



A high resolution analysis of sea-surface temperature

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Data from the (A)ATSR series is being combined with data from the AVHRR series to generate high resolution maps of sea-surface temperature. The coverage of the AVHRR instruments is far greater, but the dual-view technique used by the (A)ATSR instruments is expected to give more accurate results. Combining the two sources of data poses some challenges. Here, a high resolution (one sixth of a degree) optimal interpolation algorithm is used. The analyses will be able to resolve the structure of boundary currents and provide information on their medium term (1992 to present) variability which will be of use for validation of high resolution ocean models and for diagnosing oceanic variability.