WMO 4903339 - OWC Summary Plots

DMQC Operator: Deb West-Mack

Date: 07-Jul-2023 11:18:34

Cycles: 0 - 86

Dfiles: 1 - 46

Config File: cow_config_sm.txt

WMO Boxes: wmo_boxes_ctd21argo22.mat

Historical Argo: ARGO_for_DMQC_2022V03_1XXX.tar.gz

Historical CTD: CTD_for_DMQC_2021V02_1.tgz
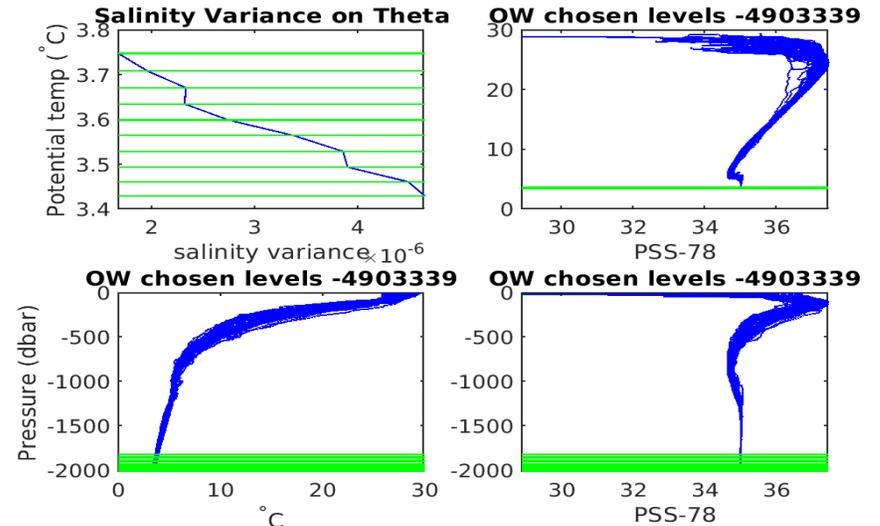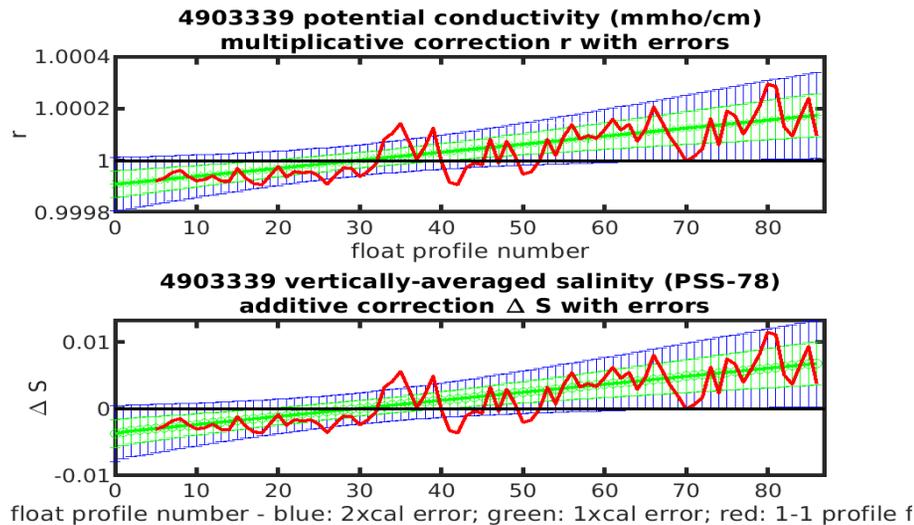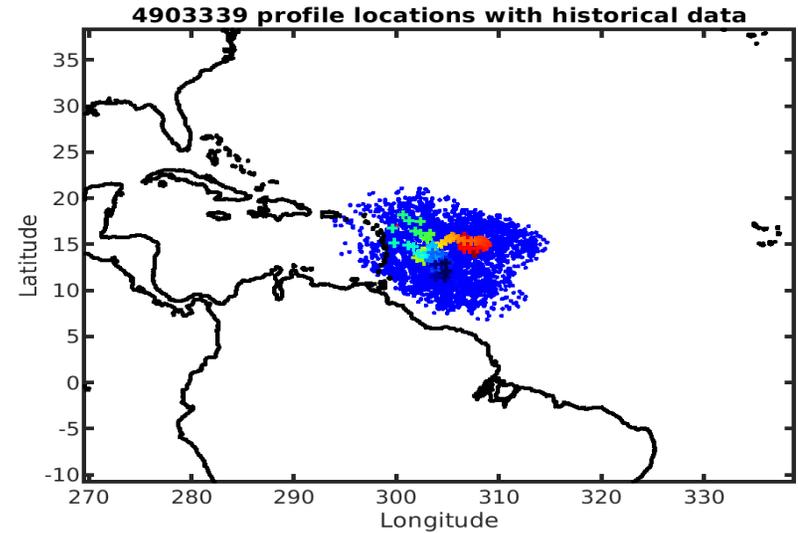
Map Scale

