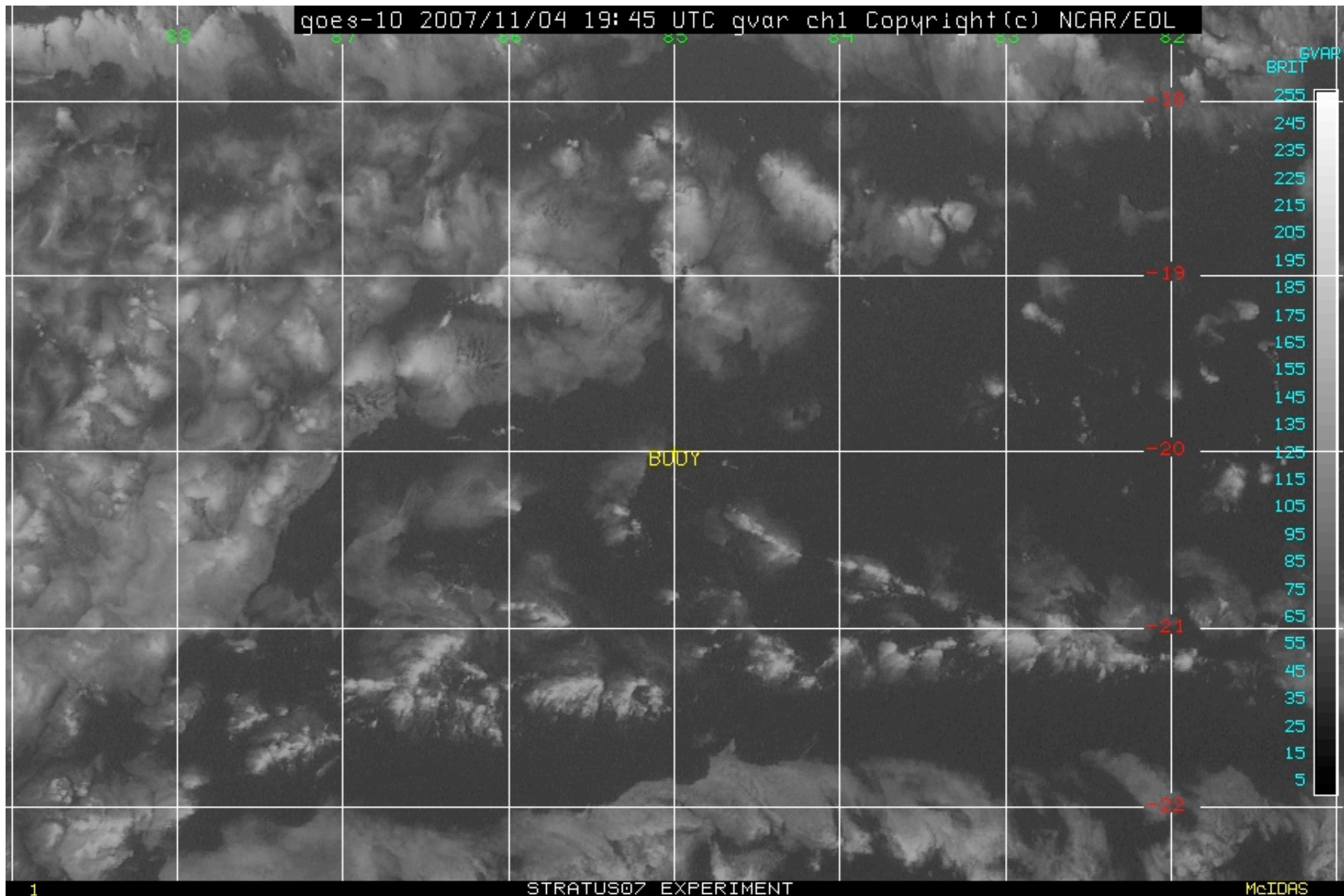


VOCALS Satellite products/data



Example of 1km res vis imagery centered on buoy at 20S, 85W

GOES-10 IMAGER SOUTH AMERICA SCAN SECTOR



Channel	Wavelength Range (Micrometers)
1	0.55-0.75
2	3.8-4.0
3	6.5-7.0
4	10.2-11.2
6	11.5-12.5

Table 1. Browse Products provided in the EOL Field Catalog (Near real-time)

Instrument	Channel/Product	Spatial Resolution	Temporal Resolution	File Format
GOES-10	1	1 km	15 min	gif (Image)
	3,4	4 km	15 min	gif (Image)
	Ch4-Ch2	4 km	15 min	gif (Image)
MODIS	1,2	250 m	As available	gif (Image)
	Color Composite	500 m	As available	gif (Image)
QuikSCAT	Winds	25 km	2x Daily	png (Image)
AVHRR	SST Composite	6 km	3 Day composite	gif (NESDIS)
DMSP SSM/I	Cloud Liq/Rain rate	Global Composite	Daily	png (Image)
MODIS	Chlorophyll-A	Global Composite	Daily	png (NASA)
Polar Orbiting	Overpass Times	-	-	Table
	Overpass Swaths	-	-	gif (Image)

Additional Products Required:

SeaWiFS Chlorophyll - satellite is provisional at this time

Sea-level Altimetry - need source information

TRMM Products - what products are needed?

Cloud Products - what products are needed?

Others?

Not mentioned in Questionnaire:

COSMIC

CALIPSO

CLOUDSAT

Table 2. Satellite Data Archived by JOSS

Instrument	Channel/ Product	Archived Resolutio n	Units	File Format	Comments
GOES-10	1	1, 4 km	Albedo	TDF	Raw data is not saved from GOES, only calibrated units. Is Format Conversion required? HDF? netCDF?
	2	4 km	Temp(C)	TDF	
	3	4 km	Temp(C)	TDF	
	4	4 km	Temp(C)	TDF	
	6	4 km	Temp(C)	TDF	
AVHRR	1-5	1 km	Raw	Level 1B	Data of Opportunity that are received from CLASS/Ron Brown?
DMSP-OLS ?	VIS, IR	550 m	Calibrated , Navigated	HDF, GeoTIFF?	Interpolated product from NGDC

Table 3. Other Satellite Data Archives		
Instrument	Archive Center	URL
MODIS	NASA/GSFC	http://modis-atmos.gsfc.nasa.gov
MISR	NASA/JPL	http://www-misr.jpl.nasa.gov
ASTER	NASA/JPL	http://asterweb.jpl.nasa.gov
SeaWiFS	NASA/GSFC	http://seawifs.gsfc.nasa.gov/SEAWIFS.html
QuikSCAT	NASA/JPL	http://winds.jpl.nasa.gov/missions/quikscat/index.cfm
COSMIC	UCAR	http://www.cosmic.ucar.edu
CLOUDSAT	CSU	http://cloudsat.cira.colostate.edu
CALIPSO	NASA/LARC	http://eosweb.larc.nasa.gov

Are there any other satellite needs?

