

ANCILLARY DATA

• OPTIONS ARE:

1) NCEP

- IT WILL BE OBTAINED FOR YOU

- YOU ARE RESPONSIBLE FOR UNPACKING, RESAMPLING

2) DAO

- ARCHIVE PRODUCT

- NEED TO START EVALUATING SCIENCE IMPACT OF NCEP VS. DAO

• WHAT IF ANCILLARY DATA NOT AVAILABLE?

UNDERSTAND AND PLAN FOR HDF-EOS

- IS IT A REQUIREMENT?
- WILL IT BE SUPPORTED BY MAPI?
- WHAT IS THE BENEFIT TO SCIENCE?
- TIMELINE FOR
 - AVAILABILITY TO US
 - INTEGRATION BY US

TEST PROCESS COMMUNICATION

- DEVELOPERS WANT TO KNOW TEST RESULTS (TIMELY)
 - STANDARDS VIOLATIONS
 - STATIC AND DYNAMIC CODE ANALYSIS (PRQA)
 - OBVIOUS WAYS TO IMPROVE EFFICIENCY
- MAKE SELECTED RESULTS AVAILABLE ON WEB

STABLE DEVELOPMENT PERIOD FOR V2

- TOOLKITS (PGS, MAPI)
SIMULATED DATA (1B, ANCILLARY,
FILESPECS)
- DECEMBER 1, 1996
- ALLOW TIME FOR DEVELOPERS
TO
 - INTEGRATE TOOLS/DATA/SPECS
(1-2 MONTHS)
 - WORK ON SCIENCE ALGORITHM
DEVELOPMENT
(4-5 MONTHS)

Satellite Imagery Visualization System

Works with:

- AVHRR 1-km and 4-km data in NOAA Level 1 B format
- MAS in HDF format
- Landsat (near future)
- GOES (we're considering it)

Functionality:

- with its internal "tile" format, the user can quickly move around in the image
- ingests NMC global gridded T,q,wind data
- will soon work with IAO GEOS assimilated data set
- displays data from static maps that provide elevation
land/water percentage
IGBP ecosystem map
- calculates viewing angles (solar zenith, viewing, relative azimuth, and scattering angles)
- provides probability of sunglint based on viewing geometry
- function to overlay lines, ellipses, circles, etc. (good for plotting aircraft flight tracks, seeing sonde stations)
- interact-me cloud mask utility
- has database utility for collecting samples for AI classification techniques
- also other utilities built specifically for use by CERES

Availability: Just released!

- URL: <http://mistral.larc.nasa.gov/~vasanth>
- Web page also contains user's guide, installation instructions, quick-start page, and more

MODIS Science Team Algorithm Developers Meeting Agenda

Wednesday October 9, 1996
University of Maryland Conference Center (see directions on Page 2)

Chairpersons: Kathy Strabala, Liam Gumley (Joe Glassy is unable to attend)

8:20	Introduction	<i>Chairs</i>
8:30	Tool for MODIS algorithm development <i>Satellite Imagery Visualization System</i>	<i>V. Tovinkere (LaRC)</i>
8:50	<i>Discussion</i>	
9:00	<i>Progress in algorithm science development</i> <i>MODIS Cloud Mask</i>	<i>K. Strabala (U. Wisc.)</i>
9:20	<i>Discussion</i>	
9:40	<i>Lessons learned from Version 1</i> <i>VI Algorithm Development Convolutions and Sighs</i>	<i>G. Riggs (GSFC)</i>
10:00	<i>Discussion</i>	
10:40	Break	
11:00	Plans for version 2 <i>Applying VI lessons learned to V2</i>	<i>M. Hopkins (MCST)</i>
11:20	<i>Discussion</i>	
12:00	Lunch	
1:00	SCF Hardware Plans <i>Planning for MODIS launch</i>	<i>L. Gumley (U. Wisc.)</i>
1:20	<i>Discussion</i>	
1:40	Ancillary Data <i>Review of MODIS Ancillary Data</i>	<i>R. Cember (SDST)</i>
2:00	<i>Discussion</i>	
2:20	Making our jobs easier <i>What can developers do to make SDST's job easier?</i>	<i>F. Patt (SDST)</i>
2:40	<i>Discussion</i>	
3:00	Closing Remarks	<i>Chairs</i>