	Hitomi Miyamoto, Meteorological Satellite Center, Japan Meteorological Agency
2:40 to 3:10 pm	BREAK	
3:10 pm	Plan of Geostationary Satellite (COMS) Program in Korea	Hyo-Sang Chung, Meteorological Research Institute, Korea Meteorological Administration

***Session 3: GOES-R as a component of the Global Observing System  
(Continued)***

3:30 pm	Feature Plans of India's Geostationary Meteorological Satellite Programme	Ramesh Bhatia, Additional Director General of Meteorology, India Met Department
3:50 pm	Summary of other International Plans	Paul Menzel, NOAA/NESDIS
4:10 pm	Qualitative Design: The Right Way to Develop the Composite Observing System	Sandy MacDonald, NOAA/OAR
4:40 pm	Poster Previews	Tim Schmit, NOAA/NESDIS
5:00 pm	Discussion and wrap up	Integrated Work Strategies
5:15 pm	Poster session and icebreaker	

## May 12 (Wednesday): at OMNI Hotel

### ***Session 4: Ensuring User Readiness for GOES-R in 2012*** ***Co-Chairs: Joe Friday, University of Oklahoma & Tony Mostek, NOAA/NWS***

7:15 am	Continental Breakfast	
8:30 am	GOES-R User Readiness Planning	Jim Gurka, NOAA/NESDIS
8:40 am	NOAA User Readiness – Lessons Learned	Joe Friday, University of Oklahoma
9:10 am	A Committee Study of End-To-End Utilization of Operational Environmental Satellite Data: A Vision for 2010 and Beyond	Allen Huang, CIMSS
9:30 am	Existing Data Sets to Point the Way to GOES-R	Steve Ackerman, CIMSS
9:45 am	Risk Reduction for GOES-R Product Development	Paul Menzel, NOAA/NESDIS
10:05 am	GOES-R Data Delivery	Tim Schmit, NOAA/NESDIS
10:20 to 10:45 am	BREAK	
10:45 am	Comprehensive Large Array-data Stewardship System (CLASS)	Richard Reynolds, NOAA/NESDIS
11:05 am	User Education And Training	Tony Mostek, NOAA/NWS
11:25 am	NOAA Observing System Architecture (NOSA)	Eric Miller, NOAA/NESDIS
11:45 am	Overview of NOAA’s Four Mission Goals	Jim Butler, NOAA/PPI
12:00 pm to 1:00 pm	LUNCH (on your own)	

### 1:00 – 3:00 pm      ***SESSION 5A: Understand climate variability and change to enhance society’s ability to plan and respond*** ***Co-Chairs: Mitch Goldberg, NOAA/OAR & Gerry Dittberner, NOAA/NESDIS***

	Introduction	Gerry Dittberner, NOAA/NESDIS
	Report from NESDIS Data Users Conference	Kenneth Knapp, NOAA/NESDIS
	Overview of NOAA Climate Observational Requirements for GOES-R	Herb Jacobowitz, Short & Assoc
	GOES-R Support To Future Climate Monitoring Needs	Mitch Goldberg, NOAA/NESDIS
	GOES-R and the Data Center of the 21 <sup>st</sup> Century	Kenneth Knapp, NOAA/NESDIS
	GOES-R Support To Future Long-Wave Radiation Products	Hai-Tien Lee, CICS
	Role of GOES in International Climate Programs	Tom Vonderhaar, CIRA
3:00 – 3:15 pm	BREAK	

3:15 – 5:15 pm **SESSION 5B: Protect, restore, and manage the use of coastal and ocean resources through ecosystem-based management**

**Co-Chairs: Ricardo Letelier, CIOSS & John Pereira, NOAA/NESDIS**

The Cooperative Institute for Oceanographic Satellite Studies: Ted Strub, CIOSS	
A New Collaboration between NOAA/NESDIS/ORA and OSU/COAS	
Harmful Algal Blooms and GOES-R	Rick Stumpf, NOAA/NOS
Potential Applications of GOES-R Data in support of NOAA Fisheries Missions	Cara Wilson, NOAA/NMFS/PFEL
Naval Research Applications for GOES-R data	Bob Arnone, NRL
Gulf of Mexico Coastal Marine Applications Using GOES-R Data	Nan Walker, Louisiana State Univ
Coastal Ocean & Carbon Measurements From Geostationary Orbit	Janet Campbell, Univ. of New Hampshire
Animation of GOES images for the Detection of Ocean Features	Richard Legeckis, NOAA/NESDIS
Mapping ocean Surface from Sequential Surface Temperature Imagery	Bill Emery, Univ. of Colorado

