

Links

GOES-R and ABI

GOES-R Home Page

<http://www.goes-r.gov/>

GOES-R Proving Ground

http://cimss.ssec.wisc.edu/goes_r/proving-ground.html

COMET module on benefits of GOES-R

http://www.meted.ucar.edu/goes_r/envmon/

VISIT module: MODIS Products in AWIPS

<http://cimss.ssec.wisc.edu/goes/visit/modis.html>

EUMETSAT Image Gallery

http://www.eumetsat.int/Home/Main/Image_Gallery/index.htm?l=en

MODIS Rapid Response System

<http://rapidfire.sci.gsfc.nasa.gov/>

COMET module: Advanced Satellite Sounding: The Benefits of Hyperspectral Observation

http://www.meted.ucar.edu/npoess/hyperspectral/sounding_benefits/

Space Weather

Space Weather Prediction Center

<http://www.swpc.noaa.gov/index.html>

NOAA Space Weather Scales

<http://www.swpc.noaa.gov/NOAAscales/#RadioBlackouts>

GOES Solar X-ray Imager Greatest Hits

http://sxi.ngdc.noaa.gov/sxi_greatest.html

UCAR High Altitude Observer

<http://www.hao.ucar.edu/>

Lightning

SPoRT Short-term Prediction Research and Transition Center - Training

<http://weather.msfc.nasa.gov/sport/training/>

Lightning Mapping Array (LMA)

<http://weather.msfc.nasa.gov/sport/lma/>

Blogs

CIMSS Satellite Blog

<http://cimss.ssec.wisc.edu/goes/blog/>

VISIT Meteorological Interpretation Blog

<http://rammb.cira.colostate.edu/visit/blog/>

The Wide World of SPoRT

<http://www.nsstc.uah.edu/sportblog/>

References from the presentation:

Solar and Space Environment:

Hill, S., H. J. Singer, T. Onsager, R. Viereck, and D. Biesecker, 2008: GOES-R Solar and Space Environment Data Products: Benefiting Users. 5th GOES Users' Conference, the 88th AMS Annual Meeting, New Orleans, LA., 20-24 January.

http://ams.confex.com/ams/88Annual/techprogram/paper_135955.htm

Airlines and Polar Operations:

Stills, Michael, 2008: United Airlines Polar Operations. 5th GOES Users' Conference, the 88th AMS Annual Meeting, New Orleans, LA., 20-24 January.

http://ams.confex.com/ams/88Annual/techprogram/paper_135883.htm

Lightning:

Goodman, Steven J., E. C. Bruning, J. J. Gurka, R. Blakeslee, and D. Buechler, 2009: Satellite Proving Ground for the GOES-R Geostationary Lightning Mapper (GLM) Fifth Annual Symposium on Future Operational Environmental Satellite Systems- NPOESS and GOES-R, the 89th AMS Annual Meeting, Phoenix, AZ., 10-16 January (15 minutes)
http://ams.confex.com/ams/89annual/techprogram/paper_145737.htm

Goodman, Steven J., R. J. Blakeslee, and W. Koshak, 2008: Geostationary Lightning Mapper for GOES-R and Beyond. 5th GOES Users' Conference, the 88th AMS Annual Meeting, New Orleans, LA., 20-24 January.
http://ams.confex.com/ams/88Annual/techprogram/paper_129399.htm

ABI Overview:

Schmit, T. J., M. M. Gunshor, W. P. Menzel, J. J. Gurka, J. Li, and A. S. Bachmeier, 2005: Introducing the next-generation Advanced Baseline Imager on GOES-R. *Bull. Amer. Meteor. Soc.*, **86**, 1079-1096.

Snow detection:

Loss, G., D. Bernhardt, K. Fuell, G. Stano, 2009: An Operational Assessment of the MODIS False Color Composite with the Great Falls, Montana National Weather Service. 23 Conference on Hydrology. 89th AMS Annual Meeting, Phoenix, AZ 10-16 January, 2009 Poster 4.2
http://ams.confex.com/ams/89annual/techprogram/paper_147478.htm

ABI on GOES-R can produce sounder-like products:

Schmit, Timothy J.; Li, Jun; Gurka, James J.; Goldberg, Mitchell D.; Schrab, Kevin J.; Li, Jinlong and Feltz, Wayne F. The GOES-R Advanced Baseline Imager and the continuation of current sounder products. *JAMC*, 47, 2008, pp.2696-2711.

Other useful references:

Potential benefits of an advanced geo sounder:

Schmit, T.J., J. Li, S.A. Ackerman, J.J. Gurka, 2009: Geostationary High Spectral and Temporal Resolution Infrared Measurements. *J. Tech.*, accepted

Potential benefits of 1-minute data:

Schmit, T. J., R. M. Rabin, A. S. Bachmeier, J. Li, M. M. Gunshor, H. Steigerwaldt, A. J. Schreiner, R. M. Aune, and G. S. Wade, 2009: Many uses of the geostationary operational environmental satellite-10 sounder and imager during a high inclination state, *JARS*, Vol. 3, 033514.

Proving Ground:

Gurka, J., A. Mostek, T. JZ. Schmit, A. D. Miller, A. S. Bachmeier, and M. DeMaria, 2009: GOES-R Proving Ground Program Fifth Annual Symposium on Future Operational Environmental Satellite Systems- NPOESS and GOES-R, the 89th AMS Annual Meeting, Phoenix, AZ 10-16 January, 2009
http://ams.confex.com/ams/89annual/techprogram/paper_143796.htm

ABI:

Schmit, T. J, J. J. Gurka, M. M. Gunshor, and J. Li, 2008: The ABI (Advanced Baseline Imager) on the GOES-R series. 5th GOES Users' Conference, the 88th AMS Annual Meeting, New Orleans, LA., 20-24 January.

http://ams.confex.com/ams/88Annual/techprogram/paper_133101.htm

Training on the Horizon:

COMET modules:

Multispectral Imagery & Color Compositing for Meteorological Analysis

Toward an Advanced Sounder on GOES?

ABI WES case from CIMSS