

**LA 3-6011-0446**

**2003 CAP Metadata Implementation Project**

**Interim Report**

**Development of FGDC-format Metadata to Accompany High Resolution Satellite-based Coastal Ocean Products for a Diverse User Community**

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SUBJECT:

**ACCOMPLISHMENTS:**

Excellent progress has been made toward meeting the goals of this project. The satellite SST seasonal climatologies have been generated from the 1985-2001 time series data and converted into 8-bit GeoTIFF files for inclusion in the National Atlas. The corresponding metadata record is 95% complete and requires only a few minor edits before the data, metadata and documentation are shipped to the National Atlas (see Deliverable Calendar Below). Monthly climatologies for SST have also been generated and work on their metadata is underway.

**NEXT STEPS:**

Completion of the metadata record for the seasonal SST climatologies is the next step, followed by the metadata record for the monthly SST climatologies and time series data. See the following calendar of deliverables.

**ESTIMATED DELIVERABLE CALENDER:**

1. Four Seasonal SST climatologies (4 km NODC/RSMAS AVHRR Pathfinder v.5.0 1985-2001 base period) HDF and derived GeoTIFF files, associated FGDC metadata to National Atlas  
- May 15, 2004
2. Monthly SST climatologies (HDF and derived GeoTIFF files), associated FGDC metadata to National Atlas  
- June 30, 2004
3. FGDC metadata for time series SST in NODC accession system(1985-2001 base period; as grouped by daily, 5-day, 7-day, 8-day, monthly, and yearly)  
- July 2004
4. Seasonal Chlorophyll-a climatologies with accompanying FGDC metadata to National Atlas  
- August 2004

Final report - September 2004

COMMENTS:

"Deliverable" refers to the accession, archival, and availability of the described data and products through an online server. These data and products will initially be made available through the NOAA National Oceanographic Data Center's Ocean Archive System, NOAA Server, and the Department of Interior's online National Atlas.

Discussions were held with staff of the National Atlas to resolve how to best produce .GeoTIFF files in a format suitable for the online Atlas. Initially, 16-bit .GeoTIFF files were produced from the .HDF data. It was agreed by both National Atlas and the PIs to further process these to 8-bit .GeoTIFFs for more general/online use. All processes will be documented in the FGDC metadata.

[The data and metadata were delivered to the National Atlas in 2004 – Gita Urban-Mathieux.](#)