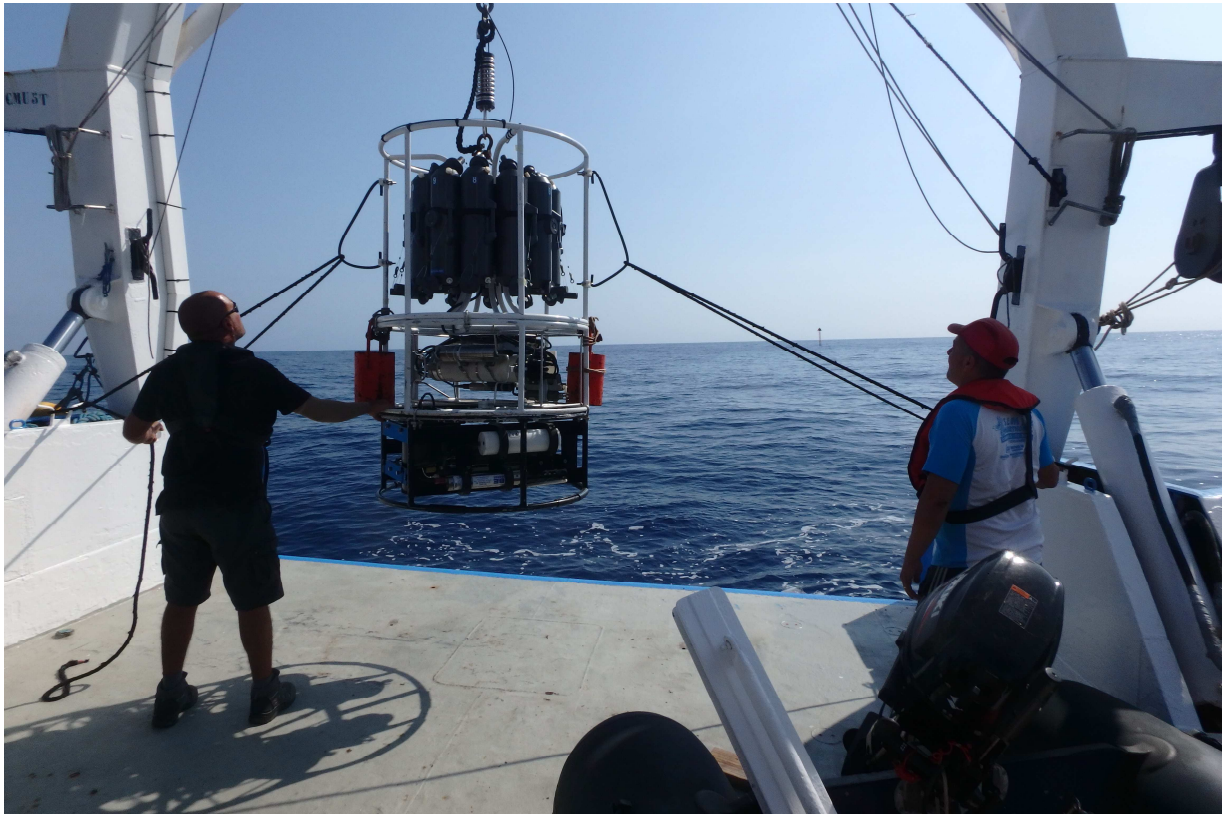


BOUSSOLE PROJECT

CTD Data catalogue for 2017 Cruise 179 to cruise 190

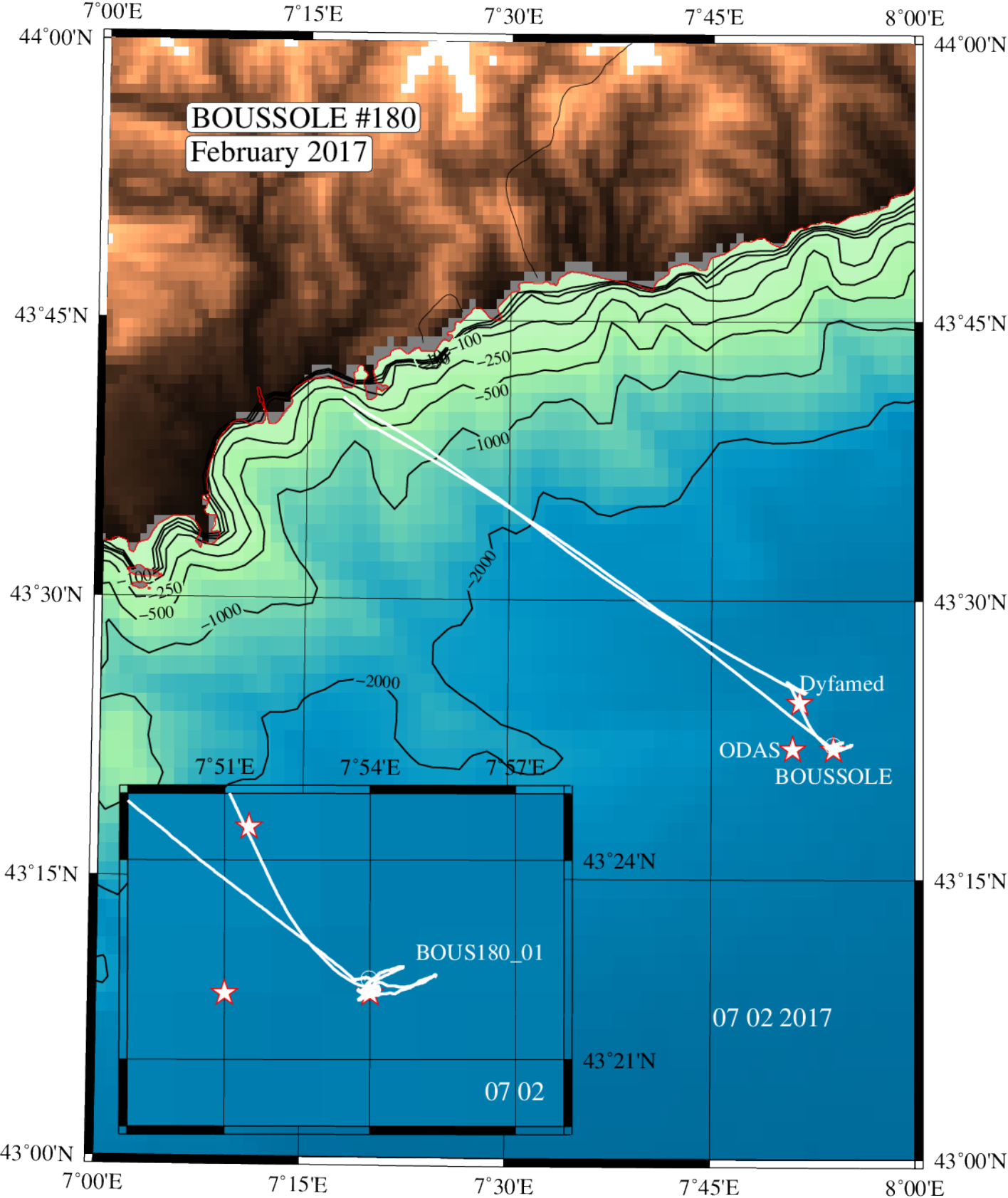
Laboratoire d'Océanographie de Villefranche (LOV), 06238 Villefranche sur mer cedex, France



Deployment of the CTD Rosette on the BOUSSOLE site. The upper superstructure of the BOUSSOLE buoy is seen on the background of the picture.

ESA/ESRIN contract N° 4000119096/17/I-BG





Date: 01/08/2018

Instrument configuration file: C:\boussole\Data\CTD\2017\B180\raw\ConfigCTD-fev2017.xmlcon

Configuration report for SBE 911plus/917plus CTD

Frequency channels suppressed : 2
Voltage words suppressed : 0
Computer interface : RS-232C
Deck unit : SBE11plus Firmware Version >= 5.0
Scans to average : 1
NMEA position data added : Yes
NMEA depth data added : No
NMEA time added : No
NMEA device connected to : deck unit
Surface PAR voltage added : No
Scan time added : No

1) Frequency 0, Temperature

Serial number : 2473
Calibrated on : 19-Mar-16
G : 4.36727268e-003
H : 6.43194228e-004
I : 2.33944433e-005
J : 2.23050947e-006
F0 : 1000.000
Slope : 1.00000000
Offset : 0.0000

2) Frequency 1, Conductivity

Serial number : 1313
Calibrated on : 22-Mar-16
G : -3.93928139e+000
H : 4.71438294e-001
I : -2.27439509e-004
J : 3.96041028e-005
CTcor : 3.2500e-006
CPcor : -9.57000000e-008
Slope : 1.00000000
Offset : 0.00000

3) Frequency 2, Pressure, Digiquartz with TC

Serial number : 0294
Calibrated on : 22-Feb-13
C1 : -4.258473e+004
C2 : 1.874931e-001
C3 : 1.368020e-002
D1 : 3.936700e-002
D2 : 0.000000e+000
T1 : 3.021404e+001
T2 : -2.815189e-004
T3 : 4.591050e-006
T4 : 1.633320e-009
T5 : 0.000000e+000
Slope : 0.99982000
Offset : -1.63630
AD590M : 1.145000e-002
AD590B : -8.133300e+000

4) A/D voltage 0, Oxygen, SBE 43

Serial number : 0587
Calibrated on : 18-Mar-16
Equation : Sea-Bird
Soc : 4.19970e-001
Offset : -7.02200e-001
A : -4.33900e-003
B : 1.64060e-004
C : -2.57660e-006
E : 3.60000e-002
Tau20 : 1.50000e+000

D1 : 1.92634e-004
D2 : -4.64803e-002
H1 : -3.30000e-002
H2 : 5.00000e+003
H3 : 1.45000e+003

5) A/D voltage 1, Free

6) A/D voltage 2, Fluorometer, Chelsea Aqua 3

Serial number : 088-094
Calibrated on : 12-Nov-15
VB : 0.311200
V1 : 2.082900
Vacetone : 0.434600
Scale factor : 1.000000
Slope : 1.000000
Offset : 0.000000

7) A/D voltage 3, Transmissometer, WET Labs C-Star

Serial number : 887DR
Calibrated on : 11-Sep-15
M : 21.3083
B : -0.1065
Path length : 0.250

8) A/D voltage 4, User Polynomial

Serial number : 171
Calibrated on : 19-May-14
Sensor name : RINKOIII_DO
A0 : 0.00000000
A1 : 1.00000000
A2 : 0.00000000
A3 : 0.00000000

9) A/D voltage 5, User Polynomial, 2

Serial number : 171
Calibrated on : 12-May-14
Sensor name : RINKOIII_Temp
A0 : -5.25367500
A1 : 16.66254000
A2 : -2.13105300
A3 : 0.45564880

10) A/D voltage 6, Altimeter

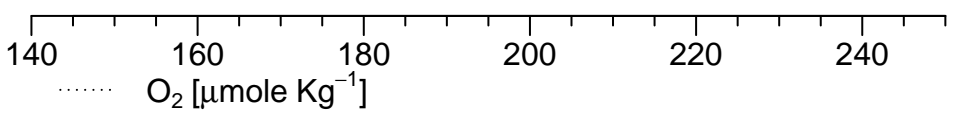
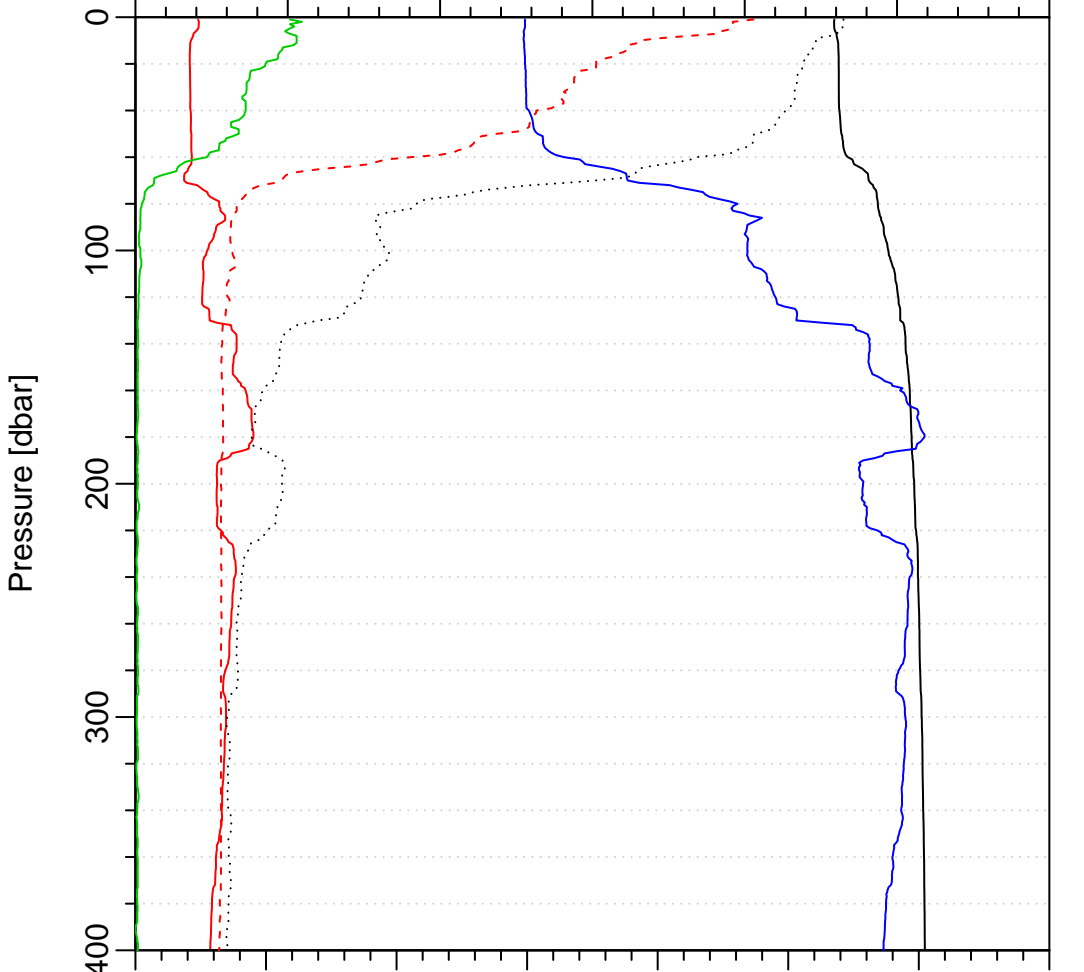
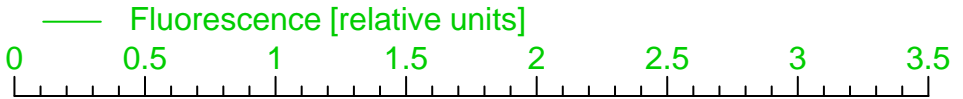
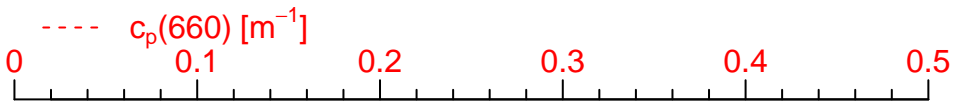
Serial number : 464
Calibrated on : 10-Nov-95
Scale factor : 5.000
Offset : 0.000

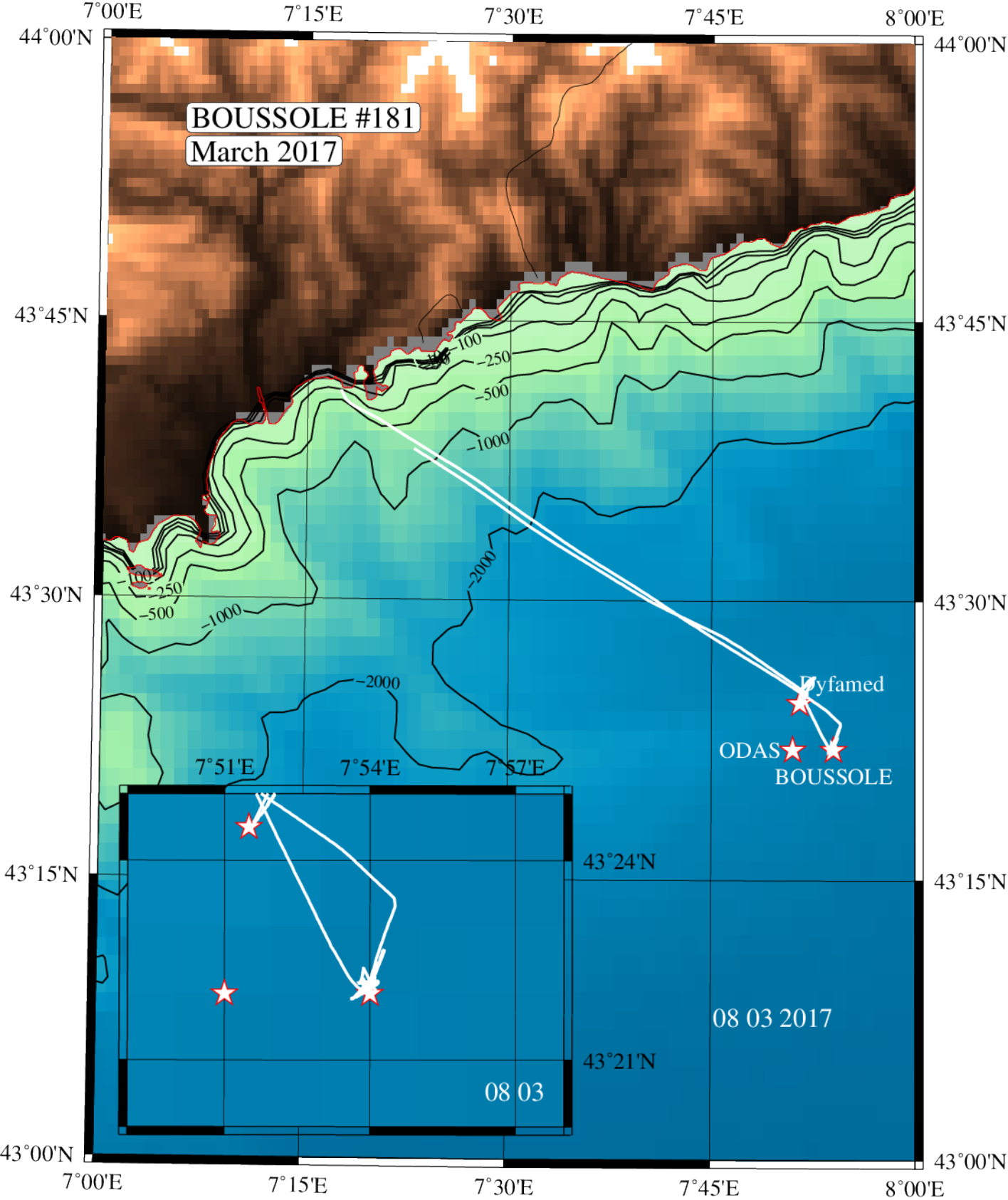
11) A/D voltage 7, Free

Scan length : 31

bous180_01

Date = 07/02/2017
Heure debut [TU] = 16:37
Longitude = 007 53.98 E
Latitude = 43 22.21 N





Date: 01/08/2018

Instrument configuration file: C:\boussole\Data\CTD\2017\B181\raw\ConfigCTD-mar2017.xmlcon

Configuration report for SBE 911plus/917plus CTD

Frequency channels suppressed : 2
Voltage words suppressed : 0
Computer interface : RS-232C
Deck unit : SBE11plus Firmware Version >= 5.0
Scans to average : 1
NMEA position data added : Yes
NMEA depth data added : No
NMEA time added : No
NMEA device connected to : deck unit
Surface PAR voltage added : No
Scan time added : No

1) Frequency 0, Temperature

Serial number : 2473
Calibrated on : 19-Mar-16
G : 4.36727268e-003
H : 6.43194228e-004
I : 2.33944433e-005
J : 2.23050947e-006
F0 : 1000.000
Slope : 1.00000000
Offset : 0.0000

2) Frequency 1, Conductivity

Serial number : 1313
Calibrated on : 22-Mar-16
G : -3.93928139e+000
H : 4.71438294e-001
I : -2.27439509e-004
J : 3.96041028e-005
CTcor : 3.2500e-006
CPcor : -9.57000000e-008
Slope : 1.00000000
Offset : 0.00000

3) Frequency 2, Pressure, Digiquartz with TC

Serial number : 0294
Calibrated on : 22-Feb-13
C1 : -4.258473e+004
C2 : 1.874931e-001
C3 : 1.368020e-002
D1 : 3.936700e-002
D2 : 0.000000e+000
T1 : 3.021404e+001
T2 : -2.815189e-004
T3 : 4.591050e-006
T4 : 1.633320e-009
T5 : 0.000000e+000
Slope : 0.99982000
Offset : -1.63630
AD590M : 1.145000e-002
AD590B : -8.133300e+000

4) A/D voltage 0, Oxygen, SBE 43

Serial number : 0587
Calibrated on : 18-Mar-16
Equation : Sea-Bird
Soc : 4.19970e-001
Offset : -7.02200e-001
A : -4.33900e-003
B : 1.64060e-004
C : -2.57660e-006
E : 3.60000e-002
Tau20 : 1.50000e+000

D1 : 1.92634e-004
D2 : -4.64803e-002
H1 : -3.30000e-002
H2 : 5.00000e+003
H3 : 1.45000e+003

5) A/D voltage 1, Free

6) A/D voltage 2, Fluorometer, Chelsea Aqua 3

Serial number : 088-094
Calibrated on : 12-Nov-15
VB : 0.311200
V1 : 2.082900
Vacetone : 0.434600
Scale factor : 1.000000
Slope : 1.000000
Offset : 0.000000

7) A/D voltage 3, Transmissometer, WET Labs C-Star

Serial number : 887DR
Calibrated on : 11-Sep-15
M : 21.3083
B : -0.1065
Path length : 0.250

8) A/D voltage 4, User Polynomial

Serial number : 171
Calibrated on : 19-May-14
Sensor name : RINKOIII_DO
A0 : 0.00000000
A1 : 1.00000000
A2 : 0.00000000
A3 : 0.00000000

9) A/D voltage 5, User Polynomial, 2

Serial number : 171
Calibrated on : 12-May-14
Sensor name : RINKOIII_Temp
A0 : -5.25367500
A1 : 16.66254000
A2 : -2.13105300
A3 : 0.45564880

10) A/D voltage 6, Altimeter

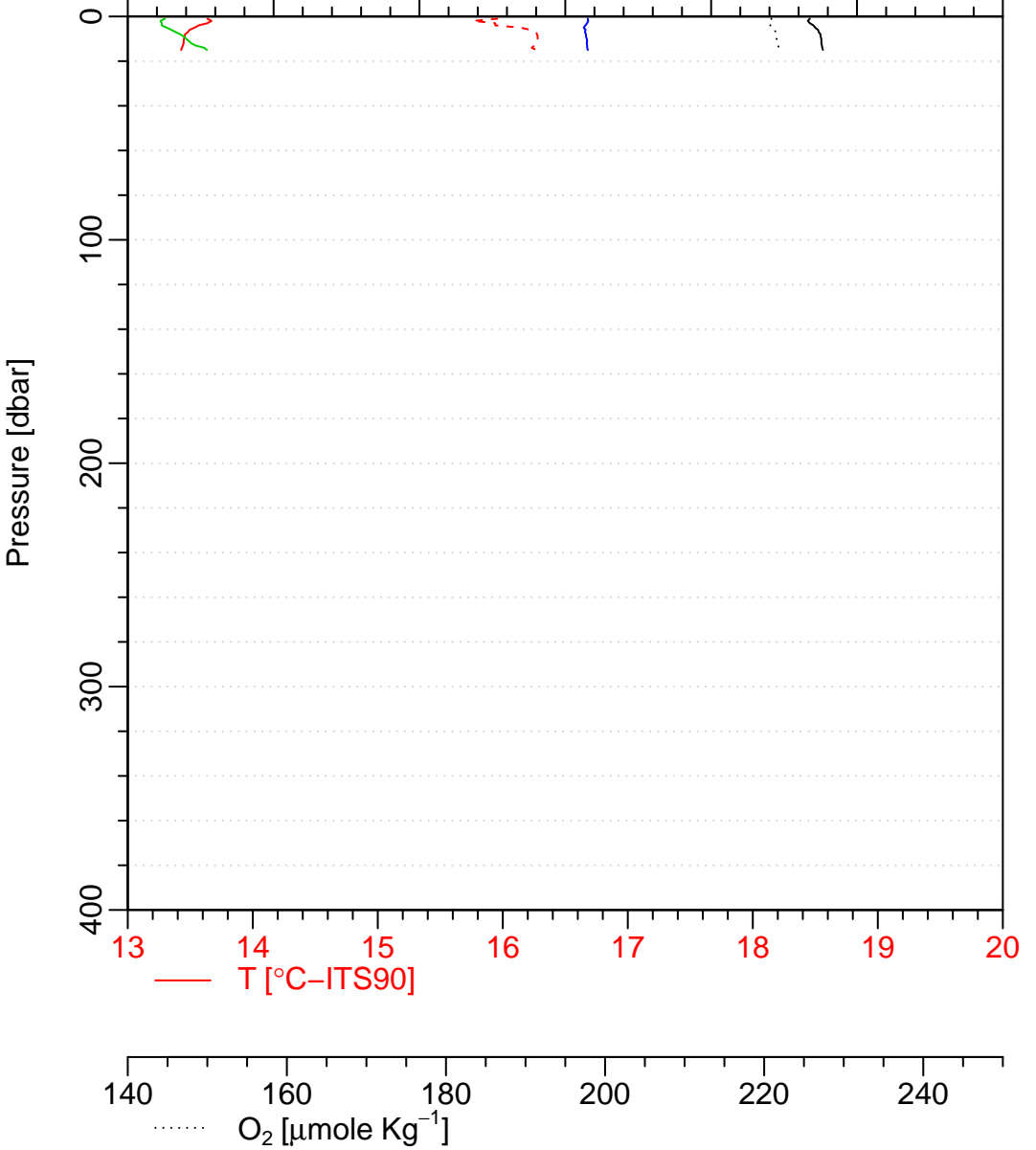
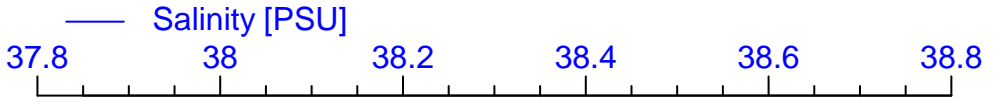
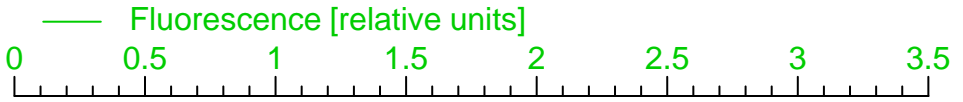
Serial number : 464
Calibrated on : 10-Nov-95
Scale factor : 5.000
Offset : 0.000

11) A/D voltage 7, Free

Scan length : 31

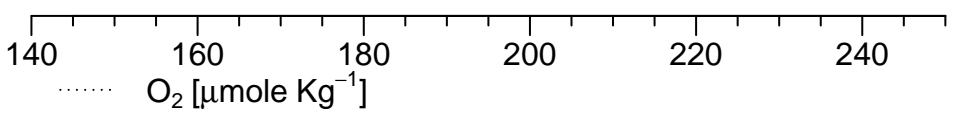
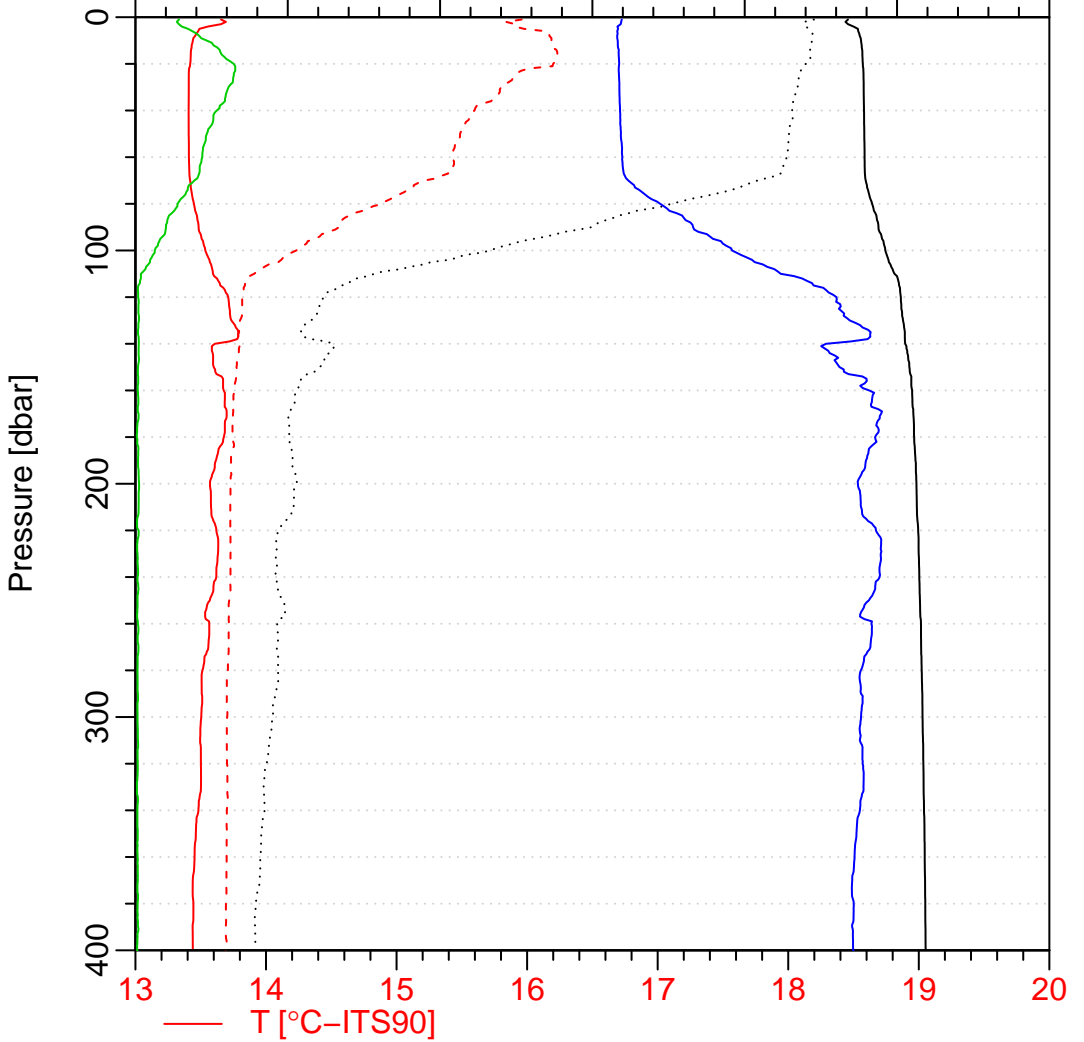
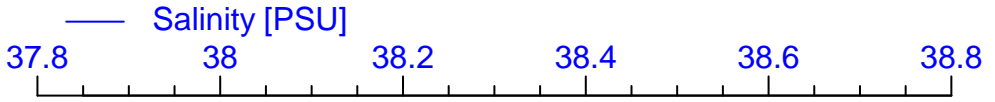
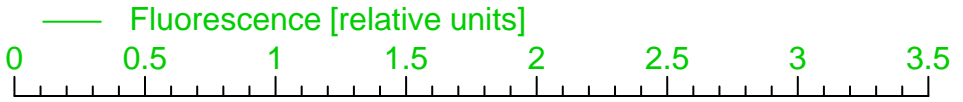
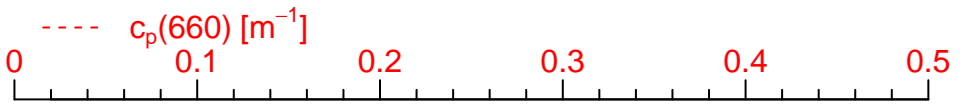
bous181_01

