Localization of cast and Cora data

Theta-S diagram

![Map showing localization of cast and Cora data](image1)

![Theta-S diagram](image2)

**TEMP_0**

![Temperature distribution](image3)

**TEMP_1**

![Temperature distribution](image4)

**SAL_0**

![Salinity distribution](image5)

**SAL_1**

![Salinity distribution](image6)
Localization of cast and Cora data

Theta-S diagram

TEMP_0

TEMP_1

SAL_0

SAL_1

seasoar_L2_protevsmed_2015_leg1_20150113T110226Z_0004.nc
Localization of cast and Cora data

cora database
protevsmed data

Theta-S diagram

seasoar_L2_protevsmed_2015_leg1_20150114T053947Z_0005.nc
Localization of cast and Cora data

Theta-S diagram

TEMPO

TEMP_1

SAL_0

SAL_1

seasoar_L2_protevsmed_2015_leg1_20150115T005641Z_0008.nc
Localization of cast and Cora data

cora database

protevsmed data

 Theta-S diagram

seasoar_L2_protevsmed_2015_leg1_20150116T111745Z_0010.nc
Localization of cast and Cora data

cora database
protevsmed data

Theta-S diagram

TEMP_0

TEMP_1

SAL_0
deived sea water salinity from secondary sensor [PSU]

SAL_1

sea water salinity primary sensor [PSU]

seasoar_L2_protevsmed_2015_leg1_20150116T141408Z_0011.nc
Localization of cast and Cora data

cora database
protevsmed data

Theta-S diagram

TIME [days since 2015-01-01]

DEPTH

TEMP_0

TEMP_1

SAL_0

SAL_1

sea water temperature primary sensor [DEG Celsius]

sea water temperature secondary sensor [DEG Celsius]

sea water salinity primary sensor [PSU]

deived sea water salinity from secondary sensor [PSU]

seasoar_L2_protevsmed_2015_leg1_20150118T071551Z_0014.nc
Localization of cast and Cora data

cora database
protevsmed data

Theta-S diagram

TEMP_0
TEMP_1

SAL_0
SAL_1

seasoar_L2_protevsmed_2015_leg1_20150118T221230Z_0019.nc
Localization of cast and Cora data

Theta-S diagram

TEMP_0

SAL_0

TEMP_1

SAL_1
Localization of cast and Cora data

cora database
protevsmed data

Theta-S diagram

TIME [days since 2015-01-01]

DEPTH

TEMP_0

TEMP_1

SAL_0

SAL_1

seasoar_L2_protevsmed_2015_leg1_20150119T122007Z_0024.nc
Localization of cast and Cora data

cora database
protevsmed data

Theta-S diagram

TEMP_0
TEMP_1

SAL_0
SAL_1

seasoar_L2_protevsmed_2015_leg1_20150119T174324Z_0026.nc
Localization of cast and Cora data

cora database
protevsmed data

Theta-S diagram

TEMP_0

TEMP_1

SAL_0

SAL_1
Localization of cast and Cora data

Theta-S diagram

seasoar_L2_protevsmed_2015_leg1_20150120T143508Z_0030.nc
Localization of cast and Cora data

Theta-S diagram

TEMP_0

TEMP_1

SAL_0

SAL_1
Localization of cast and Cora data

cora database
protevsmed data

Theta-S diagram

TIME [days since 2015-01-01]

DEPTH

TEMP_0

TEMP_1

SAL_0

SAL_1

sea water temperature primary sensor [DEG Celsius]

sea water temperature secondary sensor [DEG Celsius]

deived sea water salinity from secondary sensor [PSU]

seasoar_L2_protevsmed_2015_leg1_20150122T233850Z_0035.nc
Localization of cast and Cora data

cora database
protevsmed data

 Theta-S diagram

TEMP_0

TEMP_1

SAL_0

SAL_1

sea water temperature primary sensor [DEG Celsius]
sea water temperature secondary sensor [DEG Celsius]
deived sea water salinity from secondary sensor [PSU]
Localization of cast and Cora data

Theta-S diagram

Sea water temperature primary sensor [°C]

Sea water salinity primary sensor [PSU]

Fluorescence: indirect measure of pigment concentration [mg m\(^{-3}\)]

Turbidity measured by WET Labs ECO BB [m\(^{-1}\) (sr\(^{-1}\)]

Light attenuation measured by WET Labs C-Star [m\(^{-1}\)]

Beam transmission measured by WET Labs C-Star [percent]
Localization of cast and Cora data

Theta-S diagram

Sea water temperature primary sensor [°C]

