

# WMO 3901808 - OWC Summary Plots

DMQC Operator: Sachiko Yoshida  
 Date: 02-Jun-2022 10:31:37  
 Config File: cow\_config\_sm.txt

WMO Boxes: wmo\_boxes\_ctd21argo21.mat  
 Historical Argo: ARGO\_for\_DMQC\_2021V03\_1XXXX.tar.gz  
 Historical CTD: CTD\_for\_DMQC\_2021V02\_1.tgz

## Map Scale

Longitude: 1° / 2°  
 Latitude: 0.5° / 1°  
 Age: 5yrs / 10yrs  
 PV: 0  
 SAF: 0

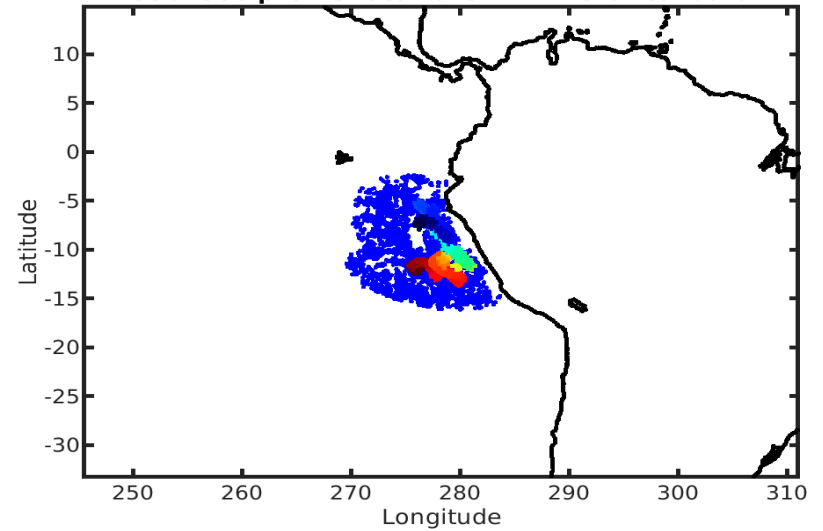
## OWC Parameters

Pressure: : 1000 < pres < --  
 Theta: -- < theta < --  
 Breaks: 100 150

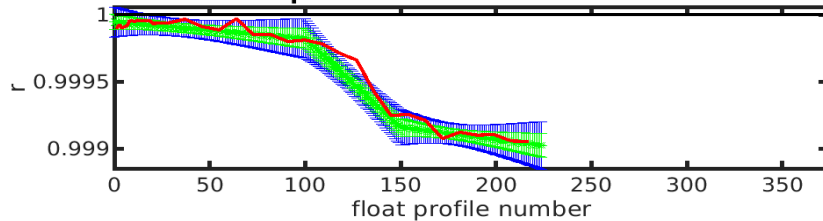
## Output

Pcond factor: [0.99902 - 0.99994]  
 Salinity Offset: [-0.037778 - -0.0021646]

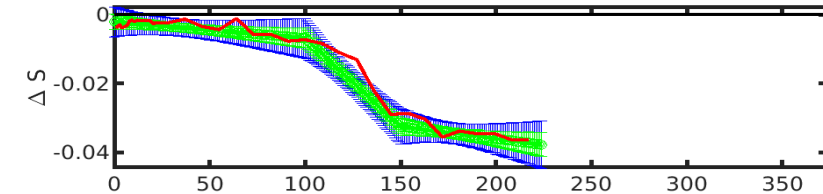
3901808 profile locations with historical data