Longitude: 1° / 2°

Latitude: 0.5° / 1°

Age: 5yrs / 10yrs

PV: 0

SAF: 0

OWC Parameters

Pressure: : 1800 < pres < --

Theta: -- < theta < --
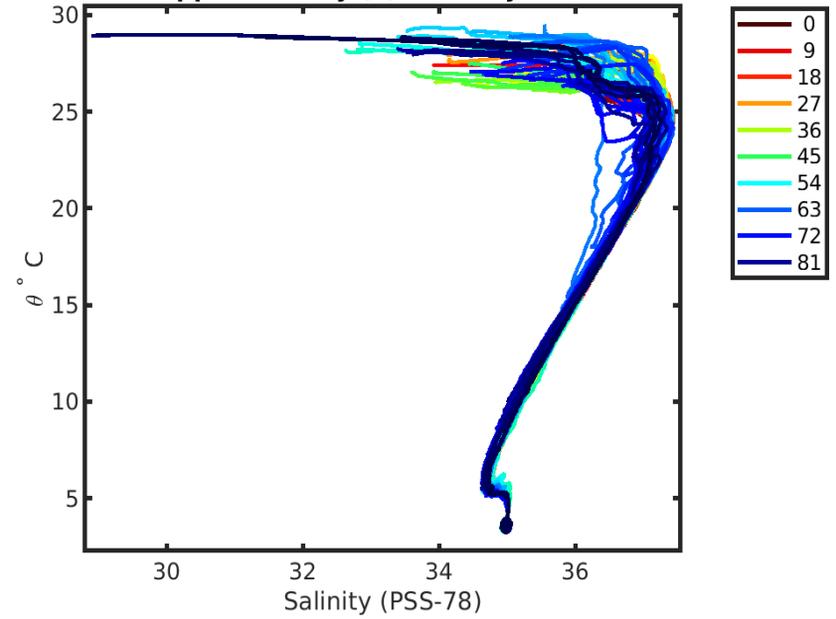
Breaks: --

Output

Pcond factor: [0.99991 - 1.0002]

Salinity Offset: [-0.0037307 - 0.0068042]

4903339 profile locations with historical data

4903339 potential conductivity (mmho/cm) multiplicative correction r with errors

4903339 vertically-averaged salinity (PSS-78) additive correction △ S with errors

