CTD Data Documentation for Meteor Cruise 33 leg 1

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1.   Principal Investigator

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2.   Problems during field measurements

The CTD probe had curious problems during the field study. The pressure sensor had sometimes several different offsets in one profile, or large data gaps. Originally 23 casts were done, but only 11 casts were quite usable. Some profiles had large data gaps (see Table in chapter 4.).

3.   Calibration Procedure and Quality

The first step in data processing was the re-calculation of the measured parameteres by the probe vendor. The resulting profiles were processed with the AFRAID program, in detail a low-pass filter was applied on the data.
Most of the profiles were checked against bench salinometer values, measured with GUIDELINE AUTOSAL. For these profiles an individual calibration was performed.

4.   List and comments on Profiles

Filename	Comment
MT0001VA.CSV	Data below 200m deleted, due to pressure errors
MT0002VA.CSV	no comment
MT0003VA.CSV	several missing data rows in the range 1700-1800m
MT0004VA.CSV	calibration with values from MT0003VA.CSV profile
MT0005VA.CSV	Data below 1100m deleted, overestimation of surface values
MT0006VA.CSV	No data between 170-460m
MT0007VA.CSV	No AUTOSAL data, not corrected!!
MT0008VA.CSV	no comment
MT0009VA.CSV	Salinity values between 370-400m were changed to 35.0319 and values between 455-475 were changed to 35.030 because no function was applicable on data
MT0010VA.CSV	No AUTOSAL data, not corrected!!
MT0011VA.CSV	no comment