3901808 potential conductivity (mmho/cm) multiplicative correction r with errors

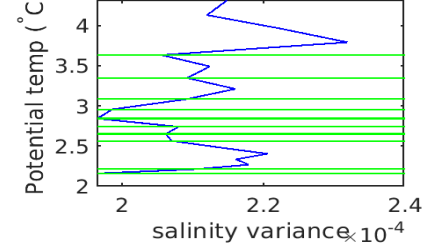


3901808 vertically-averaged salinity (PSS-78) additive correction ΔS with errors

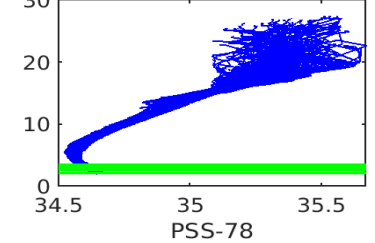


float profile number - blue: 2xcal error; green: 1xcal error; red: 1-1 profile f

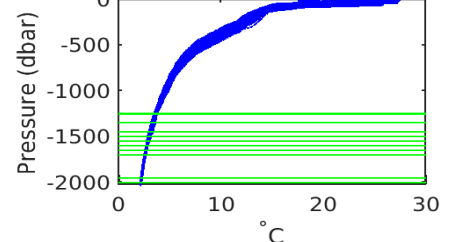
Salinity Variance on Theta



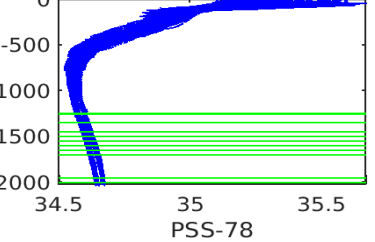
