

## TOPICS

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- SeaWiFS/SeaStar Update
- EOS-Color Status
- International Satellite Ocean Color Project
- Coordination of US Ocean Color Activities
- New EOS Announcement of Opportunity
- Calibration/Validation Issues

**NEW EOS ANNOUNCEMENT OF OPPORTUNITY**  
(To be Released in July 95)

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-Inter-Disciplinary Investigations on Specific Oceanic Regions, Regimes, or Systems, for Instance:

- Indian Ocean
  - Equatorial Pacific
  - Eastern Boundary Currents
  - Major River Systems
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-Additional Members to the MODIS Ocean Team

- To Retrieve Water Composition in Coastal Zones (e.g., Regions Influenced by Fluvial Transport of Suspended Sediments, Organic Matter, etc.)
- To Estimate Primary Production on Monthly, Seasonal (even Shorter) Times Scales Using Models of Photosynthetic Activity

## CALIBRATION/VALIDATION ISSUES

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- Pre-Launch Evaluation of Algorithms
  - Need Dedicated Experiments with AVIRIS, MODIS Simulator, AOL, etc.
- Validation/Calibration System
  - Need to Establish a Global Network of Standard, Automated Instrumentation (Above- and Under-Water Measurements)

## COORDINATION OF US OCEAN COLOR ACTIVITIES

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- Interagency Working Group on Ocean Color  
Created (Kick-off Meeting on 10 April, 95)
  - Members are representatives of DOE, NASA, NOAA, NSF, ONR, and USGS
  - Objectives Are to Exchange Information, Coordinate Activities, Encourage Collaboration, and Enhance Complementarity of Ocean Color (and Related) Programs

## INTERNATIONAL SATELLITE OCEAN COLOR PROJECT

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- Combined Use of Ocean Color Data from SeaWiFS, OCTS, POLDER, MODIS, MERIS, GLI, etc.
  - Coordinated Calibration/Validation Activities
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-3-Day Workshop Convened in Miami in February 95 to Begin Formulation of Costed Inter-Calibration and Data Merger Plan - Final Version Due at HQ by 17 May 95

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The Plan will Need to Be Approved by Scientific Programs (IGBP, GLOBEC, etc.) and Endorsed by CEOS, which will Be the Focal Point for International Agreements on Data Exchange and Distribution - An Interagency Advisory Board will Coordinate Activities in the US, Make Financial Decisions, and Transfer Funds to a US Project Office, which will Execute the Tasks of the Project.

## EOS-COLOR STATUS

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-On 25 October 94, NASA's Associate Administrator for Mission to Planet Earth decided:

- Not to Pursue Color Instrument on Landsat-7
- To Proceed with Procurement Process
- To Pursue Other Flights of Opportunity

-Several Possibilities:

- If SeaWiFS Mission is Successful, then Enhanced Calibration/Validation Effort
- If SeaWiFS Mission Fails, then either Alternate Flight Approach or Enhanced Calibration/Validation Effort

-Final Determination of How to Provide Ocean Color Data in the future will be made after SeaWiFS Data Assessment

## SEAWIFS/SEASTAR UPDATE

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- Spacecraft Integration Completed
- Environmental Testing Started
- APEX (SeaStar Sister Spacecraft) Working Nominally
- Critical Areas:
  - Flight and Ground Software
  - PEGASUS XL Fin Motors
  - On-Board Computer
- Launch Manifest:
  - 27 MAY 95, STEP-3 (USAF)
  - 7 July 95, TOMS (NASA, Code Y)
  - 9 August 95, FAST (NASA, Code S)
  - 25 September 95, SeaStar (NASA, Code Y),  
REX-2 (USAF),  
SAC-B (NASA, Code S)  
SWAS (NASA, Code S)

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-Present HQ Position: Launch SeaStar at Earliest Opportunity once OSC Demonstrates Readiness