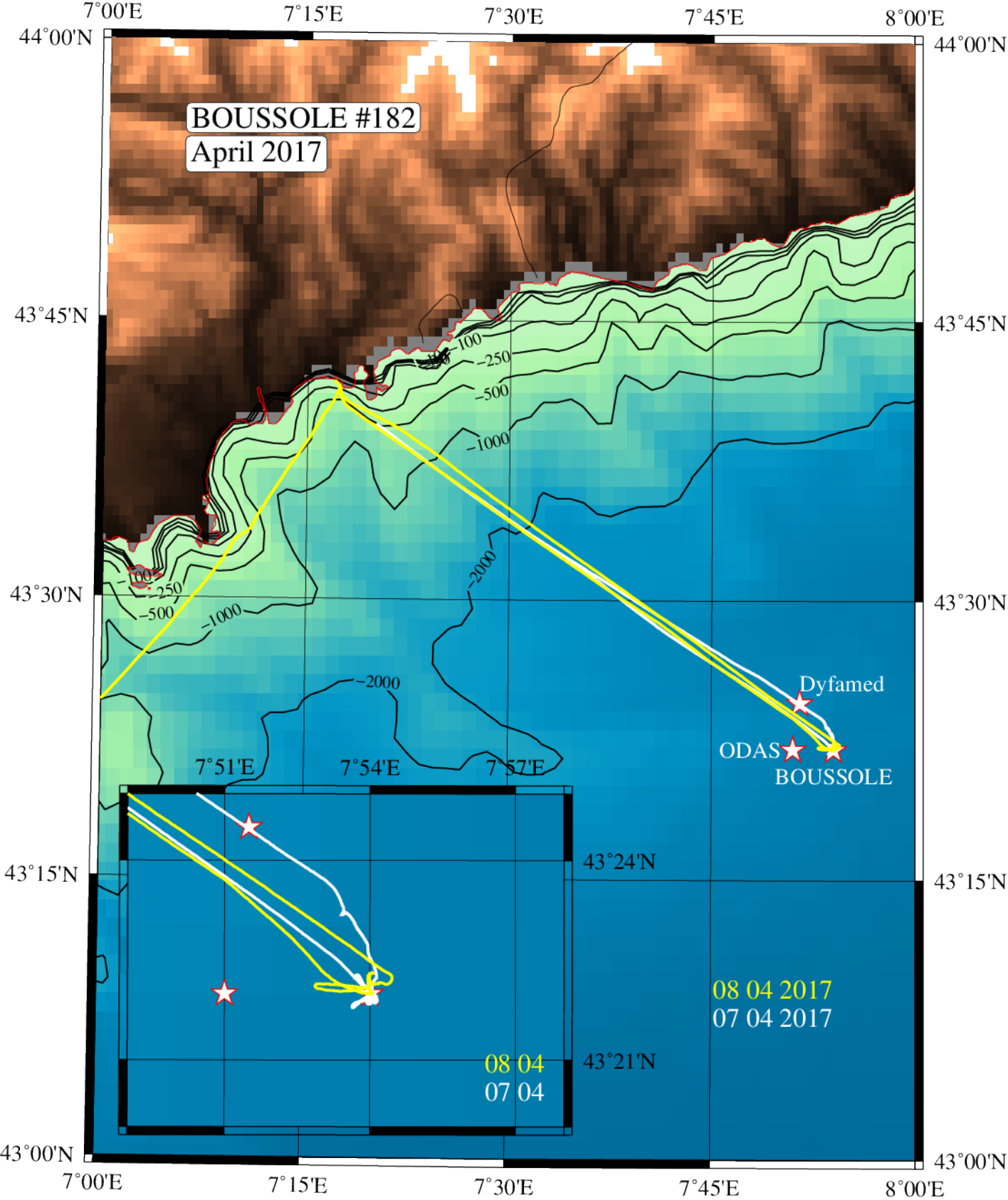
Date = 08/03/2017
Heure debut [TU] = 13:36
Longitude = 007 53.98 E
Latitude = 43 22.17 N



bous181_02

Date = 08/03/2017
Heure debut [TU] = 14:44
Longitude = 007 53.85 E
Latitude = 43 22.15 N





Date: 01/08/2018

Instrument configuration file: C:\boussole\Data\CTD\2017\B182\raw\ConfigCTD-avril2017.xmlcon

Configuration report for SBE 911plus/917plus CTD

Frequency channels suppressed : 2
Voltage words suppressed : 0
Computer interface : RS-232C
Deck unit : SBE11plus Firmware Version >= 5.0
Scans to average : 1
NMEA position data added : Yes
NMEA depth data added : No
NMEA time added : No
NMEA device connected to : deck unit
Surface PAR voltage added : No
Scan time added : No

1) Frequency 0, Temperature

Serial number : 2473
Calibrated on : 19-Mar-16
G : 4.36727268e-003
H : 6.43194228e-004
I : 2.33944433e-005
J : 2.23050947e-006
F0 : 1000.000
Slope : 1.00000000
Offset : 0.0000

2) Frequency 1, Conductivity

Serial number : 1313
Calibrated on : 22-Mar-16
G : -3.93928139e+000
H : 4.71438294e-001
I : -2.27439509e-004
J : 3.96041028e-005
CTcor : 3.2500e-006
CPcor : -9.57000000e-008
Slope : 1.00000000
Offset : 0.00000

3) Frequency 2, Pressure, Digiquartz with TC

Serial number : 0294
Calibrated on : 22-Feb-13
C1 : -4.258473e+004
C2 : 1.874931e-001
C3 : 1.368020e-002
D1 : 3.936700e-002
D2 : 0.000000e+000
T1 : 3.021404e+001
T2 : -2.815189e-004
T3 : 4.591050e-006
T4 : 1.633320e-009
T5 : 0.000000e+000
Slope : 0.99982000
Offset : -1.63630
AD590M : 1.145000e-002
AD590B : -8.133300e+000

4) A/D voltage 0, Oxygen, SBE 43

Serial number : 0587
Calibrated on : 18-Mar-16
Equation : Sea-Bird
Soc : 4.19970e-001
Offset : -7.02200e-001
A : -4.33900e-003
B : 1.64060e-004
C : -2.57660e-006
E : 3.60000e-002
Tau20 : 1.50000e+000

D1 : 1.92634e-004
D2 : -4.64803e-002
H1 : -3.30000e-002
H2 : 5.00000e+003
H3 : 1.45000e+003

5) A/D voltage 1, Free

6) A/D voltage 2, Fluorometer, Chelsea Aqua 3

Serial number : 088-094
Calibrated on : 12-Nov-15
VB : 0.311200
V1 : 2.082900
Vacetone : 0.434600
Scale factor : 1.000000
Slope : 1.000000
Offset : 0.000000

7) A/D voltage 3, Transmissometer, WET Labs C-Star

Serial number : 887DR
Calibrated on : 11-Sep-15
M : 21.3083
B : -0.1065
Path length : 0.250

8) A/D voltage 4, User Polynomial

Serial number : 171
Calibrated on : 19-May-14
Sensor name : RINKOIII_DO
A0 : 0.00000000
A1 : 1.00000000
A2 : 0.00000000
A3 : 0.00000000

9) A/D voltage 5, User Polynomial, 2

Serial number : 171
Calibrated on : 12-May-14
Sensor name : RINKOIII_Temp
A0 : -5.25367500
A1 : 16.66254000
A2 : -2.13105300
A3 : 0.45564880

10) A/D voltage 6, Altimeter

Serial number : 464
Calibrated on : 10-Nov-95
Scale factor : 5.000
Offset : 0.000

11) A/D voltage 7, Free

Scan length : 31

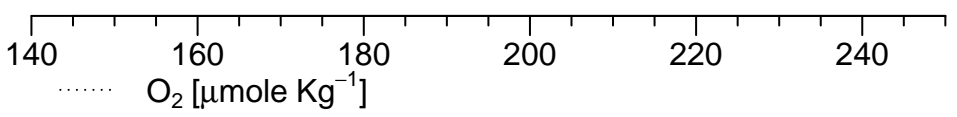
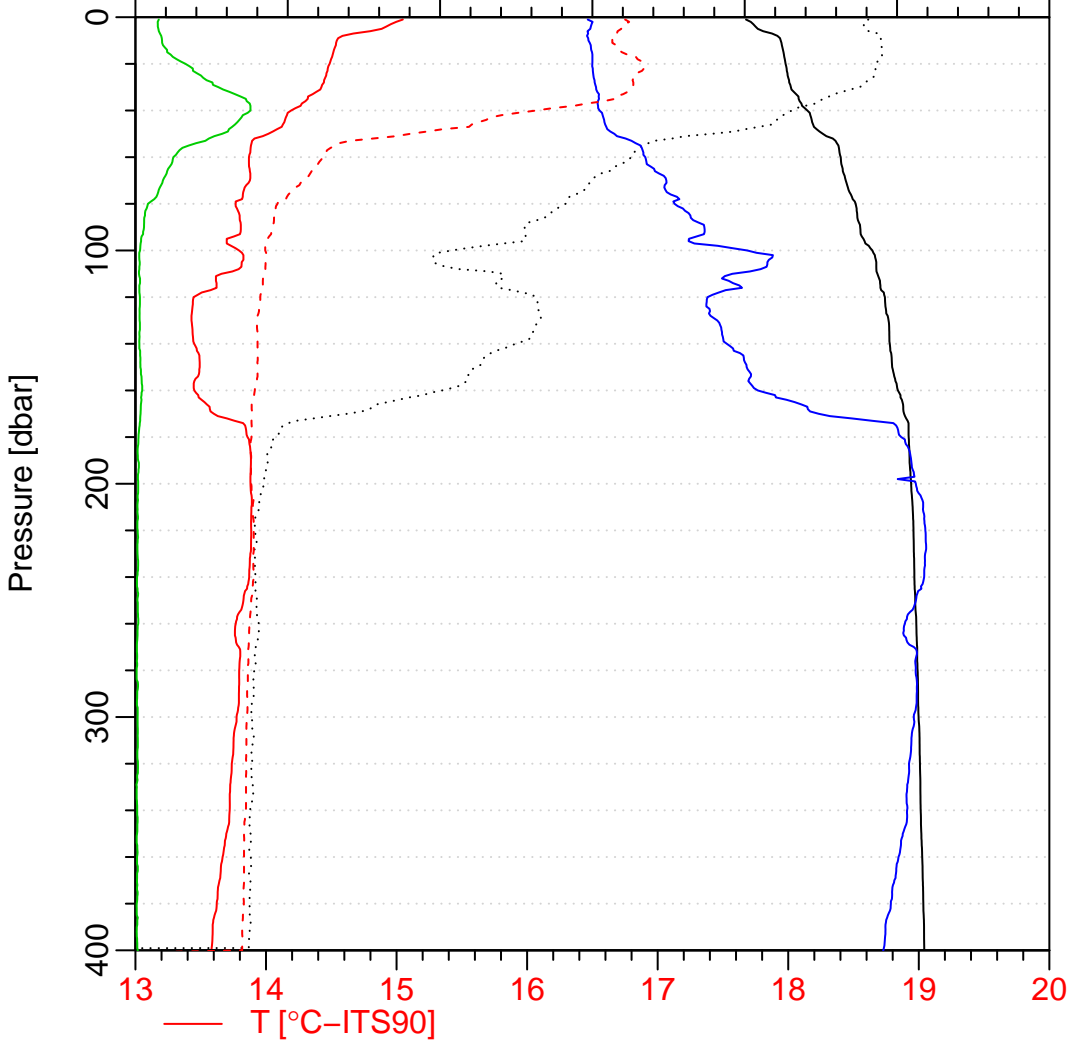
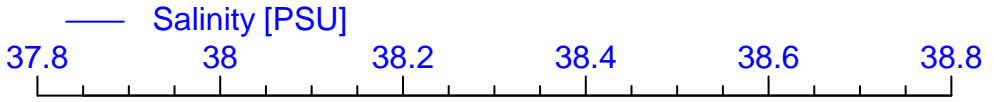
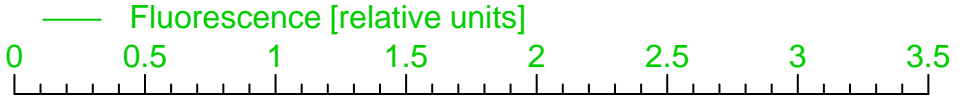
bous182_01

Date = 07/04/2017

Heure debut [TU] = 11:03

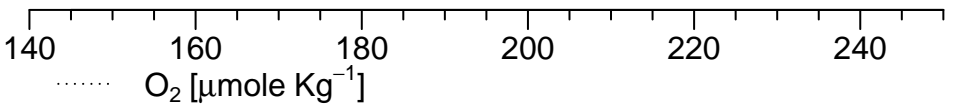
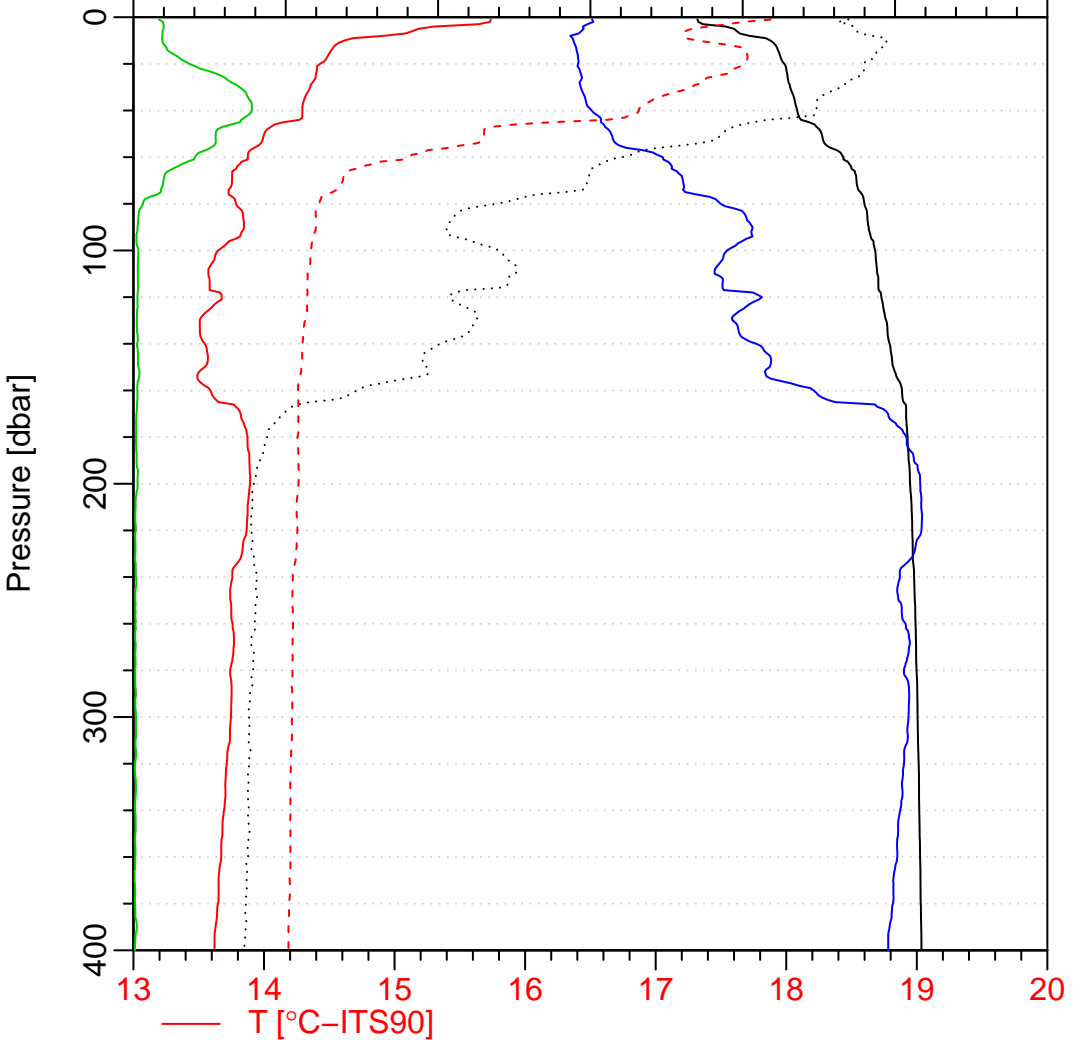
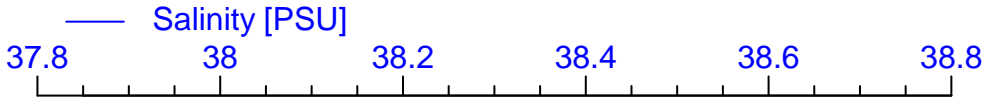
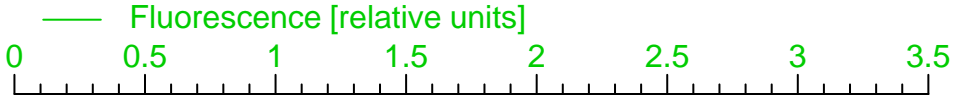
Longitude = 007 53.983 E

Latitude = 43 21.965 N



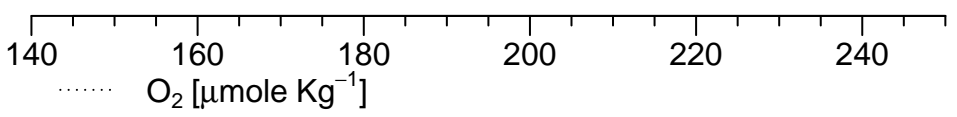
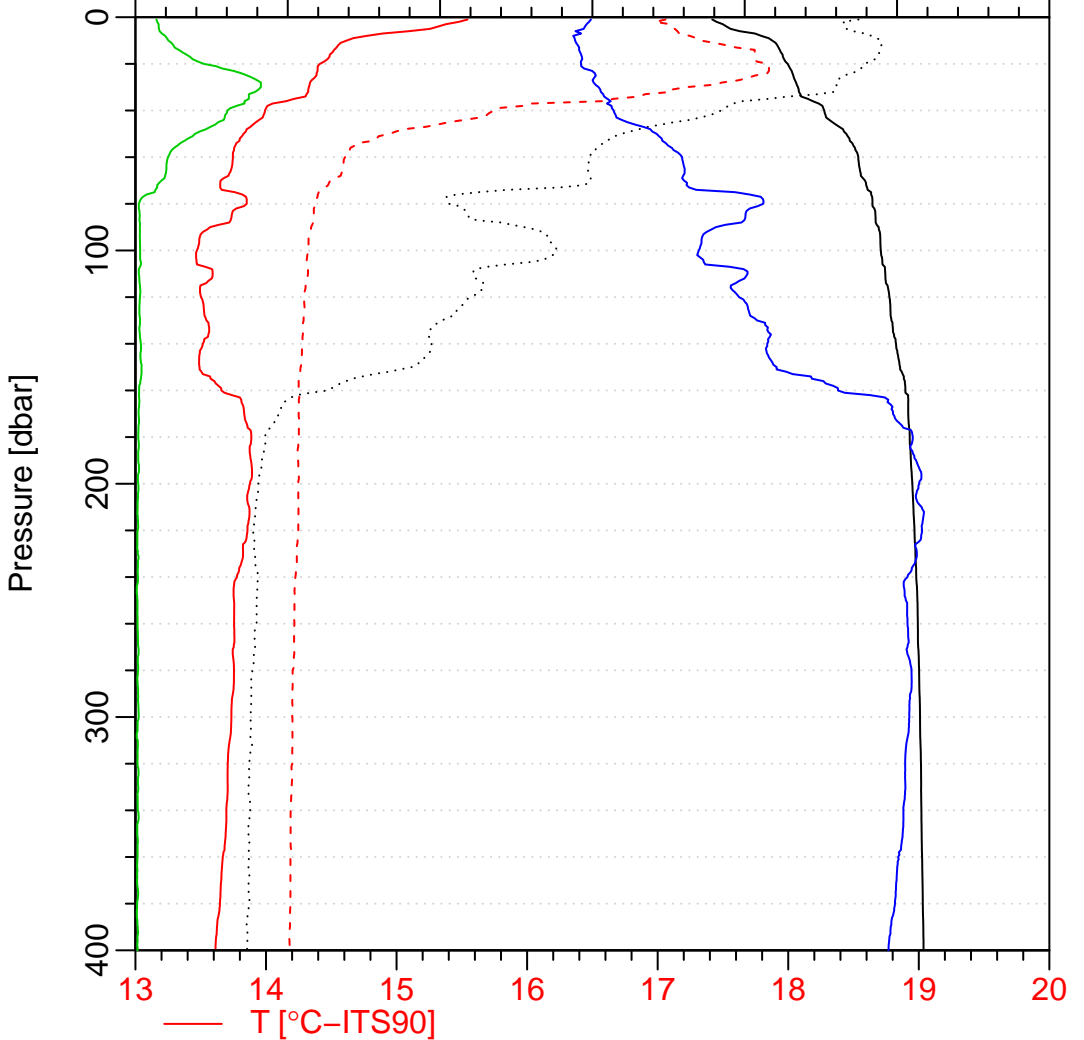
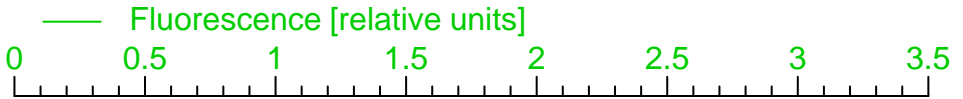
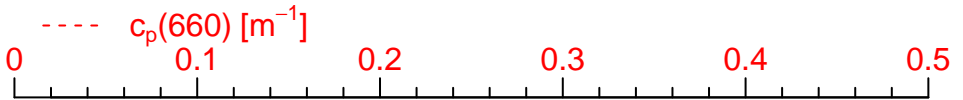
bous182_02

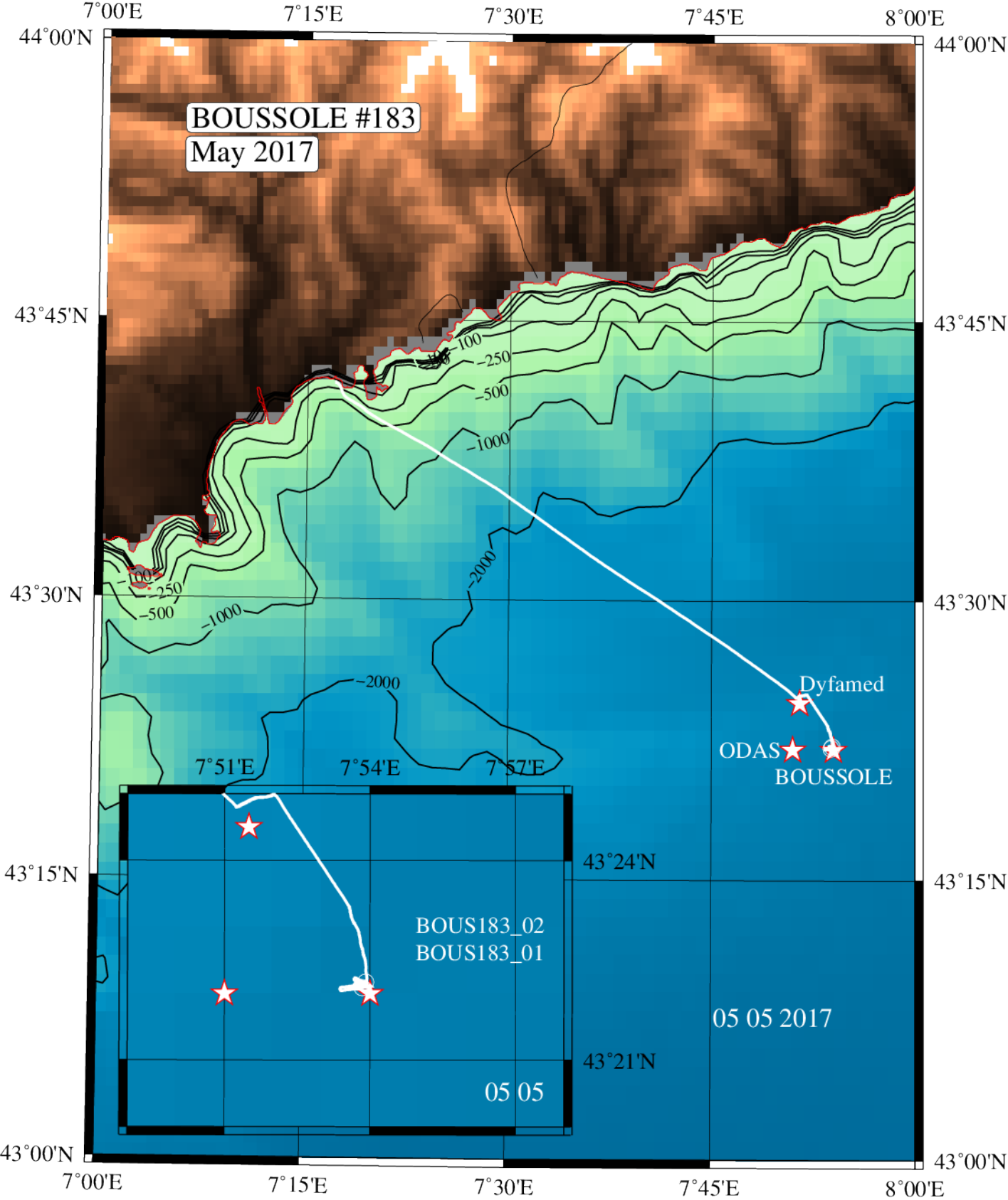
Date = 08/04/2017
Heure debut [TU] = 10:20
Longitude = 007 53.987 E
Latitude = 43 22.112 N



bous182_03

Date = 08/04/2017
Heure debut [TU] = 12:05
Longitude = 007 54.096 E
Latitude = 43 22.145 N





Date: 01/08/2018

Instrument configuration file: C:\boussole\Data\CTD\2017\B183\raw\ConfigCTD-mai2017.XMLCON

Configuration report for SBE 911plus/917plus CTD

Frequency channels suppressed : 2
Voltage words suppressed : 0
Computer interface : RS-232C
Deck unit : SBE11plus Firmware Version >= 5.0
Scans to average : 1
NMEA position data added : Yes
NMEA depth data added : No
NMEA time added : No
NMEA device connected to : deck unit
Surface PAR voltage added : No
Scan time added : No

1) Frequency 0, Temperature

Serial number : 2473
Calibrated on : 19-Mar-16
G : 4.36727268e-003
H : 6.43194228e-004
I : 2.33944433e-005
J : 2.23050947e-006
F0 : 1000.000
Slope : 1.00000000
Offset : 0.0000

2) Frequency 1, Conductivity

Serial number : 1313
Calibrated on : 22-Mar-16
G : -3.93928139e+000
H : 4.71438294e-001
I : -2.27439509e-004
J : 3.96041028e-005
CTcor : 3.2500e-006
CPcor : -9.57000000e-008
Slope : 1.00000000
Offset : 0.00000

3) Frequency 2, Pressure, Digiquartz with TC

Serial number : 0294
Calibrated on : 22-Feb-13
C1 : -4.258473e+004
C2 : 1.874931e-001
C3 : 1.368020e-002
D1 : 3.936700e-002
D2 : 0.000000e+000
T1 : 3.021404e+001
T2 : -2.815189e-004
T3 : 4.591050e-006
T4 : 1.633320e-009
T5 : 0.000000e+000
Slope : 0.99982000
Offset : -1.63630
AD590M : 1.145000e-002
AD590B : -8.133300e+000

4) A/D voltage 0, Oxygen, SBE 43

Serial number : 0587
Calibrated on : 18-Mar-16
Equation : Sea-Bird
Soc : 4.19970e-001
Offset : -7.02200e-001
A : -4.33900e-003
B : 1.64060e-004
C : -2.57660e-006
E : 3.60000e-002
Tau20 : 1.50000e+000

D1 : 1.92634e-004
D2 : -4.64803e-002
H1 : -3.30000e-002
H2 : 5.00000e+003
H3 : 1.45000e+003

5) A/D voltage 1, Free

6) A/D voltage 2, Fluorometer, Chelsea Aqua 3

Serial number : 088-094
Calibrated on : 12-Nov-15
VB : 0.311200
V1 : 2.082900
Vacetone : 0.434600
Scale factor : 1.000000
Slope : 1.000000
Offset : 0.000000

7) A/D voltage 3, Transmissometer, WET Labs C-Star

Serial number : 887DR
Calibrated on : 11-Sep-15
M : 21.3083
B : -0.1065
Path length : 0.250

8) A/D voltage 4, User Polynomial

Serial number : 171
Calibrated on : 19-May-14
Sensor name : RINKOIII_DO
A0 : 0.00000000
A1 : 1.00000000
A2 : 0.00000000
A3 : 0.00000000

9) A/D voltage 5, User Polynomial, 2

Serial number : 171
Calibrated on : 12-May-14
Sensor name : RINKOIII_Temp
A0 : -5.25367500
A1 : 16.66254000
A2 : -2.13105300
A3 : 0.45564880

10) A/D voltage 6, Altimeter

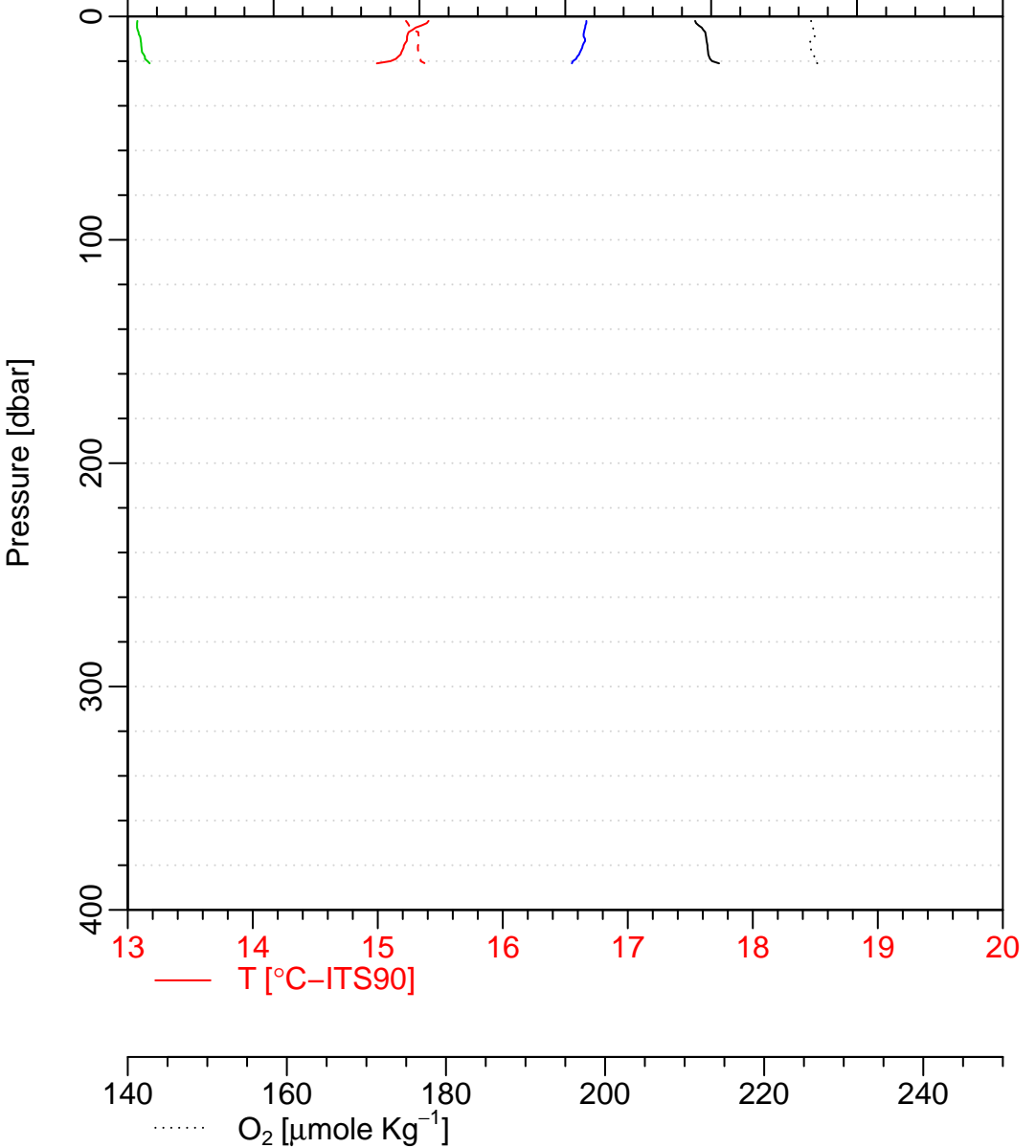
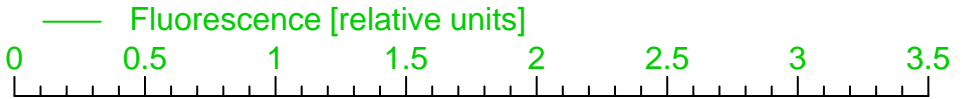
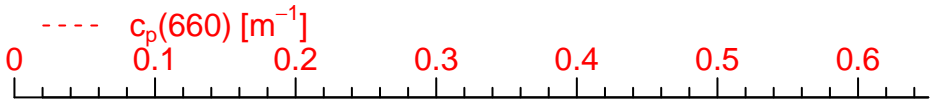
Serial number : 464
Calibrated on : 10-Nov-95
Scale factor : 5.000
Offset : 0.000