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

Salinity Variance on Theta
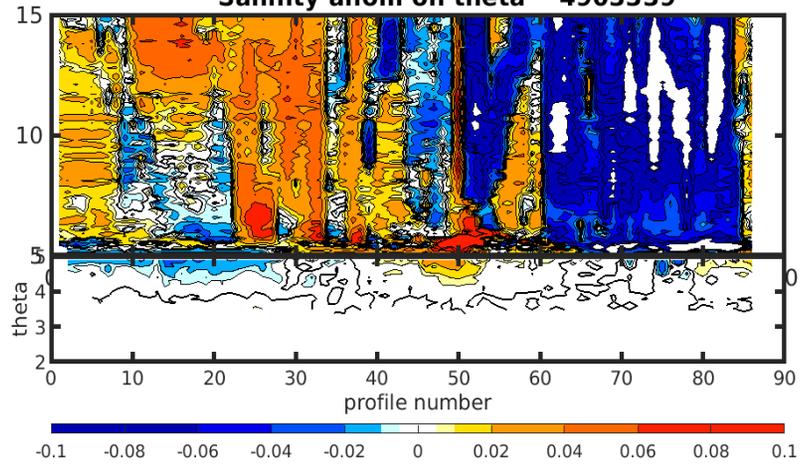
OW chosen levels -4903339

4903339 uncalibrated float data (-)
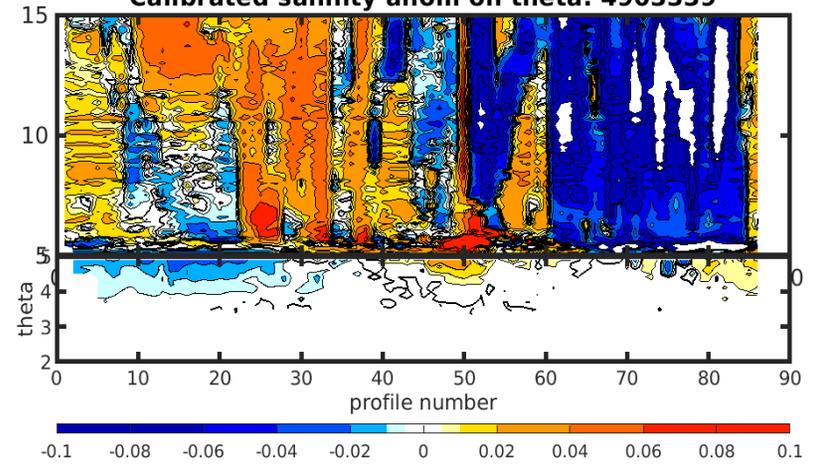**and mapped salinity (o) with objective errors**

