WMO 3900800 - OWC Summary Plots

DMQC Operator: Deb West-Mack

Date: 09-Jun-2022 13:25:48

Config File: cow_config_sm.txt

WMO Boxes: wmo_boxes_ctd21argo21.mat

Historical Argo: ARGO_for_DMQC_2021V03_1XXXX.tar.gz
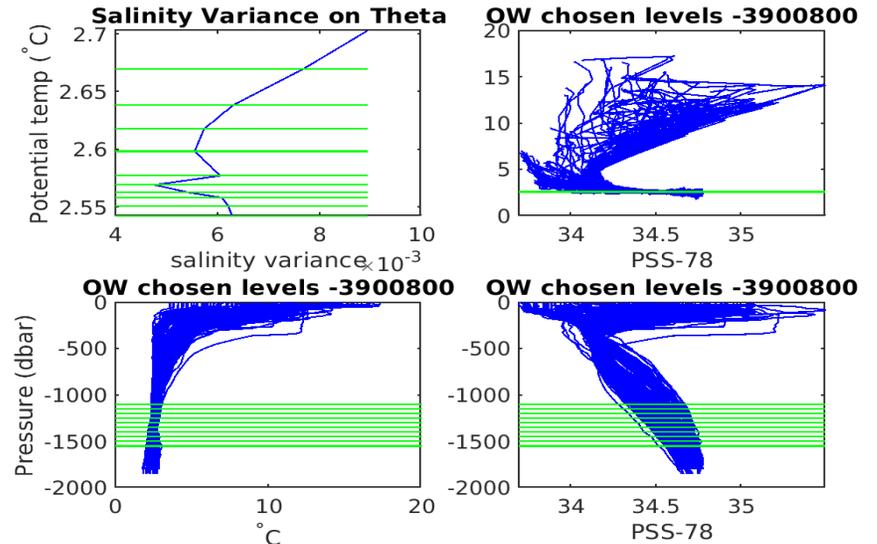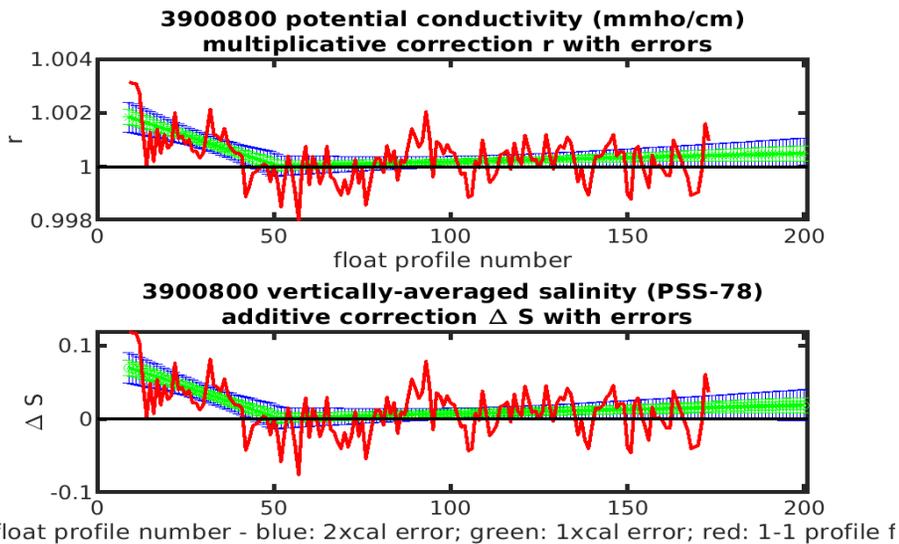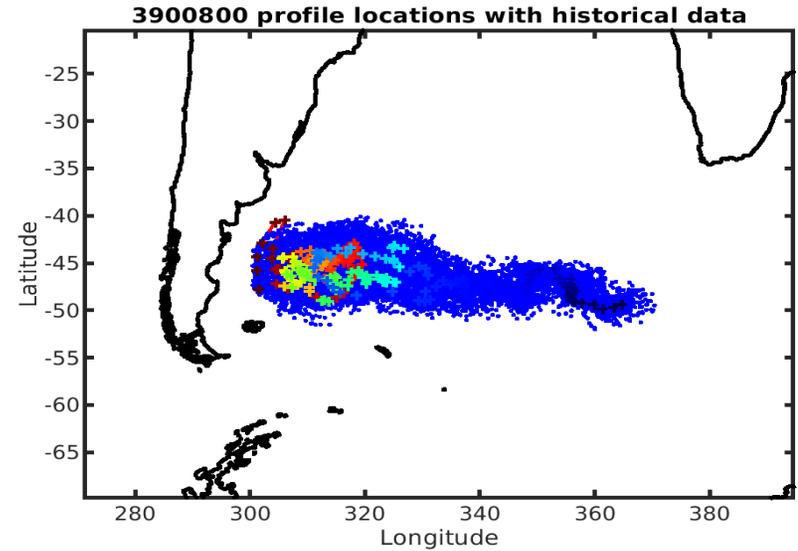
Historical CTD: CTD_for_DMQC_2021V02_1.tgz

