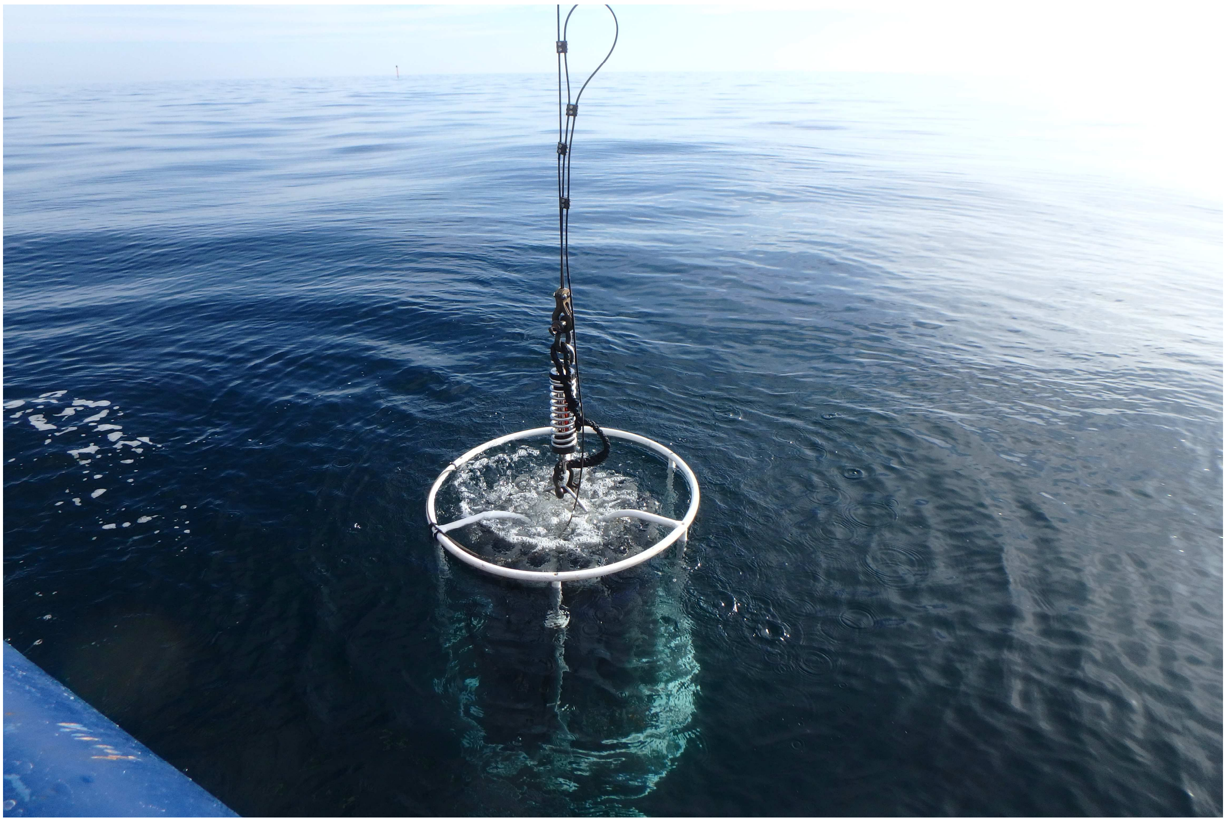
BOUSSOLE PROJECT

