# Calibration and Validation Framework for Errors in All Products

GTS buoy COARE3 SHF and LHF PDFs
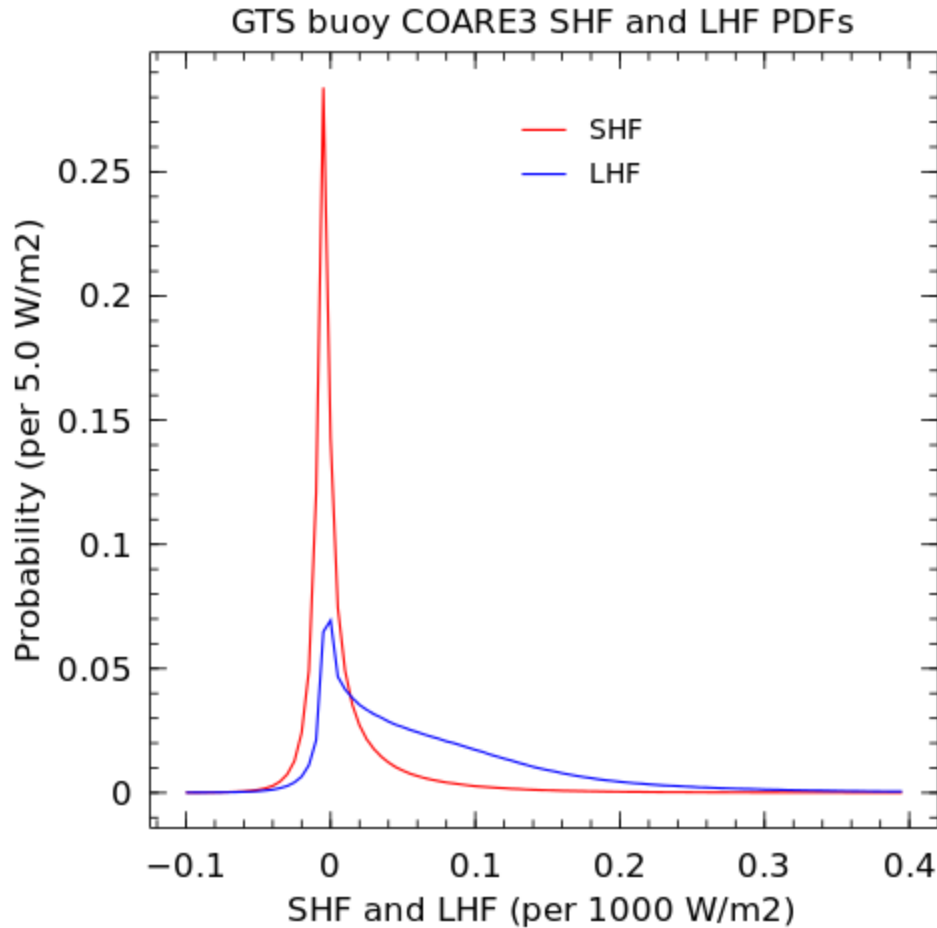


- about 5 million moored buoy observations available for 1999-2009 including all basic variables (no waves):

  slp, wdir, wspd, at, dpt, sst

- COARE 3/4 applies (initially v2.6, so excluding the cool skin, wave, rain corrections)
- no cage (regional) distinction yet
- daily averaging must be applied to compare to standardized products
- interpolation of products to mooring locations underway
- independence requires interpolation from outside correlation length scale of buoy impact (first experiment to apply linear interpolation across 2-4 day window, followed by local spectral interpolation)
- Three independent datasets required: buoys and analyses plus a third: either a pure satellite or a forecast product (with no interpolation); otherwise temporal interpolation of two analyses will be applied