Map Scale

Longitude: 1° / 2°

Latitude: 0.5° / 1°

Age: 5yrs / 10yrs

PV: 0

SAF: 0

OWC Parameters

Pressure: : 1000 < pres < --

Theta: -- < theta < --

Breaks: 50.9995

Output
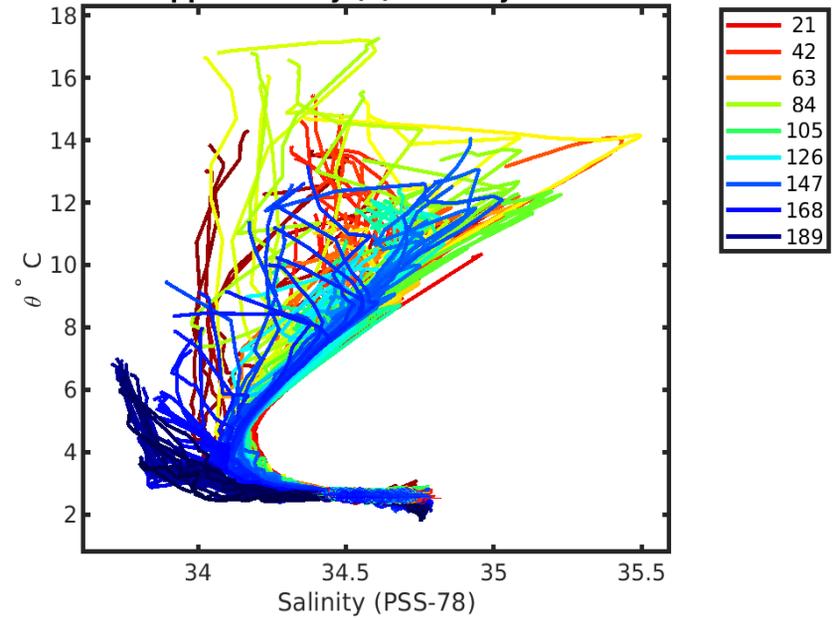
Pcond factor: [1 - 1.0018]

Salinity Offset: [0.0014607 - 0.069884]

3900800 profile locations with historical data

3900800 potential conductivity (mmho/cm) multiplicative correction r with errors

3900800 vertically-averaged salinity (PSS-78) additive correction Δ S with errors

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

Salinity Variance on Theta

OW chosen levels -3900800

OW chosen levels -3900800
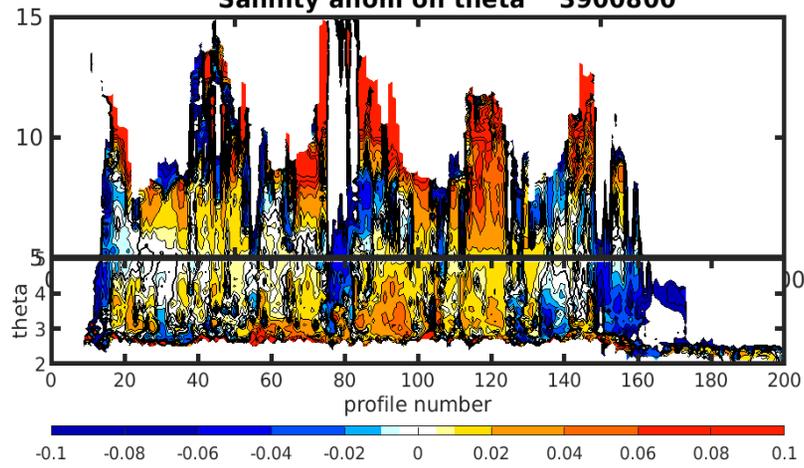
OW chosen levels -3900800

