WMO 4902114 - OWC Summary Plots

DMQC Operator: Deb West-Mack

Date: 11-Jul-2025 09:46:33

Cycles: 0 - 298

Dfiles: 0 - 237

Config File: cow_config_sm.txt

WMO Boxes: wmo_boxes_ctd24argo23.mat

Historical Argo: ARGO_for_DMQC_2023V03_1XXX.tar.gz

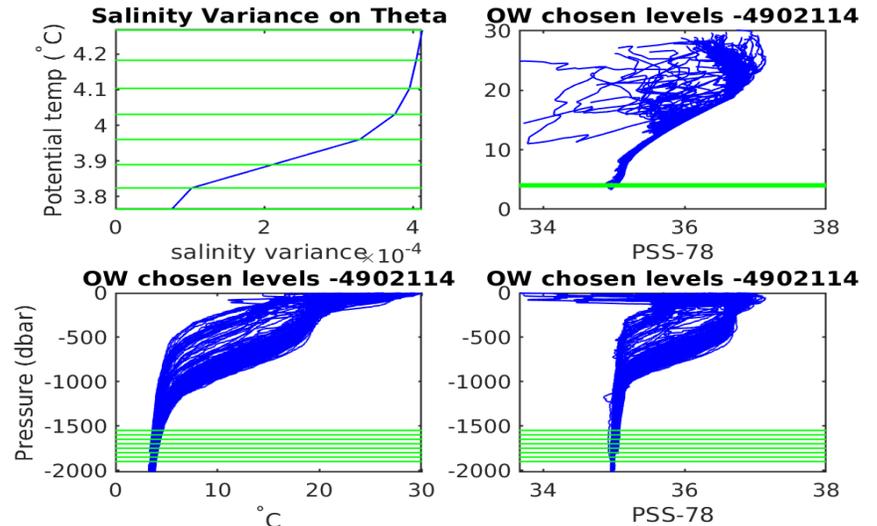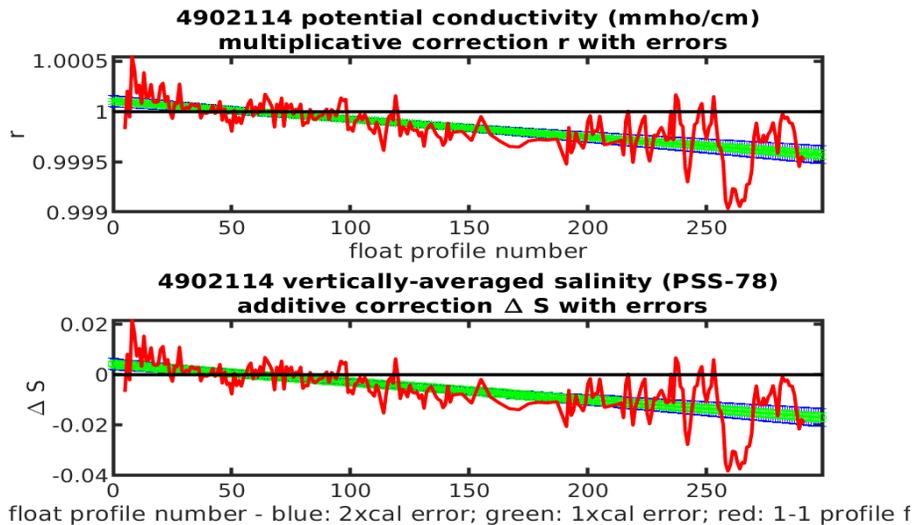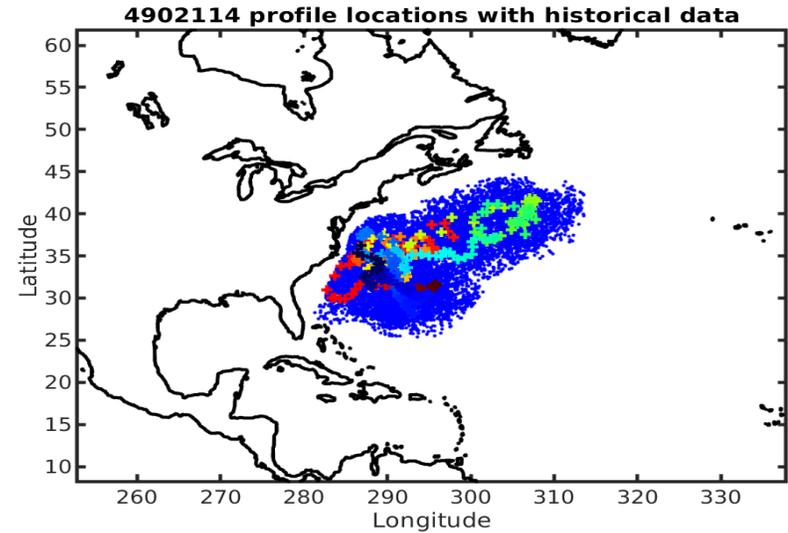Historical CTD: CTD_for_DMQC_2024V01_1.tar.gz