11) A/D voltage 7, Free

Scan length : 31

bous183_01

Date = 05/05/2017
Heure debut [TU] = 09:27
Longitude = 007 53.839 E
Latitude = 43 22.087 N



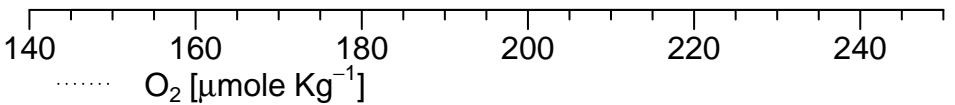
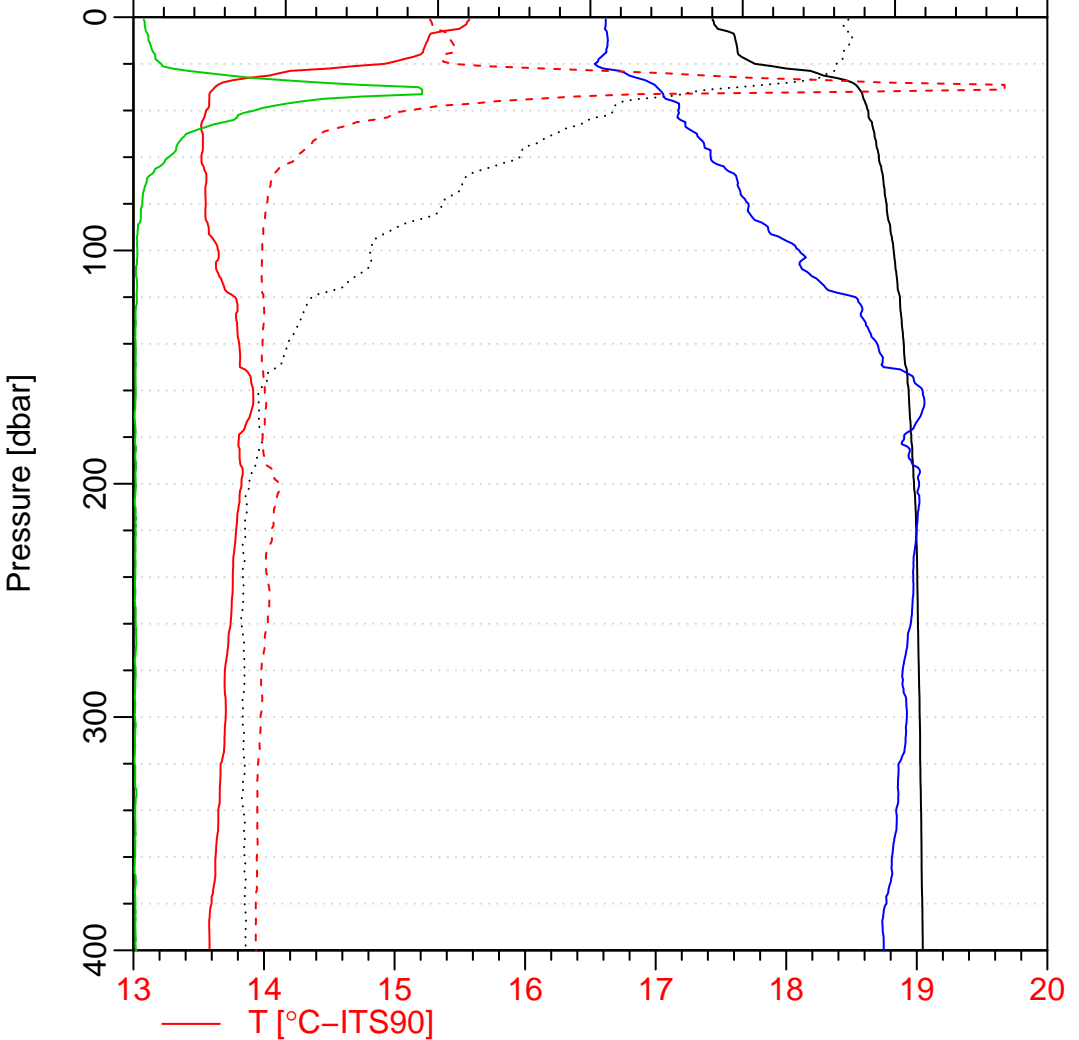
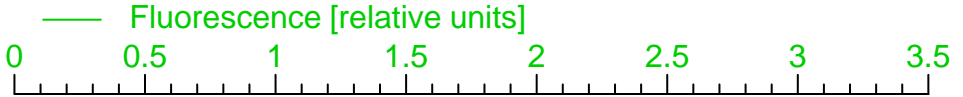
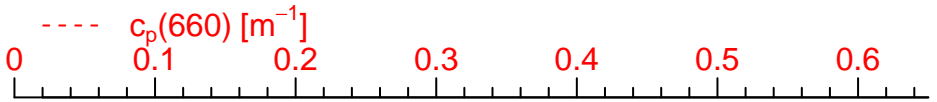
bous183_02

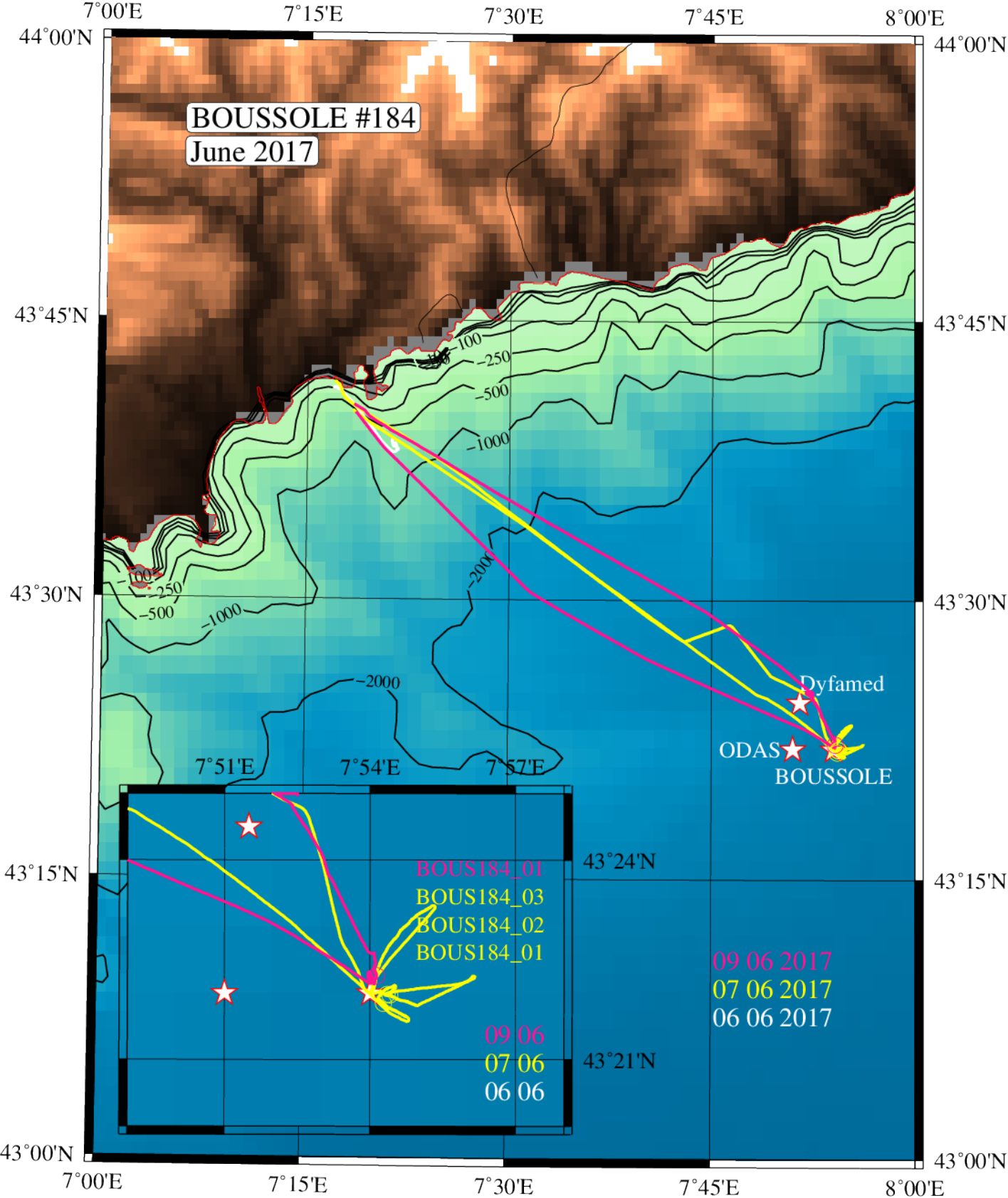
Date = 05/05/2017

Heure debut [TU] = 11:57

Longitude = 007 53.910 E

Latitude = 43 22.172 N





Date: 01/08/2018

Instrument configuration file: C:\boussole\Data\CTD\2017\B184\raw\ConfigCTD-juin2017.xmlcon

Configuration report for SBE 911plus/917plus CTD

Frequency channels suppressed : 2
Voltage words suppressed : 0
Computer interface : RS-232C
Deck unit : SBE11plus Firmware Version >= 5.0
Scans to average : 1
NMEA position data added : Yes
NMEA depth data added : No
NMEA time added : No
NMEA device connected to : deck unit
Surface PAR voltage added : No
Scan time added : No

1) Frequency 0, Temperature

Serial number : 2473
Calibrated on : 19-Mar-16
G : 4.36727268e-003
H : 6.43194228e-004
I : 2.33944433e-005
J : 2.23050947e-006
F0 : 1000.000
Slope : 1.00000000
Offset : 0.0000

2) Frequency 1, Conductivity

Serial number : 1313
Calibrated on : 22-Mar-16
G : -3.93928139e+000
H : 4.71438294e-001
I : -2.27439509e-004
J : 3.96041028e-005
CTcor : 3.2500e-006
CPcor : -9.57000000e-008
Slope : 1.00000000
Offset : 0.00000

3) Frequency 2, Pressure, Digiquartz with TC

Serial number : 0294
Calibrated on : 22-Feb-13
C1 : -4.258473e+004
C2 : 1.874931e-001
C3 : 1.368020e-002
D1 : 3.936700e-002
D2 : 0.000000e+000
T1 : 3.021404e+001
T2 : -2.815189e-004
T3 : 4.591050e-006
T4 : 1.633320e-009
T5 : 0.000000e+000
Slope : 0.99982000
Offset : -1.63630
AD590M : 1.145000e-002
AD590B : -8.133300e+000

4) A/D voltage 0, Oxygen, SBE 43

Serial number : 0587
Calibrated on : 18-Mar-16
Equation : Sea-Bird
Soc : 4.19970e-001
Offset : -7.02200e-001
A : -4.33900e-003
B : 1.64060e-004
C : -2.57660e-006
E : 3.60000e-002
Tau20 : 1.50000e+000

D1 : 1.92634e-004
D2 : -4.64803e-002
H1 : -3.30000e-002
H2 : 5.00000e+003
H3 : 1.45000e+003

5) A/D voltage 1, Free

6) A/D voltage 2, Fluorometer, Chelsea Aqua 3

Serial number : 088-094
Calibrated on : 12-Nov-15
VB : 0.311200
V1 : 2.082900
Vacetone : 0.434600
Scale factor : 1.000000
Slope : 1.000000
Offset : 0.000000

7) A/D voltage 3, Transmissometer, WET Labs C-Star

Serial number : 887DR
Calibrated on : 11-Sep-15
M : 21.3083
B : -0.1065
Path length : 0.250

8) A/D voltage 4, User Polynomial

Serial number : 171
Calibrated on : 19-May-14
Sensor name : RINKOIII_DO
A0 : 0.00000000
A1 : 1.00000000
A2 : 0.00000000
A3 : 0.00000000

9) A/D voltage 5, User Polynomial, 2

Serial number : 171
Calibrated on : 12-May-14
Sensor name : RINKOIII_Temp
A0 : -5.25367500
A1 : 16.66254000
A2 : -2.13105300
A3 : 0.45564880

10) A/D voltage 6, Altimeter

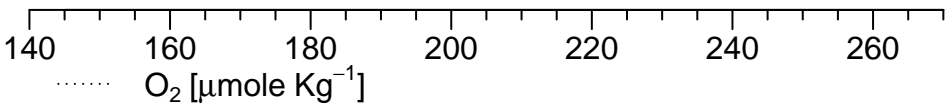
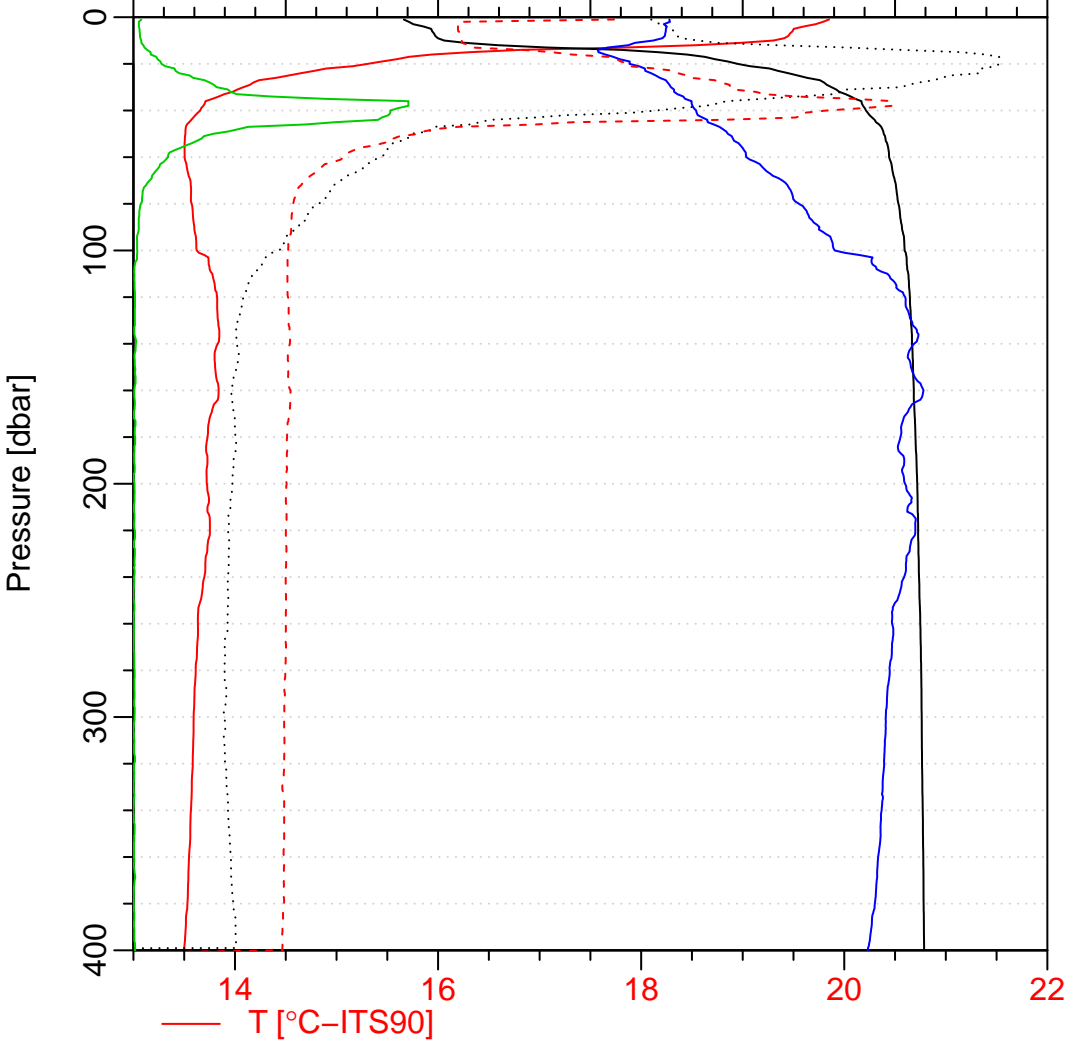
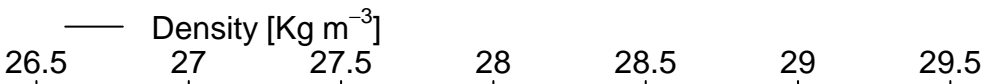
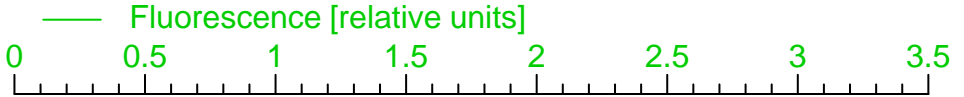
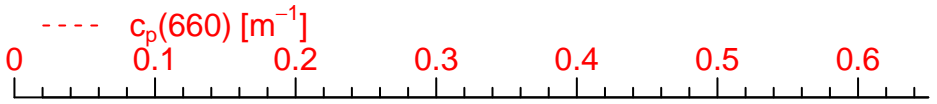
Serial number : 464
Calibrated on : 10-Nov-95
Scale factor : 5.000
Offset : 0.000

11) A/D voltage 7, Free

Scan length : 31

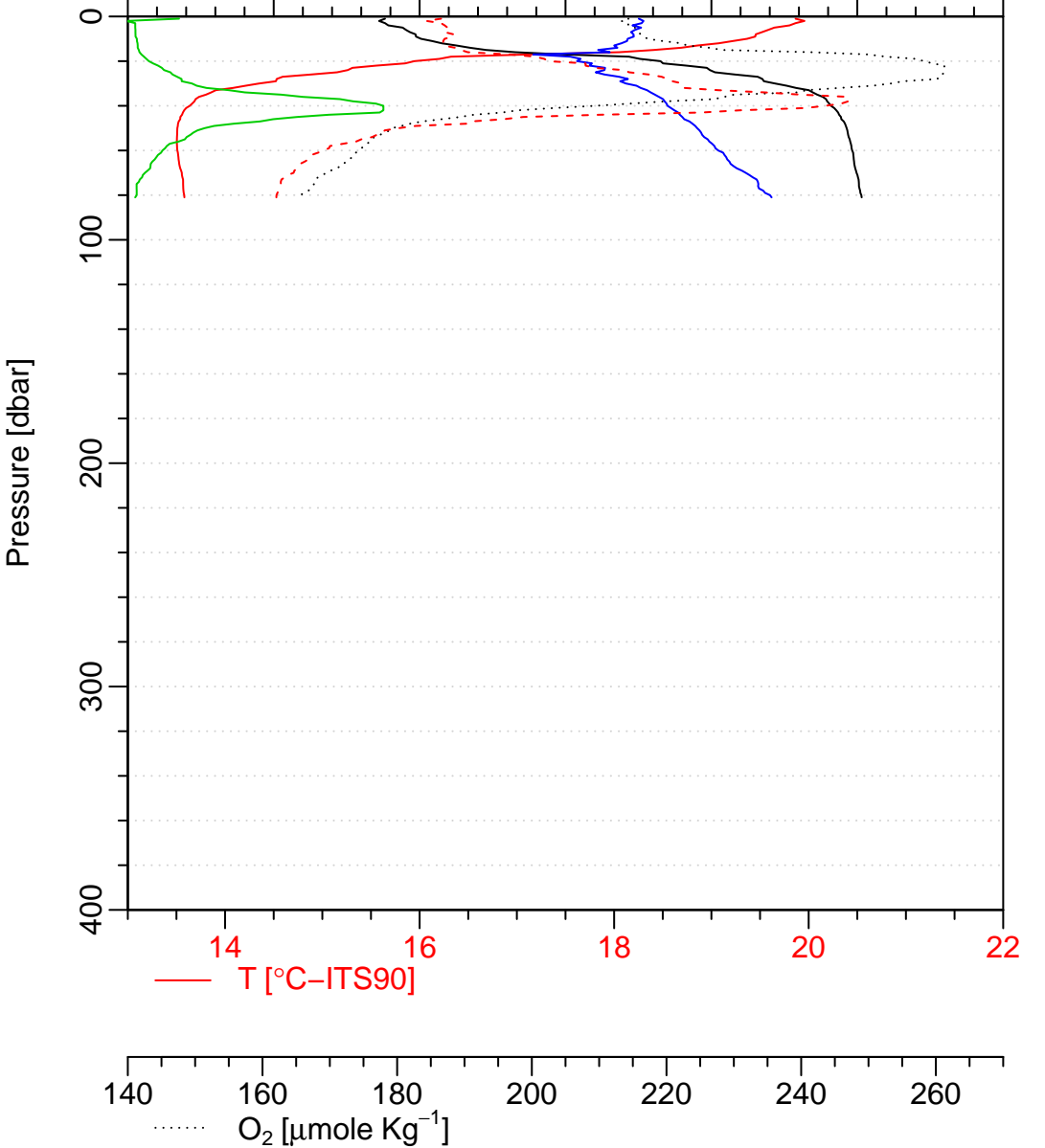
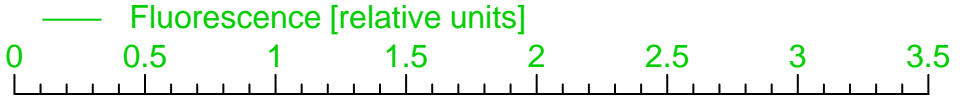
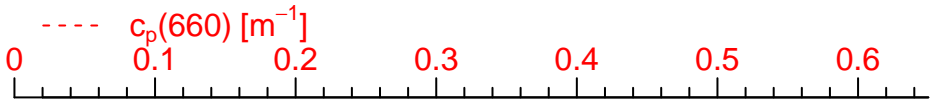
bous184_01

Date = 07/06/2017
Heure debut [TU] = 12:58
Longitude = 007 54.356 E
Latitude = 43 21.976 N



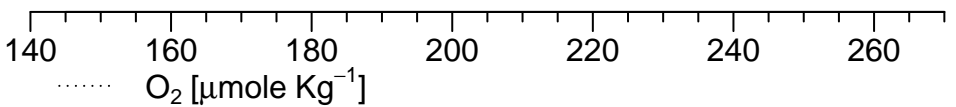
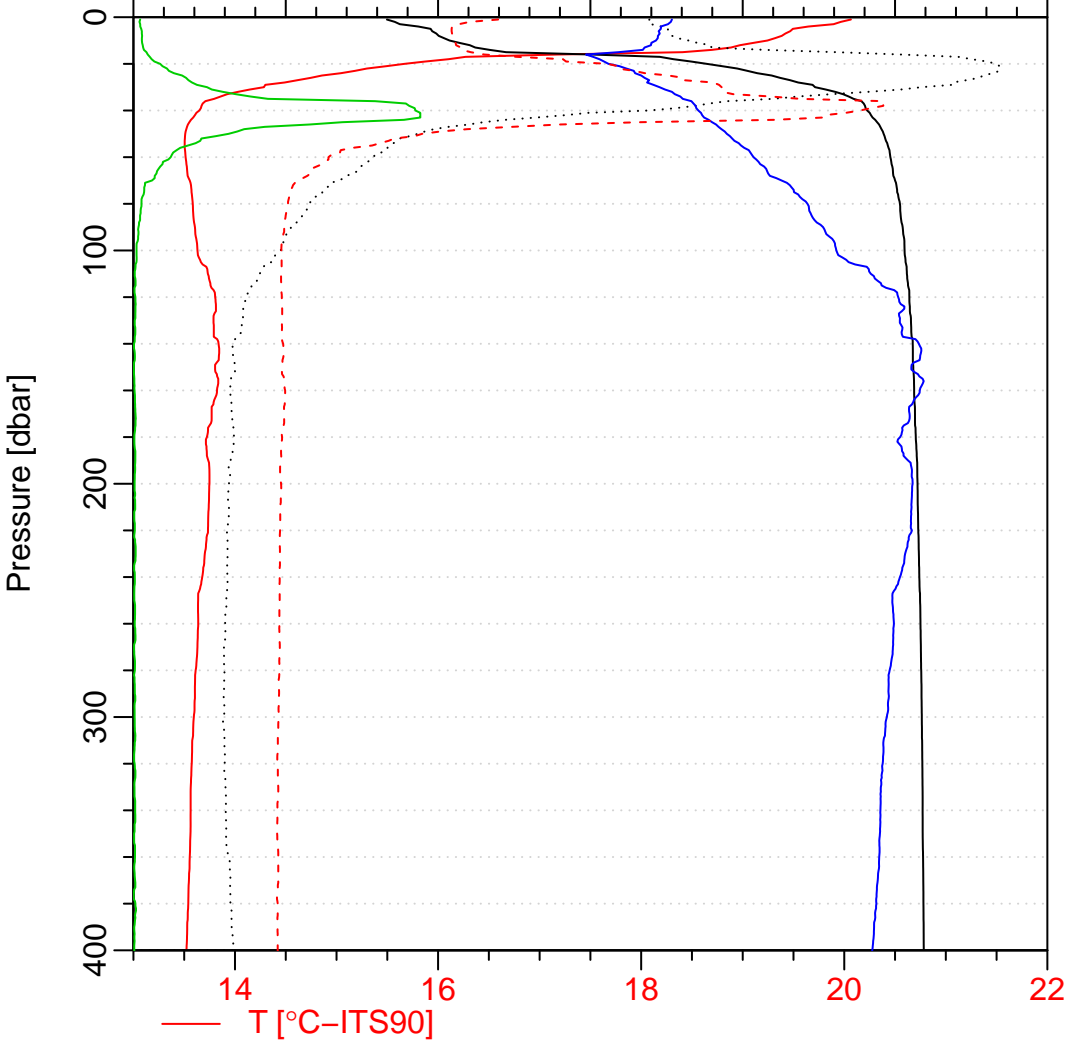
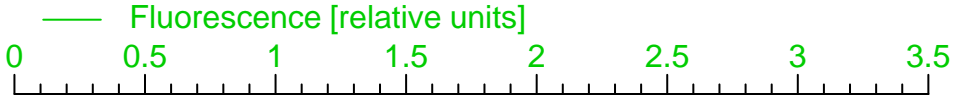
bous184_02

Date = 07/06/2017
Heure debut [TU] = 14:14
Longitude = 007 54.408 E
Latitude = 43 21.972 N



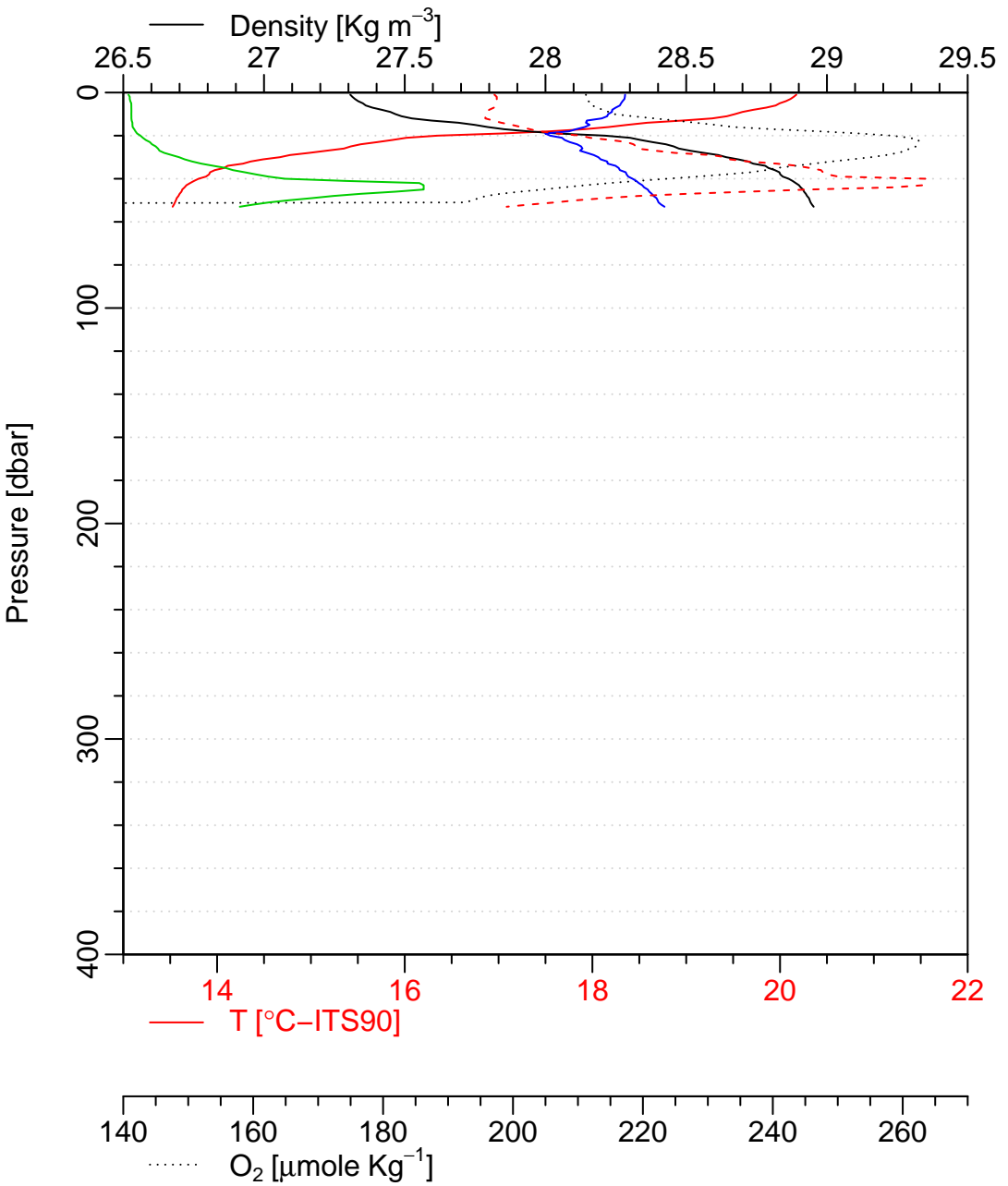
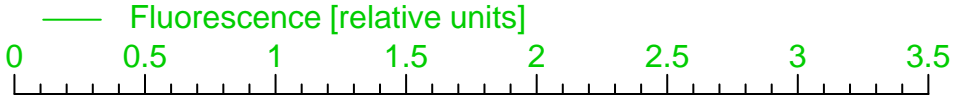
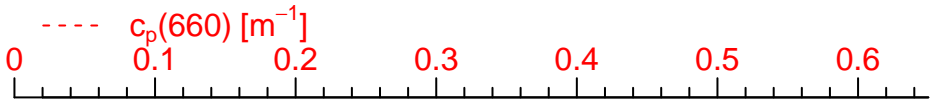
bous184_03