OW chosen levels -3901808



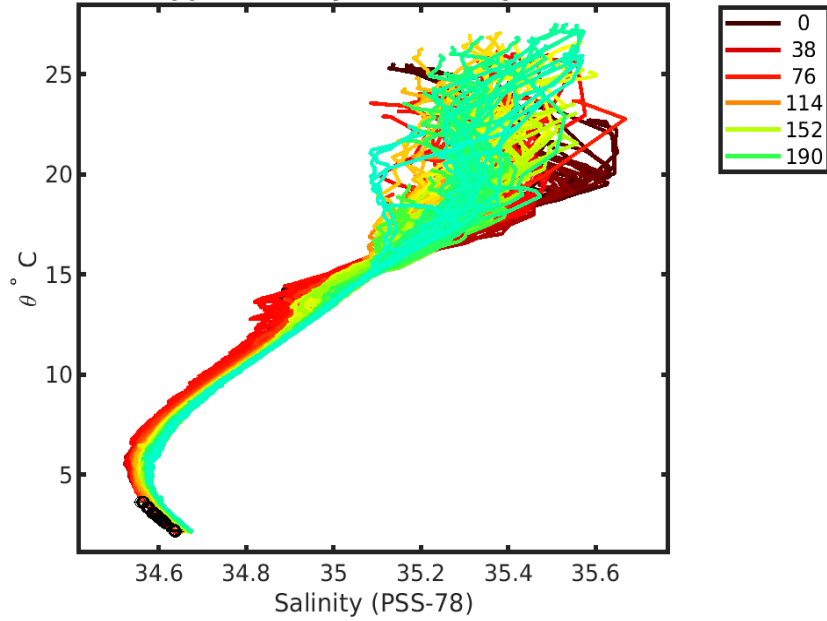
OW chosen levels -3901808



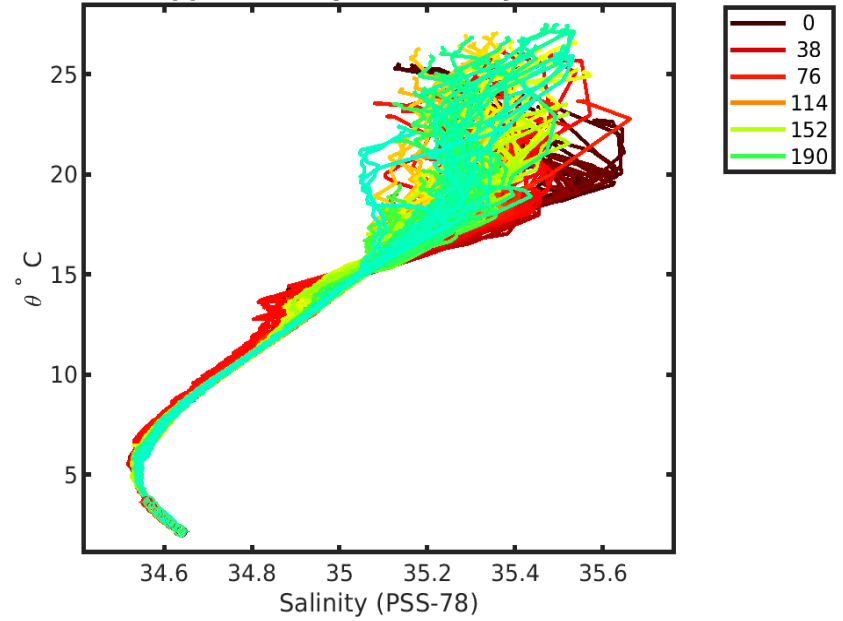
OW chosen levels -3901808



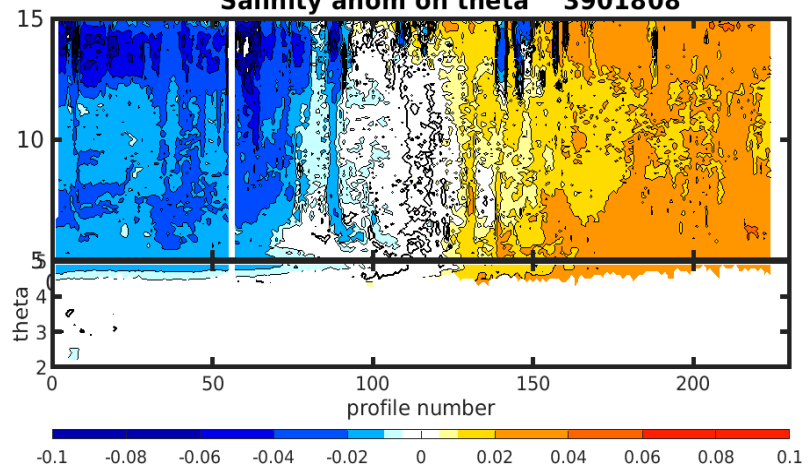
**3901808 uncalibrated float data (-)  
and mapped salinity (o) with objective errors**



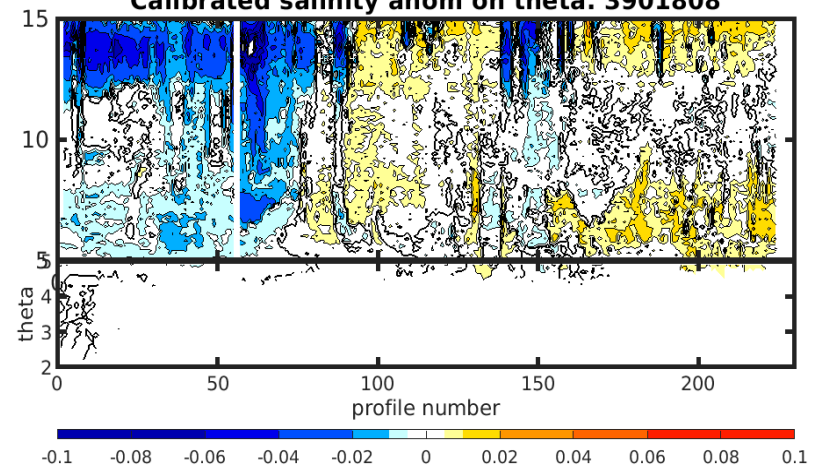
**3901808 calibrated float data (-)  
and mapped salinity (o) with objective errors**

