Progress of IOCCG Operational Ocean Colour Working Group

Christopher Brown
National Oceanic & Atmospheric Administration

10th IOCCG Committee Meeting
19-21 January 2005
Margarita Island, Venezuela
Membership

- C. Brown (NOAA; Chair)
- I. Asanuma (Jamstec)
- N. Hoepffner (JRC)
- J. Marra (LDEO)
- F. Shillington (U. Cape Town)
- T. Tanaka (NASDA)
- Others have participated
Goals of Working Group

- Promote the use of NRT ocean color products;
- Facilitate the exchange of ocean color applications; and
- Assist in the exchange of ideas and approaches among agencies that currently possess or will establish an operational ocean color mission.
- Write “Why Ocean Color” report
Status of Report

• Plan of Action Submitted Feb 2004
  – Specific instructions to authors
  – Deadlines
  – Time Table
<table>
<thead>
<tr>
<th>Dates</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>February 23, 2004</td>
<td>Information to potential contributors</td>
</tr>
<tr>
<td>April 1, 2004</td>
<td>Contributors selected, their contributions confirmed / assigned and schedule established</td>
</tr>
<tr>
<td>August 1, 2004</td>
<td>Contributions due</td>
</tr>
<tr>
<td>October 1, 2004</td>
<td>Draft of report complete and submitted to IOCCCG members for review</td>
</tr>
<tr>
<td>November 1, 2004</td>
<td>Comments of report due</td>
</tr>
<tr>
<td>December 31, 2004</td>
<td>Final draft of report complete</td>
</tr>
</tbody>
</table>
Status of Report – Con’t.

• Several Contributions Received

• Awaiting Others
  – I. Robinson, F. Shillington

• Compilation of information initiated

• Report not complete – behind schedule
Status of Report – Con’t.

• I apologize for the delay in the report’s publication
• Request one more chance
• Difference with previous years:
  Submission of draft report
  – Included in my NOAA performance plan: 
    *Due: June 30, 2005*
  – Division level milestone
# Proposed New Time Table

<table>
<thead>
<tr>
<th>Dates</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>February 1, 2005</td>
<td>Updated information sent to contributors</td>
</tr>
<tr>
<td>April 29, 2005</td>
<td>Remaining contributions due</td>
</tr>
<tr>
<td>June 30, 2005</td>
<td>Draft of report complete and submitted to working group members for review</td>
</tr>
<tr>
<td>September, 2005</td>
<td>Workshop convened to finalize draft</td>
</tr>
<tr>
<td>October 31, 2005</td>
<td>Final draft of report complete and sent to all IOCCG members for review</td>
</tr>
<tr>
<td>November 30, 2005</td>
<td>Comments of report due</td>
</tr>
<tr>
<td>December 18, 2005</td>
<td>Final report complete and sent to IOCCG for publication</td>
</tr>
</tbody>
</table>
IOCCG Actions

• Approve
  – extension
  – modified time table
  – funding for workshop
Operational Ocean Color

Definition:

Providing useful data products and information derived from satellite ocean colour sensors on a continued basis for its use in routine applications related to resources, environment and climate studies by local, state and federal governments, commercial entities, academic institutes, non-governmental agencies and public at large.
Components of Operational Ocean Color

- Sensor Calibration
- Data Acquisition
- Image Processing
- Product Development
- Product Verification
- Product Distribution
- Application
- User Feedback
- Archive
Attributes of Operational Ocean Color

- Real-time remotely sensed and in-situ data
- Quality control of observational data sets and models
- Real-time dissemination of information
- User feedback mechanisms
- Archival of observations and model output
- Diverse basic and applied research enterprise
- Highly trained and educated workforce

*Basic Framework drawn from meteorological analogue*