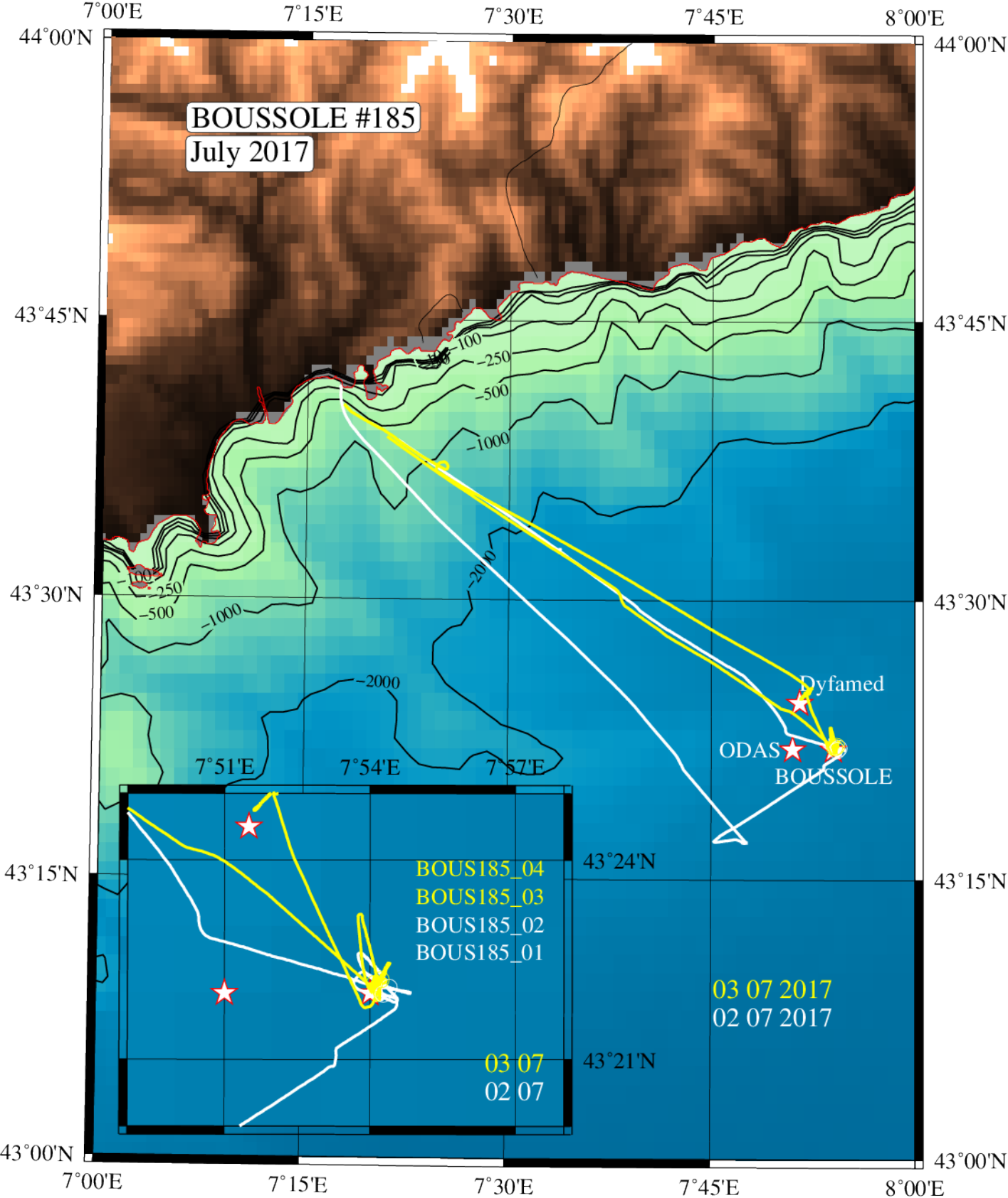
Date = 07/06/2017
Heure debut [TU] = 14:42
Longitude = 007 54.280 E
Latitude = 43 21.845 N



bous184_04

Date = 09/06/2017
Heure debut [TU] = 10:03
Longitude = 007 54.136 E
Latitude = 43 22.261 N





Date: 01/08/2018

Instrument configuration file: C:\boussole\Data\CTD\2017\B185\raw\ConfigCTD-juil2017.XMLCON

Configuration report for SBE 911plus/917plus CTD

Frequency channels suppressed : 2
Voltage words suppressed : 0
Computer interface : RS-232C
Deck unit : SBE11plus Firmware Version >= 5.0
Scans to average : 1
NMEA position data added : Yes
NMEA depth data added : No
NMEA time added : No
NMEA device connected to : deck unit
Surface PAR voltage added : No
Scan time added : No

1) Frequency 0, Temperature

Serial number : 2473
Calibrated on : 19-Mar-16
G : 4.36727268e-003
H : 6.43194228e-004
I : 2.33944433e-005
J : 2.23050947e-006
F0 : 1000.000
Slope : 1.00000000
Offset : 0.0000

2) Frequency 1, Conductivity

Serial number : 1313
Calibrated on : 22-Mar-16
G : -3.93928139e+000
H : 4.71438294e-001
I : -2.27439509e-004
J : 3.96041028e-005
CTcor : 3.2500e-006
CPcor : -9.57000000e-008
Slope : 1.00000000
Offset : 0.00000

3) Frequency 2, Pressure, Digiquartz with TC

Serial number : 0294
Calibrated on : 22-Feb-13
C1 : -4.258473e+004
C2 : 1.874931e-001
C3 : 1.368020e-002
D1 : 3.936700e-002
D2 : 0.000000e+000
T1 : 3.021404e+001
T2 : -2.815189e-004
T3 : 4.591050e-006
T4 : 1.633320e-009
T5 : 0.000000e+000
Slope : 0.99982000
Offset : -1.63630
AD590M : 1.145000e-002
AD590B : -8.133300e+000

4) A/D voltage 0, Oxygen, SBE 43

Serial number : 0587
Calibrated on : 18-Mar-16
Equation : Sea-Bird
Soc : 4.19970e-001
Offset : -7.02200e-001
A : -4.33900e-003
B : 1.64060e-004
C : -2.57660e-006
E : 3.60000e-002
Tau20 : 1.50000e+000

D1 : 1.92634e-004
D2 : -4.64803e-002
H1 : -3.30000e-002
H2 : 5.00000e+003
H3 : 1.45000e+003

5) A/D voltage 1, Free

6) A/D voltage 2, Fluorometer, Chelsea Aqua 3

Serial number : 088-094
Calibrated on : 12-Nov-15
VB : 0.311200
V1 : 2.082900
Vacetone : 0.434600
Scale factor : 1.000000
Slope : 1.000000
Offset : 0.000000

7) A/D voltage 3, Transmissometer, WET Labs C-Star

Serial number : 887DR
Calibrated on : 11-Sep-15
M : 21.3083
B : -0.1065
Path length : 0.250

8) A/D voltage 4, User Polynomial

Serial number : 171
Calibrated on : 19-May-14
Sensor name : RINKOIII_DO
A0 : 0.00000000
A1 : 1.00000000
A2 : 0.00000000
A3 : 0.00000000

9) A/D voltage 5, User Polynomial, 2

Serial number : 171
Calibrated on : 12-May-14
Sensor name : RINKOIII_Temp
A0 : -5.25367500
A1 : 16.66254000
A2 : -2.13105300
A3 : 0.45564880

10) A/D voltage 6, Altimeter

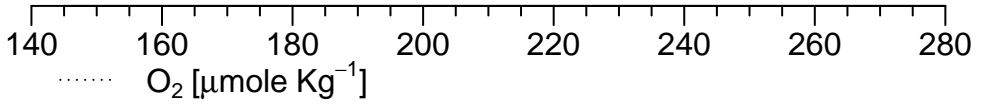
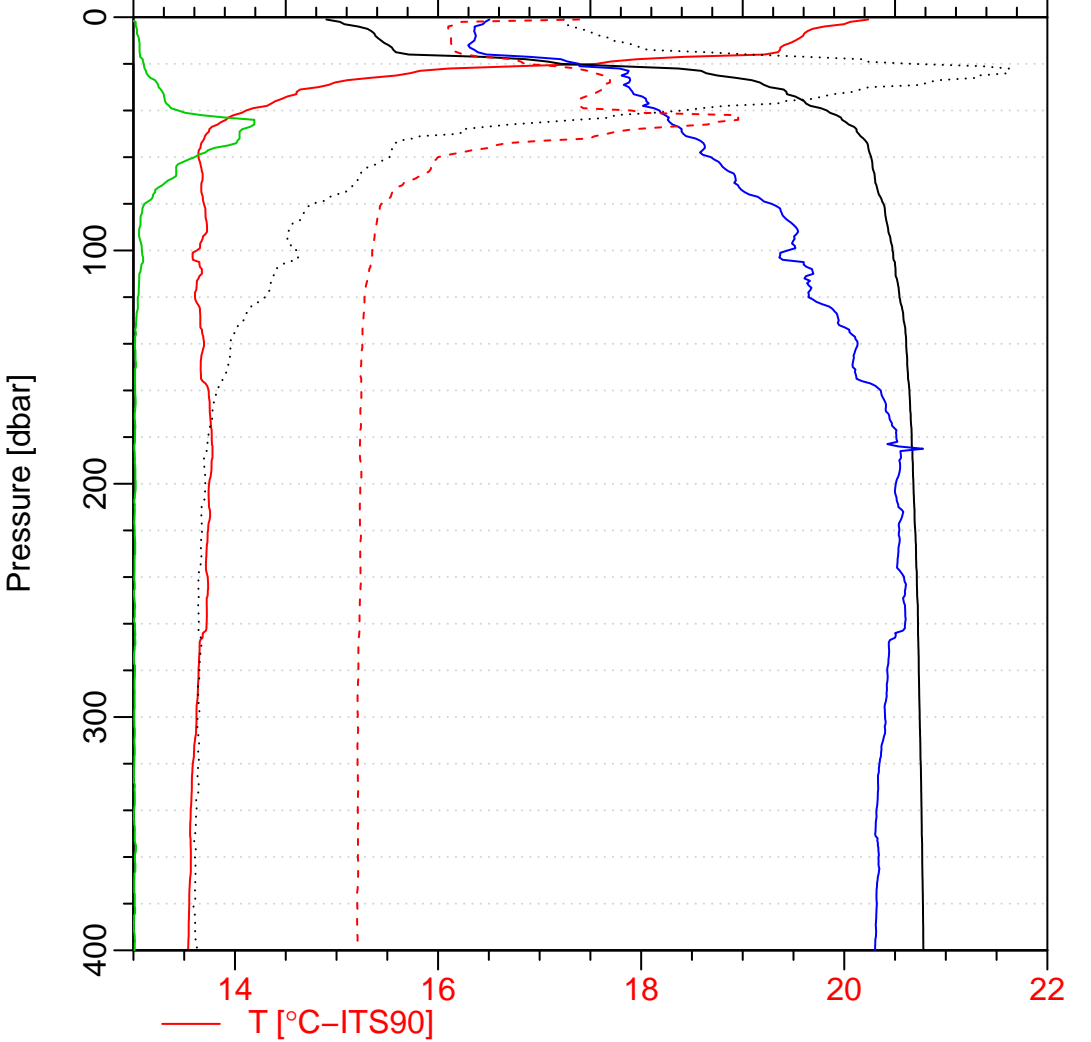
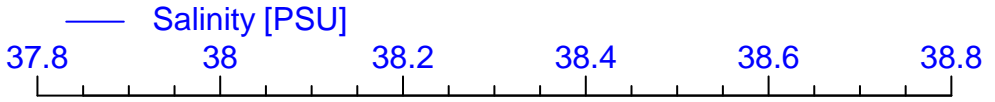
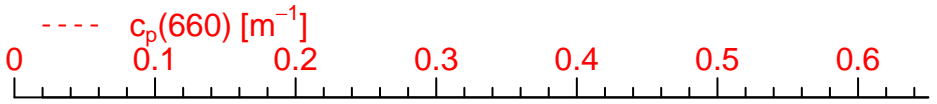
Serial number : 464
Calibrated on : 10-Nov-95
Scale factor : 5.000
Offset : 0.000

11) A/D voltage 7, Free

Scan length : 31

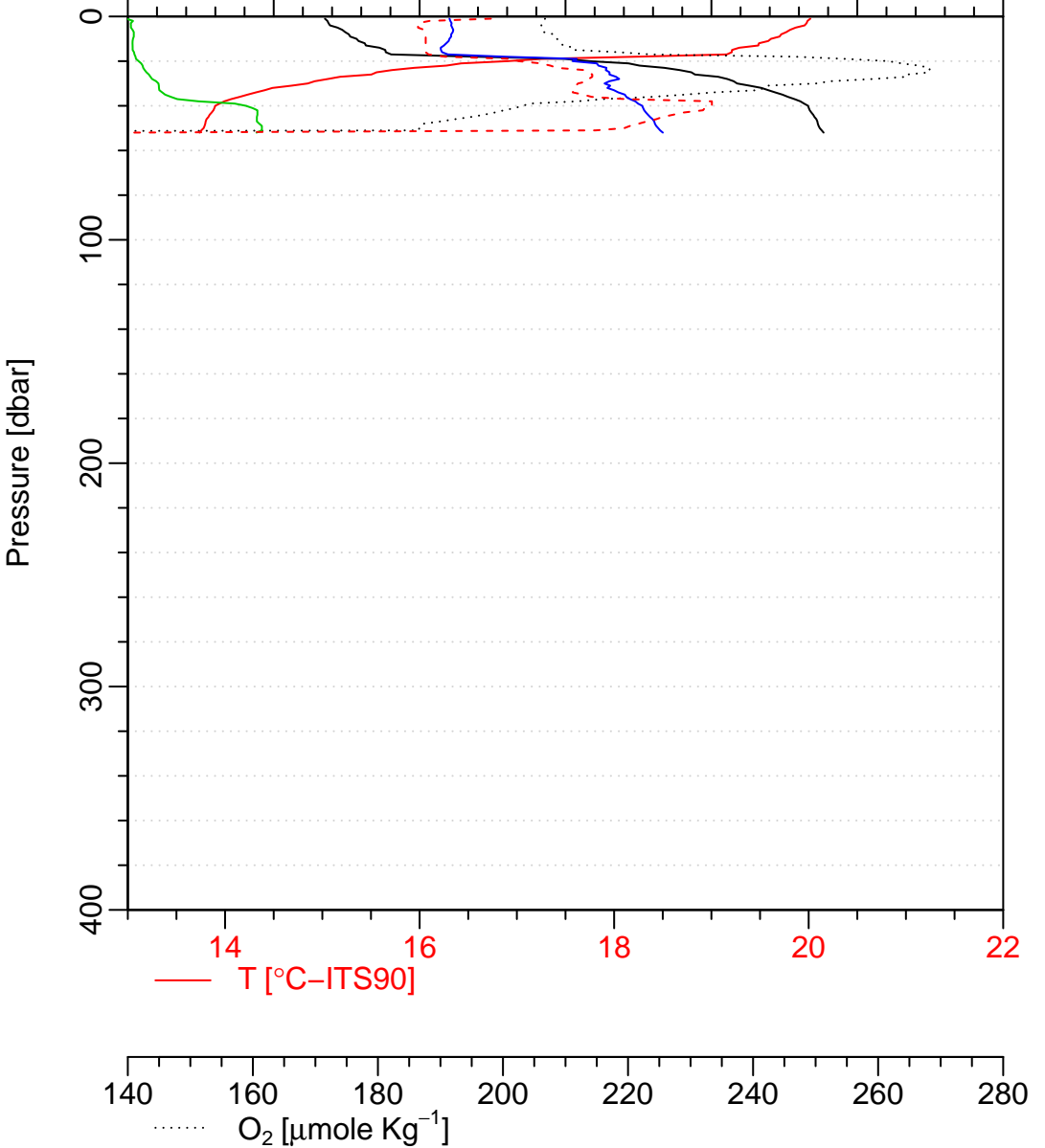
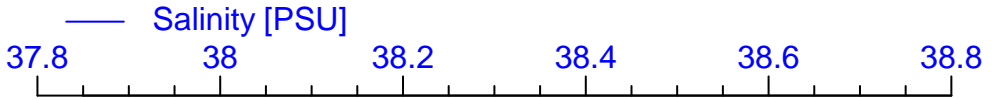
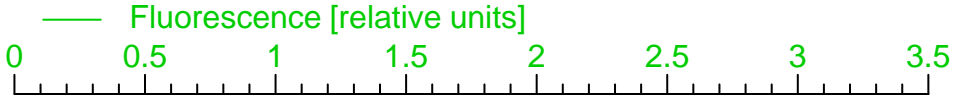
bous185_01

Date = 02/07/2017
Heure debut [TU] = 12:04
Longitude = 007 54.394 E
Latitude = 43 22.084 N



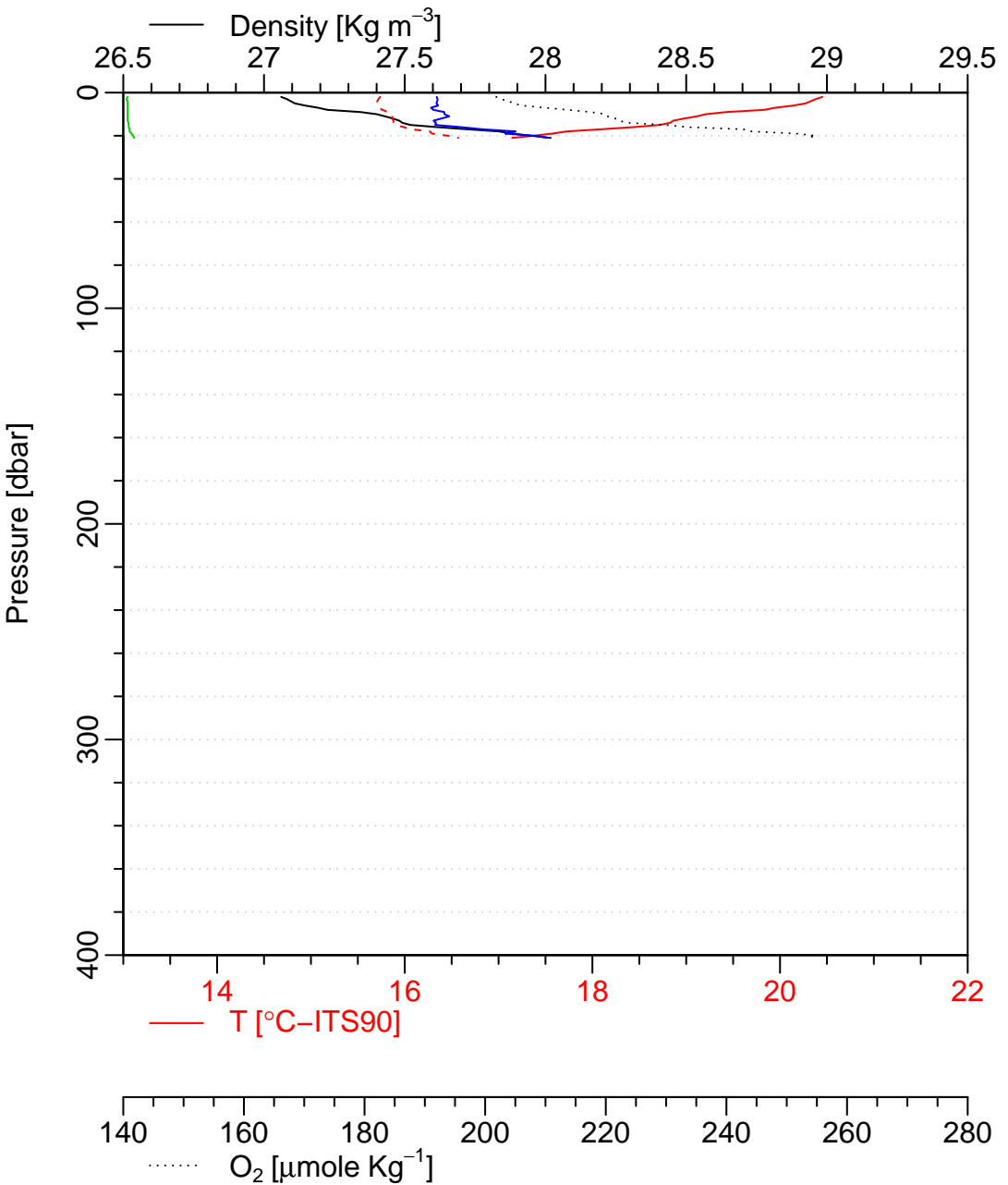
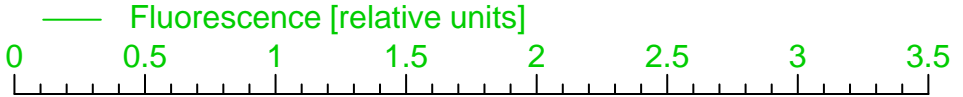
bous185_02

Date = 02/07/2017
Heure debut [TU] = 13:26
Longitude = 007 54.275 E
Latitude = 43 21.982 N



bous185_03

Date = 03/07/2017
Heure debut [TU] = 08:53
Longitude = 007 54.090 E
Latitude = 43 22.138 N



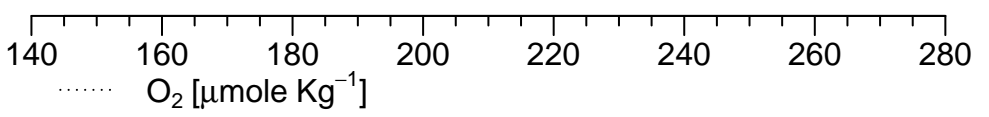
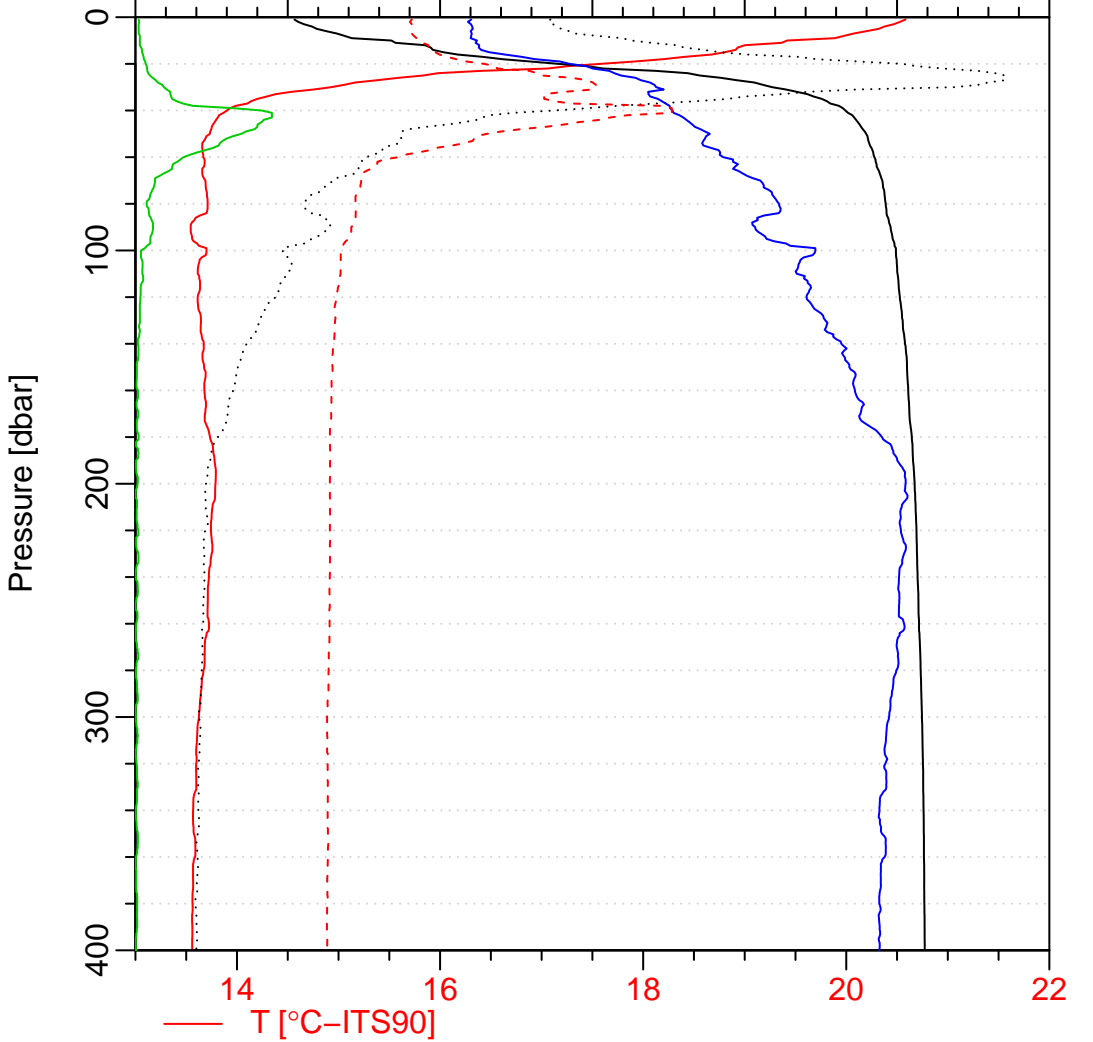
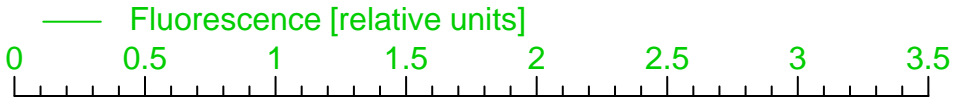
bous185_04

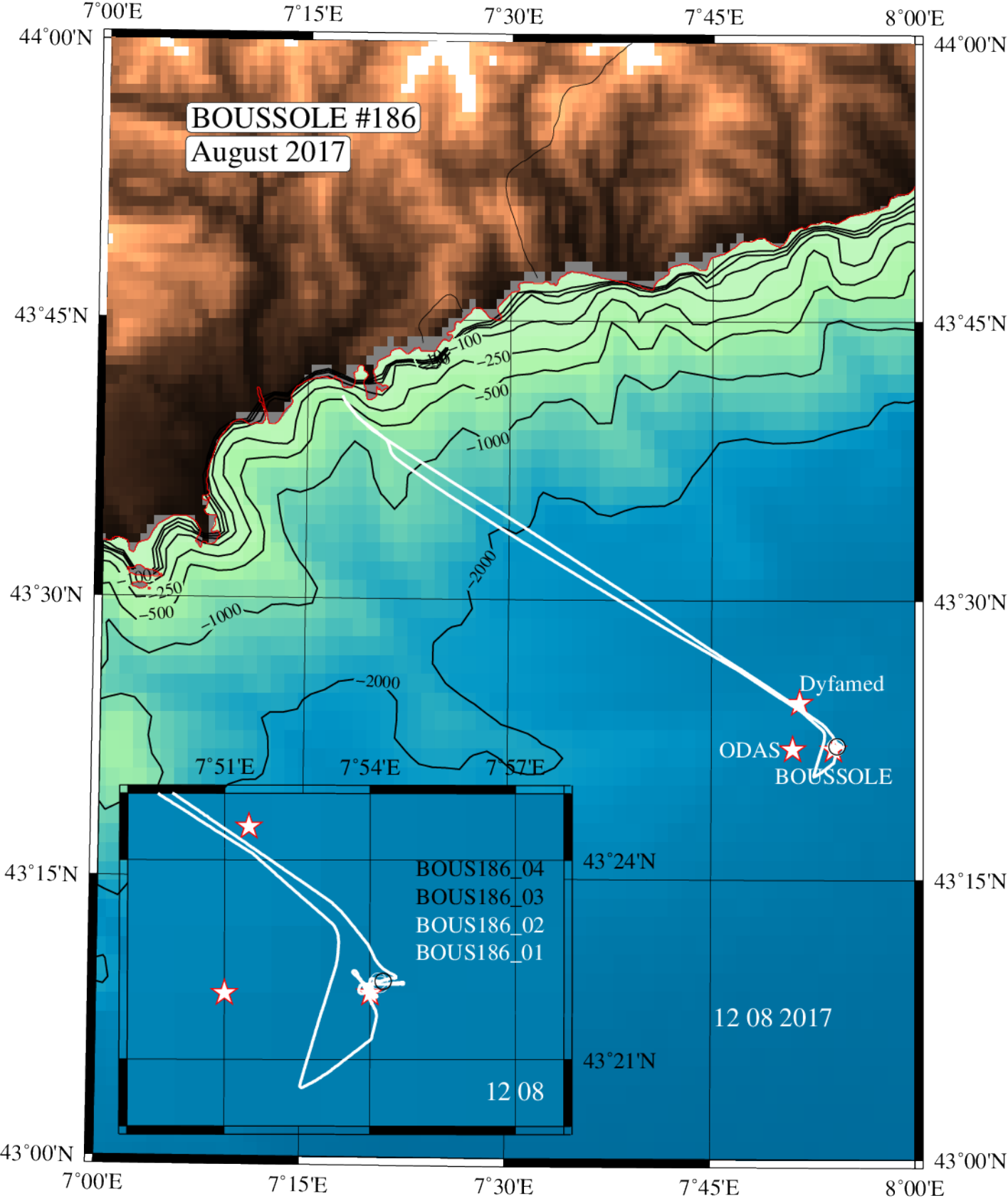
Date = 03/07/2017

Heure debut [TU] = 10:24

Longitude = 007 54.230 E

Latitude = 43 22.202 N





Date: 01/08/2018

Instrument configuration file: C:\boussole\Data\CTD\2017\B186\raw\ConfigCTD-aout2017.xmlcon

Configuration report for SBE 911plus/917plus CTD

Frequency channels suppressed : 2
Voltage words suppressed : 0
Computer interface : RS-232C
Deck unit : SBE11plus Firmware Version >= 5.0
Scans to average : 1
NMEA position data added : Yes
NMEA depth data added : No
NMEA time added : No
NMEA device connected to : deck unit
Surface PAR voltage added : No
Scan time added : No

1) Frequency 0, Temperature

Serial number : 2473
Calibrated on : 19-Mar-16
G : 4.36727268e-003
H : 6.43194228e-004
I : 2.33944433e-005
J : 2.23050947e-006
F0 : 1000.000
Slope : 1.00000000
Offset : 0.0000

2) Frequency 1, Conductivity

Serial number : 1313
Calibrated on : 22-Mar-16
G : -3.93928139e+000
H : 4.71438294e-001
I : -2.27439509e-004
J : 3.96041028e-005
CTcor : 3.2500e-006
CPcor : -9.57000000e-008
Slope : 1.00000000
Offset : 0.00000

3) Frequency 2, Pressure, Digiquartz with TC

Serial number : 0294
Calibrated on : 22-Feb-13
C1 : -4.258473e+004
C2 : 1.874931e-001
C3 : 1.368020e-002
D1 : 3.936700e-002
D2 : 0.000000e+000
T1 : 3.021404e+001
T2 : -2.815189e-004
T3 : 4.591050e-006
T4 : 1.633320e-009
T5 : 0.000000e+000
Slope : 0.99982000
Offset : -1.63630
AD590M : 1.145000e-002
AD590B : -8.133300e+000

4) A/D voltage 0, Oxygen, SBE 43

Serial number : 0587
Calibrated on : 18-Mar-16
Equation : Sea-Bird
Soc : 4.19970e-001
Offset : -7.02200e-001
A : -4.33900e-003
B : 1.64060e-004
C : -2.57660e-006
E : 3.60000e-002
Tau20 : 1.50000e+000

D1 : 1.92634e-004
D2 : -4.64803e-002
H1 : -3.30000e-002
H2 : 5.00000e+003
H3 : 1.45000e+003

5) A/D voltage 1, Free

6) A/D voltage 2, Fluorometer, Chelsea Aqua 3

Serial number : 088-094
Calibrated on : 12-Nov-15
VB : 0.311200
V1 : 2.082900
Vacetone : 0.434600
Scale factor : 1.000000
Slope : 1.000000
Offset : 0.000000

7) A/D voltage 3, Transmissometer, WET Labs C-Star

Serial number : 887DR
Calibrated on : 11-Sep-15
M : 21.3083
B : -0.1065
Path length : 0.250

8) A/D voltage 4, User Polynomial

Serial number : 171
Calibrated on : 19-May-14
Sensor name : RINKOIII_DO
A0 : 0.00000000
A1 : 1.00000000
A2 : 0.00000000
A3 : 0.00000000

9) A/D voltage 5, User Polynomial, 2

Serial number : 171
Calibrated on : 12-May-14
Sensor name : RINKOIII_Temp
A0 : -5.25367500
A1 : 16.66254000
A2 : -2.13105300
A3 : 0.45564880