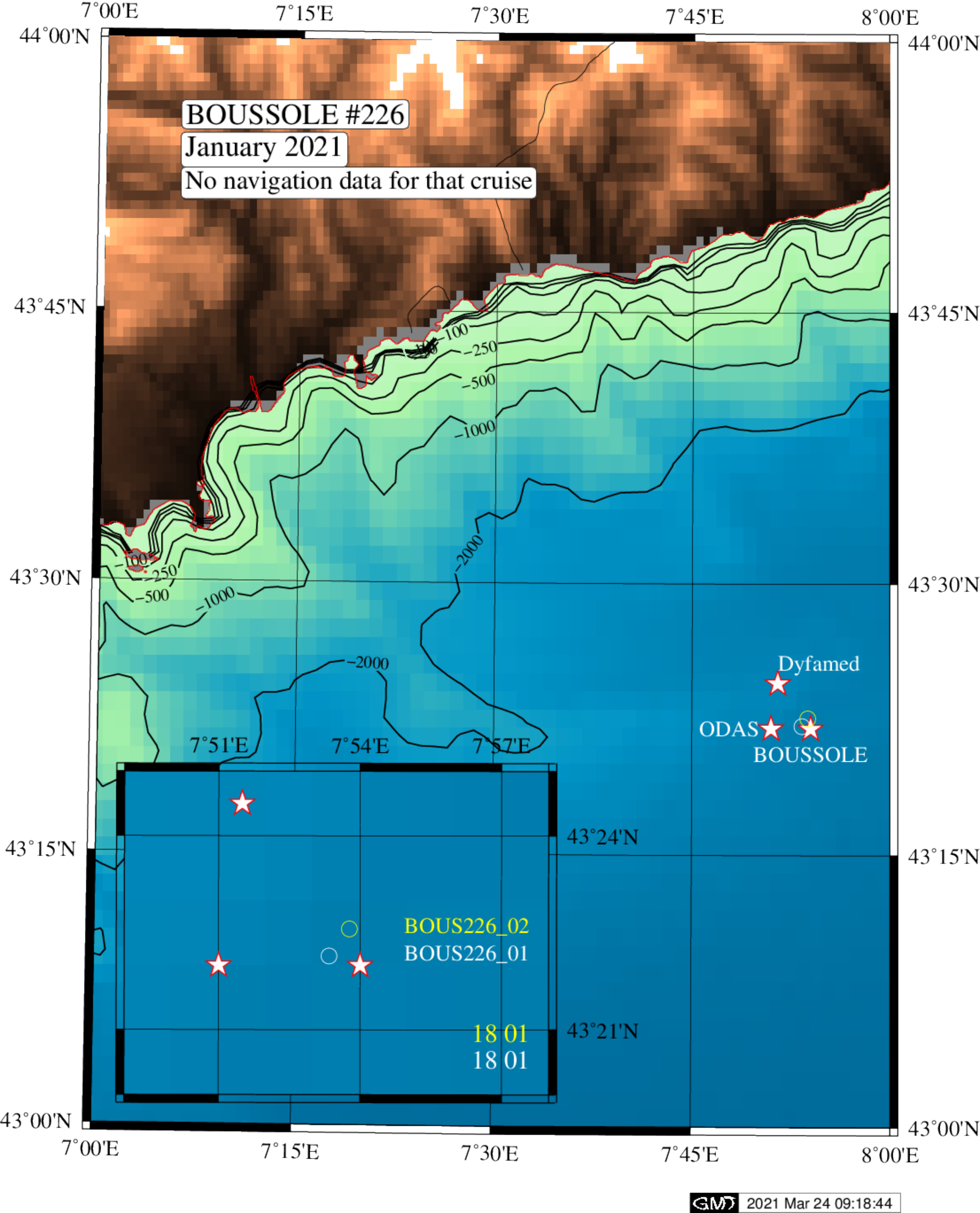
CTD Data catalogue for 2021
Cruise 226 to cruise 237

