**ICOADS Value-Added Database (IVAD)**

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The International Comprehensive Ocean-Atmosphere Data Set (ICOADS) Value-Added Database (IVAD) project will be described, highlighting its role in improving observational data for climate studies. The presentation will provide an overview of the IVAD project, with a focus on the role IVAD has in providing expert-developed adjusted data values (e.g., bias or height corrections) and uncertainty estimates for ECVs to the climate community. IVAD is designed to allow experts to add adjustments to individual marine reports in ICOADS and provides a mechanism for the adjustments to be served to the public alongside the original ICOADS marine reports. The IVAD concept will allow future developers of air-sea exchange products, satellite retrieval algorithms, and reanalyses to easily apply community-developed adjustments to individual marine reports without the need to locate numerous manuscripts and apply individual data adjustment algorithms.

Distribution of IVAD records is made possible by enhancing the ICOADS underlying international marine meteorological archive (IMMA) data format to include unique identifiers on each record and the capability to add a documented IVAD specific attachment, where required. Development of IVAD records will be described, including those for diurnal ship heating biases in air temperature, estimated wind corrections, and enhanced cloud reports. Plans to distribute these initial IVAD records within the framework of release 3.0 of the ICOADS, to be published in 2016, will be provided.