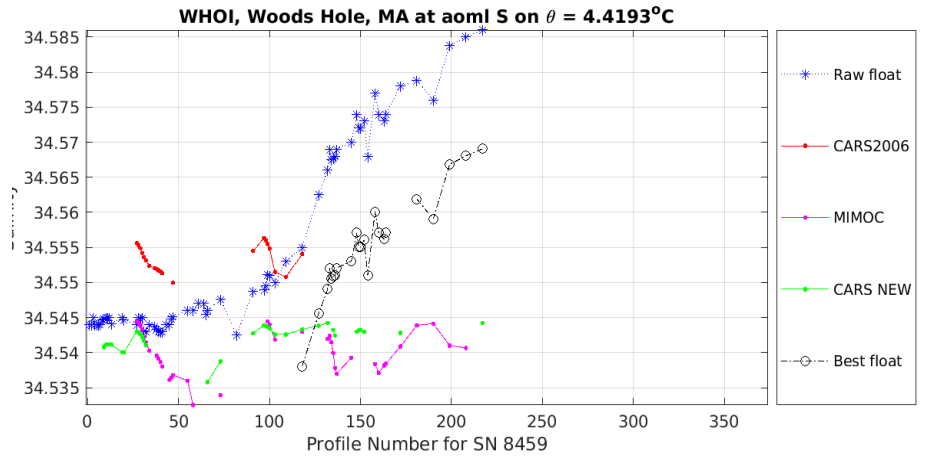
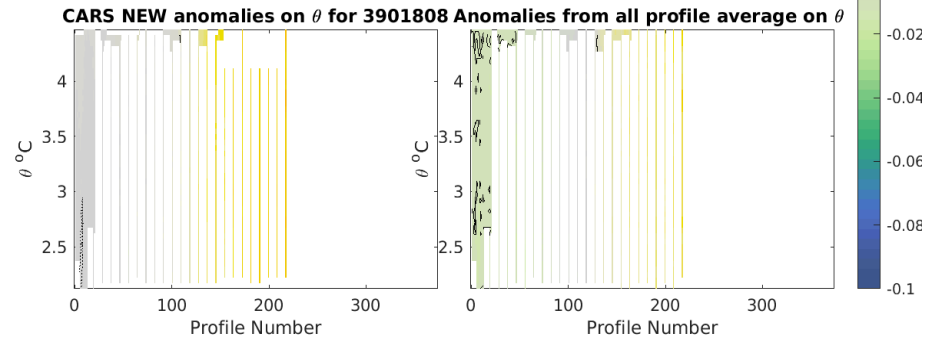
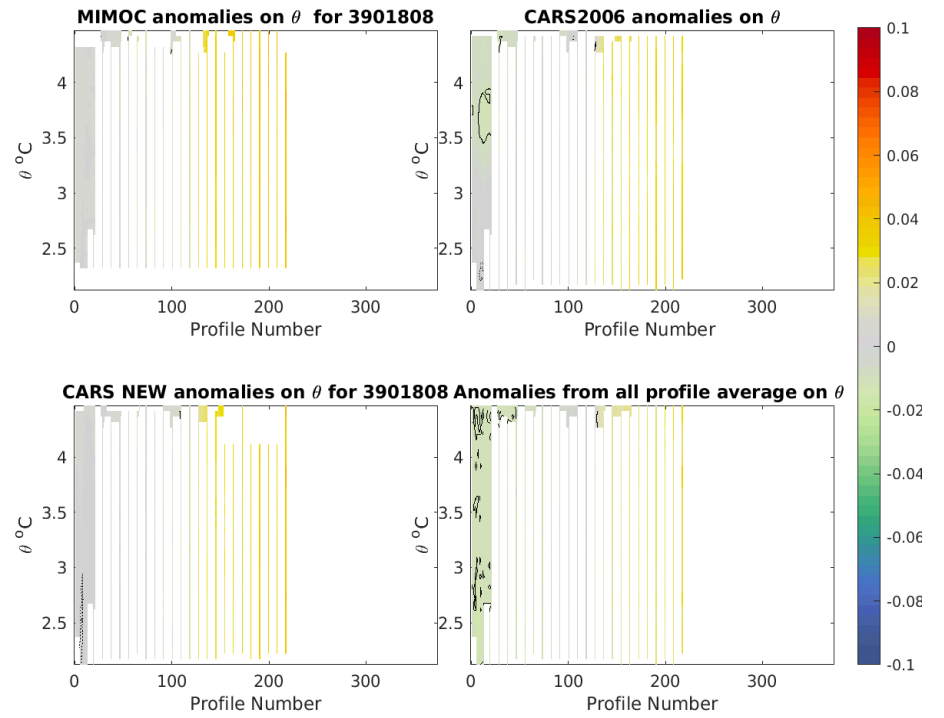
