

S5T2

HadISDH.ocean: A new multi-variable marine humidity product for climate monitoring

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Marine near-surface humidity in the form of specific humidity can be monitored using the in situ based NOCSv2.0 product, reanalyses and also satellite based microwave sensors. There are considerable differences between the different types of product and also within those types. The new HadISDH.ocean in situ based product is designed as a sister monitoring product to HadISDH.land, presenting gridded estimates for several humidity variables from 1973 onwards. It is largely methodologically independent from the NOCSv2.0 product allowing exploration of structural uncertainty in in situ based products. Here we present the main climatological features of the new product, methodological differences from the existing products and steps underway to improve bias correction and uncertainty estimation.

Oral

- **Reconstructing past climates (products)**