

Recommendations from the Workshop on High-Resolution Marine Meteorology

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Thirteen recommendations from the "Workshop on High-Resolution Marine Meteorology" will be presented to the international community. The workshop was held from 3-5 March 2003 at the Center for Ocean-Atmospheric Prediction Studies (COAPS) in Tallahassee, Florida. The primary workshop goals were to identify scientific objectives that require high-resolution (sampling interval ≤ 1 hr.), high-accuracy marine meteorological observations and to discuss a sustained U.S. effort to obtain and disseminate these data in a manner consistent with the identified scientific goals. The workshop focused on *in-situ* marine meteorological observations from ships and buoys. Participants from U.S. government agencies, the university community, and two international marine institutes discussed data accuracy, calibration and inter-calibration, improved access to quality-assured, high-resolution observations, and a sustained observing system to meet short- and long-term science objectives. Participants noted that only a few ships and buoys can determine air-sea fluxes to the accuracy needed for climate studies. Research vessels are capable of providing the highest quality data; however, this resource is not effectively utilized and data essential to climate studies are being lost.