WMO 4900803 - OWC Summary Plots

DMQC Operator: Deb West-Mack

Date: 26-Aug-2021 15:41:07

Config File: cow_config_sm.txt

WMO Boxes: wmo_boxes_ctd21argo20.mat

Historical Argo: ARGO_for_DMQC_2020V03.tar.gz

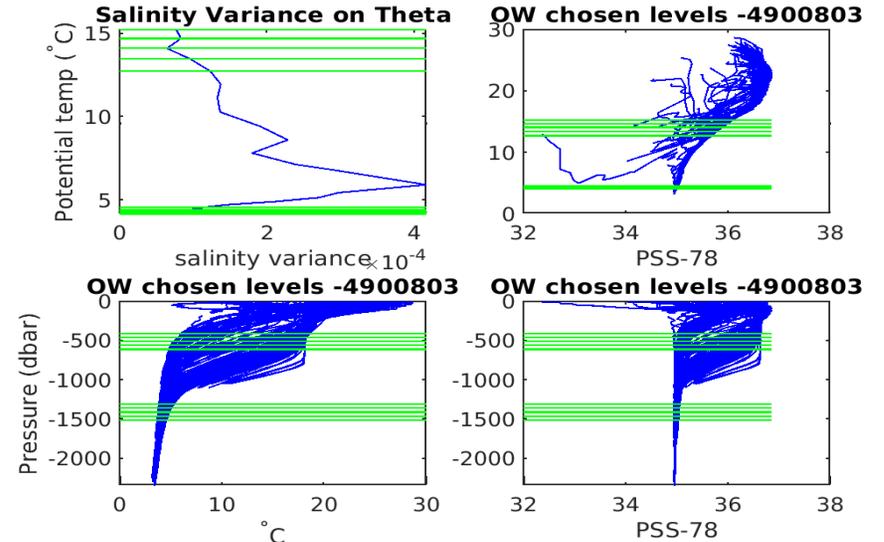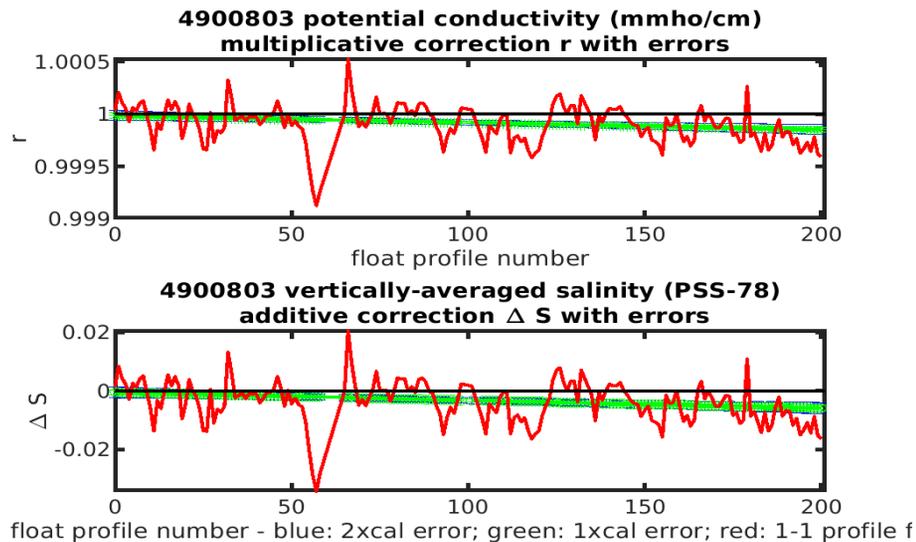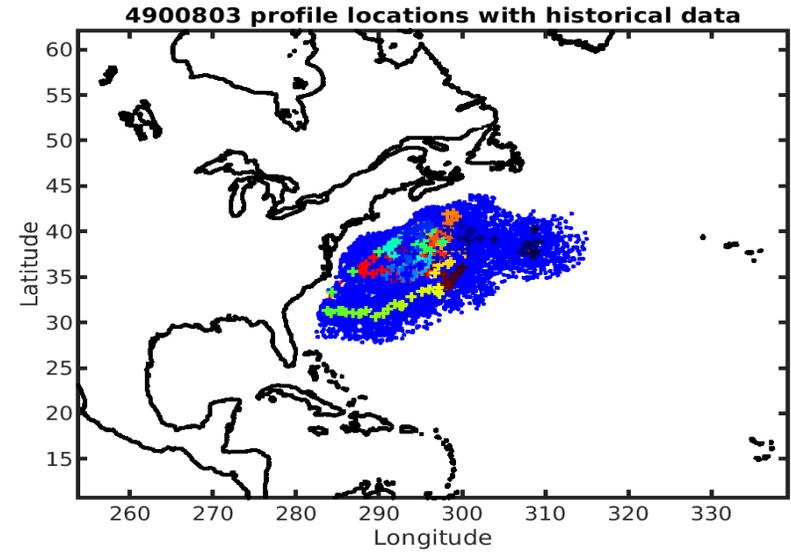Historical CTD: CTD_for_DMQC_2021V01_1.tar.gz