10) A/D voltage 6, Altimeter

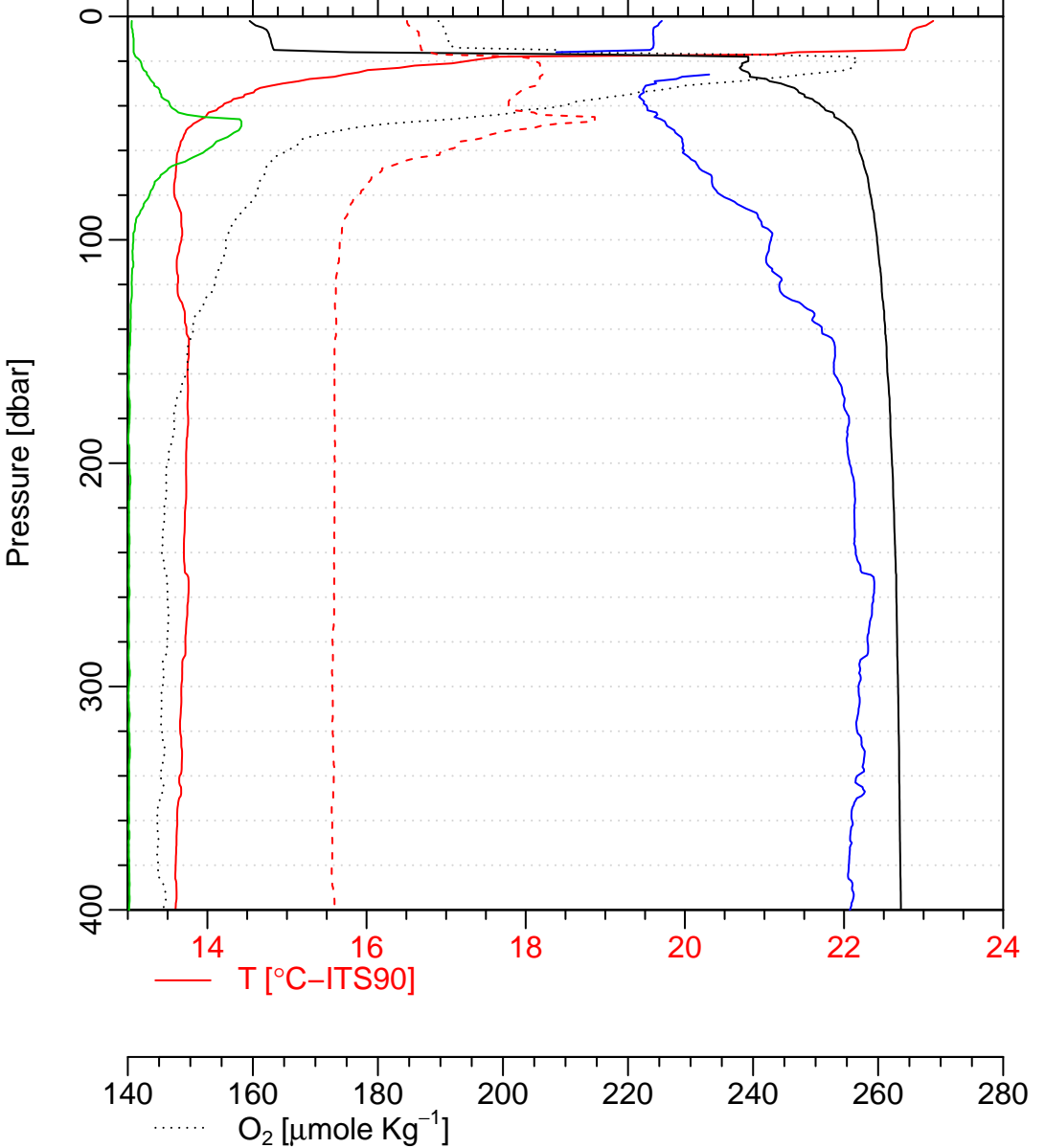
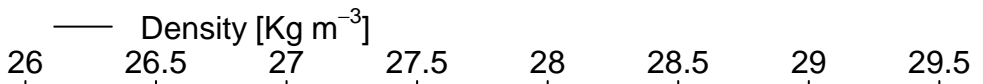
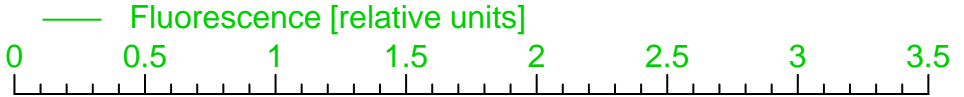
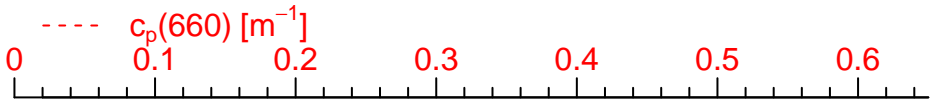
Serial number : 464
Calibrated on : 10-Nov-95
Scale factor : 5.000
Offset : 0.000

11) A/D voltage 7, Free

Scan length : 31

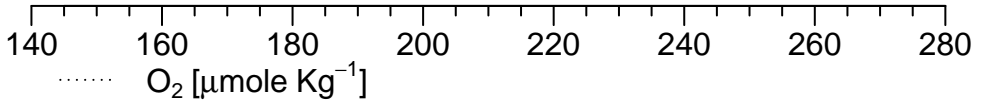
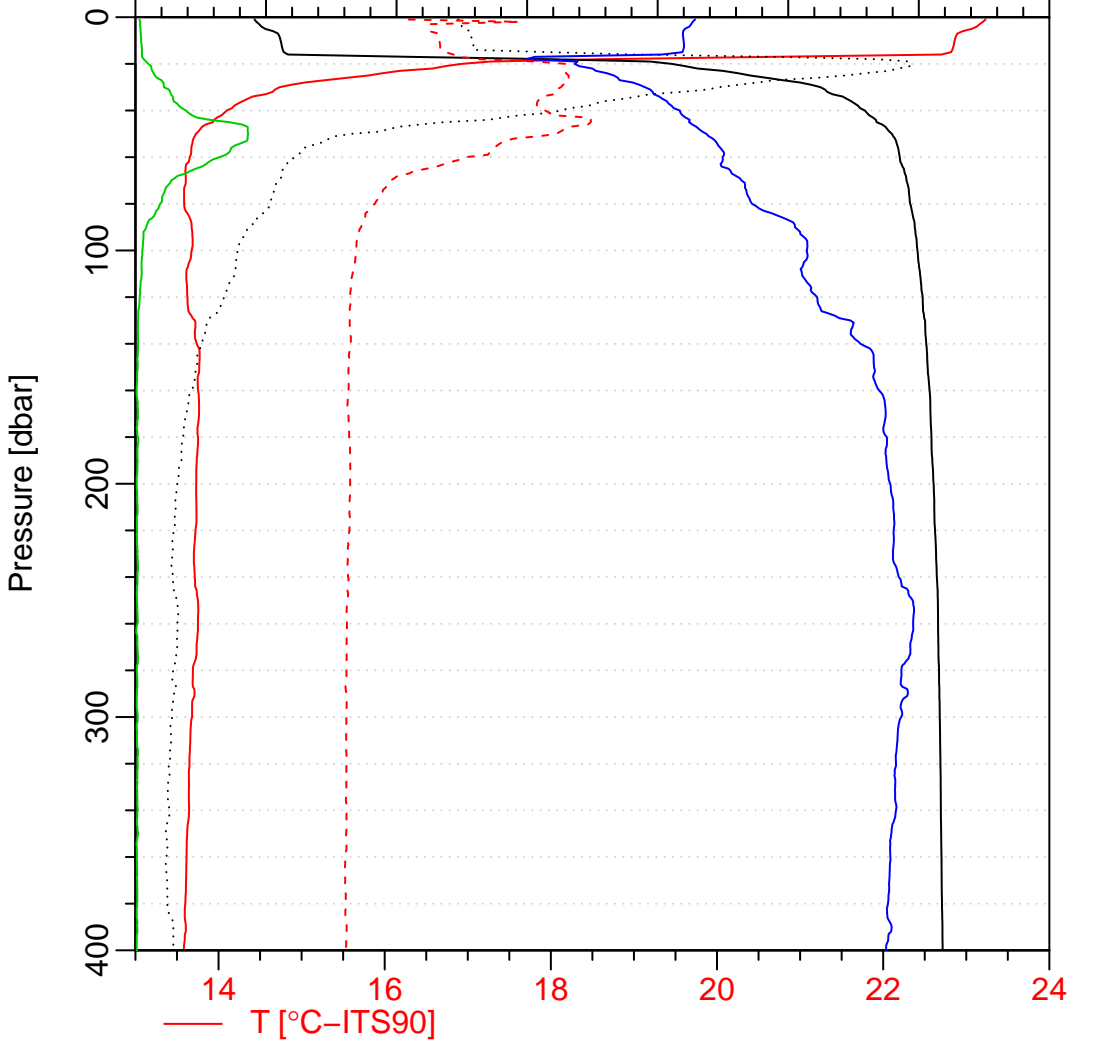
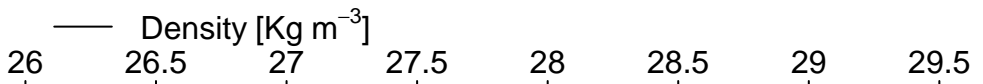
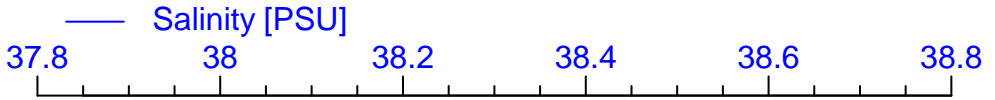
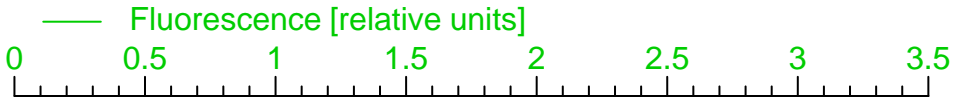
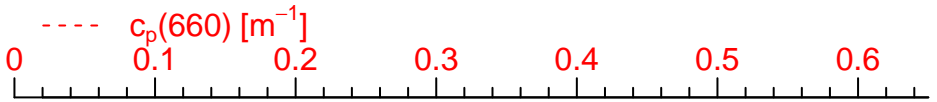
bous186_01

Date = 12/08/2017
Heure debut [TU] = 11:53
Longitude = 007 54.212 E
Latitude = 43 22.130 N



bous186_02

Date = 12/08/2017
Heure debut [TU] = 13:00
Longitude = 007 54.173 E
Latitude = 43 22.181 N



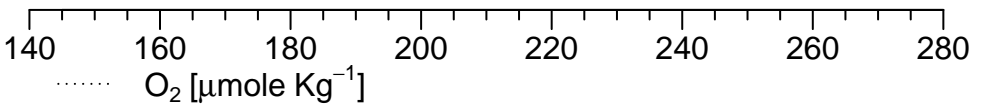
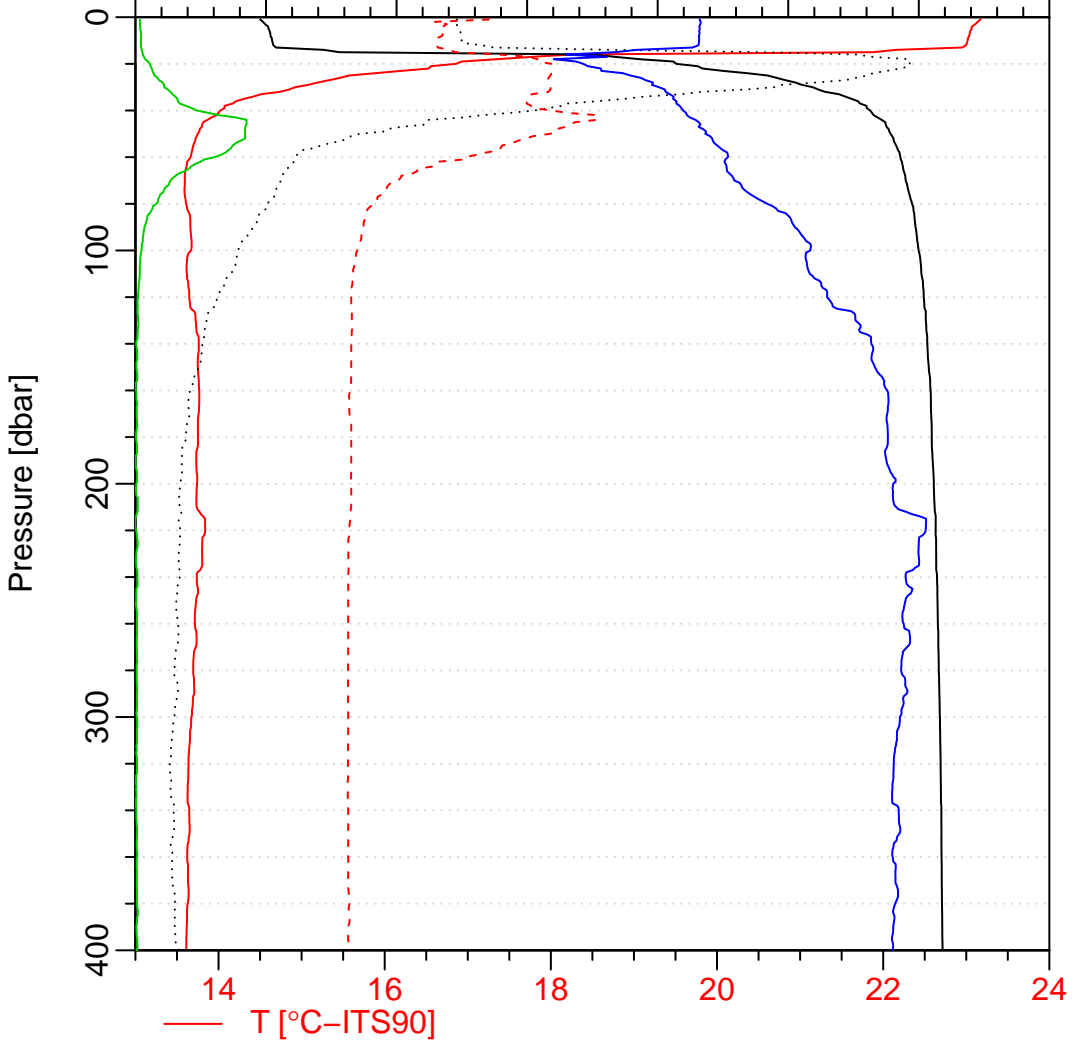
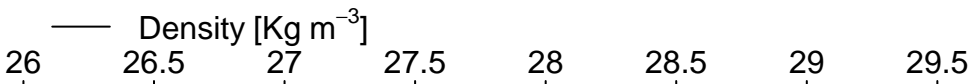
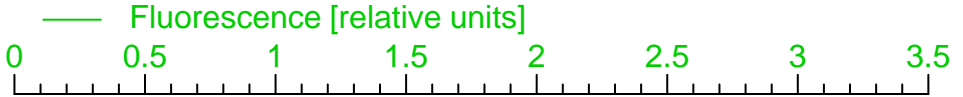
bous186_03

Date = 13/08/2017

Heure debut [TU] = 09:19

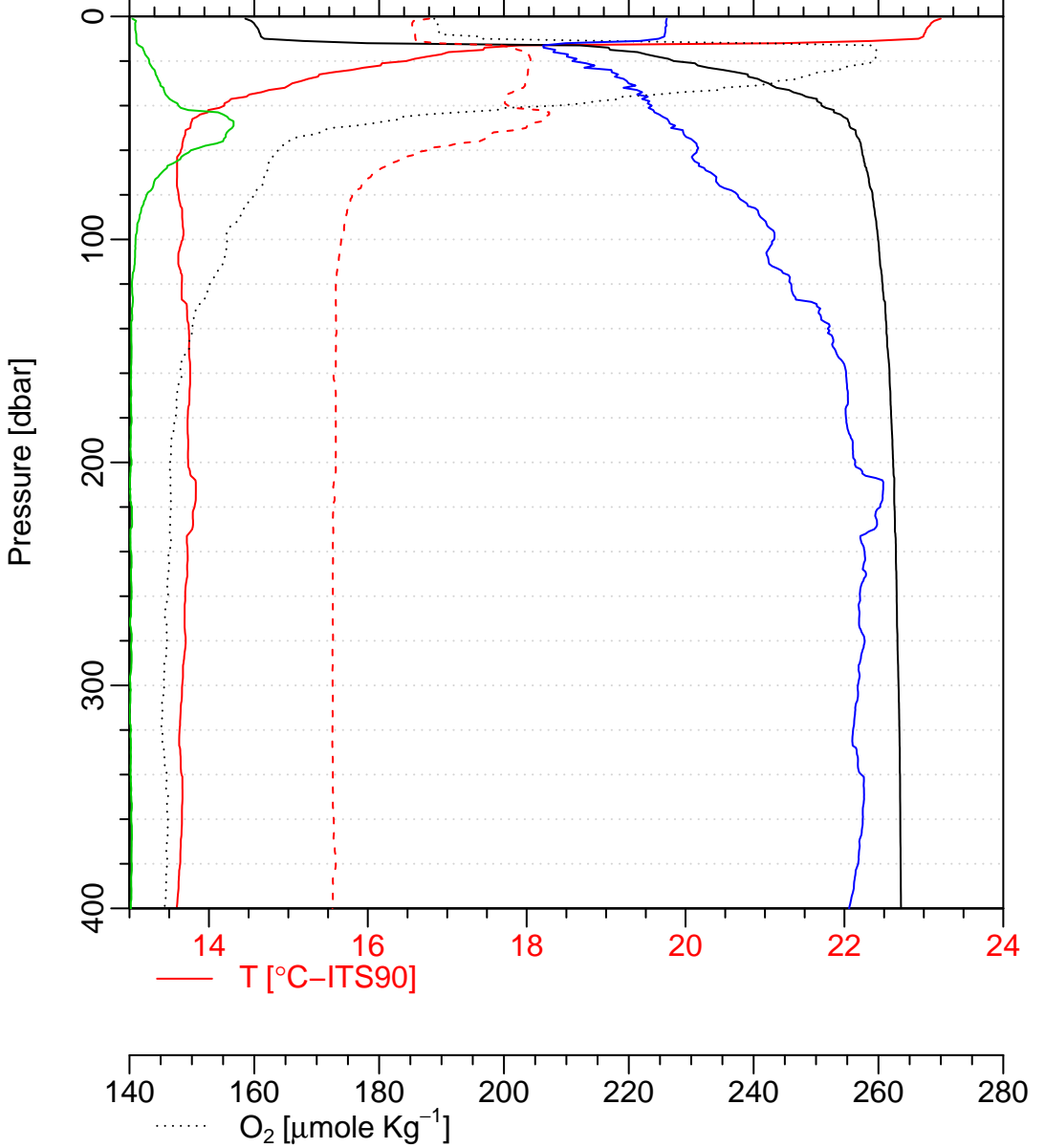
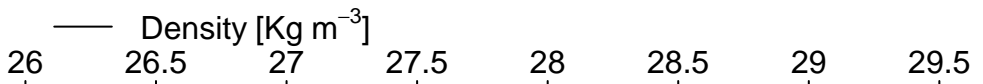
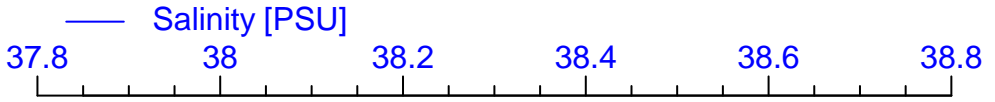
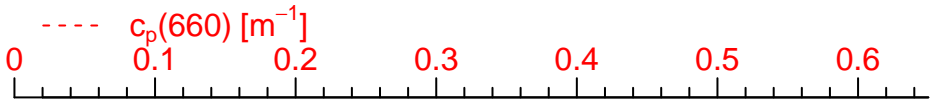
Longitude = 007 54.274 E

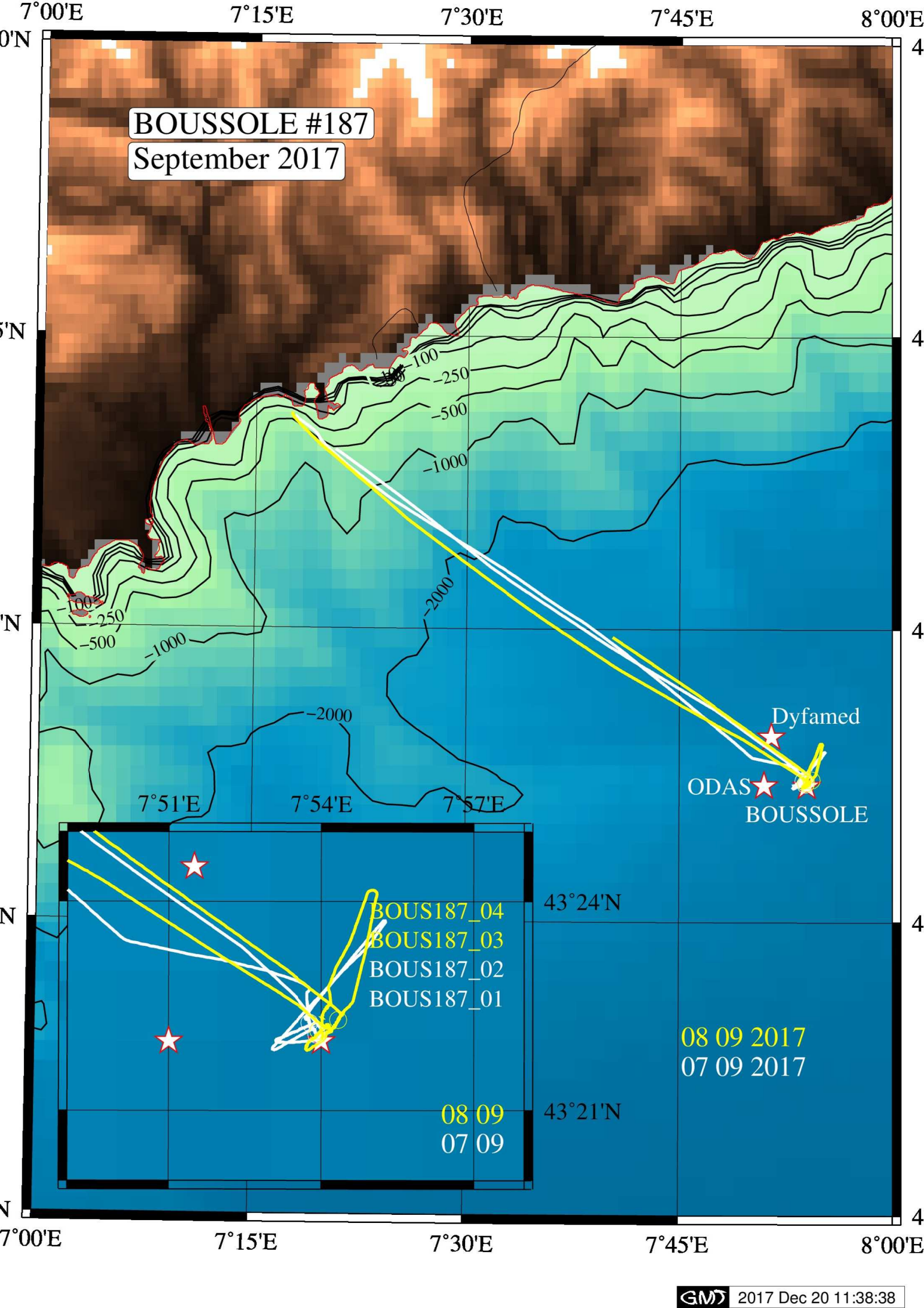
Latitude = 43 22.168 N



bous186_04

Date = 13/08/2017
Heure debut [TU] = 10:45
Longitude = 007 54.272 E
Latitude = 43 22.183 N





Date: 01/08/2018

Instrument configuration file: C:\boussole\Data\CTD\2017\B187\raw\ConfigCTD-sept2017.xmlcon

Configuration report for SBE 911plus/917plus CTD

Frequency channels suppressed : 2
Voltage words suppressed : 0
Computer interface : RS-232C
Deck unit : SBE11plus Firmware Version >= 5.0
Scans to average : 1
NMEA position data added : Yes
NMEA depth data added : No
NMEA time added : No
NMEA device connected to : deck unit
Surface PAR voltage added : No
Scan time added : No

1) Frequency 0, Temperature

Serial number : 2473
Calibrated on : 19-Mar-16
G : 4.36727268e-003
H : 6.43194228e-004
I : 2.33944433e-005
J : 2.23050947e-006
F0 : 1000.000
Slope : 1.00000000
Offset : 0.0000

2) Frequency 1, Conductivity

Serial number : 1313
Calibrated on : 22-Mar-16
G : -3.93928139e+000
H : 4.71438294e-001
I : -2.27439509e-004
J : 3.96041028e-005
CTcor : 3.2500e-006
CPcor : -9.57000000e-008
Slope : 1.00000000
Offset : 0.00000

3) Frequency 2, Pressure, Digiquartz with TC

Serial number : 0294
Calibrated on : 22-Feb-13
C1 : -4.258473e+004
C2 : 1.874931e-001
C3 : 1.368020e-002
D1 : 3.936700e-002
D2 : 0.000000e+000
T1 : 3.021404e+001
T2 : -2.815189e-004
T3 : 4.591050e-006
T4 : 1.633320e-009
T5 : 0.000000e+000
Slope : 0.99982000
Offset : -1.63630
AD590M : 1.145000e-002
AD590B : -8.133300e+000

4) A/D voltage 0, Oxygen, SBE 43

Serial number : 0587
Calibrated on : 18-Mar-16
Equation : Sea-Bird
Soc : 4.19970e-001
Offset : -7.02200e-001
A : -4.33900e-003
B : 1.64060e-004
C : -2.57660e-006
E : 3.60000e-002
Tau20 : 1.50000e+000

D1 : 1.92634e-004
D2 : -4.64803e-002
H1 : -3.30000e-002
H2 : 5.00000e+003
H3 : 1.45000e+003

5) A/D voltage 1, Free

6) A/D voltage 2, Fluorometer, Chelsea Aqua 3

Serial number : 088-094
Calibrated on : 12-Nov-15
VB : 0.311200
V1 : 2.082900
Vacetone : 0.434600
Scale factor : 1.000000
Slope : 1.000000
Offset : 0.000000

7) A/D voltage 3, Transmissometer, WET Labs C-Star

Serial number : 887DR
Calibrated on : 11-Sep-15
M : 21.3083
B : -0.1065
Path length : 0.250

8) A/D voltage 4, Free

9) A/D voltage 5, Free

10) A/D voltage 6, Altimeter

Serial number : 464
Calibrated on : 10-Nov-95
Scale factor : 5.000
Offset : 0.000

11) A/D voltage 7, Free

Scan length : 31

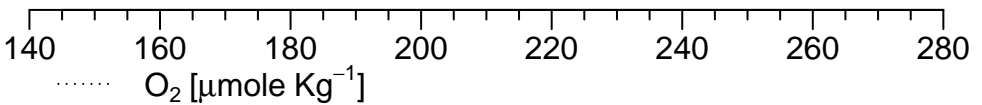
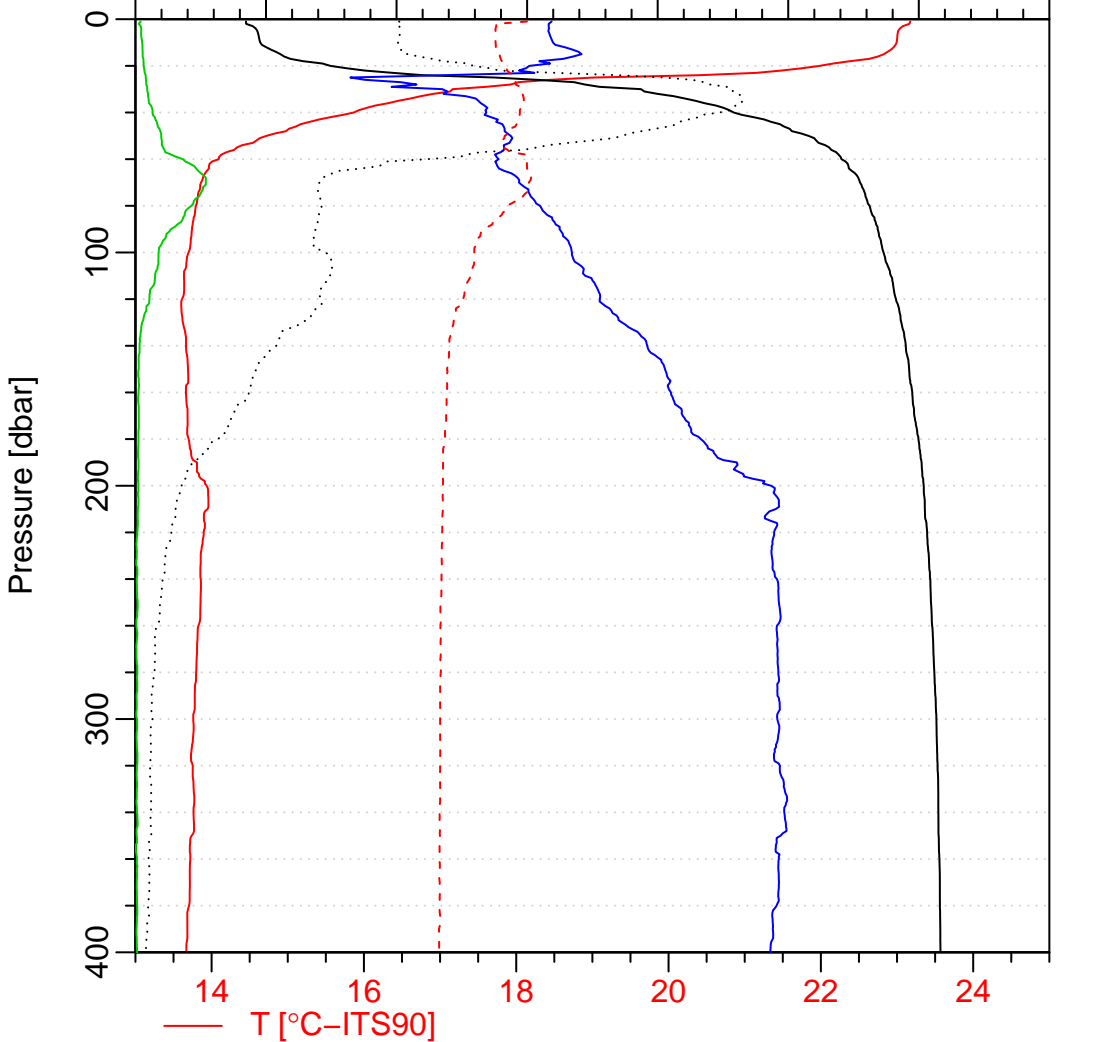
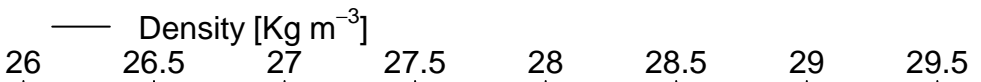
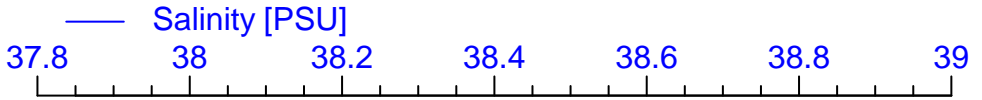
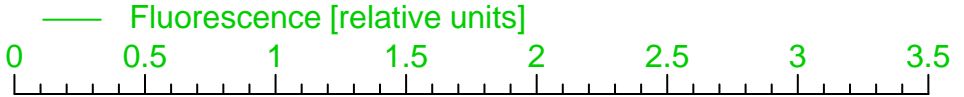
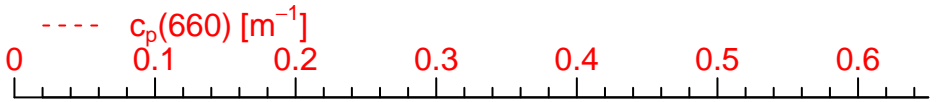
bous187_01

