



Application of a new gridding method to ARGO data

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A new interpolation method (AMLOK) is applied to North Atlantic temperature and salinity data from the ARGO program. AMLOK does not need any additional oceanographic information. Instead it transforms the kriging correlation ellipses into more sophisticated correlations and the assumption of stationarity is reduced to the local environment. Here we present horizontal temperature and salinity fields created by various interpolation procedures. The main result is that AMLOK produces reasonable distributions from significantly coarser data sets than more frequently used gridding methods.