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 2nd 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**

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<tr>
<th>Time</th>
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<tr>
<td>8:00 am</td>
<td>Registration/ continental breakfast (and poster set up)</td>
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<tr>
<td>8:30 am</td>
<td>Announcements (as necessary)</td>
<td>Jim Gurka, NOAA/NESDIS</td>
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<td>8:40 am</td>
<td>GOES Lightning Mapper Sensor</td>
<td>Hugh Christian, NASA/MSFC</td>
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<td>9:00 am</td>
<td>Supporting Space Weather Users with the Space Environment Monitor and Solar Imaging on GOES-R</td>
<td>Howard Singer, NOAA/OAR/NWS</td>
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<td>9:20 am</td>
<td>GOES-R GEO Microwave Sounder (GMS)</td>
<td>Mike Madden, Aerospace</td>
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<td>9:40 am</td>
<td>How GIFTS helped pave the way for HES</td>
<td>Paul Menzel, NOAA/NESDIS</td>
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<td>10:00 am</td>
<td>BREAK</td>
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<tr>
<td>10:20 am</td>
<td>Instrument Synergy</td>
<td>Jim Purdom, CIRA</td>
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<td>10:50 am</td>
<td>Future Integrated Satellite Architecture</td>
<td>Mike Crison, NOAA/NESDIS</td>
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<td>11:10 am</td>
<td>The Imager/Sounder Paradigm Revisited</td>
<td>Joe Criscione, Swales Aerospace</td>
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<td>11:30 am</td>
<td>LUNCH (on your own)</td>
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#### Session 3:  GOES-R as a component of the Global Observing System
**Co-chairs: Paul Menzel, NOAA/NESDIS and Jim Purdom, CIRA**

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<tr>
<td>1:00 pm</td>
<td>The Role Of Geostationary Environmental Satellites In The WMO Space Program</td>
<td>Don Hinsman, World Meteorological Organization</td>
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<td>1:20 pm</td>
<td>Meteosat Second Generation (MSG) Products</td>
<td>Ken Holmlund, Meteorological Operations Division, EUMETSAT</td>
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<td>1:40 pm</td>
<td>Plans For EUMETSAT’s Third Generation Meteosat (MTG) Geostationary Satellite Program</td>
<td>Rolf Stuhlman, Meteorological Operations Division, EUMETSAT</td>
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<td>2:00 pm</td>
<td>Routine Use of METEOSAT Rapid Scans</td>
<td>HansPeter Roesli, Swiss Meteorological Service</td>
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<td>2:20 pm</td>
<td>Plans for Japan’s Geostationary Satellite Program - Multi-Functional Transport Satellites</td>
<td>Hitomi Miyamoto, Meteorological Satellite Center, Japan Meteorological Agency</td>
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<tr>
<td>2:40 pm</td>
<td>BREAK</td>
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<td>3:10 pm</td>
<td>Plan of Geostationary Satellite (COMS) Program in Korea</td>
<td>Hyo-Sang Chung, Meteorological Research Institute, Korea Meteorological Administration</td>
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### Session 3: GOES-R as a component of the Global Observing System (Continued)

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

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 21st 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
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
Potential Applications of GOES-R Data in support of NOAA Fisheries Missions
Naval Research Applications for GOES-R data
Gulf of Mexico Coastal Marine Applications Using GOES-R Data
Coastal Ocean & Carbon Measurements From Geostationary Orbit
Animation of GOES images for the Detection of Ocean Features
Mapping ocean Surface from Sequential Surface Temperature Imagery

Rick Stumpf, NOAA/NOS
Cara Wilson, NOAA/NMFS/PFEL
Bob Arnone, NRL
Nan Walker, Louisiana State Univ
Janet Campbell, Univ. of New Hampshire
Richard Legeckis, NOAA/NESDIS
Bill Emery, Univ. of Colorado

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
Joint Ice Center Applications of GOES-R
Navy Ionospheric & Thermospheric Imaging from Geostationary Orbit
GOES-R Support to Aviation Route Planning
GOES-R Support for Volcanic Ash Avoidance
GOES-R Contributions Toward More Effective Combat Force Projection
GOES Data Collection System (DCS) in the GOES-R Era

Dick Crout, CNMOC
Dick Crout, CNMOC
Stefan Thonnard, NRL
Warren Rodie, NWS/CWSU
Paul Herzegh, UCAR
Brian Kabat, AFWA
Bill Brockman, Short & Assoc

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
GOES-R benefits for NWP
The NOAA Hydrology Program and its Requirements for GOES-R
GOES-R support to Future NWS Weather Applications
GOES-R support to Air Force Weather Applications
GOES-R support to US Army Weather Applications

Gary Hufford, NWS/ARH
Ralph Petersen, CIMSS
Pedro Restrepo/ NWS
Frank Kelly, NWS
John Zapotocny /AFWA
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