Map Scale	OWC Parameters
Longitude: 1° / 2°	Pressure: : 1500 < pres < --
Latitude: 0.5° / 1°	Theta: -- < theta < --
Age: 5yrs / 10yrs	Breaks: --
PV: 0	
SAF: 0	

Output

Pcond factor: [0.99958 - 1.0001]

Salinity Offset: [-0.017014 - 0.0042883]

4902114 profile locations with historical data

4902114 potential conductivity (mmho/cm) multiplicative correction r with errors

4902114 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 -4902114

OW chosen levels -4902114
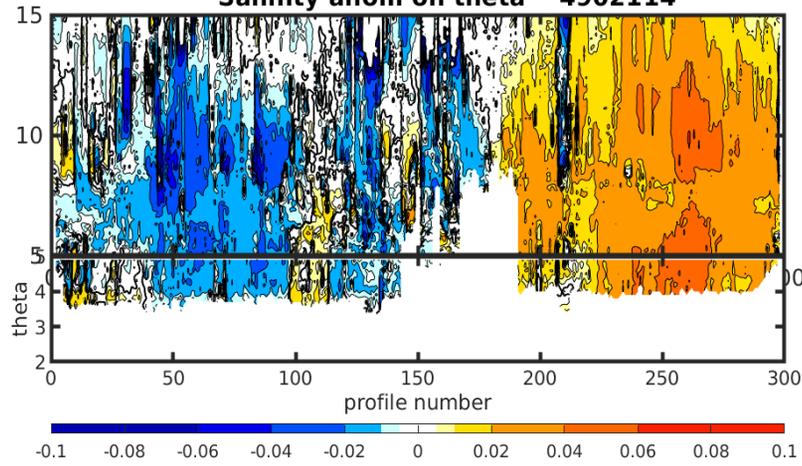
OW chosen levels -4902114

4902114 uncalibrated float data (-)
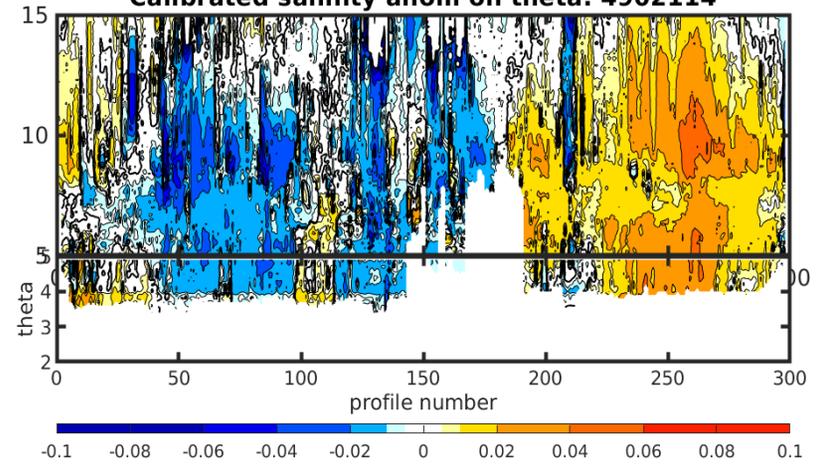**and mapped salinity (o) with objective errors**