Institut de la Mer de Villefranche (IMEV), 06230 Villefranche sur mer, France

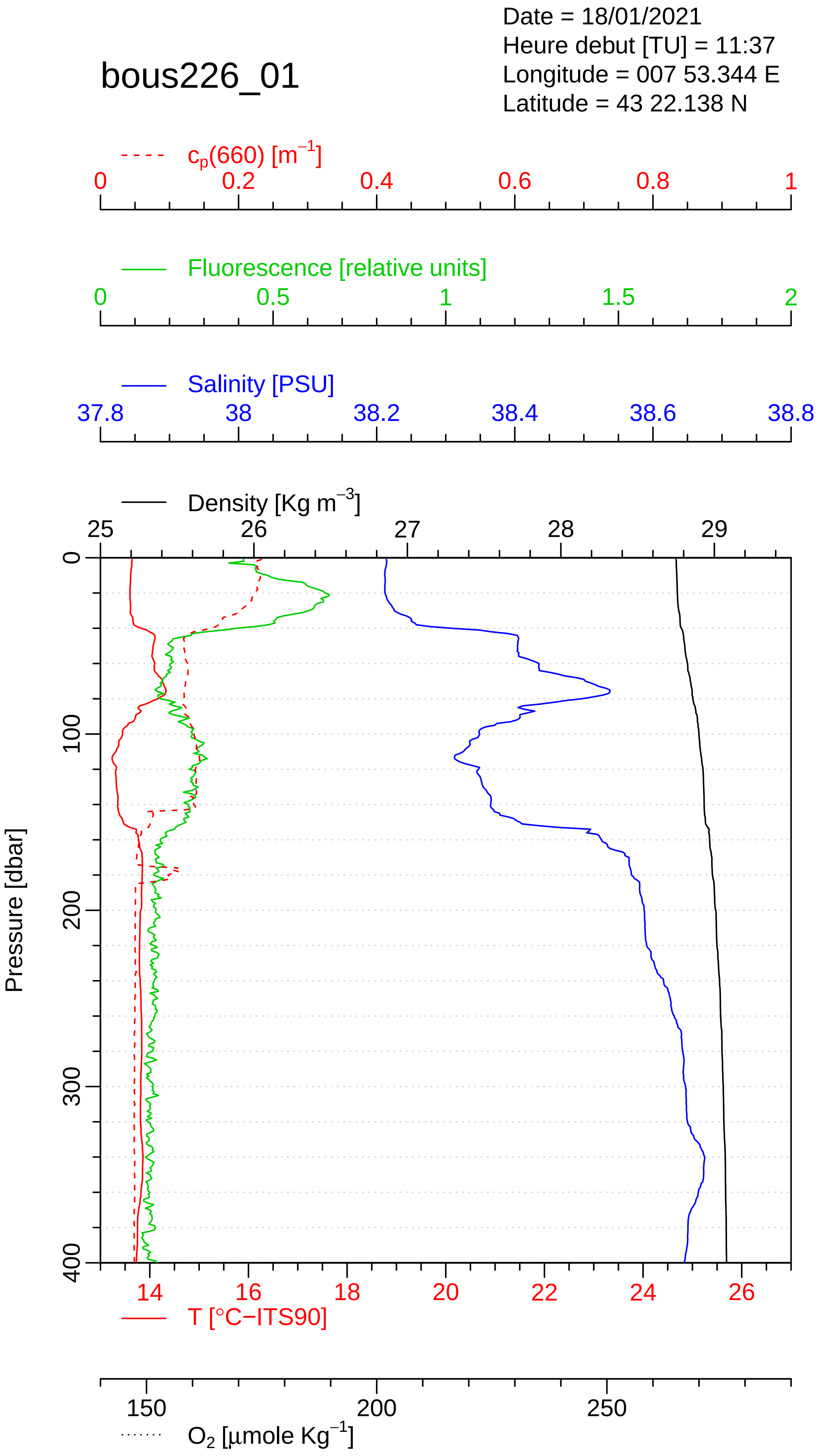


Deployment of the CTD-Rosette from the deck of the R/V *Téthys II* at the BOUSSOLE site.