Map Scale

Longitude: 1° / 2°

Latitude: 0.5° / 1°

Age: 5yrs / 10yrs

PV: 0

SAF: 0

OWC Parameters

Pressure: : -- < pres < --

Theta: -- < theta < --

Breaks: --
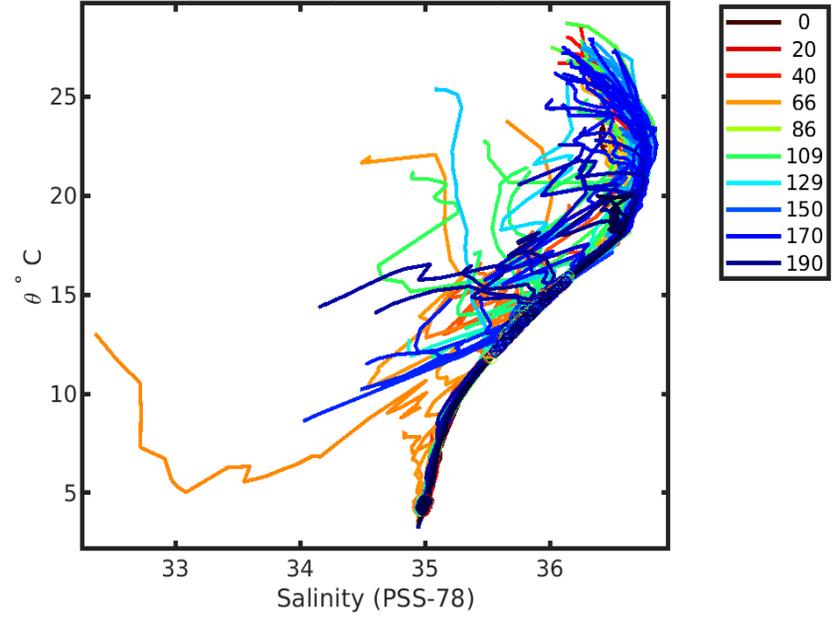
Output

Pcond factor: [0.99985 - 0.99999]

Salinity Offset: [-0.0059246 - -0.00055928]

4900803 profile locations with historical data

4900803 potential conductivity (mmho/cm) multiplicative correction r with errors

4900803 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
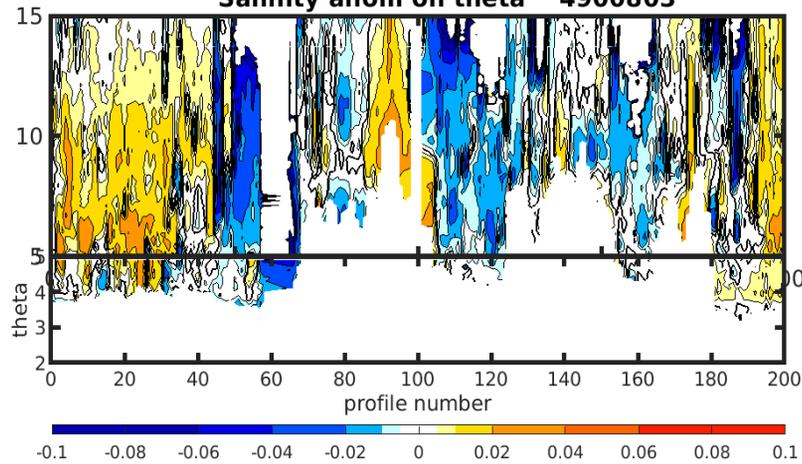
OW chosen levels -4900803