4902114 calibrated float data (-)
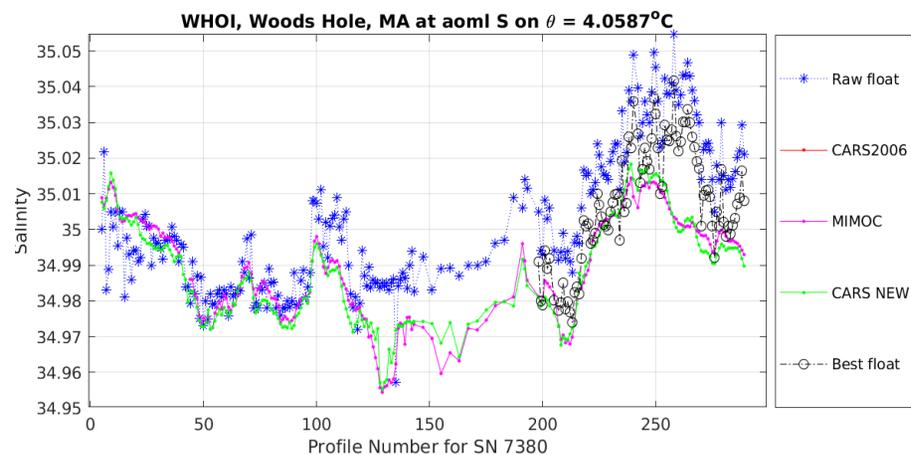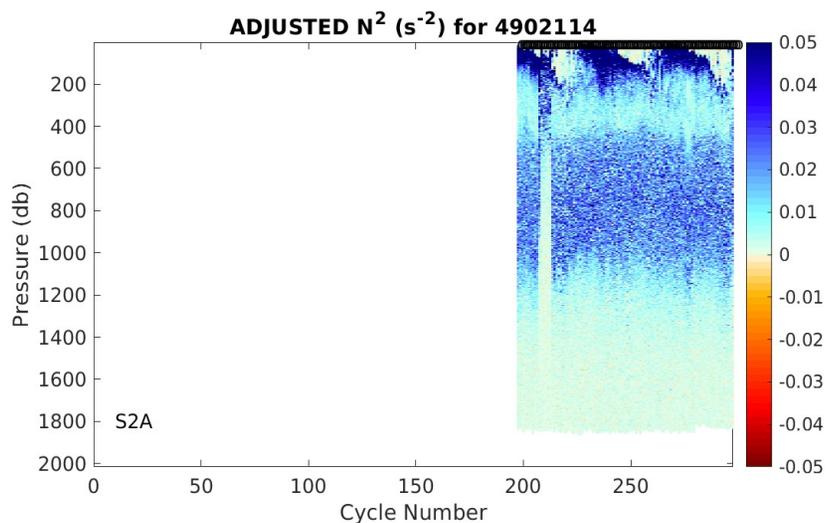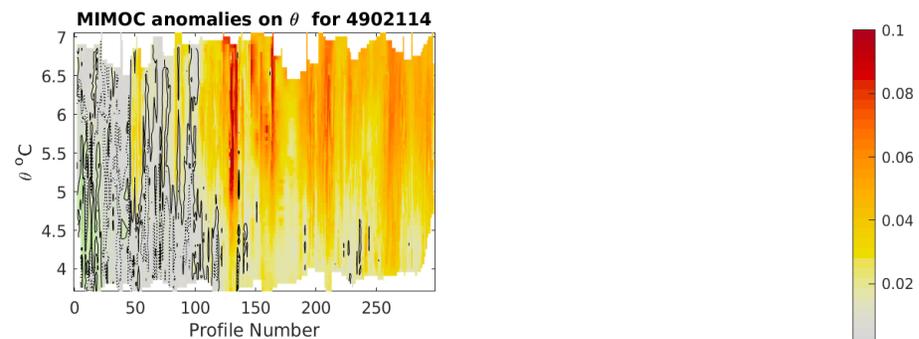**and mapped salinity (o) with objective errors**

| 0 |
| 30 |
| 60 |
| 90 |
| 120 |
| 150 |
| 180 |
| 210 |
| 240 |
| 270 |

Salinity anom on theta   4902114

Calibrated salinity anom on theta. 4902114

RAW N^2 (s^{-2}) for 4902114

SBE41CP
SBE41CP
DRUCK$_2$900PSIA
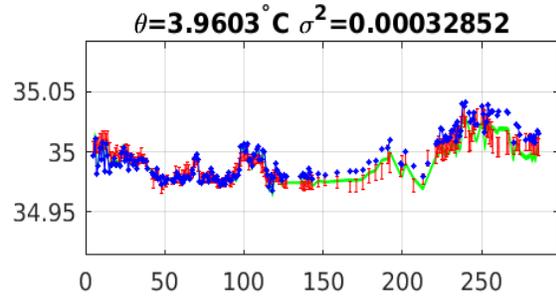
ADJUSTED N^2 (s^{-2}) for 4902114

S2A

MIMOC anomalies on θ for 4902114

CARS NEW anomalies on θ for 4902114 Anomalies from all profile average on θ

WHOI, Woods Hole, MA at aoml S on θ = 4.0587^{o}C

Raw float
CARS2006
MIMOC
CARS NEW
Best float

Salinity

Profile Number for SN 7380

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