

SeaFlux (In Situ) Validation Data

Data is contained in “SeafluxValData_gewex.mat”. Data loads into a structure named “insitu” . The “SeafluxValData.mat” does not use GEWEX data to fill in missing radiative fluxes, and thus has NaNs for all those values. The variables names and units are as above. The variable “experiment” contains unique experiment ids for all in-situ sources. The id names for experiments numbered 1-125 can be found in “experiment_names.mat” which is a cell array of character strings. While names are associated with each of the R/V, WOCE data sources, only numbers have been given for data from any of the PMEL buoys (TAO/TRITON/PIRATA/KOE). In the future more exact names will be given such as TAO_0n_110w. However, each buoy is given a unique id number so it should be relatively easy to subset in conjunction with knowing the longitude/latitude of the buoy in interest. Missing radiative fluxes were again filled with GEWEX-SRB data. The sources of the R/V and WOCE data come from a variety of sources and have been provided to the SeaFlux project for use in the SeaFlux intercomparison project. Some of the data were not explicitly provided to the SeaFlux intercomparison but were found from web searches for available data archives. These data can be found at <http://uop.whoi.edu/archives/dataarchives.html> as part of the WHOI upper ocean processes group.

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