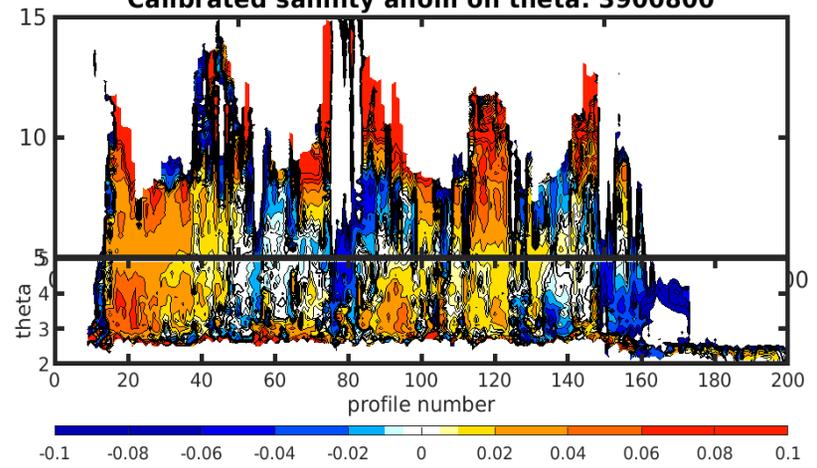**3900800 uncalibrated float data (-) and mapped salinity (o) with objective errors**
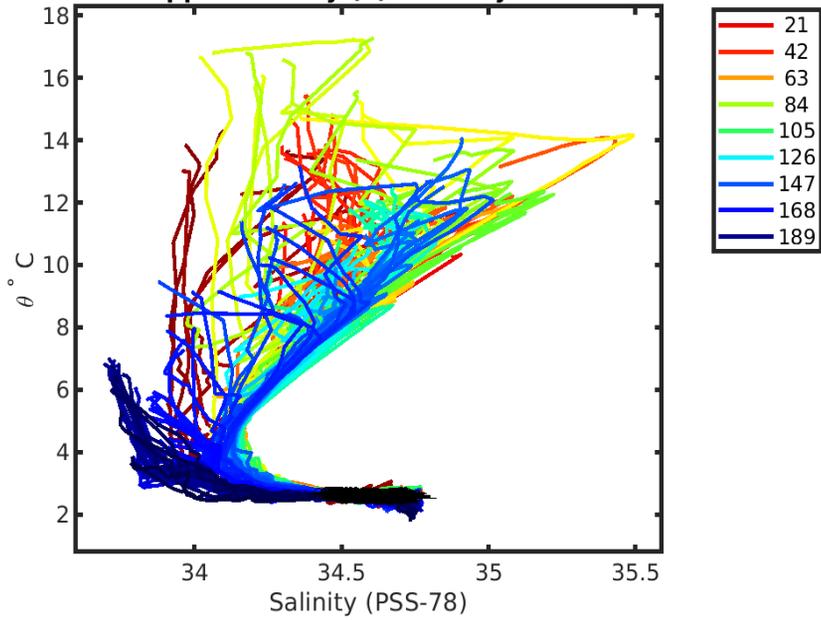