Date = 07/09/2017

Heure debut [TU] = 09:14

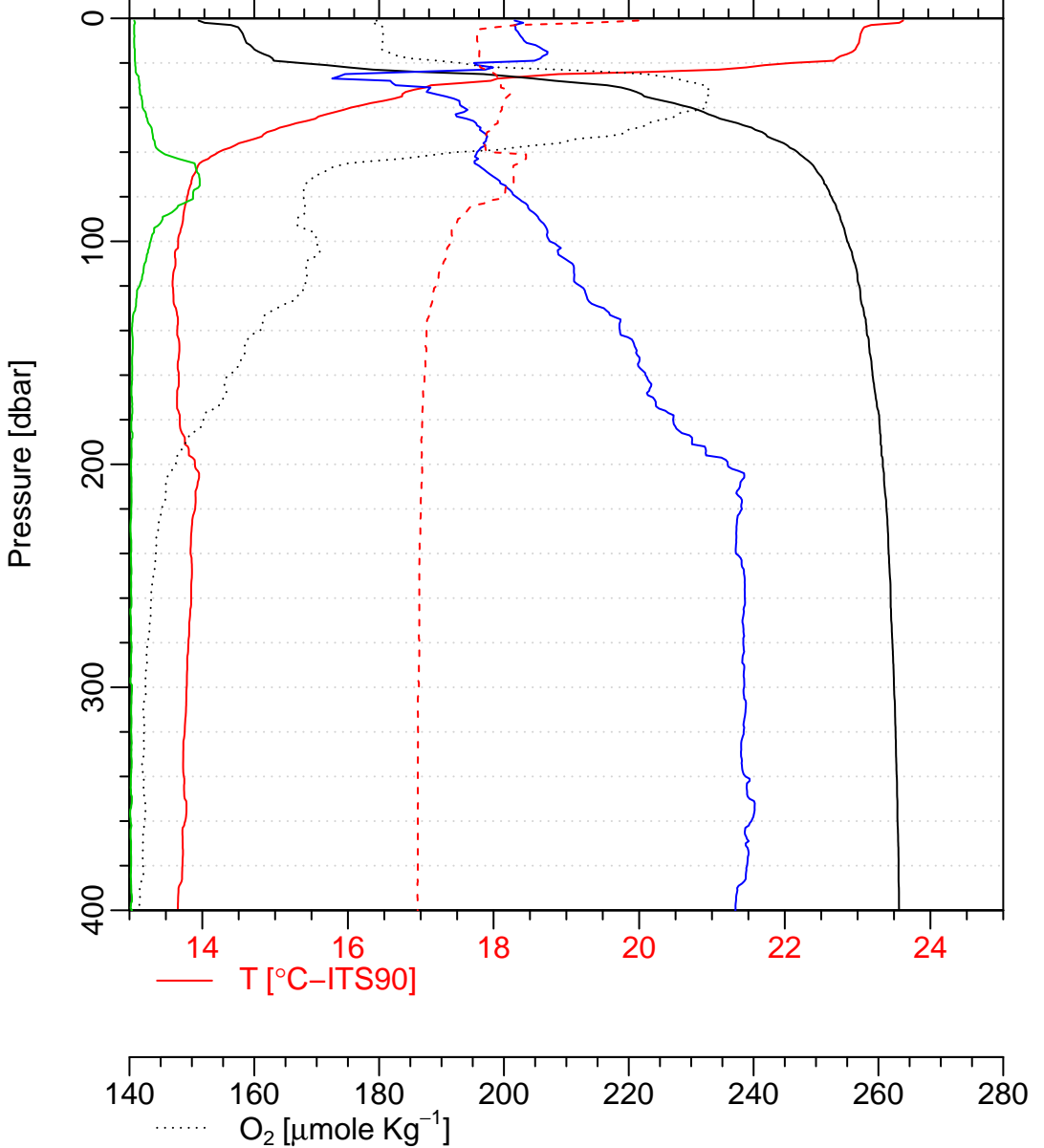
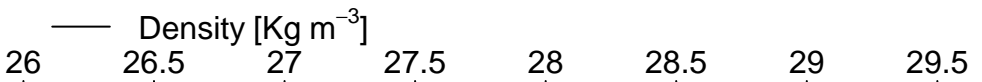
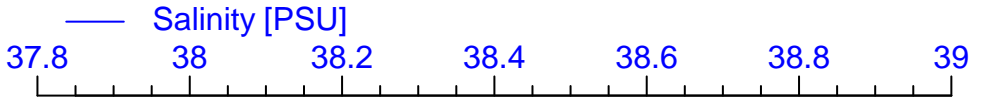
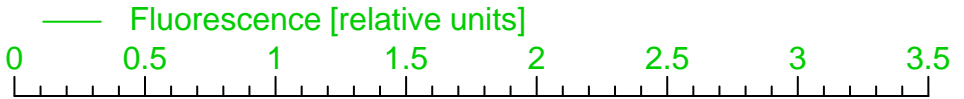
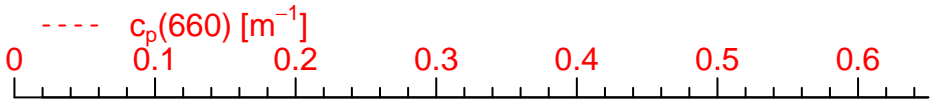
Longitude = 007 53.906 E

Latitude = 43 22.093 N



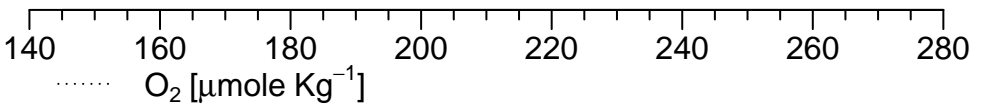
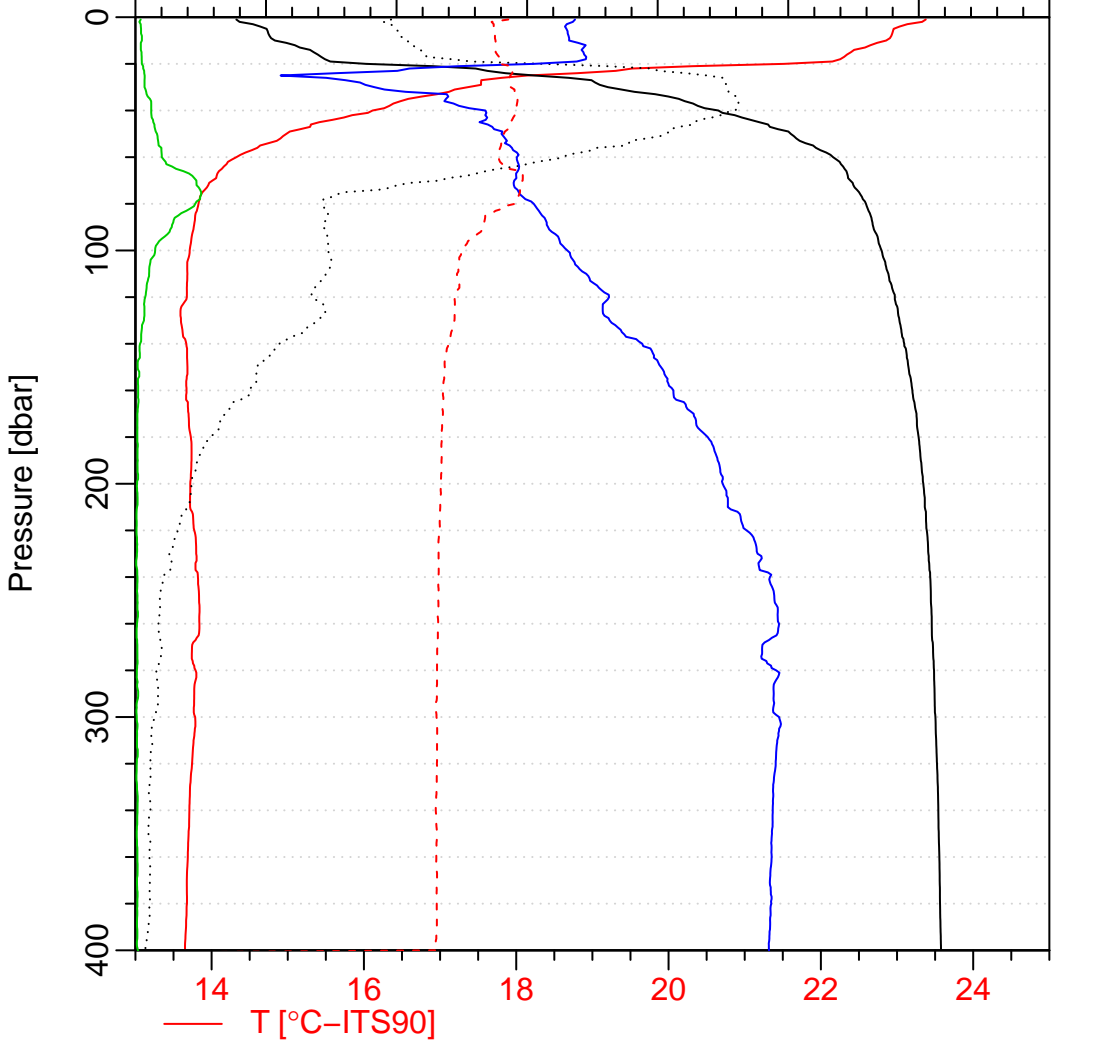
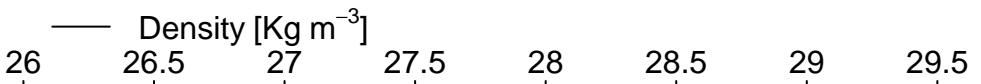
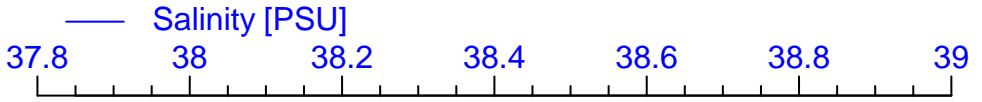
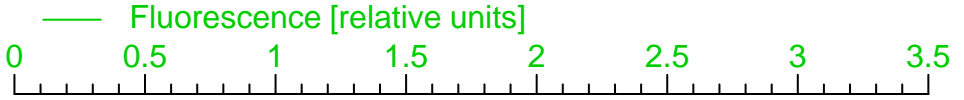
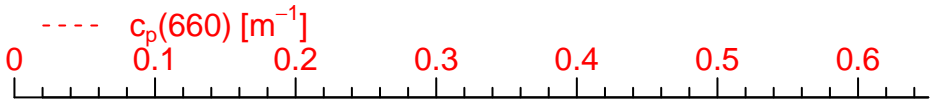
bous187_02

Date = 07/09/2017
Heure debut [TU] = 11:24
Longitude = 007 53.770 E
Latitude = 43 22.259 N



bous187_03

Date = 08/09/2017
Heure debut [TU] = 09:18
Longitude = 007 53.944 E
Latitude = 43 22.145 N



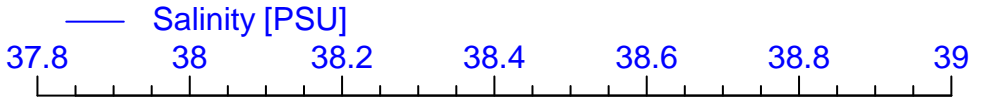
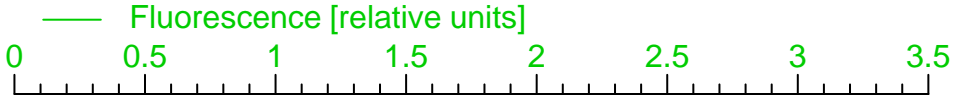
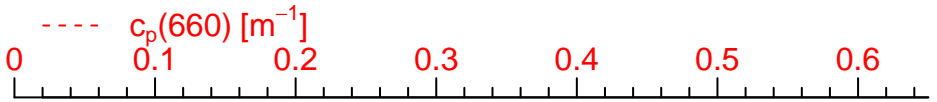
bous187_04

Date = 08/09/2017

Heure debut [TU] = 11:18

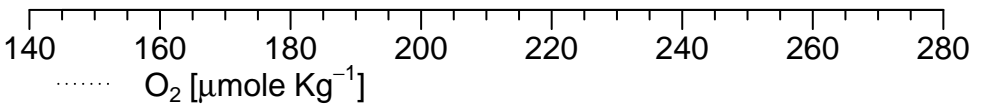
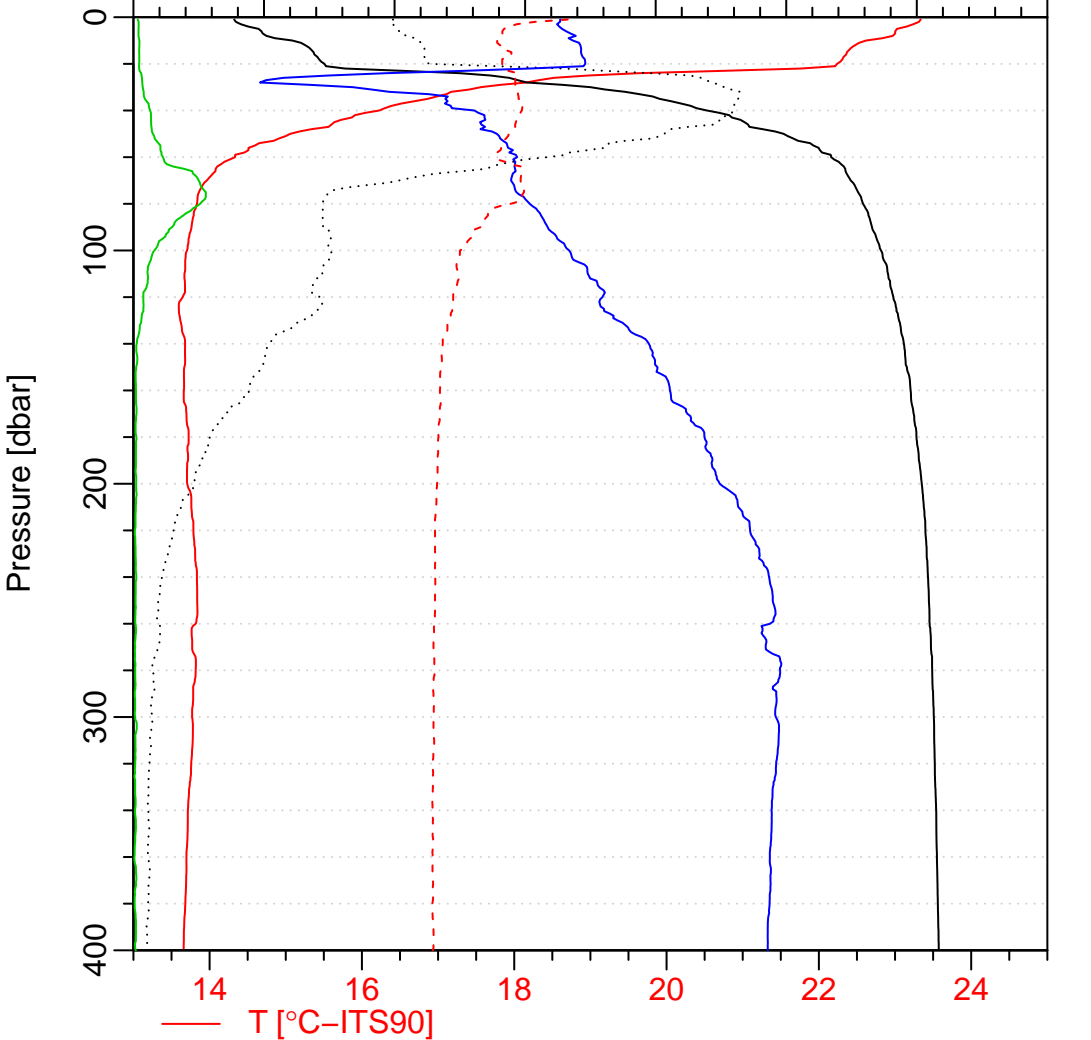
Longitude = 007 54.335 E

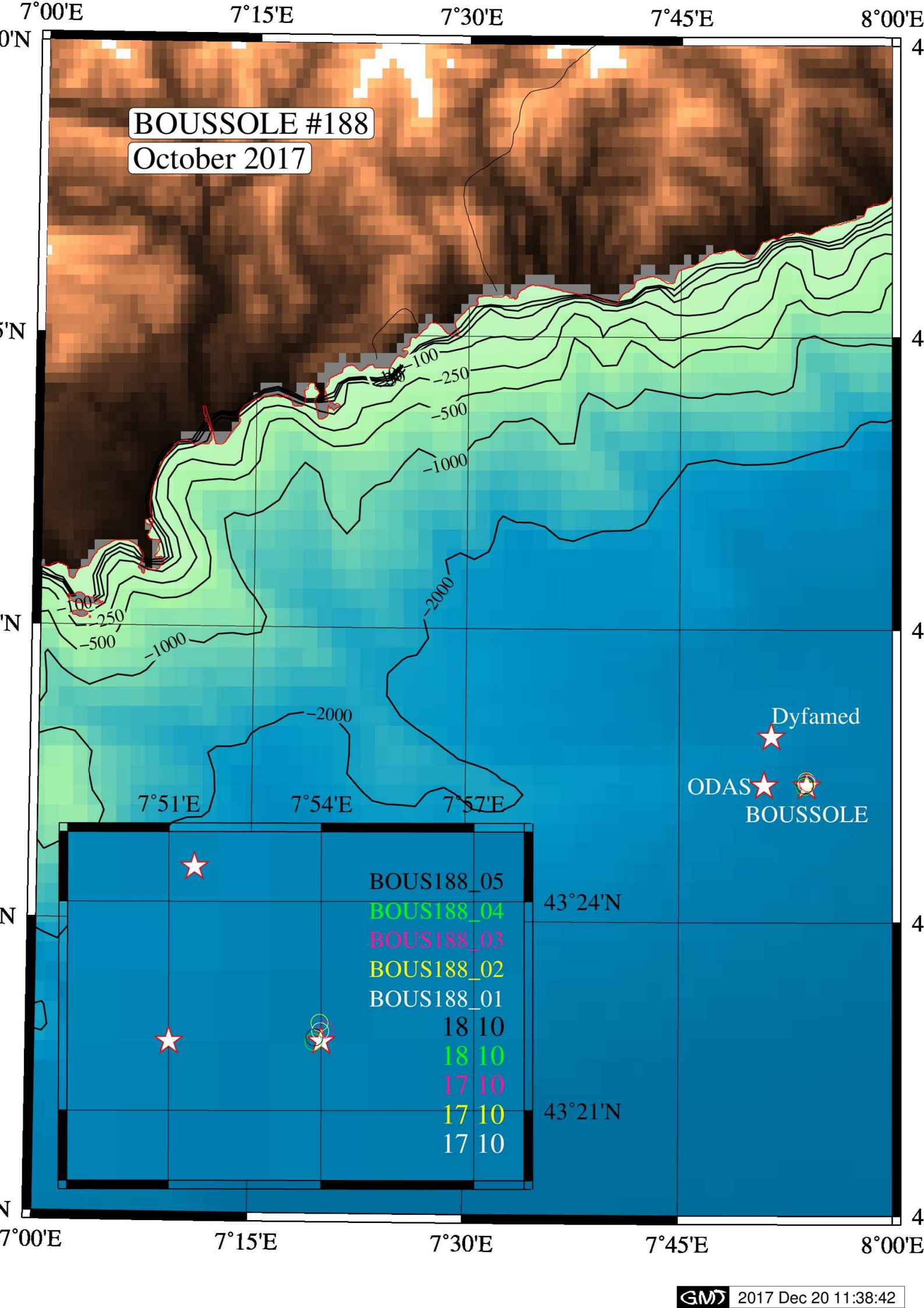
Latitude = 43 22.301 N



Density [$Kg\ m^{-3}$]

Scale for Density [$Kg\ m^{-3}$]. The axis ranges from 26 to 29.5 with major ticks every 0.5 and minor ticks every 0.1.





Date: 01/08/2018

Instrument configuration file: C:\boussole\Data\CTD\2017\B188\raw\ConfigCTD-oct2017.XMLCON

Configuration report for SBE 911plus/917plus CTD

Frequency channels suppressed : 2
Voltage words suppressed : 0
Computer interface : RS-232C
Deck unit : SBE11plus Firmware Version >= 5.0
Scans to average : 1
NMEA position data added : Yes
NMEA depth data added : No
NMEA time added : No
NMEA device connected to : deck unit
Surface PAR voltage added : No
Scan time added : No

1) Frequency 0, Temperature

Serial number : 1378
Calibrated on : 17-Nov-16
G : 4.87027953e-003
H : 6.78490431e-004
I : 2.68163363e-005
J : 2.12217961e-006
F0 : 1000.000
Slope : 1.00000000
Offset : 0.0000

2) Frequency 1, Conductivity

Serial number : 2929
Calibrated on : 15-Nov-16
G : -1.06028633e+001
H : 1.42156293e+000
I : 1.07532686e-004
J : 6.55385364e-005
CTcor : 3.2500e-006
CPcor : -9.57000000e-008
Slope : 1.00000000
Offset : 0.00000

3) Frequency 2, Pressure, Digiquartz with TC

Serial number : 0329
Calibrated on : 04-Dec-09 (corr May-2017)
C1 : -4.499631e+004
C2 : 4.598757e-001
C3 : 1.505020e-002
D1 : 3.936600e-002
D2 : 0.000000e+000
T1 : 3.004570e+001
T2 : -1.880753e-004
T3 : 4.727060e-006
T4 : -1.923520e-009
T5 : 0.000000e+000
Slope : 0.99996509
Offset : -1.27039
AD590M : 1.280100e-002
AD590B : -9.240166e+000

4) A/D voltage 0, Oxygen, SBE 43

Serial number : 0378
Calibrated on : 02-Dec-16
Equation : Sea-Bird
Soc : 3.44150e-001
Offset : -6.66600e-001
A : -2.23690e-003
B : 7.37750e-005
C : -1.02150e-006
E : 3.60000e-002
Tau20 : 1.20000e+000

D1 : 1.92634e-004
D2 : -4.64803e-002
H1 : -3.30000e-002
H2 : 5.00000e+003
H3 : 1.45000e+003

5) A/D voltage 1, Free

6) A/D voltage 2, Fluorometer, Chelsea Aqua 3

Serial number : 088193
Calibrated on : 27-Oct-97
VB : 0.165000
V1 : 1.933000
Vacetone : 0.250000
Scale factor : 1.000000
Slope : 1.000000
Offset : 0.000000

7) A/D voltage 3, Transmissometer, WET Labs C-Star

Serial number : 887DR
Calibrated on : 11-Sep-15
M : 21.3083
B : -0.1065
Path length : 0.250

8) A/D voltage 4, User Polynomial

Serial number : 171
Calibrated on : 19-May-14
Sensor name : RINKOIII_DO
A0 : 0.00000000
A1 : 1.00000000
A2 : 0.00000000
A3 : 0.00000000

9) A/D voltage 5, User Polynomial, 2

Serial number : 171
Calibrated on : 12-May-14
Sensor name : RINKOIII_Temp
A0 : -5.25367500
A1 : 16.66254000
A2 : -2.13105300
A3 : 0.45564880

10) A/D voltage 6, Altimeter

Serial number : 310799
Calibrated on : 19-Oct-16
Scale factor : 15.000
Offset : 0.000

11) A/D voltage 7, Free

Scan length : 31

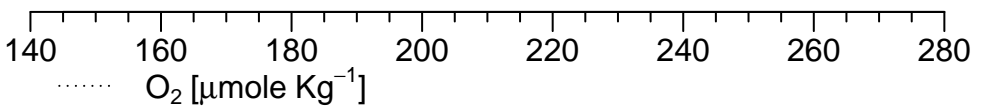
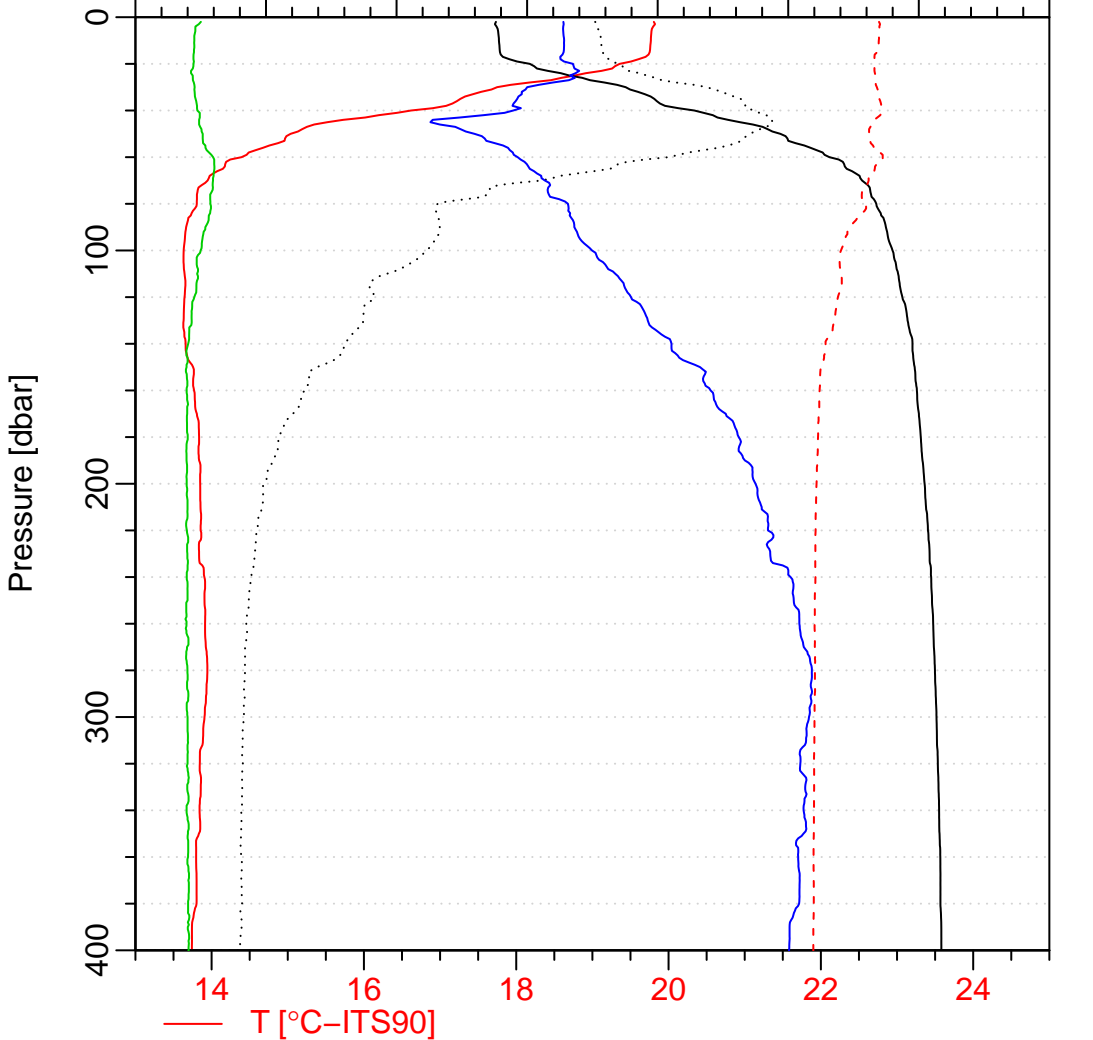
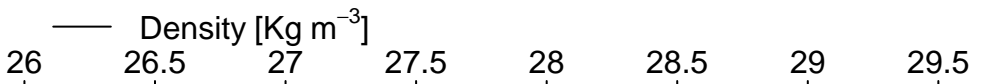
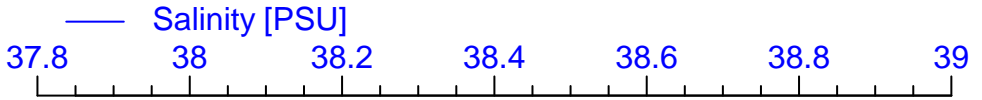
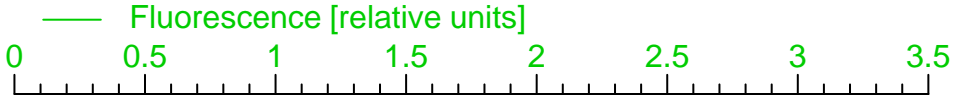
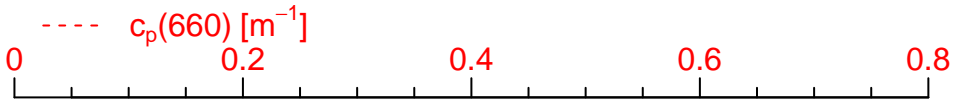
bous188_01

Date = 17/10/2017

Heure debut [TU] = 10:19

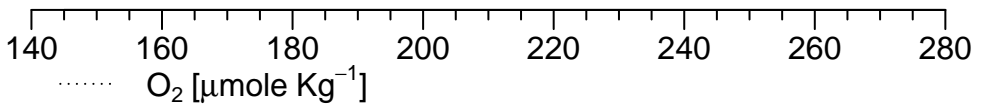
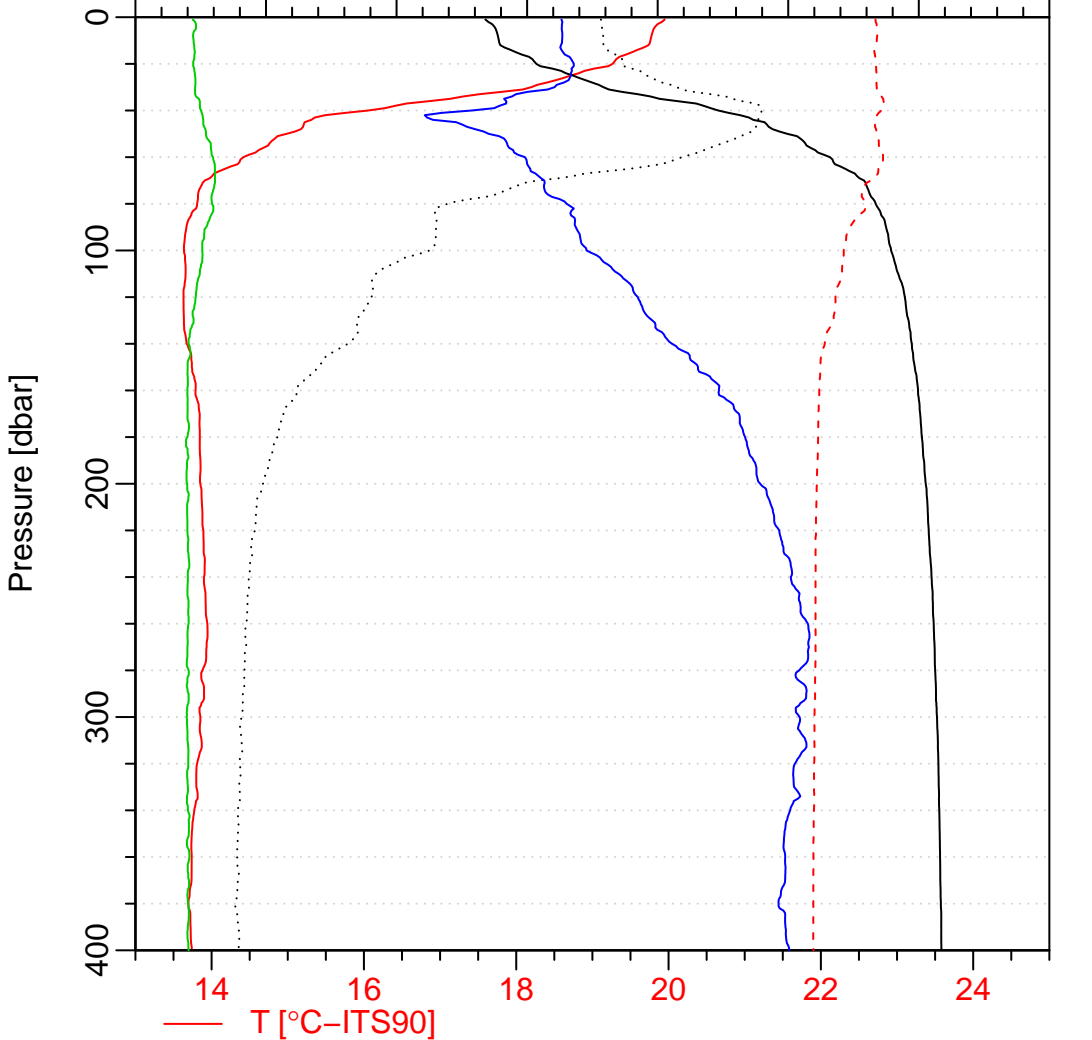
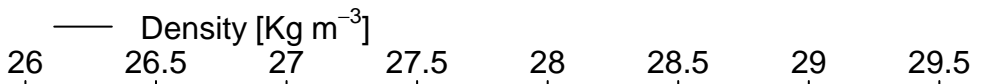
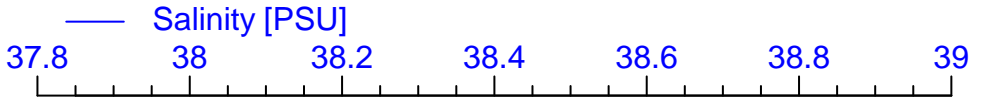
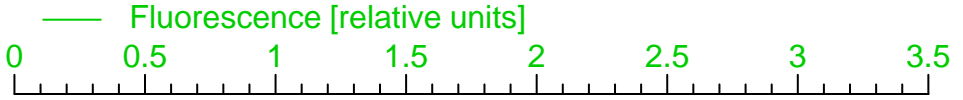
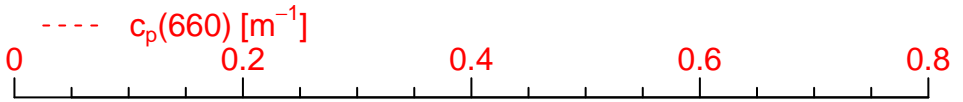
Longitude = 007 53.982 E

