

Satellite Oceanographer – Silver Spring, MD

Position Description

Will support the development, ingest, archival, access/usage and sustained quality of satellite-based observational data products. Will support generation and reprocessing of space-based Climate Data Records (CDRs), which as a goal, assures scientific stewardship for Sea Surface Temperature (SST) products and other ocean products such as ocean color, ocean surface topography, and marine winds. Specific duties will be to:

- Integrate related *in situ* data and match-up databases into CDR product generation systems; develop and implement processes, methods, tools, and systems to improve CDR product generation and the completeness and quality of the data and of the metadata.
- Support the integration of the CDR products in NODC web portals, databases, and other data management systems including content management and updates.
- Work with data consumers and providers to understand community requirements for data and data systems and work to optimize usage of the data and efficiency in archive operations; ensure that user requirements and recommendations are factored into next generation CDRs.
- Document and describe product and product generation systems on web sites, in user manuals, and in other related forms.

Required Skills

5 years knowledge, understanding, and experience with the generation of satellite-based SST products such as AVHRR Pathfinder SST, MODIS SST (Terra and Aqua), and products from the international Group for High Resolution SST (GHRSSST). Need an understanding of the oceanographic phenomena related to satellite CDR product generation and match-up database implementation and experience designing and implementing workflow processes to manage the production of large volume satellite datasets.

Knowledge of metadata including ISO19115 and FGDC standards w/remote sensing extensions; familiarity with netCDF-3 and 4, and HDF-4 and 5 formats, and the Climate and Forecast (CF) attribute conventions; and experience in time series analyses and other statistical analyses. Computer skills should include UNIX/Linux environment; Workflow management, C/C++, MATLAB, Java.

Good communication skills and demonstrated team effectiveness required.

Education

MS in Physical Oceanography, Marine/Ocean Science, Remote Sensing, Atmospheric Science, Engineering (fluid dynamics), Physics or Mathematics, or related discipline.

Submit resume to ERT's Career Opportunities Web Page at:

<http://tbe.taleo.net/NA8/ats/careers/searchResults.jsp?org=ERT&cws=1>

Earth Resources Technology, Inc. (ERT)

ERT is an equal opportunity employer.