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README for CTD data taken during the R/V MIRAI MR11-07 (CINDY2011) Cruise  
as of August 28, 2012

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Final products of CTD profiles are archived as ASCII file yyyyymmddhh.cnv, where "yyyyymmddhh" is nominal time in UTC for each cast. Data are the average of 1-dbar, and correction for salinity has been applied based on the intercomparison with salinity derived from sampled water analysis. Correction coefficients can be found in Offset\_Table\_MR11-07\_Leg1/2.pdf.

Details of CTD measurement and salinity calibration can be found in the cruise report.

For CTD measurement:

[http://www.jamstec.go.jp/iorgc/cindy/obs/CruiseReport\\_MR11-07\\_partial/5.14\\_CTD0.pdf](http://www.jamstec.go.jp/iorgc/cindy/obs/CruiseReport_MR11-07_partial/5.14_CTD0.pdf)

For Salinity calibration:

[http://www.jamstec.go.jp/iorgc/cindy/obs/CruiseReport\\_MR11-07\\_partial/5.15\\_Salinity.pdf](http://www.jamstec.go.jp/iorgc/cindy/obs/CruiseReport_MR11-07_partial/5.15_Salinity.pdf)

Parameters, format, and other basic information on each cast can be found in their each header. Nominal time (filename and day of the year 2011/2012) and starting position of each cast are listed in "ctdcast.log".

--- < Sensor Information > ---

System : SBE911plus CTD system  
<Underwater units>  
Main system: SBE9plus (SBE Inc. S/N 09P27443-0677)  
Pressure: Digiquartz pressure sensor (S/N 79511)  
Temperature: Primary - SBE03-04/F (SBE Inc. S/N 031524)  
Secondary - SBE03-04/F (SBE Inc. S/N 031464)  
Conductivity: Primary - SBE04-04/0 (SBE Inc. S/N 041206)  
Secondary - SBE04C (SBE Inc. S/N 042240)  
Fluorescence: Chlorophyll Fluorometer (Seapoint Sensors Inc. S/N 3054)  
Dissolved Oxygen: SBE43 (SBE Inc. S/N 430330)  
<Deck Unit>  
SBE11plus (V2) (SBE Inc. S/N 11P7030-0272)

--- < Contact Point > ---

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