

DVWG initial report



*2015 GHRSST Workshop
Noordwijk, The Netherlands
24 July 2015*



Recommendations from NASA SSTST

- Continue/expand research into development of diurnal warming models and analysis of satellite observed diurnal warming
- Continue and expand research into the role of penetrating radiation and its relationship to available optical properties in the water column.
- Improve specification of diurnal model uncertainty
- Perform additional field observations of diurnal warming events.
- Develop/enhance links with other communities with interests in diurnal warming such as the ocean color and the meteorological communities.



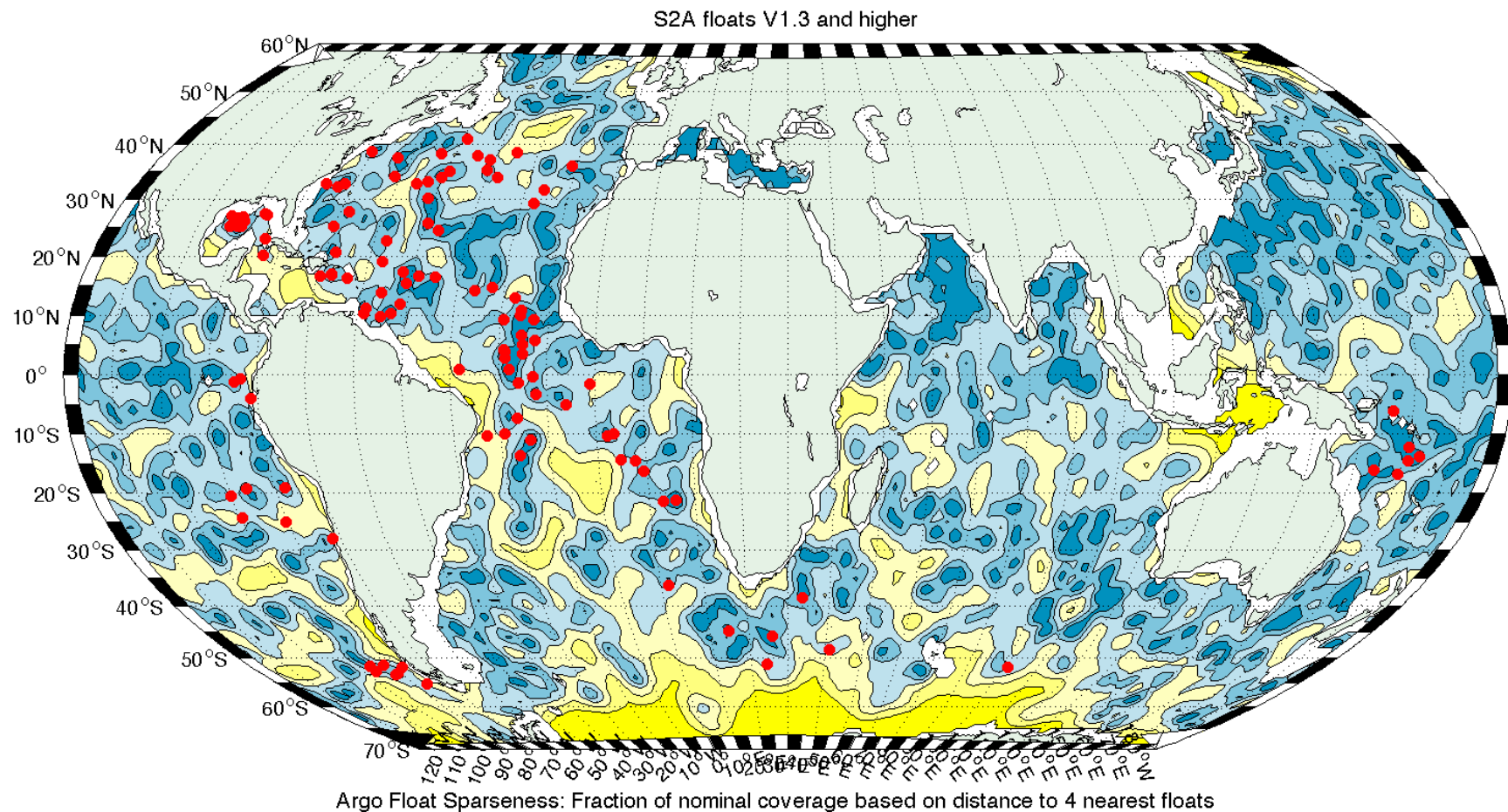
4 Areas for Next Year's Focus

- Evaluate uncertainties in current diurnal warming models
- Evaluate uncertainties in current diurnal warming parameterizations
- Evaluate uncertainties caused by insufficient absorption profile information
- Evaluate uncertainties in diurnal warming calculations caused by surface flux uncertainties