4900803 uncalibrated float data (-)
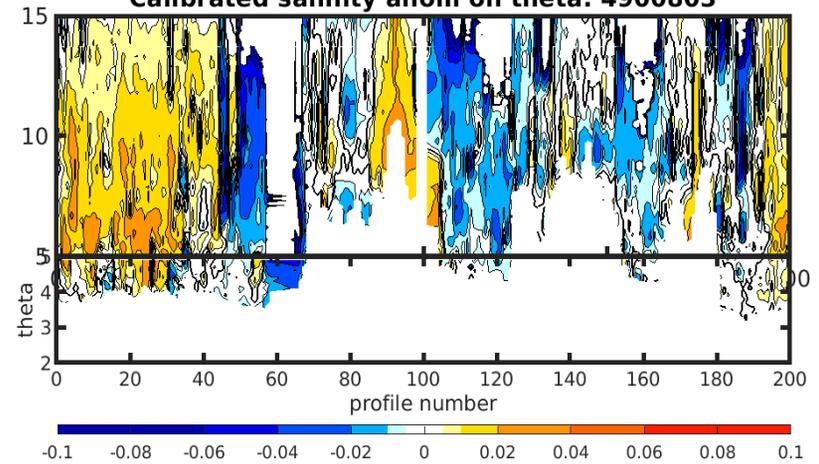**and mapped salinity (o) with objective errors**
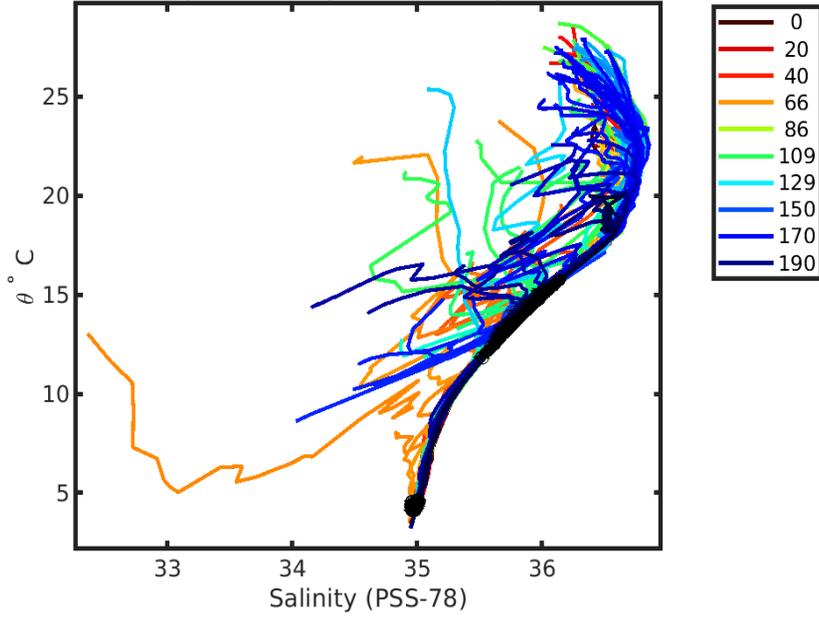
4900803 calibrated float data (-)