Sea water salinity primary sensor [PSU]

Fluorescence; indirect measure of pigment concentration [mg m⁻³]

Turbidity measured by WET Labs ECO BB [m⁻¹ sr⁻¹]

Light attenuation measured by WET Labs C-Star [m⁻¹]

Beam transmission measured by WET Labs C-Star [percent]
Localization of cast and Cora data

Theta-S diagram

Sea water temperature primary sensor [°C]

Sea water salinity primary sensor [PSU]

Fluorescence: indirect measure of pigment concentration [mg m⁻³]

Turbidity measured by WET Labs ECO BB [m⁻¹ (sr)⁻¹]

Light attenuation measured by WET Labs C-Star [m⁻¹]

Beam transmission measured by WET Labs C-Star [percent]
Localization of cast and Cora data

Theta-S diagram

Sea water temperature primary sensor [°C]

Sea water salinity primary sensor [PSU]

Fluorescence: indirect measure of pigment concentration [mg m⁻³]

Turbidity measured by WET Labs ECO BB [m⁻¹ (sr)⁻¹]

Light attenuation measured by WET Labs C-Star [m⁻¹]

Beam transmission measured by WET Labs C-Star [percent]
Localization of cast and Cora data

Theta-S diagram

Sea water temperature primary sensor [°C]

Sea water salinity primary sensor [PSU]

Fluorescence: indirect measure of pigment concentration [mg m⁻³]

Turbidity measured by WET Labs ECO BB [m⁻¹ (sr⁻¹)]

Light attenuation measured by WET Labs C-Star [m⁻¹]

Beam transmission measured by WET Labs C-Star [percent]
Localization of cast and Cora data

Theta-S diagram

sea water temperature primary sensor [°C]

sea water salinity primary sensor [PSU]

Fluorescence: indirect measure of pigment concentration [mg m⁻³]

Turbidity measured by WET Labs ECO BB [m⁻¹ (sr)⁻¹]

Light attenuation measured by WET Labs C-Star [m⁻¹]

Beam transmission measured by WET Labs C-Star [percent]
Localization of cast and Cora data

Theta-S diagram

Sea water temperature primary sensor [°C]

Sea water salinity primary sensor [PSU]

Sbeox0 Oxygen SBE43 [umol/l]
Localization of cast and Cora data

Theta-S diagram

Sea water temperature primary sensor [°Celsius]

Sea water salinity primary sensor [PSU]

SBEox0 Oxygen SBE43 [μmol/l]
Localization of cast and Cora data

Theta-S diagram

Sea water temperature primary sensor [DEG Celsius]

Sea water salinity primary sensor [PSU]

SbeoxO Oxygen SBE43 [umol/l]
Localization of cast and Cora data

Theta-S diagram

Sea water temperature primary sensor [DEG Celsius]

Sea water salinity primary sensor [PSU]

Sbeox0 Oxygen SBE43 [umol/l]
Localization of cast and Cora data

Theta-S diagram

Sea water temperature primary sensor [°C]

Sea water salinity primary sensor [PSU]

Sbeox0 Oxygen SBE43 [μmol/l]
Localization of cast and Cora data

cora database
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Sea water temperature primary sensor [DEG Celsius]

Sea water salinity primary sensor [PSU]

sbeox0 Oxygen SBE43 [umol/l]
Localization of cast and Cora data

Theta-S diagram

Sea water temperature primary sensor [°C]

Sea water salinity primary sensor [PSU]

Fluorescence: indirect measure of pigment concentration [mg m⁻³]

Turbidity measured by WET Labs ECO BB [m⁻¹ (sr⁻¹)]

Light attenuation measured by WET Labs C-Star [m⁻¹]

Beam transmission measured by WET Labs C-Star [percent]
Localization of cast and Cora data

Theta-S diagram

sea water temperature primary sensor [DEG Celsius]

sea water salinity primary sensor [PSU]

Fluorescence : indirect measure of pigment concentration [mg m-3]

Turbidity measured by WET Labs ECO BB [m-1 (sr)-1]

Light attenuation measured by WET Labs C-Star [m-1]

Beam transmission measured by WET Labs C-Star [percent]
Localization of cast and Cora data

Theta-S diagram

Sea water temperature primary sensor [°C]

Sea water salinity primary sensor [PSU]

Fluorescence: indirect measure of pigment concentration [mg m⁻³]

Turbidity measured by WET Labs ECO BB [m⁻¹ (sr)⁻¹]

Light attenuation measured by WET Labs C-Star [m⁻¹]

Beam transmission measured by WET Labs C-Star [percent]
Localization of cast and Cora data