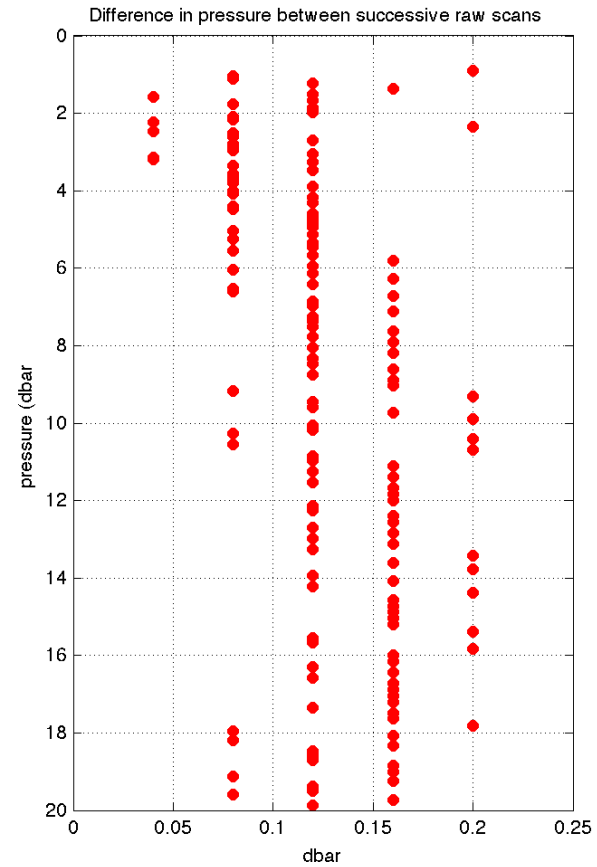
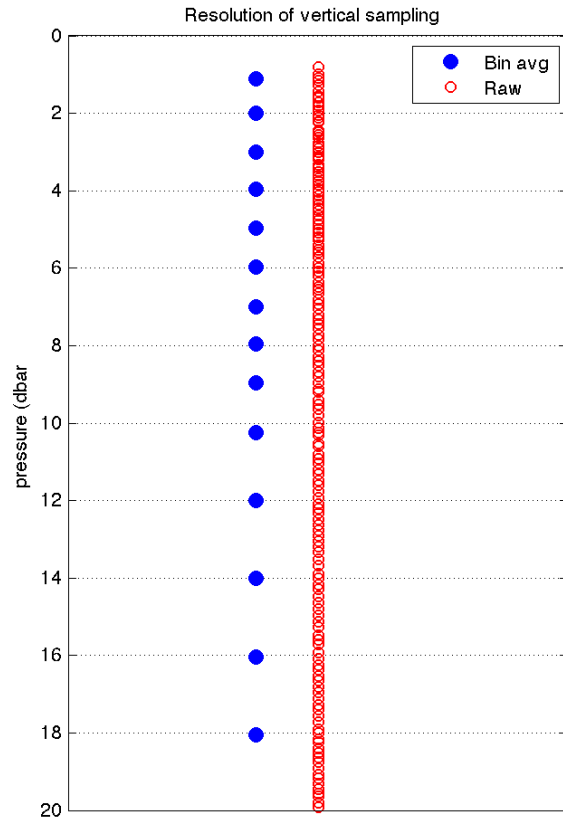
Next Year's Activities

- Virtual or real (Rome?) working meeting in November time frame
 - AI identified to be completed before that time
 - Goal is to make a start at processing of data for various uncertainty estimates
- Meeting in February associated with AGU Ocean Sciences
 - Processing to be completed by this time
 - Meeting to flesh out draft papers
- Goal: at least draft of the papers covering the areas described

