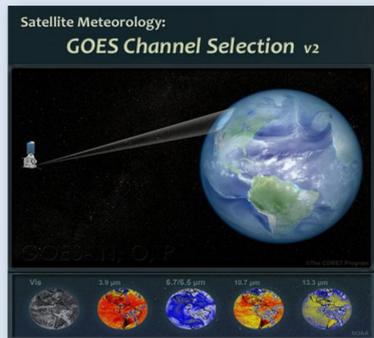


Satellite Meteorology Education Resources Freely Available from COMET

Patrick Dills, Wendy Abshire, & Marianne Weingroff, UCAR/COMET®, Boulder, Colorado

GOES-R & SUOMI NPP/JPSS MODULES



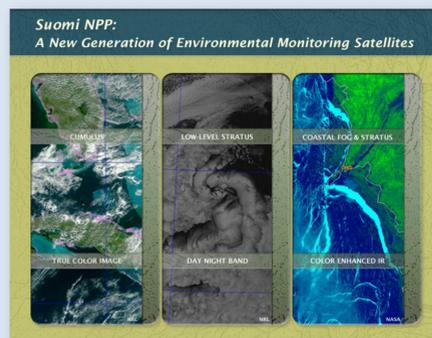
GOES Channel Selection, V2 (English & Spanish)

Reviews the five GOES imager channels and their use, incorporating visualizations and new imagery examples. Includes a new section on GOES-13, -14, and -15



GOES-R Benefits (English & Spanish)

Uses extensive visualizations to describe GOES-R advanced observing capabilities for supporting 13 key environmental application areas; also describes elements and services of the GOES-R program



NEW: Suomi NPP

Describes the mission, products, and instruments of this new satellite; also provides examples of how it detects and monitors Earth's climate, land and ocean surfaces, atmosphere, and space weather

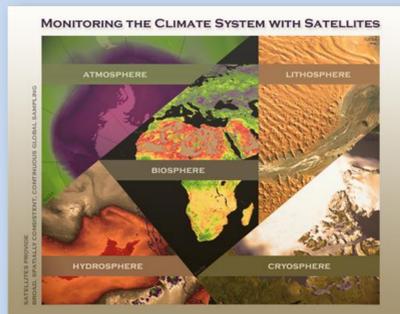


NEW: Imaging with VIIRS, 2nd Ed.

Introduces the VIIRS imager on Suomi NPP and future JPSS satellites, describing its enhanced capabilities; also highlights the new Day-Night Visible channel

Upcoming Modules:

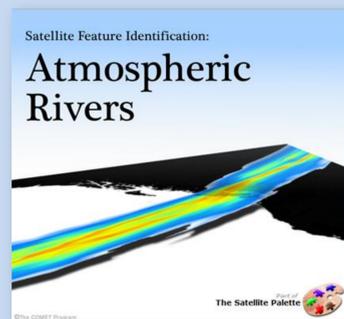
- GOES-R ABI imager
- VIIRS Day-Night Band
- Atmospheric Composition



Monitoring the Climate System With Satellites

Describes the unique role that satellites play in detecting and monitoring climate events at various spatial and temporal scales

NEW MODULES



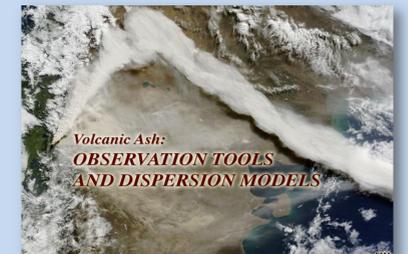
Atmospheric Rivers

Describes the global moisture transport phenomenon of atmospheric rivers, discussing how to identify and forecast them using satellite products and NWP



Atmospheric Dust

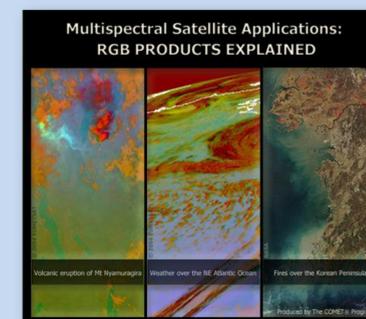
Aimed at an international audience, this module describes dust processes, the use of satellite products in dust detection and monitoring, and presents a dust forecast process



Volcanic Ash: Observation Tools and Dispersion Models

Covers tools and techniques used for identifying and forecasting the transport of volcanic ash, including satellite imagery and products

RECENT MODULES & COURSES OF INTEREST + THE ESRC



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