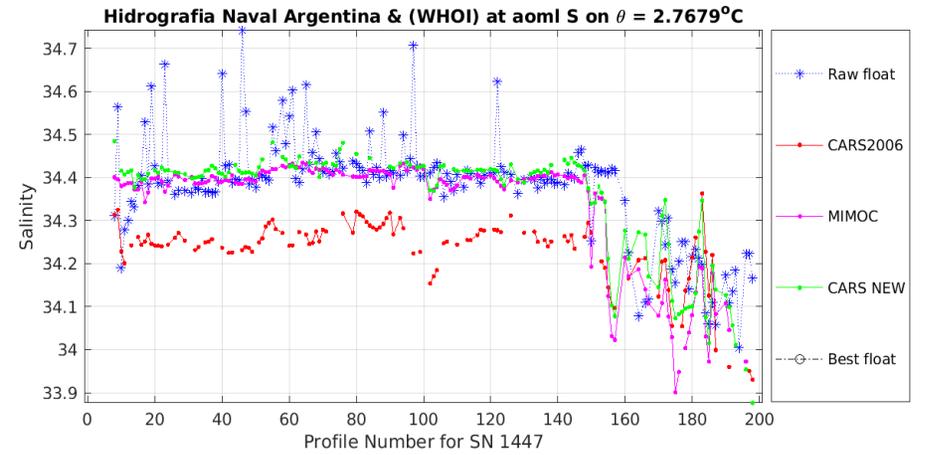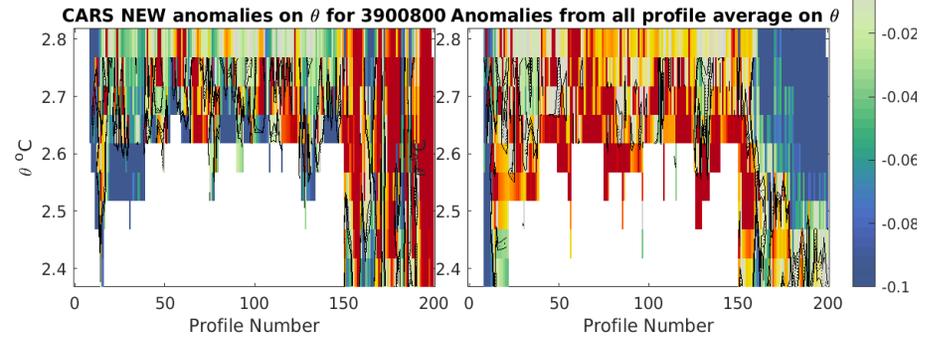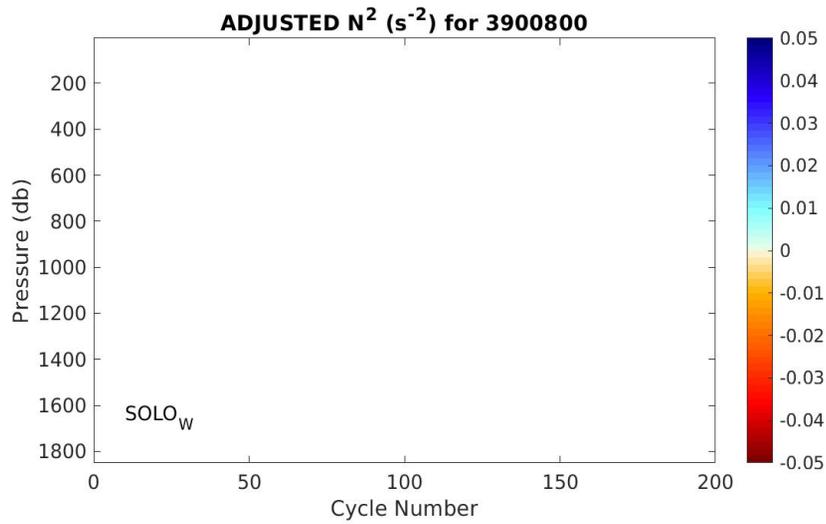**3900800 calibrated float data (-) and mapped salinity (o) with objective errors**

