Preparing for the Next Generation of Geostationary Meteorological Satellites

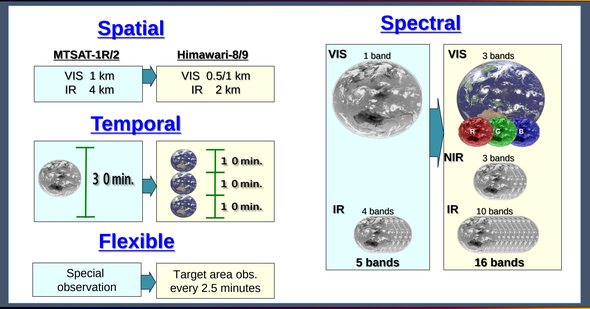
Dr. Hae-Yong Shin, Eric Baptiste, Wanping Yuan, Thomas Shultz, and Dr. Chris Skelsey

Enterprise Electronics Corporation, Enterprise, Alabama 36330 eric.baptiste@eecweathertech.com +1 334.470.6512

BACKGROUND

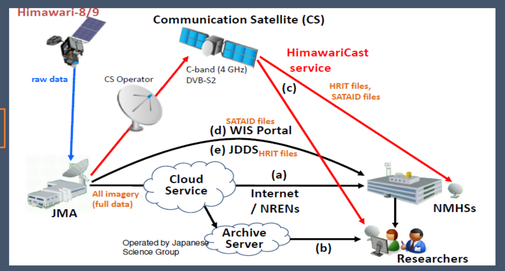
With the emergence of Himawari-8, upcoming GOES-R launch, and Geokompsat-2A and FY-4 on the horizon the user community is faced with the huge volume of data which put a s train on the current ground system infrastructure. The order of magnitude increase in sensor capability in terms of number of spectral channels , pixel resolution, and frequency of observation demand powerful and robust processing computers . In addition, users are and will have to deal with a large number of level-2 and higher products that need to be handled and digested in order to utilize these products efficiently and effectively in order to better serve the public. Enterprise Electronics Corporation, a giant in the weather radar business now offers satellite data reception and processing systems that are most advanced among its kind in a cos t effective way . The Proteus system is powerful, efficient, and user friendly to serve the new generation of satellite user community.

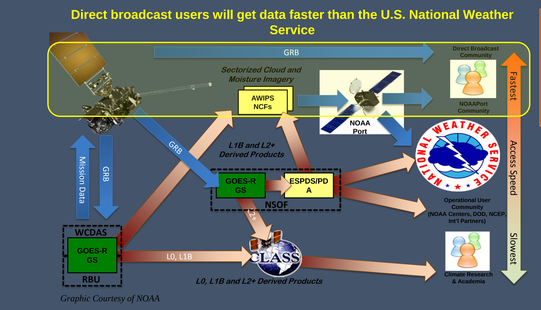
ADVANTAGE OF ABI AND AHI



Data Dissemination

Himawari-8




Direct broadcast users will get data faster than the U.S. National Weather Service
GRB
Sectorized Cloud and Moisture Imagery
AWIPS NCFs
NOAA Port
Direct Broadcast Community
NOAAPort Community
L1B and L2+ Derived Products
GOES-R GS
ESPDS/IPDA
NSOF
Operational User Community (NOAA Centers, DOD, NCEP, Int'l Partners)
Mission Data
WCDAS
GOES-R GS
RBU
LRIT
LRIT
LRIT