

GHRSSST Science activities and its interest in SST measurements from drifting buoys

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The Group for High-Resolution Sea Surface Temperature (SST) (GHRSSST) provides a new generation of global high-resolution (<10km) SST products to the operational oceanographic, meteorological, climate and general scientific community. The GHRSSST global processing systems operate by combining several complementary satellite and in situ SST data streams together and deliver integrated SST products with supporting data in a common netCDF format.

Several working groups concentrate on the science frontiers related to SST, of which especially the Diurnal Variability working group (GHRSSST- DVWG) and the SST Validation working group (GHRSSST-STVAL) have special interest in the drifting buoy measurements. As further progress with improving the satellite retrievals is currently limited by the accuracy and resolution of the in situ observing system, GHRSSST is interested in improving the drifting buoy system with respect to accuracy, resolution and pre-deployment calibration system monitoring.
