



A real-time, high-resolution SST analysis using GHRSSST-PP products

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A global, real-time, high-resolution SST (sea-surface temperature) analysis system has been set up. The system is designed to make use of the real-time dataset provided by the GHRSSST-PP(*) project. The system is a stand-alone version of one used in the FOAM(**) ocean analysis system, which is an iterative solution to optimal interpolation. Daily analyses are produced at 1/20 degree resolution globally.

Results will be presented for a one-month test period in February 2005. For these initial tests, the data from the Medspiration project will be assimilated. This is the European arm of the GHRSSST-PP project and provides coverage of the Atlantic and connected seas. Results will include verification against withheld observations, comparison with other SST analysis products and a comparison with the same analysis system run at lower resolution.

(*) GODAE (Global Ocean Data Assimilation Experiment) High-Resolution Sea-Surface Temperature - Pilot Project

(**) Forecasting Ocean Assimilation Model