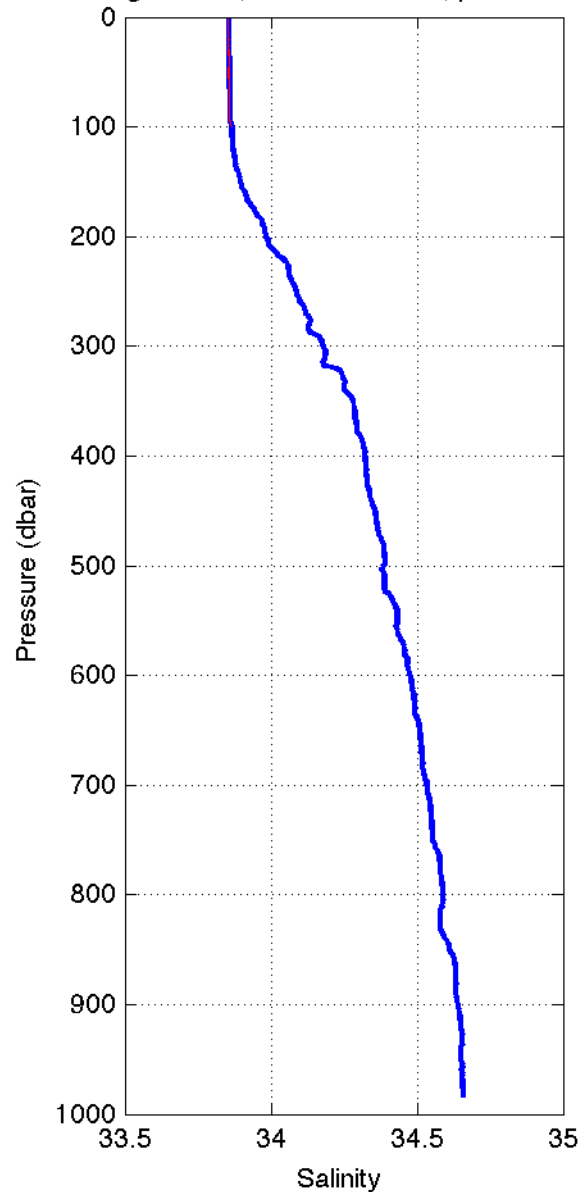
WHOI Argo floats



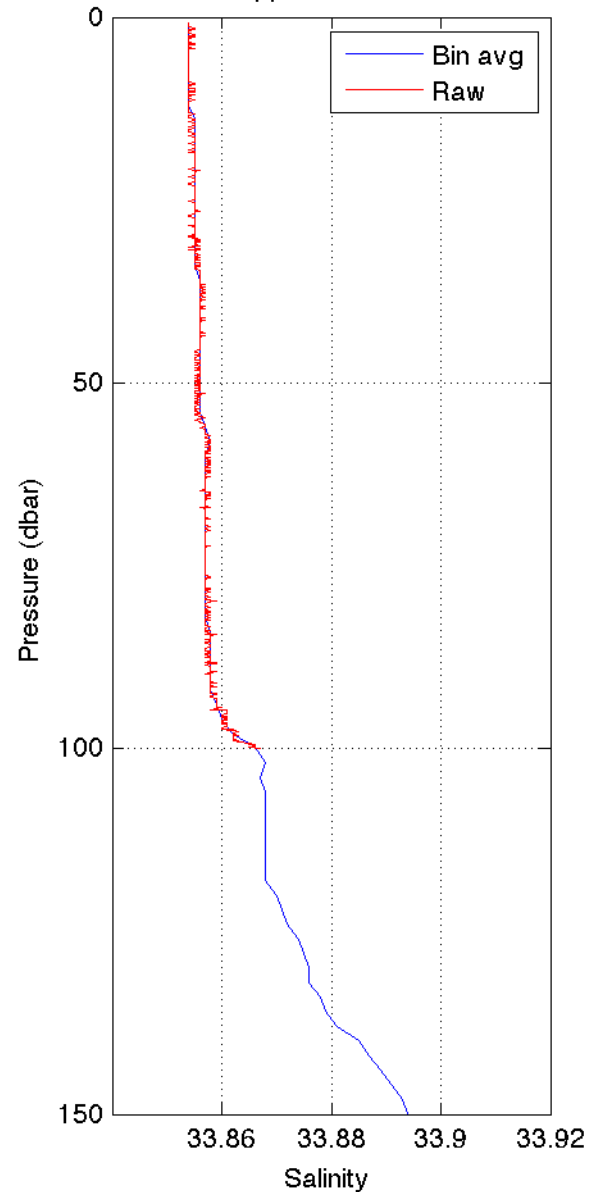
Argo High Resolution



Argo Profile, WMO 1901663, profile 217



Upper 150 dbar



Upper 20 dbar