4903339 calibrated float data (-)
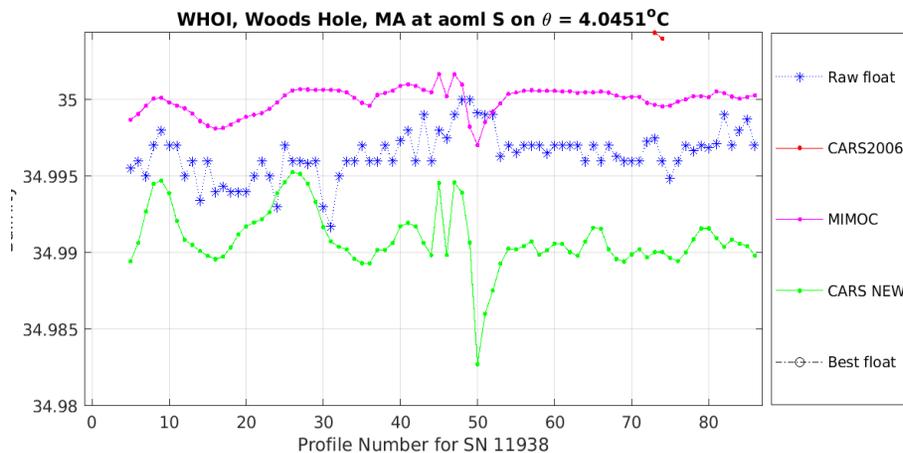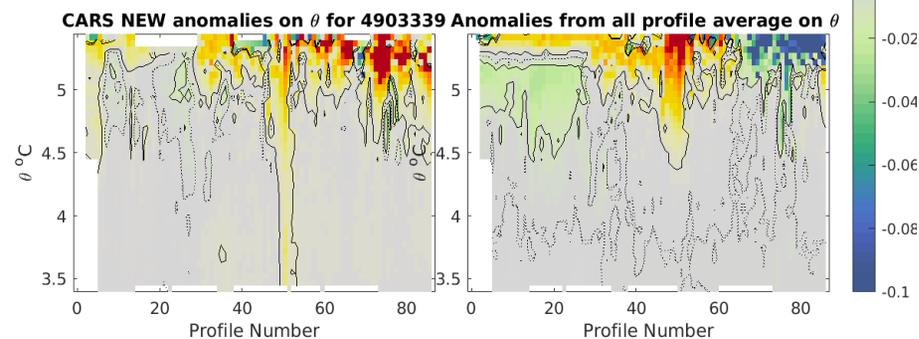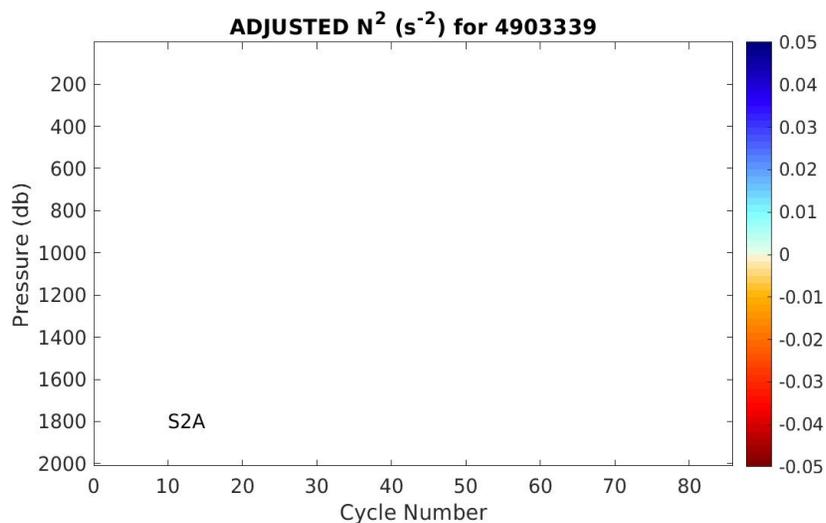**and mapped salinity (o) with objective errors**

Salinity anom on theta   4903339

Calibrated salinity anom on theta. 4903339

RAW N² (s⁻²) for 4903339

$$\text{RAW } N^2 \ (s^{-2}) \text{ for } 4903339$$

SBE41CP
SBE41CP
DRUCK_2 900PSIA

ADJUSTED N² (s⁻²) for 4903339

$$\text{ADJUSTED } N^2 \ (s^{-2}) \text{ for } 4903339$$

S2A

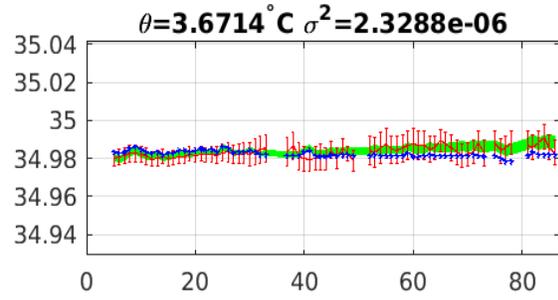MIMOC anomalies on θ for 4903339

CARS2006 anomalies on θ

CARS NEW anomalies on θ for 4903339

Anomalies from all profile average on θ

WHOI, Woods Hole, MA at aoml S on $\theta = 4.0451^oC$

Raw float
CARS2006
MIMOC
CARS NEW
Best float

Profile Number for SN 11938

WHOI Argo:07-Jul-2023

WHOI Argo:07-Jul-2023

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