Salinity anom on theta   3900800

Calibrated salinity anom on theta. 3900800

RAW N^2 (s^{-2}) for 3900800

SBE41CP
SBE41CP
DRUCK$_2$900PSIA

ADJUSTED N^2 (s^{-2}) for 3900800

SOLO$_W$

MIMOC anomalies on θ for 3900800
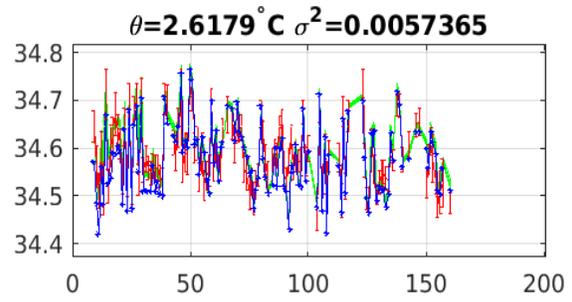

CARS2006 anomalies on θ

CARS NEW anomalies on θ for 3900800

Anomalies from all profile average on θ

Hidrografia Naval Argentina & (WHOI) at aoml S on θ = 2.7679^{o}C

Raw float
CARS2006
MIMOC
CARS NEW
Best float

Profile Number for SN 1447
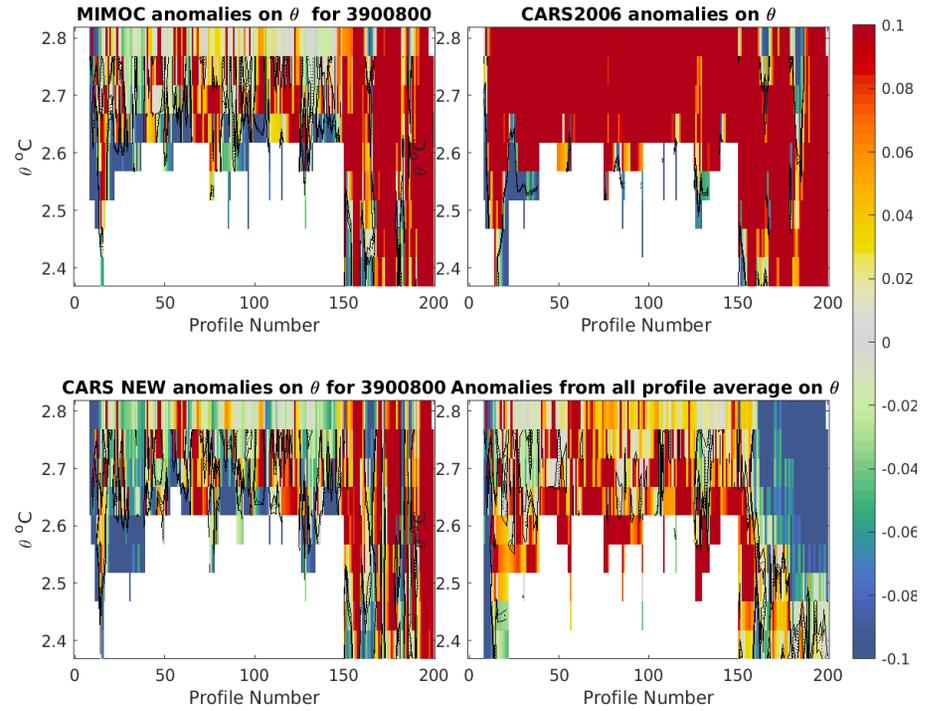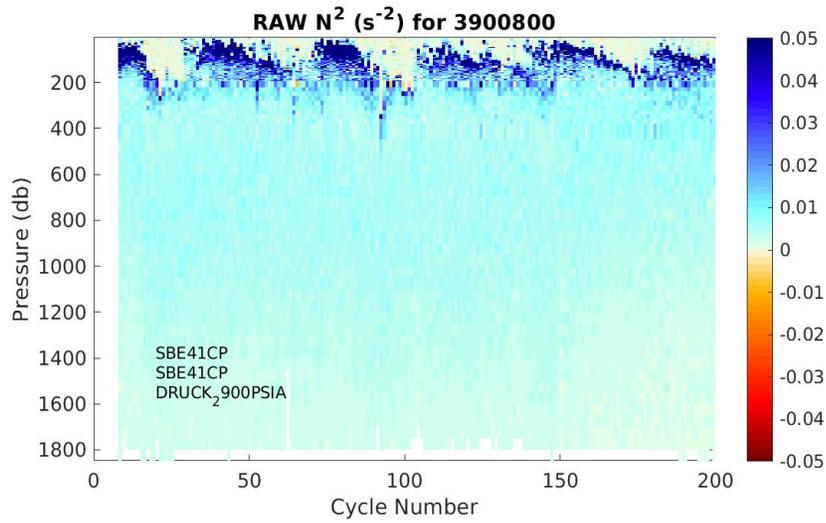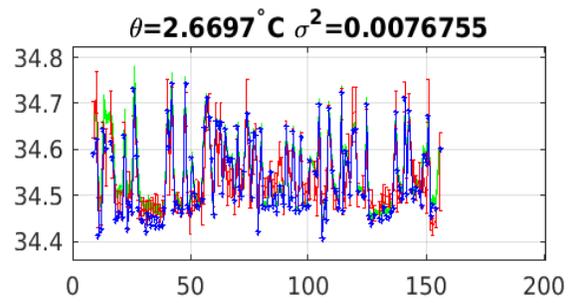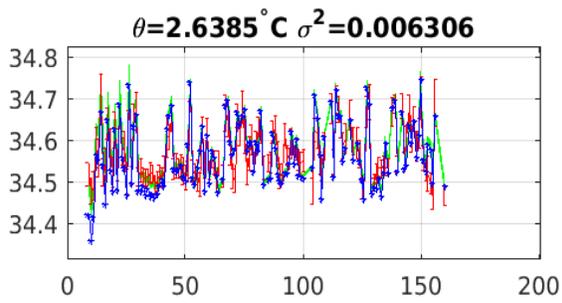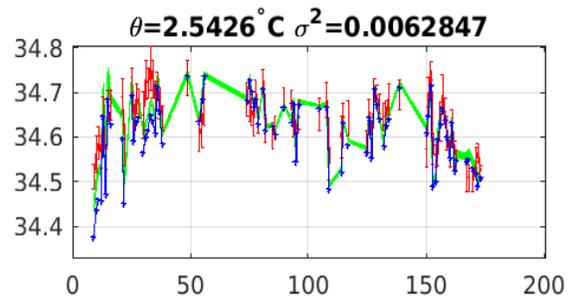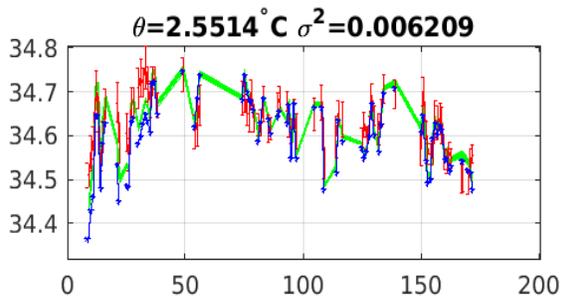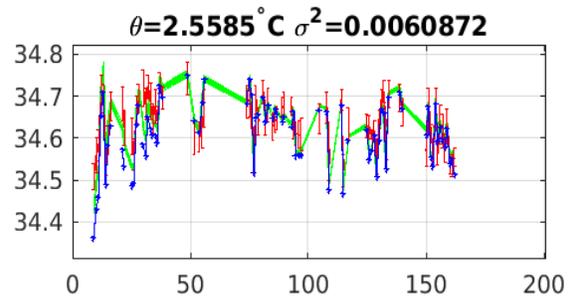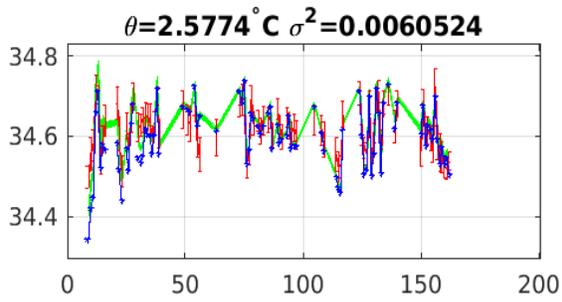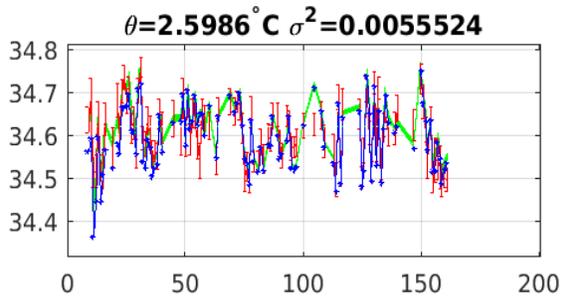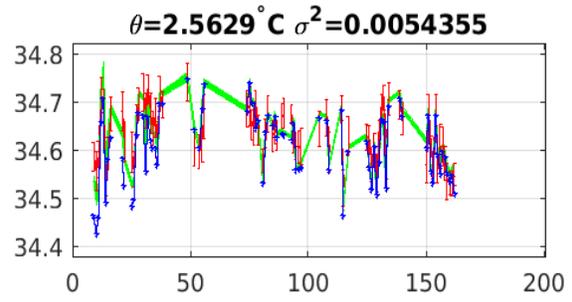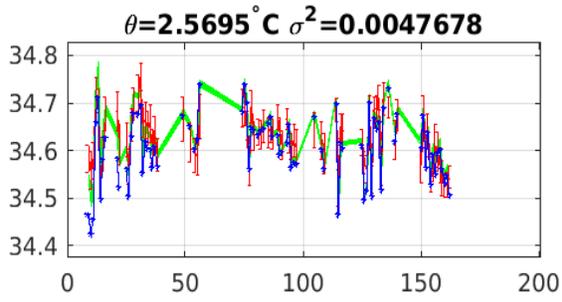
Blue: uncal float; Red: mapped salinity; Green: cal float w/1xerr