Theta-S diagram

Sea water temperature primary sensor [°C]

Sea water salinity primary sensor [PSU]

Fluorescence; indirect measure of pigment concentration [mg m⁻³]

Turbidity measured by WET Labs ECO BB [m⁻¹ (sr⁻¹)]

Light attenuation measured by WET Labs C-Star [m⁻¹]

Beam transmission measured by WET Labs C-Star [percent]
Localization of cast and Cora data

Theta-S diagram

Sea water temperature primary sensor [DEG Celsius]

Sea water salinity primary sensor [PSU]

sbeox0 Oxygen SBE43 [umol/l]
Localization of cast and Cora data

Theta-S diagram

Sea water temperature primary sensor [°C]

Sea water salinity primary sensor [PSU]

sbeox0 Oxygen SBE43 [umol/l]
Localization of cast and Cora data

Theta-S diagram

Sea water temperature primary sensor [DEG Celsius]

Sea water salinity primary sensor [PSU]

Sbeox0 Oxygen SBE43 [umol/l]
Localization of cast and Cora data

Theta-S diagram

sea water temperature primary sensor [DEG Celsius]

sea water salinity primary sensor [PSU]

sbeox0 Oxygen SBE43 [umol/l]
Localization of cast and Cora data

Theta-S diagram

Sea water temperature primary sensor [°Celsius]

Sea water salinity primary sensor [PSU]

Sbeox0 Oxygen SBE43 [umol/l]
Localization of cast and Cora data

Theta-S diagram

Sea water temperature primary sensor [DEG Celsius]

Sea water salinity primary sensor [PSU]

sbeox0 Oxygen SBE43 [umol/l]
Localization of cast and Cora data

Sea water temperature [DEG Celsius]

xbt_L2_protevsmed_2015_leg1_20150109T203800Z_0001.nc
Localization of cast and Cora data

cora database

sea water temperature [DEG Celsius]

descent
cora database
Localization of cast and Cora data

cora database

descert

cora database

sea water temperature [DEG Celsius]

xbt_L2_protevsmed_2015_leg1_20150110T062000Z_0003.nc
Localization of cast and Cora data

descent

cora database

time

sea water temperature [DEG Celsius]

xbt_L2_protevsmed_2015_leg1_20150110T115600Z_0004.nc
Localization of cast and Cora data

descert
cora database
protevsmed data

Sea water temperature [°Celsius]

xbt_L2_protevsmed_2015_leg1_20150111T010400Z_0005.nc
Localization of cast and Cora data

Sea water temperature [DEG Celsius]

xbt_L2_protevsmed_2015_leg1_20150111T122600Z_0006.nc
Localization of cast and Cora data

Sea water temperature [DEG Celsius]
Localization of cast and Cora data

cora database

sea water temperature [°C]

descent
Localization of cast and Cora data

Sea water temperature [°Celsius]
Localization of cast and Cora data

Sea water temperature [DEG Celsius]

xbt_L2_protevsmed_2015_leg1_20150114T220500Z_0013.nc
Localization of cast and Cora data

Sea water temperature [DEG Celsius]
Localization of cast and Cora data

Sea water temperature [°C]

xbt_L2_protevsmed_2015_leg1_20150115T065100Z_0015.nc
Localization of cast and Cora data

Sea water temperature [DEG Celsius]
Localization of cast and Cora data

Sea water temperature [°C Celsius]

Descent
Cora database
Localization of cast and Cora data

cora database

sea water temperature [DEG Celsius]

descent

cora database
Localization of cast and Cora data

Sea water temperature [DEG Celsius]
Localization of cast and Cora data

cora database

sea water temperature [DEG Celsius]

descent
cora database

xbt_L2_protevsmed_2015_leg1_20150117T174500Z_0022.nc
Localization of cast and Cora data

Sea water temperature [°C]

xbt_L2_protevsmed_2015_leg1_20150118T015700Z_0023.nc
Localization of cast and Cora data

Sea water temperature [DEG Celsius]

xbt_L2_protevsmed_2015_leg1_20150120T073800Z_0025.nc
Localization of cast and Cora data

cora database
protevsmed data

sea water temperature [DEG Celsius]

descent
cora database

xbt_L2_protevsmed_2015_leg1_20150121T020300Z_0026.nc
Localization of cast and Cora data

Sea water temperature [°Celsius]

xbt_L2_protevsmed_2015_leg1_20150121T183500Z_0027.nc
Localization of cast and Cora data

Sea water temperature [DEG Celsius]
Localization of cast and Cora data

Sea water temperature [DEG Celsius]