Latitude = 43 22.142 N



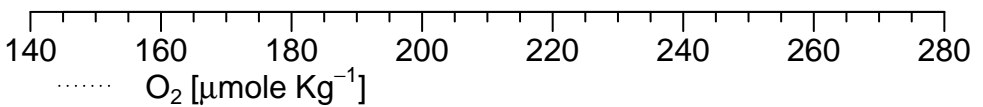
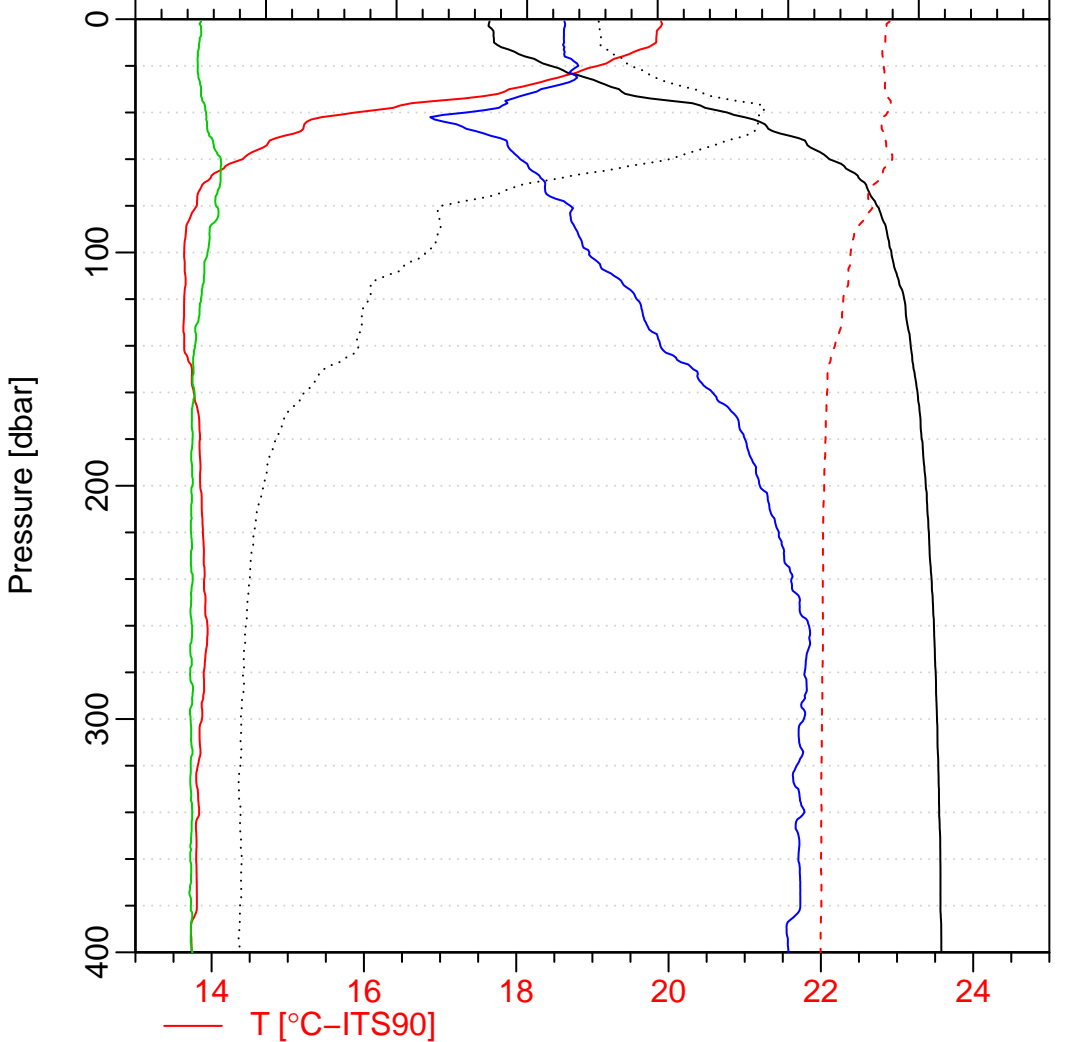
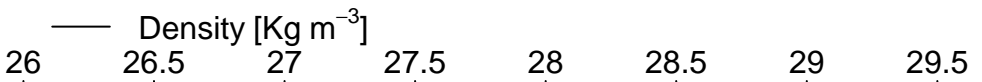
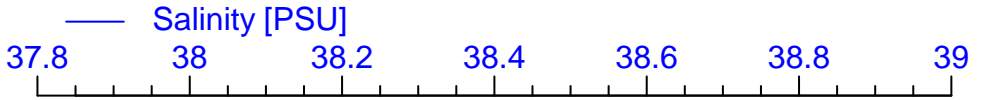
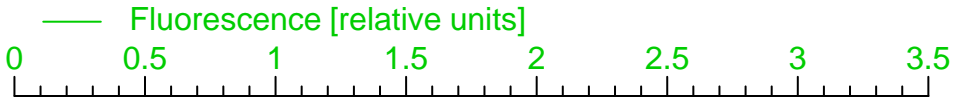
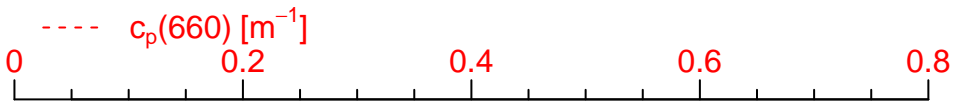
bous188_02

Date = 17/10/2017
Heure debut [TU] = 12:11
Longitude = 007 53.967 E
Latitude = 43 22.260 N



bous188_03

Date = 17/10/2017
Heure debut [TU] = 12:38
Longitude = 007 54.081 E
Latitude = 43 22.164 N



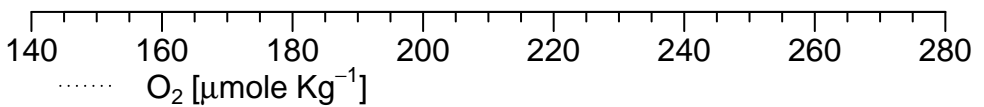
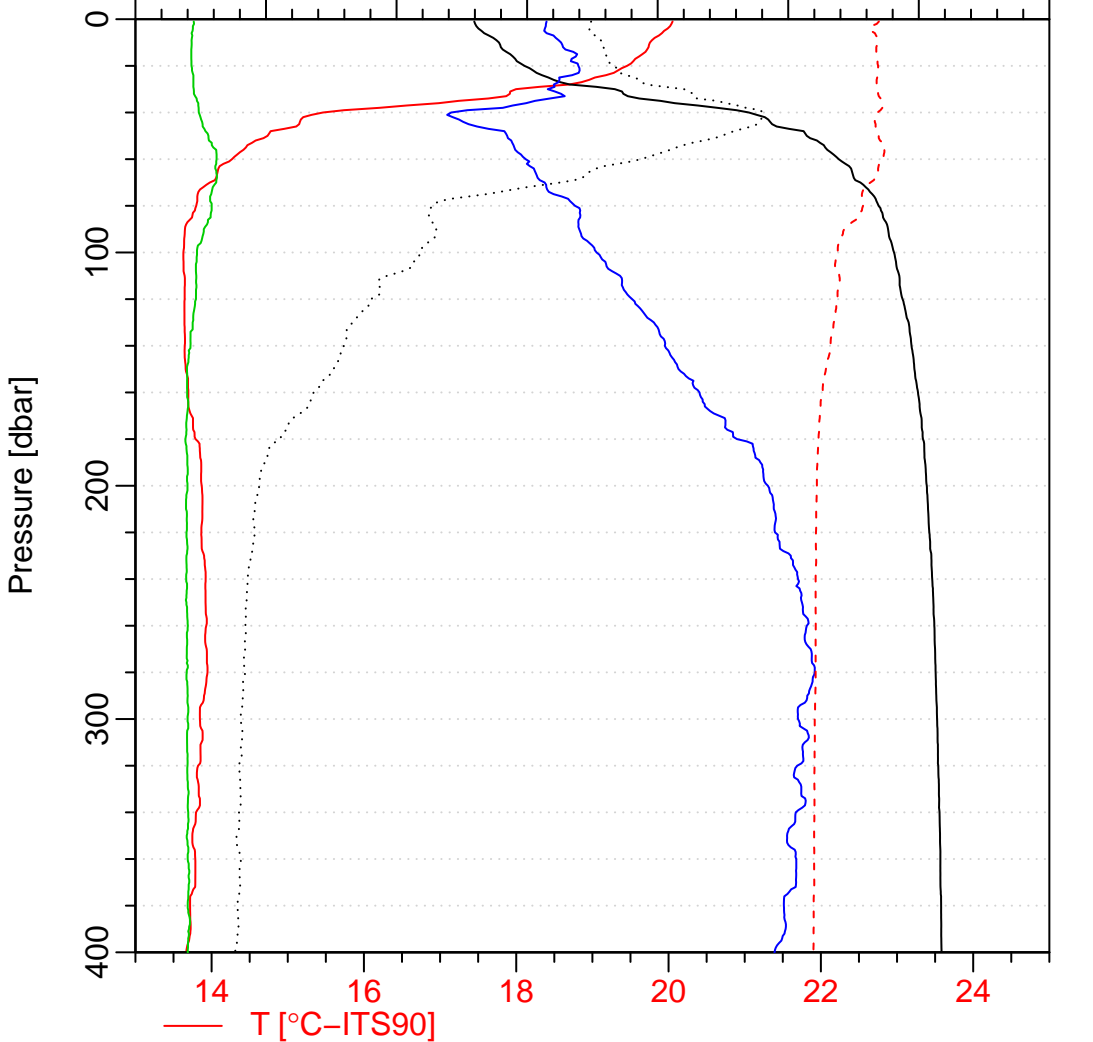
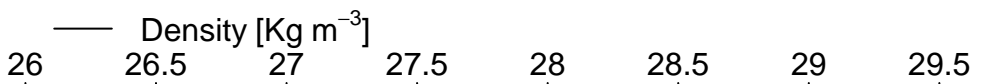
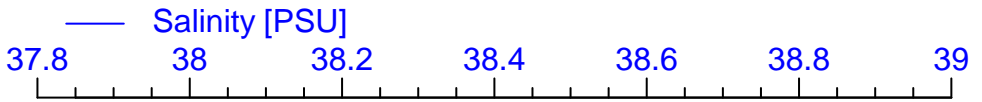
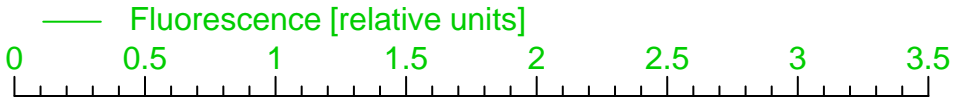
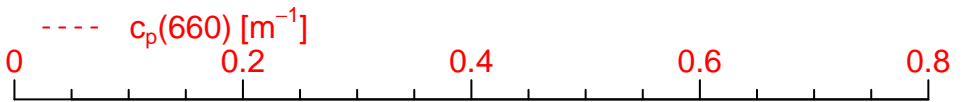
bous188_04

Date = 18/10/2017

Heure debut [TU] = 11:11

Longitude = 007 53.852 E

Latitude = 43 21.984 N



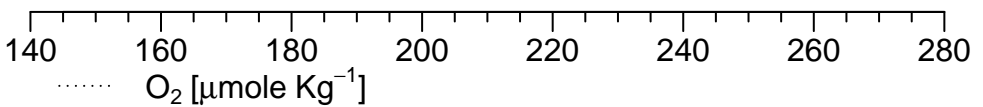
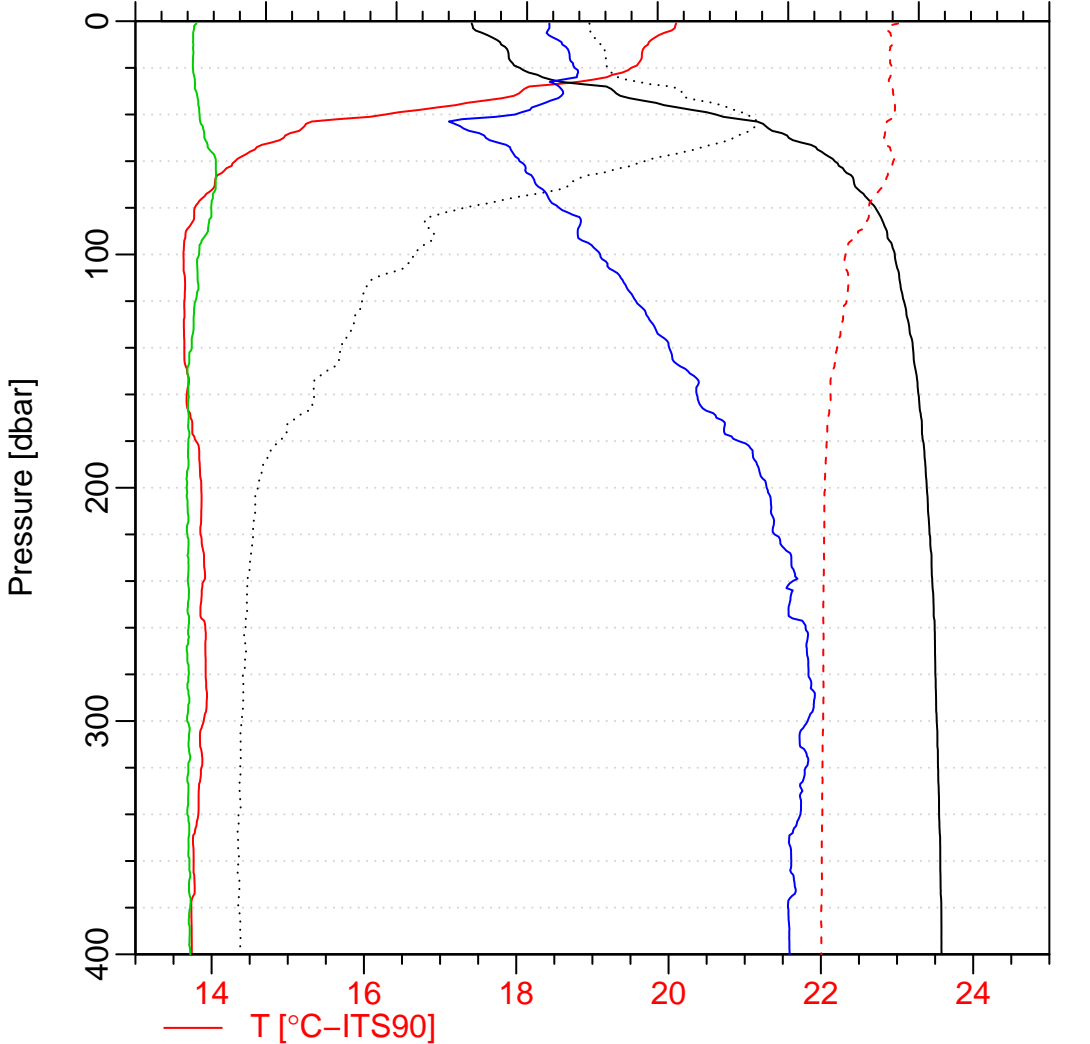
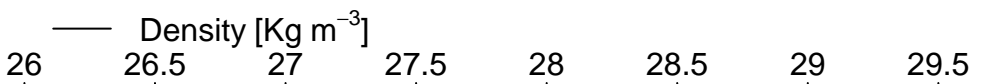
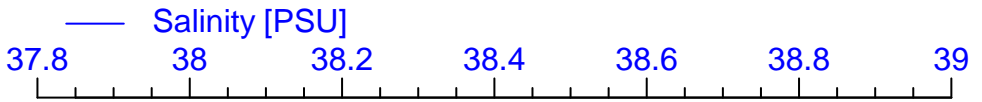
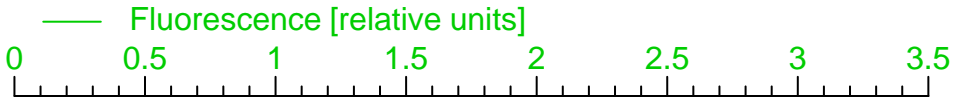
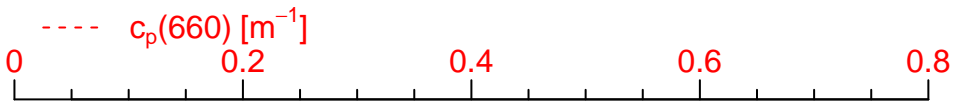
bous188_05

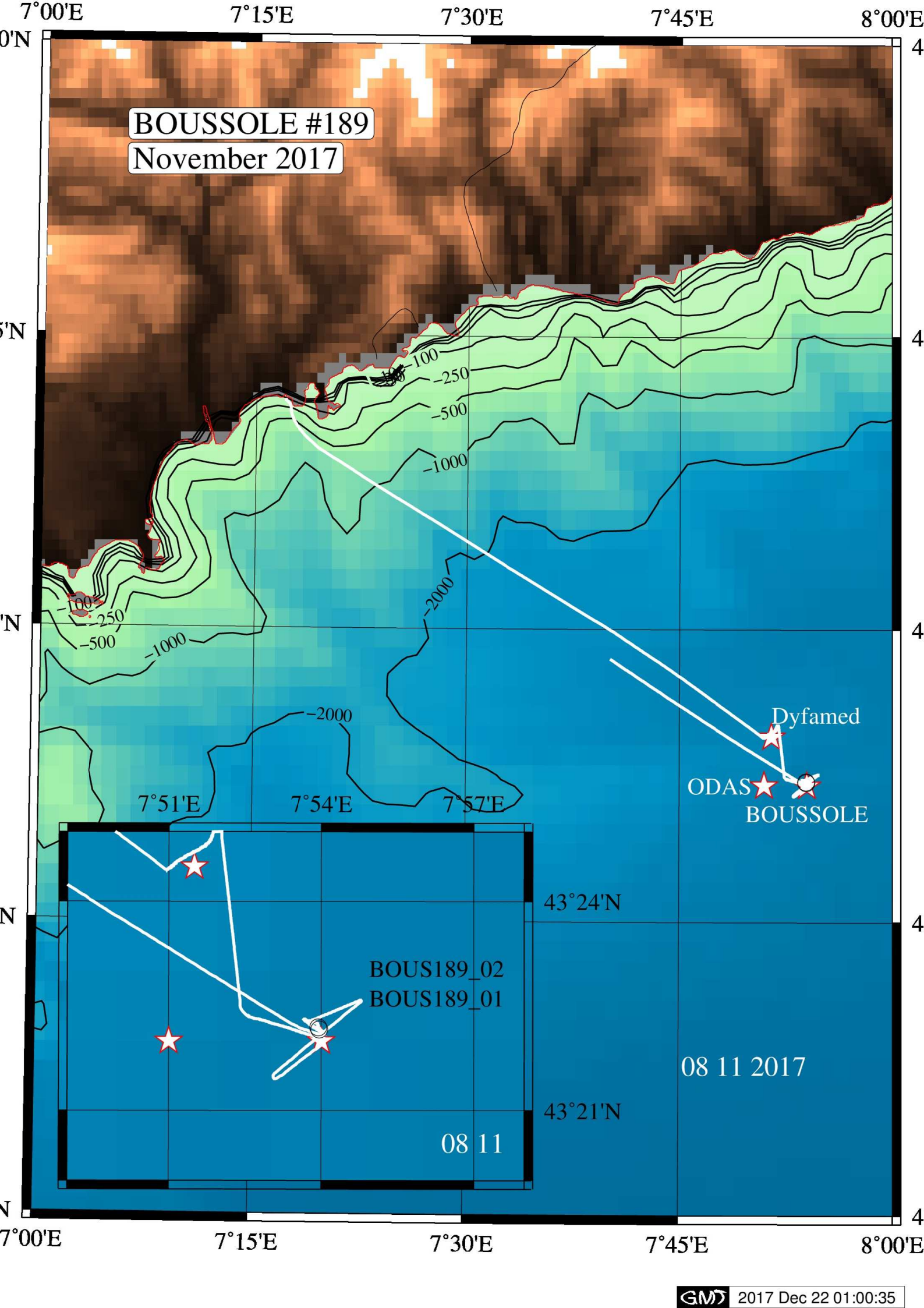
Date = 18/10/2017

Heure debut [TU] = 12:56

Longitude = 007 53.869 E

Latitude = 43 22.050 N





Date: 01/08/2018

Instrument configuration file: C:\boussole\Data\CTD\2017\B189\raw\ConfigCTD_nov2017.XMLCON

Configuration report for SBE 911plus/917plus CTD

Frequency channels suppressed : 2
Voltage words suppressed : 0
Computer interface : RS-232C
Deck unit : SBE11plus Firmware Version >= 5.0
Scans to average : 1
NMEA position data added : Yes
NMEA depth data added : No
NMEA time added : No
NMEA device connected to : deck unit
Surface PAR voltage added : No
Scan time added : No

1) Frequency 0, Temperature

Serial number : 1378
Calibrated on : 17-Nov-16
G : 4.87027953e-003
H : 6.78490431e-004
I : 2.68163363e-005
J : 2.12217961e-006
F0 : 1000.000
Slope : 1.00000000
Offset : 0.0000

2) Frequency 1, Conductivity

Serial number : 2929
Calibrated on : 15-Nov-16
G : -1.06028633e+001
H : 1.42156293e+000
I : 1.07532686e-004
J : 6.55385364e-005
CTcor : 3.2500e-006
CPcor : -9.57000000e-008
Slope : 1.00000000
Offset : 0.00000

3) Frequency 2, Pressure, Digiquartz with TC

Serial number : 0329
Calibrated on : 04-Dec-09 (corr May-2017)
C1 : -4.499631e+004
C2 : 4.598757e-001
C3 : 1.505020e-002
D1 : 3.936600e-002
D2 : 0.000000e+000
T1 : 3.004570e+001
T2 : -1.880753e-004
T3 : 4.727060e-006
T4 : -1.923520e-009
T5 : 0.000000e+000
Slope : 0.99996509
Offset : -1.27039
AD590M : 1.280100e-002
AD590B : -9.240166e+000

4) A/D voltage 0, Oxygen, SBE 43

Serial number : 0378
Calibrated on : 02-Dec-16
Equation : Sea-Bird
Soc : 3.44150e-001
Offset : -6.66600e-001
A : -2.23690e-003
B : 7.37750e-005
C : -1.02150e-006
E : 3.60000e-002
Tau20 : 1.20000e+000

D1 : 1.92634e-004
D2 : -4.64803e-002
H1 : -3.30000e-002
H2 : 5.00000e+003
H3 : 1.45000e+003

5) A/D voltage 1, Free

6) A/D voltage 2, Fluorometer, Chelsea Aqua 3

Serial number : 088193
Calibrated on : 27-Oct-97
VB : 0.165000
V1 : 1.933000
Vacetone : 0.250000
Scale factor : 1.000000
Slope : 1.000000
Offset : 0.000000

7) A/D voltage 3, Transmissometer, WET Labs C-Star

Serial number : CST-1190DR
Calibrated on : 18082015
M : 19.2900
B : -1.1188
Path length : 0.250

8) A/D voltage 4, User Polynomial

Serial number : 171
Calibrated on : 19-May-14
Sensor name : RINKOIII_DO
A0 : 0.00000000
A1 : 1.00000000
A2 : 0.00000000
A3 : 0.00000000

9) A/D voltage 5, User Polynomial, 2

Serial number : 171
Calibrated on : 12-May-14
Sensor name : RINKOIII_Temp
A0 : -5.25367500
A1 : 16.66254000
A2 : -2.13105300
A3 : 0.45564880

10) A/D voltage 6, Altimeter

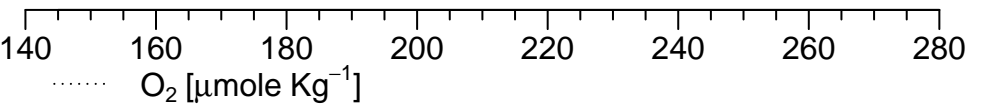
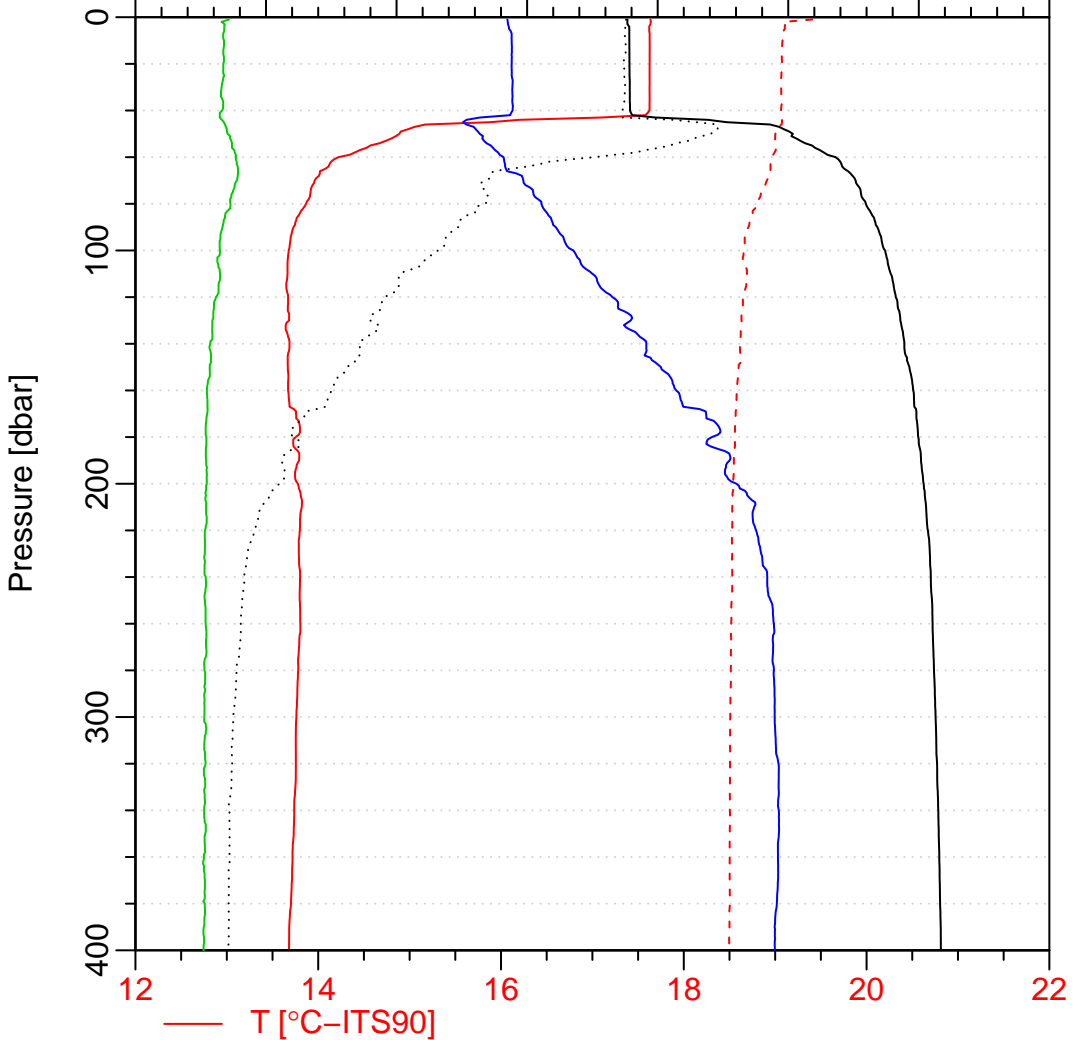
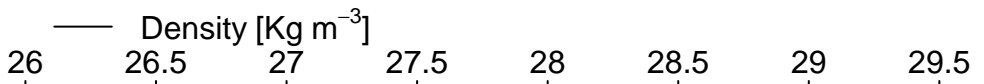
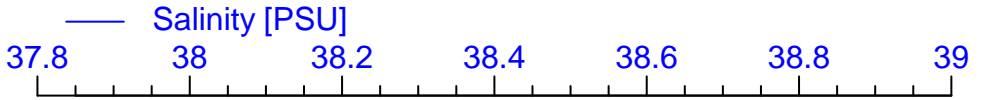
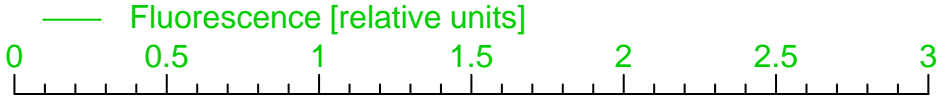
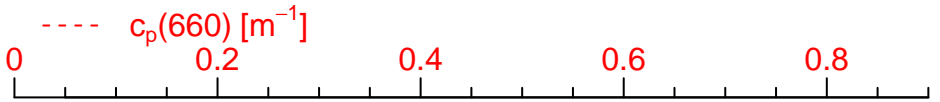
Serial number : 310799
Calibrated on : 19-Oct-16
Scale factor : 15.000
Offset : 0.000

11) A/D voltage 7, Free

Scan length : 31

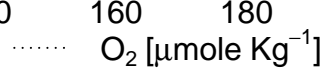
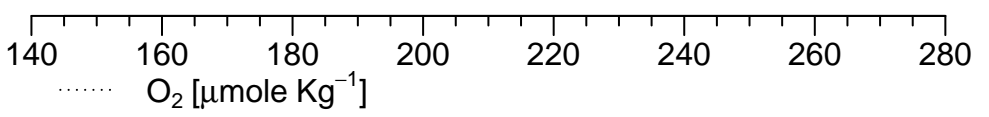
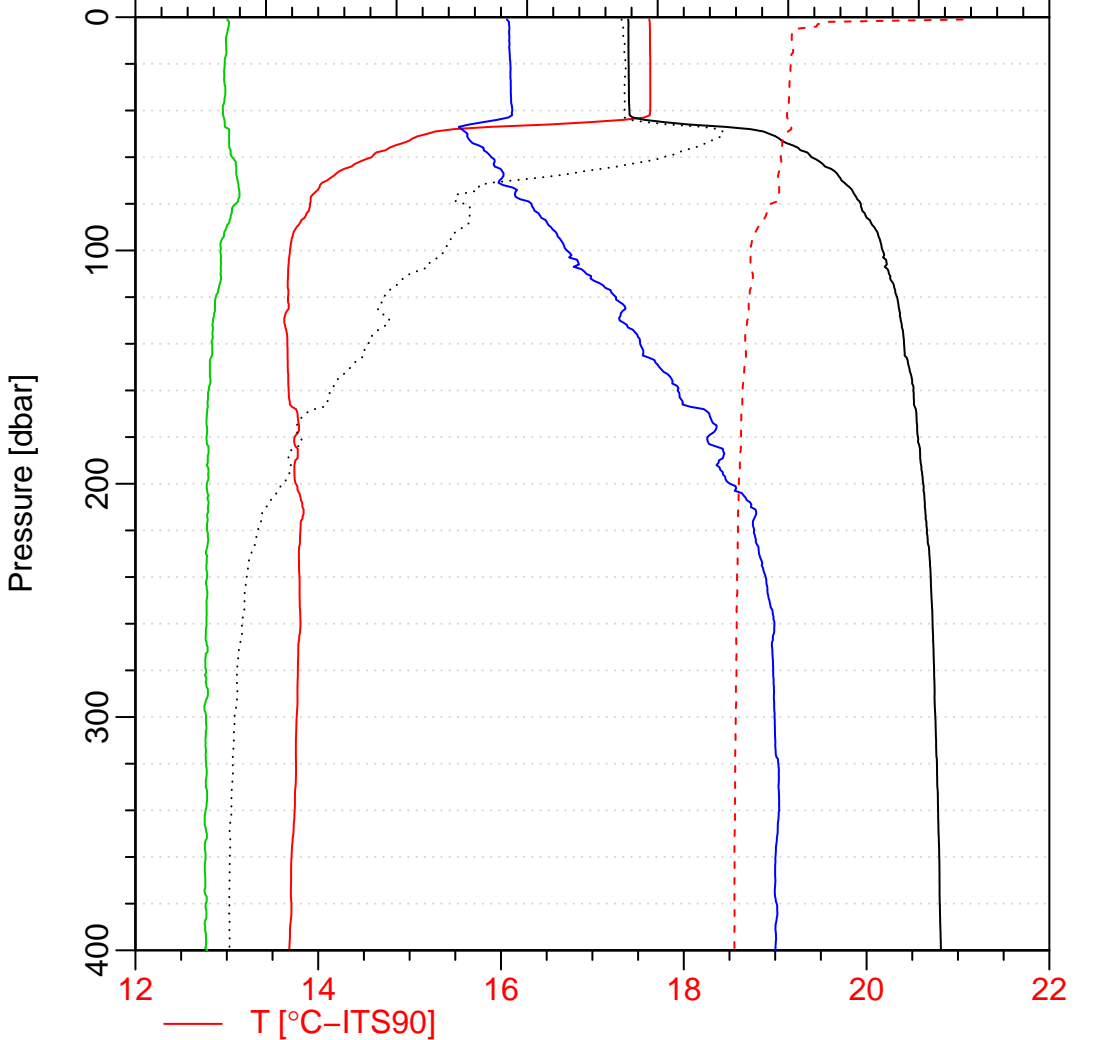
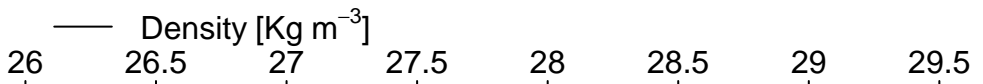
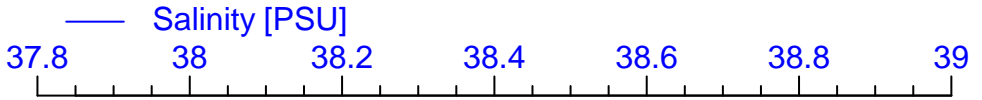
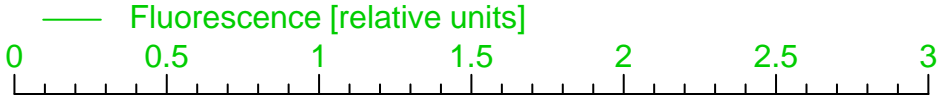
bous189_01