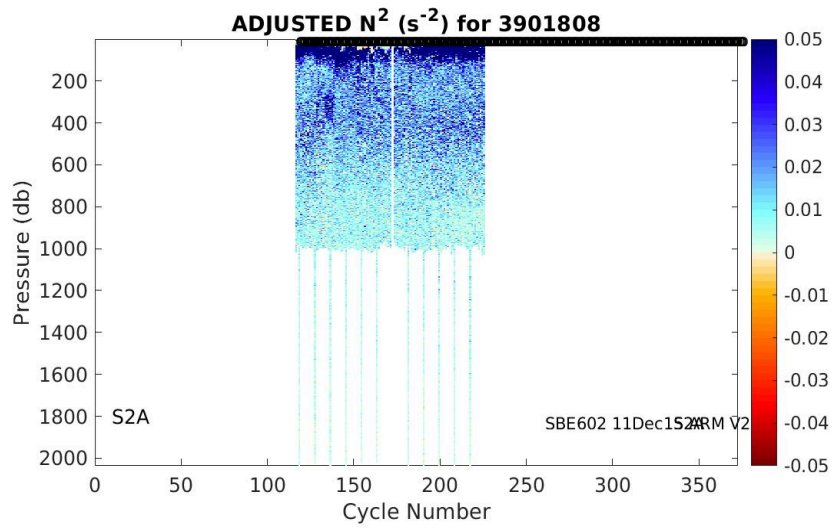
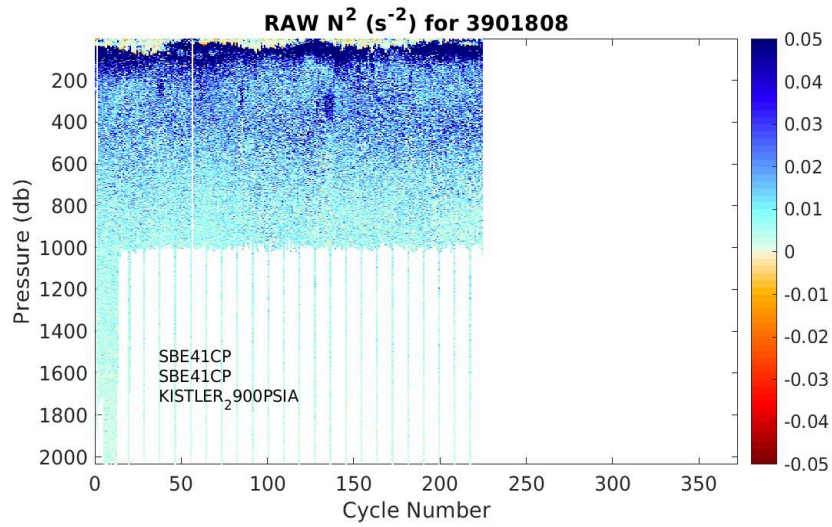