1:00 – 3:00 pm **SESSION 6A: Support the Nation's commerce with information for safe, efficient, and environmentally sound transportation**

**Co-Chairs: Bob Winokur, US Navy/Oceanographer & Gary Ellrod, NOAA/NESIDS**

Navy Operational Applications of GOES-R data	Dick Crout, CNMOC
Joint Ice Center Applications of GOES-R	Dick Crout, CNMOC
Navy Ionospheric & Thermospheric Imaging from Geostationary Orbit	Stefan Thonnard, NRL
GOES-R Support to Aviation Route Planning	Warren Rodie, NWS/CWSU
GOES-R Support for Volcanic Ash Avoidance	Paul Herzegh, UCAR
GOES-R Contributions Toward More Effective Combat Force Projection	Brian Kabat, AFWA
GOES Data Collection System (DCS) in the GOES-R Era	Bill Brockman, Short & Assoc

3:00 – 3:15 pm BREAK

3:15 – 5:15pm **SESSION 6B: Serve society's needs for weather & water information**

**Co-Chairs: Frank Kelly, NOAA/NWS & Don Gray, NOAA/NESDIS**

GOES-R support to Weather Forecast Offices	Gary Hufford, NWS/ARH
GOES-R benefits for NWP	Ralph Petersen, CIMSS
The NOAA Hydrology Program and its Requirements for GOES-R	Pedro Restrepo/ NWS
GOES-R support to Future NWS Weather Applications	Frank Kelly, NWS
GOES-R support to Air Force Weather Applications	John Zapotocny /AFWA
GOES-R support to US Army Weather Applications	Don Hoock/US Army

6:15 pm Conference Dinner  
Dinner Speaker: Bill Hooke, Senior Policy Fellow and Director of the Atmospheric Policy Program, American Meteorological Society

## **May 13 (Thursday): at Omni Hotel**

### **Breakout Sessions** **Facilitator: Jessica Hartung**

7:30 am	Continental Breakfast	
8:30 am	Introduction to feedback process	(Jessica Hartung)
9:00 am	Breakout sessions begin	(Facilitators and Technical Leads)
	Weather Applications (Tim Schmit and Gary Hufford)	
	Climate applications (Paul Try and Mitch Goldberg)	
	Coastal and Ocean Applications (Chris Brown and Rick Stumpf)	
	Safe and Efficient Transportation (Gary Ellrod and Dick Crout)	
	Hydrological Applications (Pedro Restrepo and Mark DeMaria)	
	Air quality/ Fires (Ken Carey and Shobha Kondragunta)	
10:30 am	BREAK	
10:45 am	Breakout sessions resume	
12:00 noon	LUNCH (on your own)	
1:30 pm	Highlights from each breakout group	Group representatives
3:00 pm	Closing remarks	Gerry Dittberner, NOAA/NESDIS
3:30 pm	Adjourn	

#### Acronyms:

AFWA	Air Force Weather Agency
ARH	Alaska Regional Headquarters
CICS	Cooperative Institute for Climatic Studies
CIMSS	Cooperative Institute for Meteorological Satellite Studies
CIOSS	Cooperative Institute for Oceanographic Satellite Studies
CIRA	Cooperative Institute for Research in the Atmosphere
CNMOC	Naval Meteorology and Oceanography Command
CWSU	Center Weather Service Unit
EPA	Environmental Protection Agency
EUMETSAT	European Organisation for the Exploitation of Meteorological Satellites
MSFC	Marshall Space Flight Center
NASA	National Aeronautics and Space Administration
NESDIS	National Environmental Satellite, Data, and Information Service
NMFS	National Marine Fisheries Service
NOAA	National Oceanic and Atmospheric Administration
NOS	National Ocean Service
NWS	National Weather Service
OAR	Office of Oceanic and Atmospheric Research
PFEL	Pacific Fisheries Environmental Laboratory
PPI	Office of Program Planning and Integration
UCAR	University Corporation for Atmospheric Research