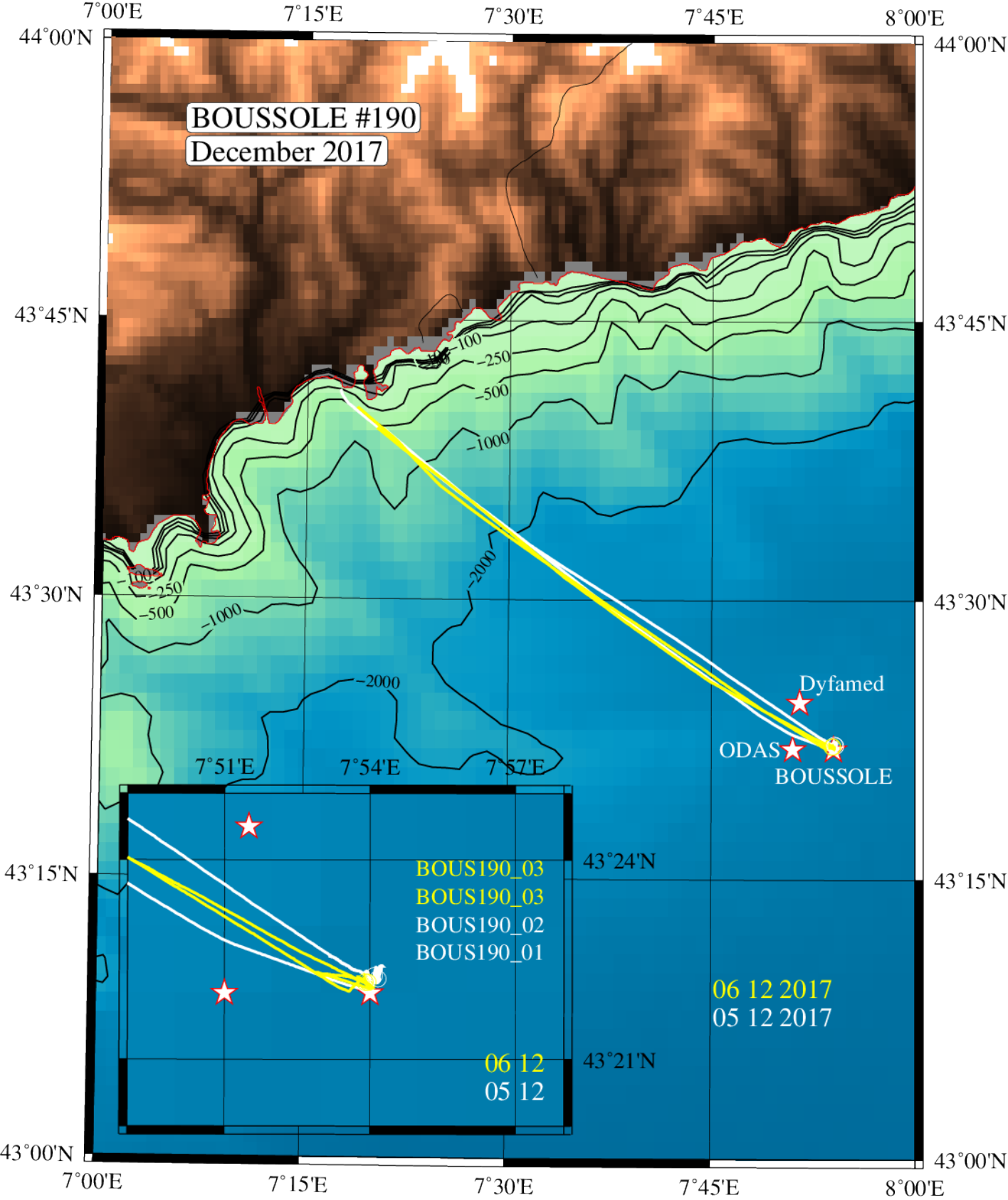
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Heure debut [TU] = 09:47
Longitude = 007 53.964 E
Latitude = 43 22.162 N



bous189_02

Date = 08/11/2017
Heure debut [TU] = 11:02
Longitude = 007 53.946 E
Latitude = 43 22.195 N





Date: 01/08/2018

Instrument configuration file: C:\boussole\Data\CTD\2017\B190\raw\configCTD-dec2017.XMLCON

Configuration report for SBE 911plus/917plus CTD

Frequency channels suppressed : 2
Voltage words suppressed : 0
Computer interface : RS-232C
Deck unit : SBE11plus Firmware Version >= 5.0
Scans to average : 1
NMEA position data added : Yes
NMEA depth data added : No
NMEA time added : No
NMEA device connected to : deck unit
Surface PAR voltage added : No
Scan time added : No

1) Frequency 0, Temperature

Serial number : 1378
Calibrated on : 17-Nov-16
G : 4.87027953e-003
H : 6.78490431e-004
I : 2.68163363e-005
J : 2.12217961e-006
F0 : 1000.000
Slope : 1.00000000
Offset : 0.0000

2) Frequency 1, Conductivity

Serial number : 2929
Calibrated on : 15-Nov-16
G : -1.06028633e+001
H : 1.42156293e+000
I : 1.07532686e-004
J : 6.55385364e-005
CTcor : 3.2500e-006
CPcor : -9.57000000e-008
Slope : 1.00000000
Offset : 0.00000

3) Frequency 2, Pressure, Digiquartz with TC

Serial number : 0329
Calibrated on : 04-Dec-09 (corr May-2017)
C1 : -4.499631e+004
C2 : 4.598757e-001
C3 : 1.505020e-002
D1 : 3.936600e-002
D2 : 0.000000e+000
T1 : 3.004570e+001
T2 : -1.880753e-004
T3 : 4.727060e-006
T4 : -1.923520e-009
T5 : 0.000000e+000
Slope : 0.99996509
Offset : -1.27039
AD590M : 1.280100e-002
AD590B : -9.240166e+000

4) A/D voltage 0, Oxygen, SBE 43

Serial number : 0378
Calibrated on : 02-Dec-16
Equation : Sea-Bird
Soc : 3.44150e-001
Offset : -6.66600e-001
A : -2.23690e-003
B : 7.37750e-005
C : -1.02150e-006
E : 3.60000e-002
Tau20 : 1.20000e+000

D1 : 1.92634e-004
D2 : -4.64803e-002
H1 : -3.30000e-002
H2 : 5.00000e+003
H3 : 1.45000e+003

5) A/D voltage 1, Free

6) A/D voltage 2, Fluorometer, Chelsea Aqua 3

Serial number : 088193
Calibrated on : 27-Oct-97
VB : 0.165000
V1 : 1.933000
Vacetone : 0.250000
Scale factor : 1.000000
Slope : 1.000000
Offset : 0.000000

7) A/D voltage 3, Transmissometer, WET Labs C-Star

Serial number : CST-887DR
Calibrated on : 07112017
M : 21.3038
B : -0.1065
Path length : 0.250

8) A/D voltage 4, User Polynomial

Serial number : 171
Calibrated on : 19-May-14
Sensor name : RINKOIII_DO
A0 : 0.00000000
A1 : 1.00000000
A2 : 0.00000000
A3 : 0.00000000

9) A/D voltage 5, User Polynomial, 2

Serial number : 171
Calibrated on : 12-May-14
Sensor name : RINKOIII_Temp
A0 : -5.25367500
A1 : 16.66254000
A2 : -2.13105300
A3 : 0.45564880

10) A/D voltage 6, Altimeter

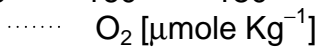
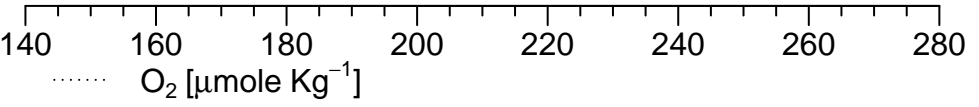
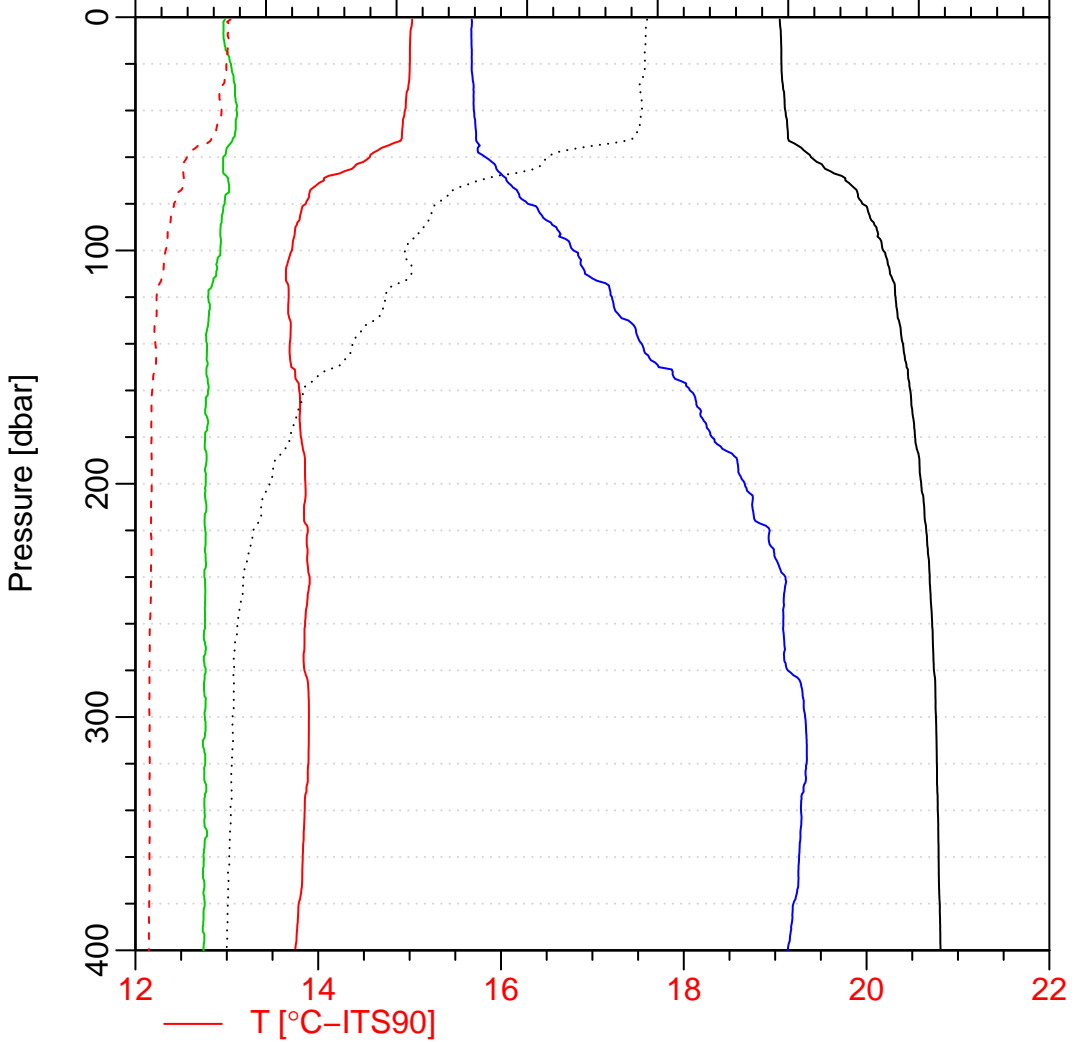
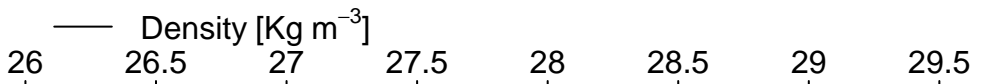
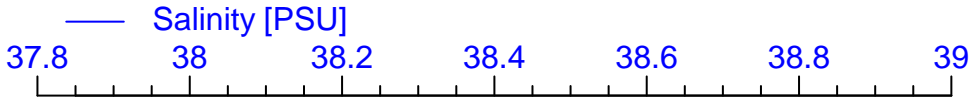
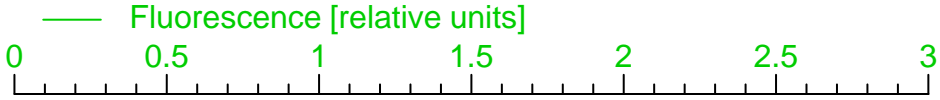
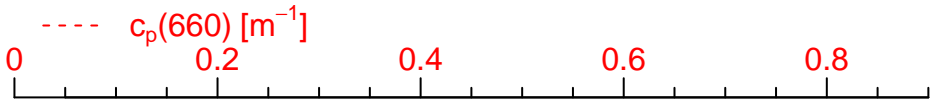
Serial number : 310799
Calibrated on : 19-Oct-16
Scale factor : 15.000
Offset : 0.000

11) A/D voltage 7, Free

Scan length : 31

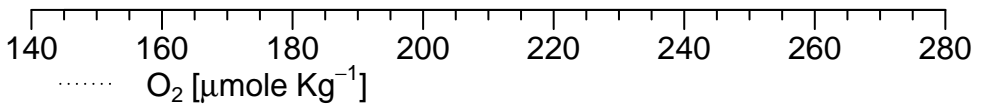
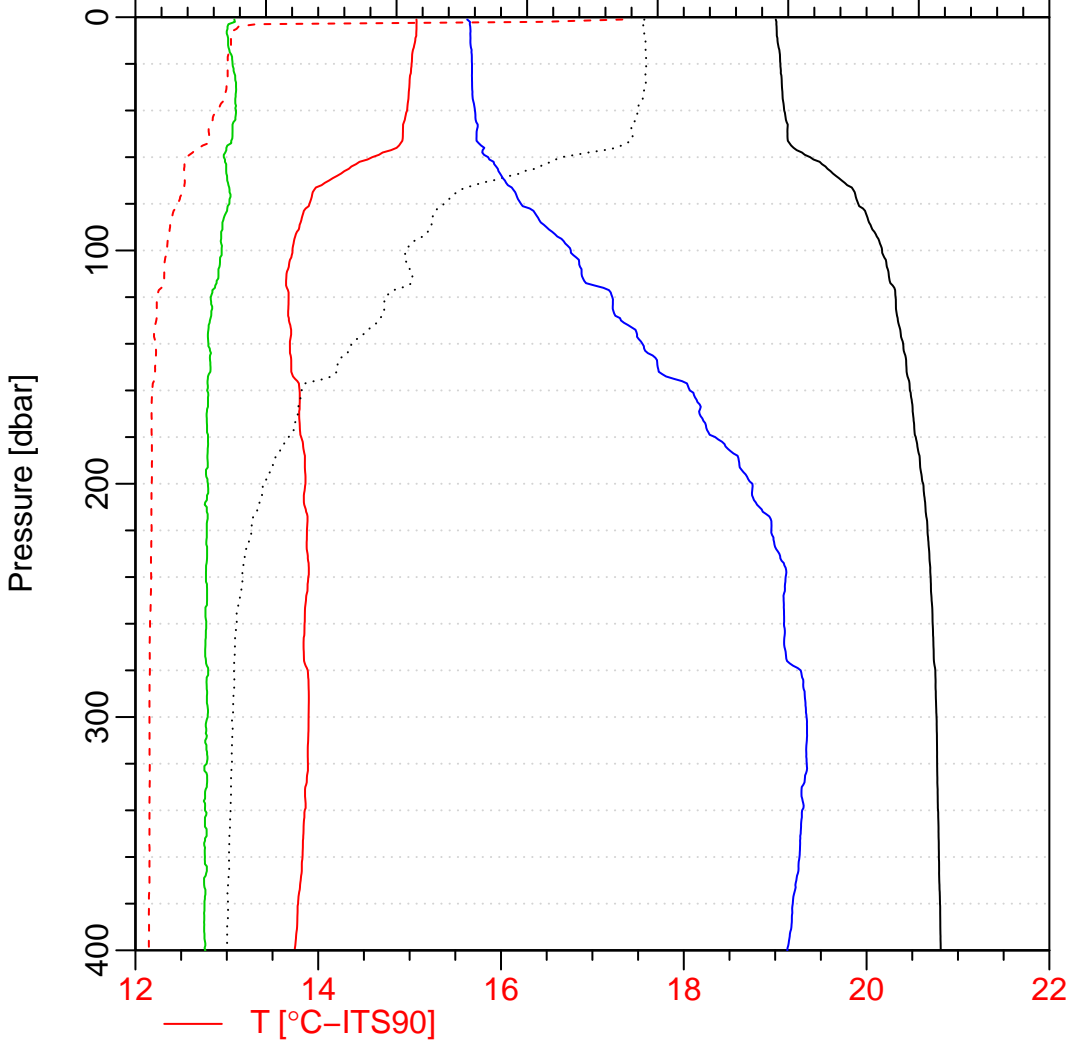
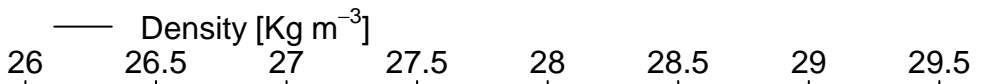
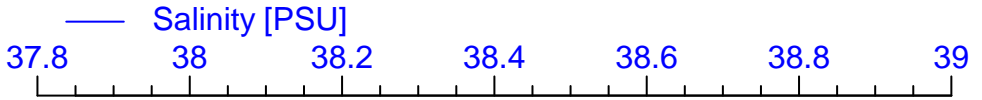
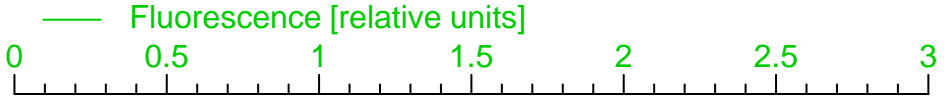
bous190_01

Date = 05/12/2017
Heure debut [TU] = 12:05
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Latitude = 43 22.258 N



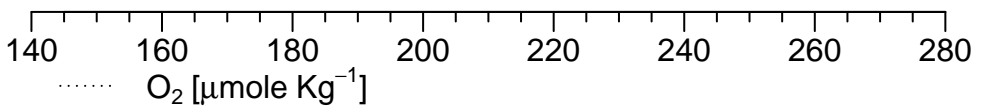
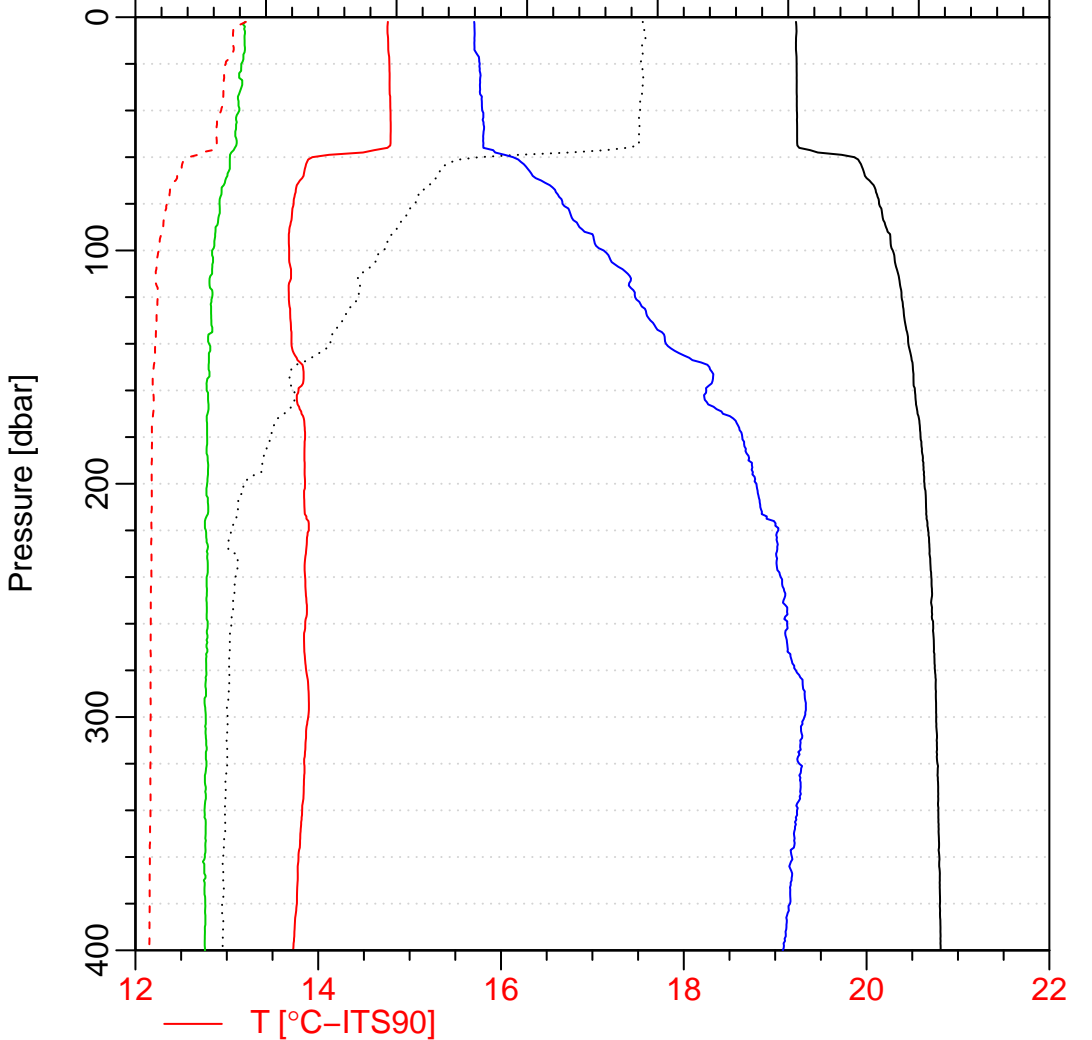
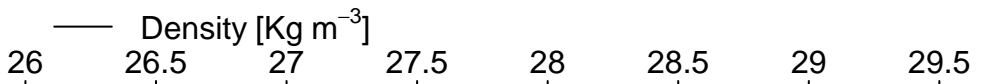
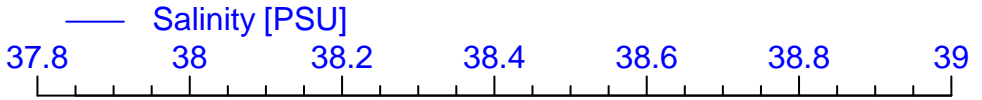
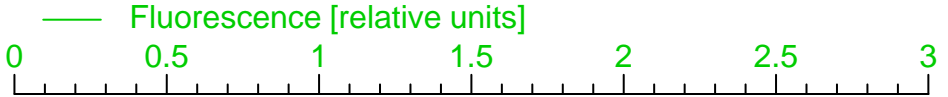
bous190_02

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Longitude = 007 54.167 E
Latitude = 43 22.212 N



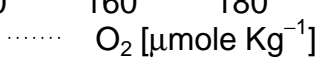
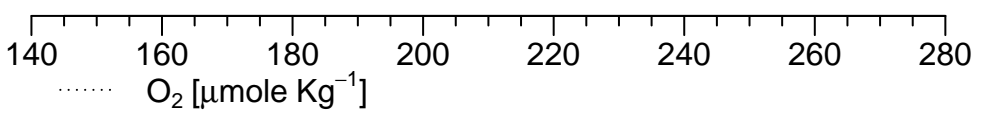
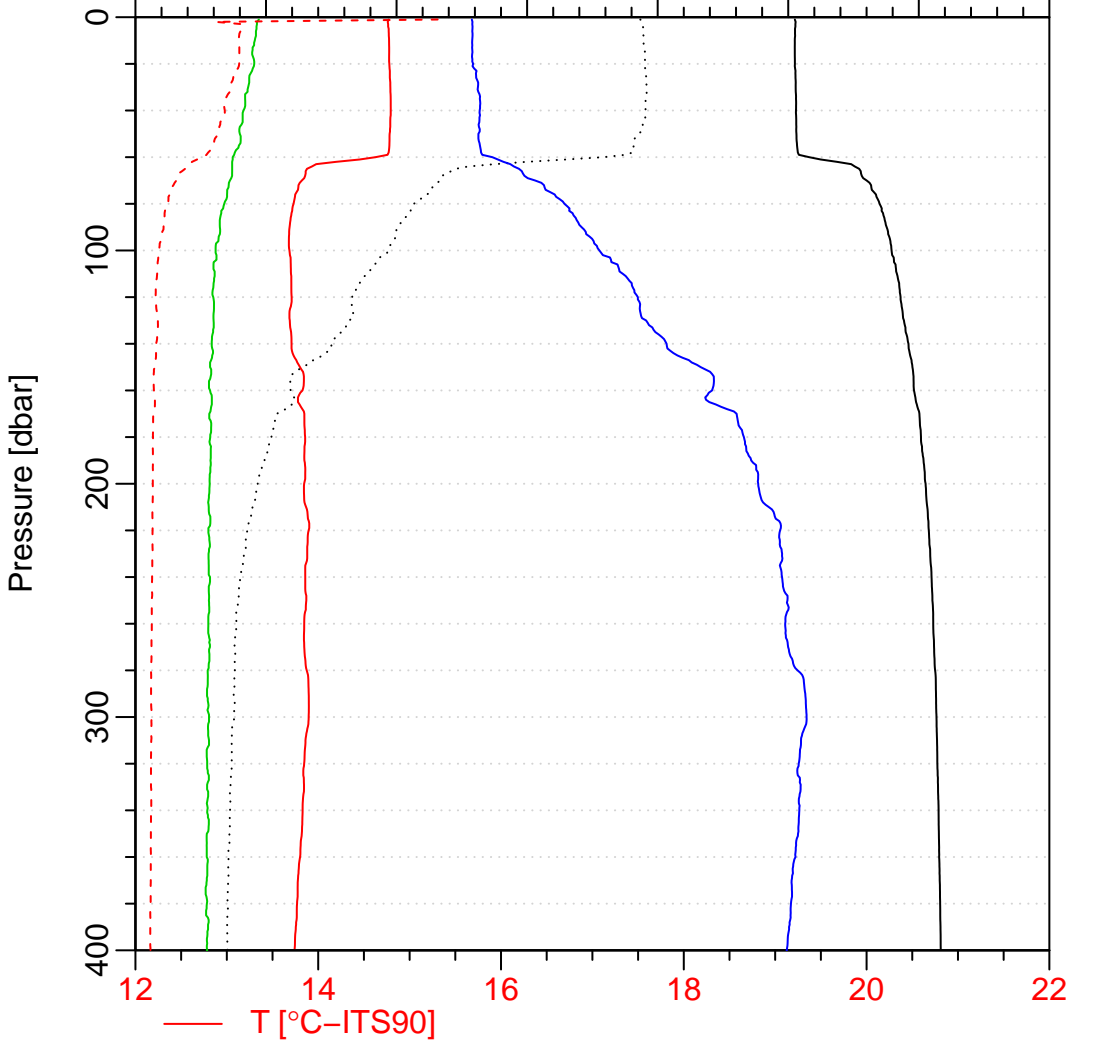
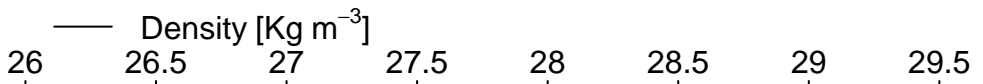
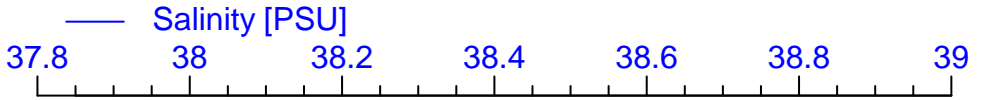
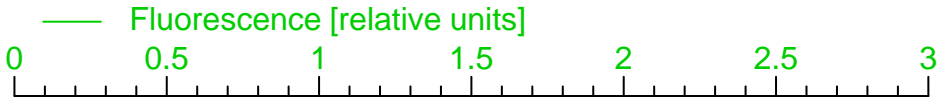
bous190_03

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Latitude = 43 22.164 N



bous190_04

Date = 06/12/2017
Heure debut [TU] = 12:54
Longitude = 007 53.958 E
Latitude = 43 22.156 N



Problems identified during the cruises

BOUSSOLE #179

CTD casts could not be performed because the cruise was cancelled due to bad weather.

BOUSSOLE #180

The IOP package was not available for this cruise.

Because of a lack of time, only 1 CTD cast was performed with water sampling at 10 depths unlike the usual 12 depths.

BOUSSOLE #181

The IOP package was not available for this cruise

BOUSSOLE #182

It was not possible to perform IOP casts. The cable that connects the batteries to the hydroDAS (data logger of the IOP package) was broken. The connectors of the cable were corroded. It was probably due to the wear of the cable which is often connected and disconnected.

BOUSSOLE #183

It was not possible to perform IOP casts because the instrumentation did not work: the cable that connects the batteries to the hydroDAS (data logger of the IOP package), which was broken during previous operations, had been replaced before the cruise. However, the female connector on the data logger side, which was corroded and broken, could not be replaced. A new connector was ordered from the manufacturer but unfortunately it was not received in time for this cruise.

BOUSSOLE#184

The HydroDAS on the IOP package worked correctly but, unfortunately, there was no data from the Hydroscat-6 recorded on the hydroDAS. The Hydroscat-6 went to sleep because of a low voltage of its internal battery. The internal battery discharged quickly and seems to be faulty. After the cruise, it was decided to send the IOP package to the manufacturer for calibration and repair.

For the CTD 01 cast, two Niskin bottles were closed incorrectly twice at the same depth (150 m and 70 m depth). And seawater was not sampled at 80 m and 20 m depth. So, it was decided to sample at these two depths during the CTD 02 cast.

BOUSSOLE#185

The IOP package was not available for this cruise because it was sent to the manufacturer for calibration and repair.

BOUSSOLE#186

The navigation and thermosalinograph data from the *Téthys II* were not available the second day because of a problem in the acquisition system and the pump of the thermosalinograph was not switched on.

BOUSSOLE #187

No problems.

BOUSSOLE #188

No problems.

BOUSSOLE #189

The bottles containing the O₂ samples were accidentally broken in the lab. So, there will be no O₂ data obtained by Winkler analyses for this cruise.

BOUSSOLE #190

No problems.