**OCEAN COLOR DATA RECORDS WITH UNCERTAINTIES FOR NASA MEaSUREs**

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The NASA MEaSUREs (Making Earth System Data Records for Use in Research Environments) project emphasizes the development of Earth System Data Records (ESDRs) to study the Earth system processes, variability and trends and for use in modeling efforts. As part of MEaSUREs, we are developing a set of ocean color products that are not currently available through NASA or other space agencies. Most of these datasets will also have an associated pixel-by-pixel uncertainty product. The products that have been or will be developed for MEaSURES use data from SeaWiFS, MODIS-AQUA and MERIS and include a merged chlorophyll product from each sensor operational product, a one-stop-shop reflectance product that combines the level-3 reflectance from the three sensors (19 bands), a model-based merged reflectance product and several high spatial resolution regional products from the combination of level-2 data. The data and uncertainty products are processed and distributed by ERI at UCSB for evaluation by the community. The MEaSUREs ocean color products that are currently available and future products are presented.

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