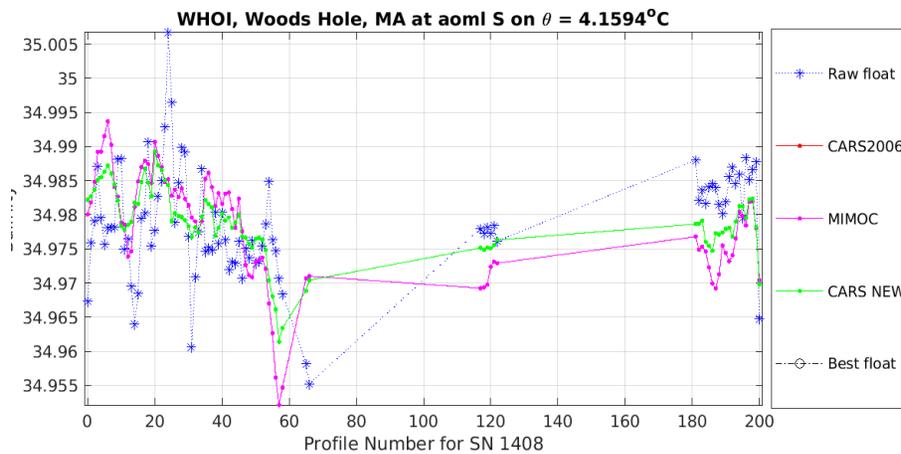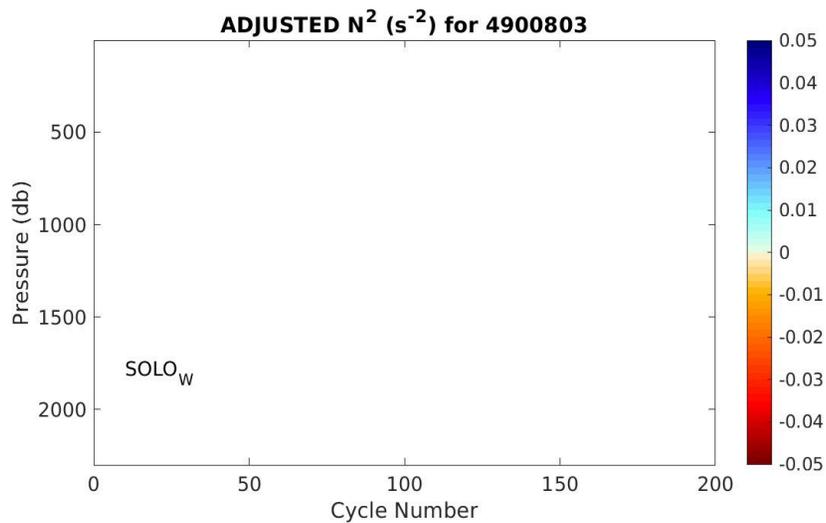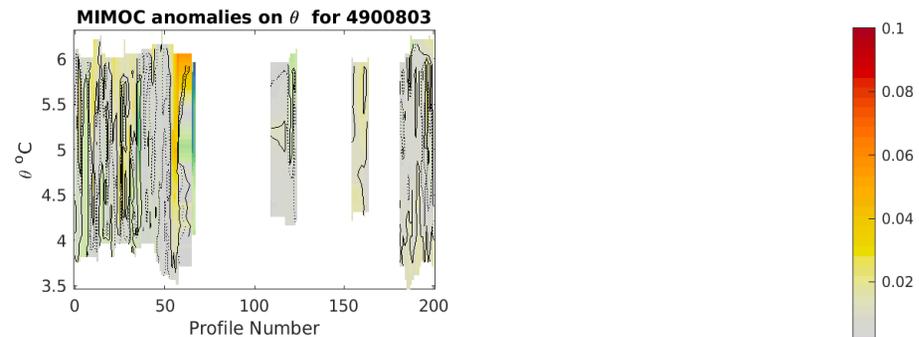**and mapped salinity (o) with objective errors**