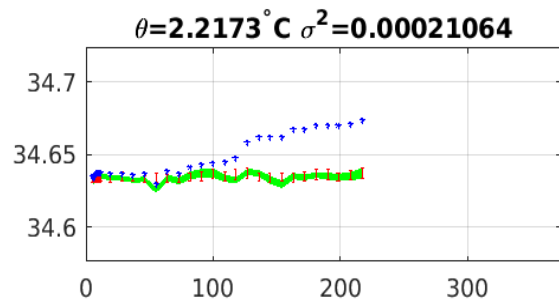
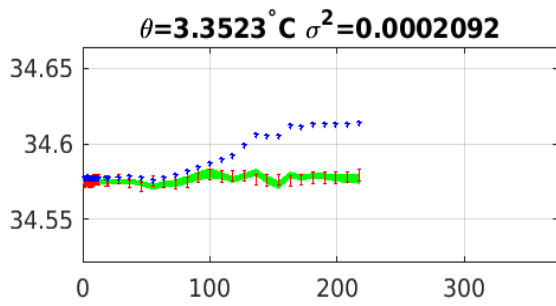
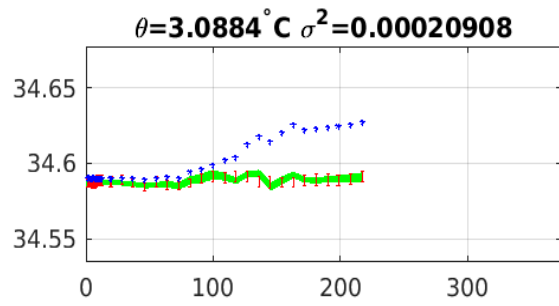
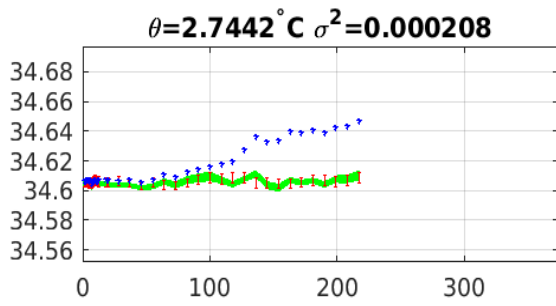
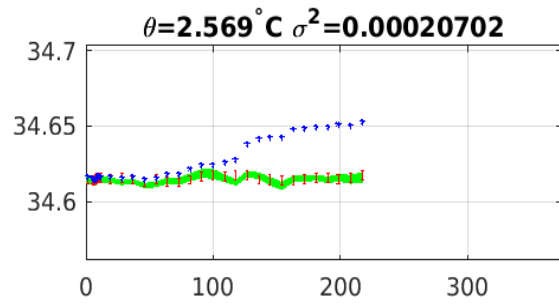
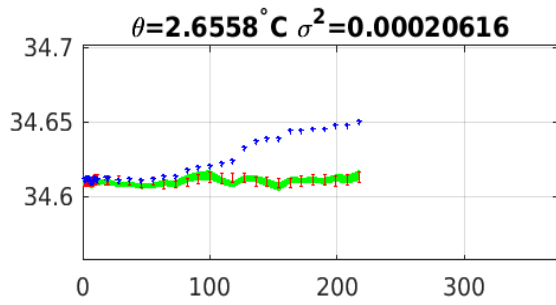
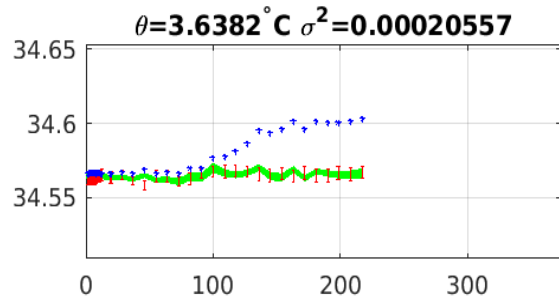
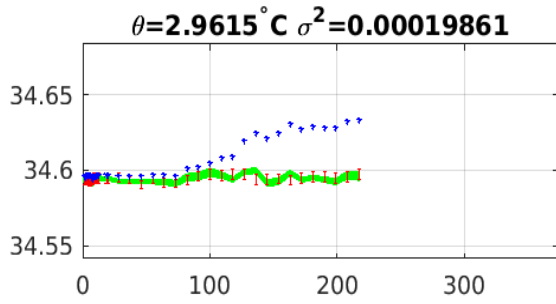
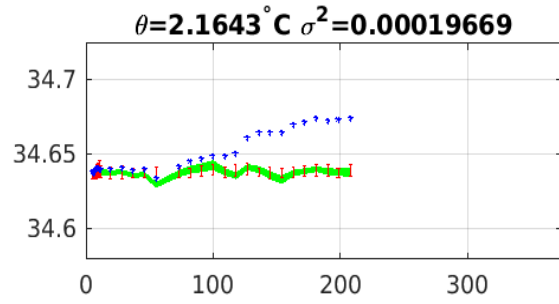
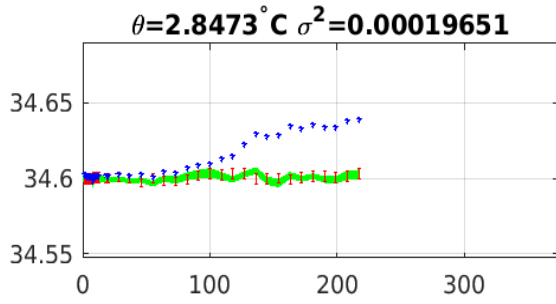
**Salinity anom on theta 3901808**



**Calibrated salinity anom on theta. 3901808**







Blue: uncal float; Red: mapped salinity; Green: cal float w/1xerr