MOcean Summary

VERY ENCOURAGED with approaches taken to ensure MODIS meets our challenging science requirements.

MOCEAN is fully committed to the Level 1 mission requirements. Success in achieving the SST and Polarization requirements, and Butler's Maneuver (BM) will enable MODIS and MTPE to address key ocean climate questions that are beyond the capability of in-situ and satellite observing systems presently available.

Trigger mechanisms for biennial oscillations and El-Nino.
Ocean-atmosphere couplings important to heat and moisture cycles.
Biological couplings in the Carbon system.

The Project and SBRS should be confident that we appreciate their extraordinary efforts to meet Level 1 requirements. You will receive our full support in justifying the necessary measures that may be required - funds, time, delays in other tasks, and risk.

SBRS (and MCST) need to be commended for their willingness to share preliminary results and discuss implications openly. The 'partnership' in striving to meet challenging requirements in pursuit of bold new science missions exemplifies Mr. Goldin's directions to NASA.

MOBY II Deployment September 14, 1996.

Data quality excellent.

Daily network transmission to SeaWiFS Project underway.

MOBY instrument is unique in being able to synthesize spectral band responses of any ocean color sensor.

Role in initialization of OCTS, SeaWiFS as well as MODIS.

Marine Aerosol Emission Reflectance Interferometer (M-AERI) fulfills the need in the TIR.

Together, these new in-situ instruments provide the corresponding leap forward for in-situ validation to complement the MODIS characteristics. Both are necessary to provide the key science observations discussed earlier.

Primary Productivity Round Robin 3 is underway.

MOD 27 V2 revisions reflect wkshop recommendations.

EOSDIS Concerns

The next big hurdle is assuring adequate post launch data flow.

MODIS Science Team needs to scruitinize projected at launch capability to get confidence that the baseline can meet our needs during the T&E phase.

QUALITY ASSESSMENT ROUND TABLE

W. Esaias, D. Roy, P. Fisher

Goal - Assess status of MODIS QA Plans

Provide impetus for fulfilling requirement? for a QA plan

Look for commonality of approach for L1B, L, O, A

QA Workshop Nov 6 - GSFC

Presentations

M. Jones - L1-B
P. Fisher - Land
R. Evans - Oceans
Atmospheres
R. Lutz - ESDIS
A. Fleig - SDST

Run-time and mandatory QA flag generation
Post-run time QA, and resetting flags
Facilities - Centralized, SCF, mix
Adaptation of ESDIS approaches resulting from QA plans

1. MODIS late in meeting requested draft plan due date.

2. Range of approaches to QA present in MODIS.
   Land - LDOPE facility at TLCF
   Ocean - Miami role, TLCF role
   L1B CROM

3. Agreement on basic, generic granule level metadata flag format may be possible.

4. Present V1 code & products contain flag - no great sizing issue.

5. Concern on readiness and complexity of post-production QA.
   Where, what fraction of granules will be examined,
   how this information is entered into the metadata data base.

6. Concern that complexity of developing the full up system may endanger DAAC performance during T&E phase. Data base integrity issues.

7. Suggest that ESDIS consider run-time only flags for L+6mos.
   Forgo retrospective flag changes until good information is available.