Salinity anom on theta   4900803

Calibrated salinity anom on theta. 4900803

RAW N^2 (s^{-2}) for 4900803

SBE41CP
SBE41CP
DRUCK$_2$900PSIA

ADJUSTED N^2 (s^{-2}) for 4900803

SOLO$_W$

WHOI Argo:26-Aug-2021

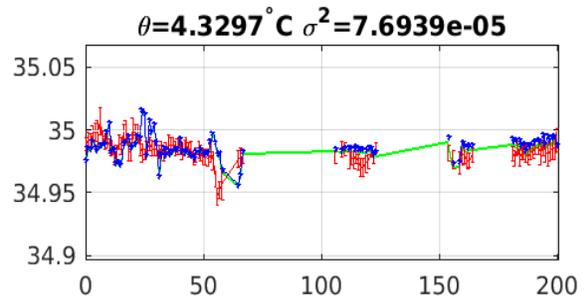## MIMOC anomalies on θ for 4900803

CARS NEW anomalies on θ for 4900803   Anomalies from all profile average on θ

WHOI, Woods Hole, MA at aoml S on θ = 4.1594^{o}C

Raw float
CARS2006
MIMOC
CARS NEW
Best float

Profile Number for SN 1408

WHOI Argo:26-Aug-2021
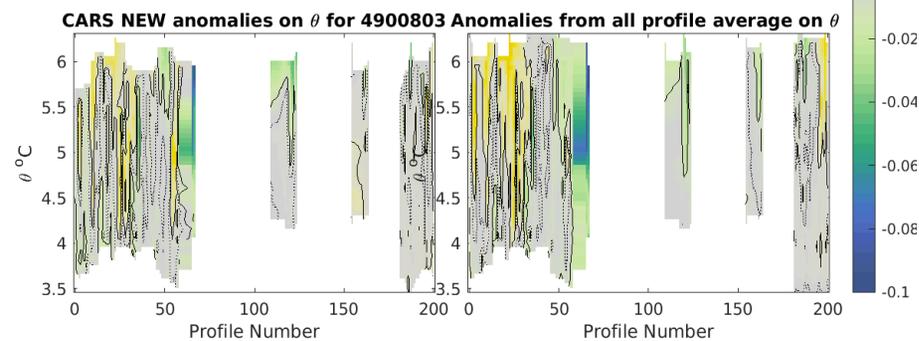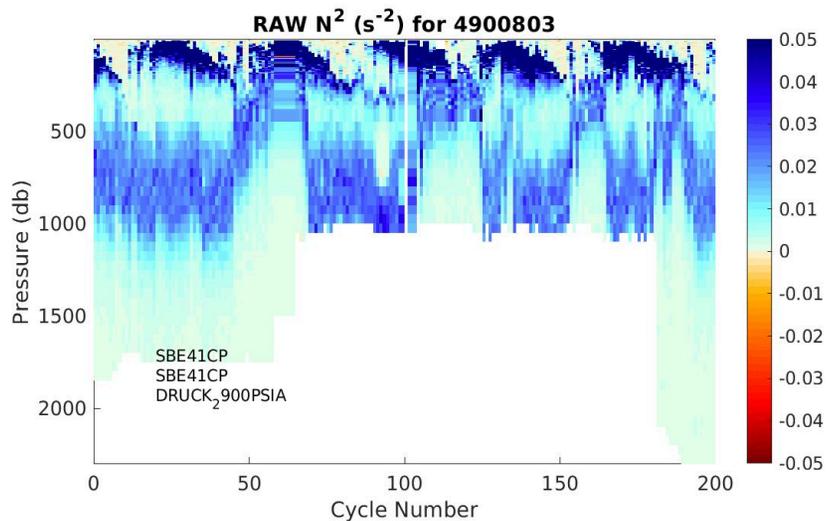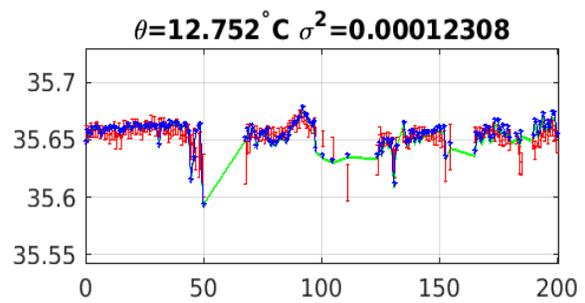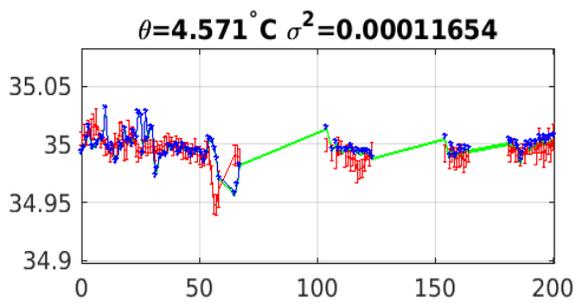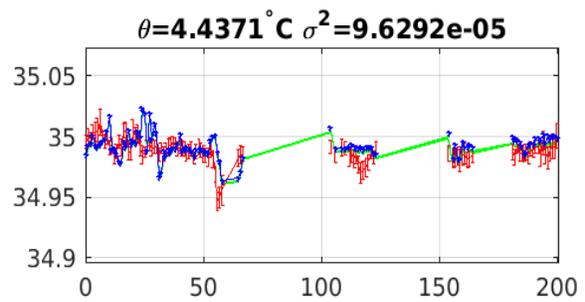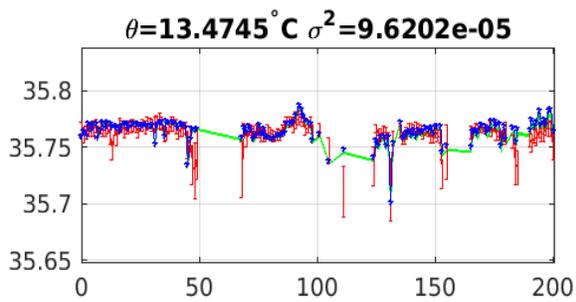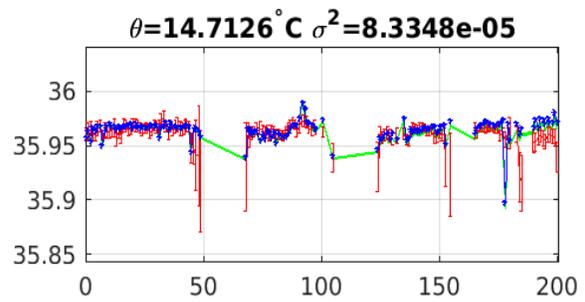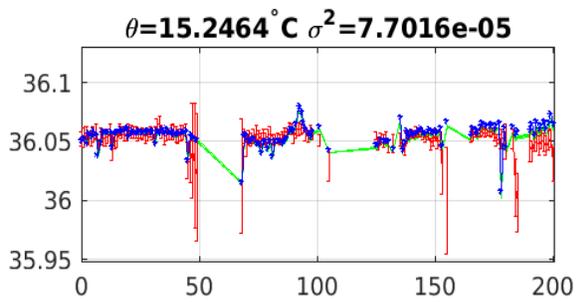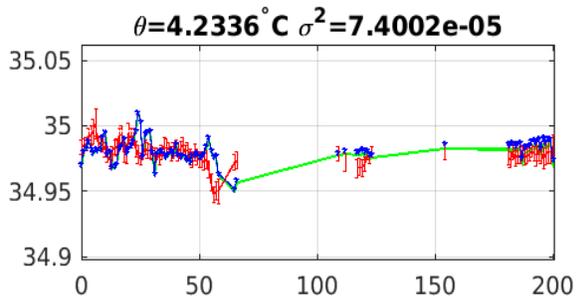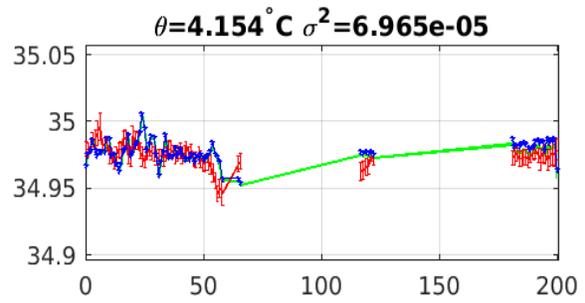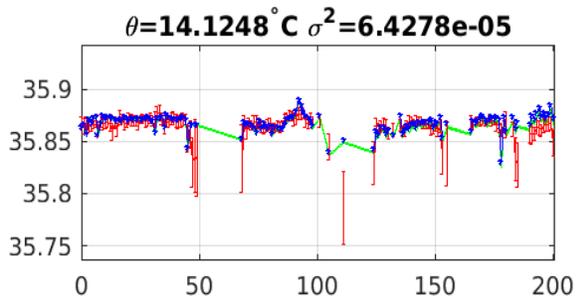
Blue: uncal float; Red: mapped salinity; Green: cal float w/1xerr