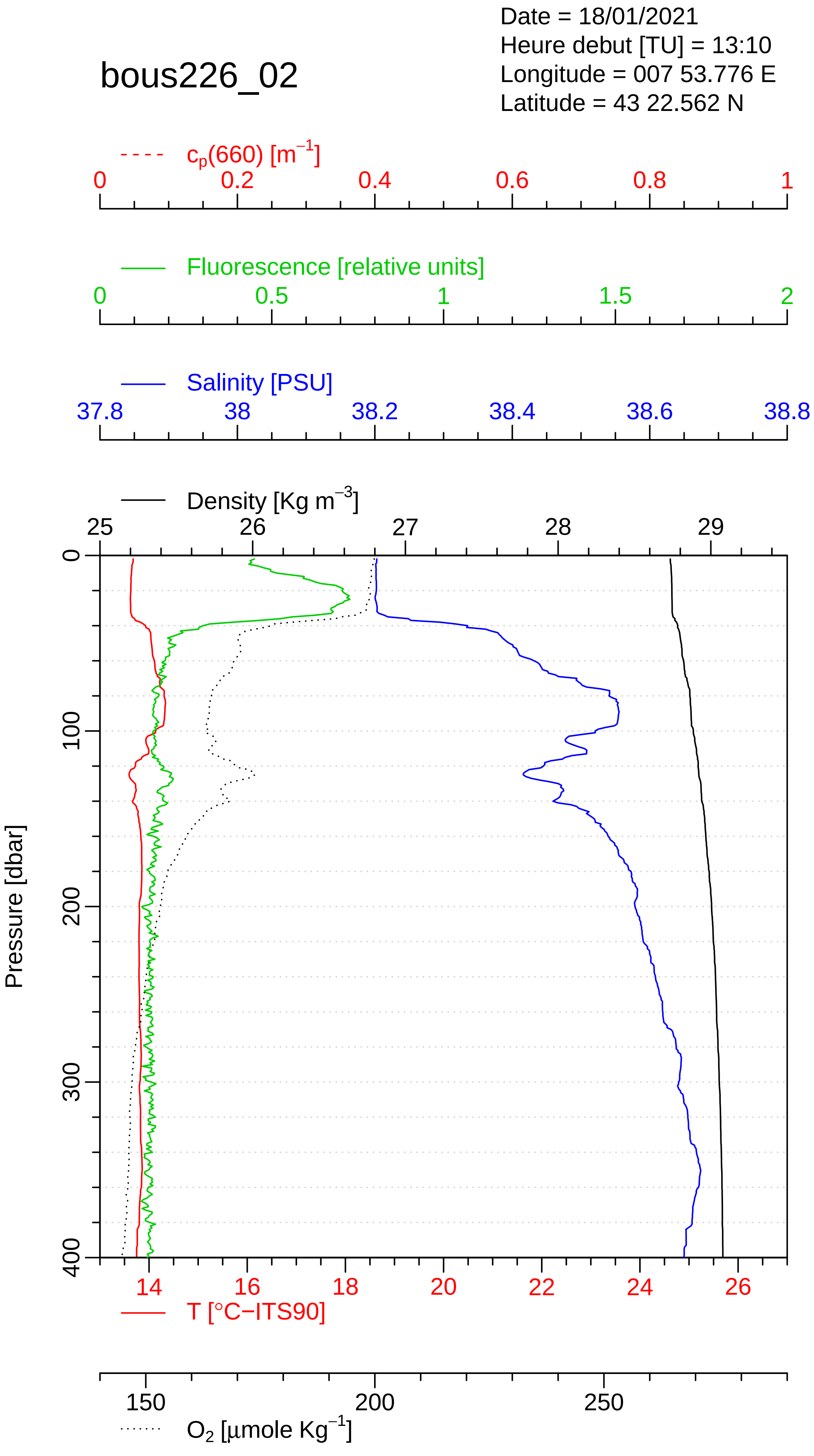
ESA/ESRIN contract N° 4000119096/17/I-BG



BOUSSOLE #226
January 2021
No navigation data for that cruise
7°00'E
7°15'E
7°30'E
7°45'E
8°00'E
44°00'N
43°45'N
43°30'N
43°15'N
43°00'N
−100
−250
−500
−1000
−2000
Dyfamed
ODAS
BOUSSOLE
7°51'E
7°54'E
7°57'E
43°24'N
43°21'N
BOUS226_02
BOUS226_01
18 01
18 01
2021 Mar 24 09:18:44



bous226_01
Date = 18/01/2021
Heure debut [TU] = 11:37
Longitude = 007 53.344 E
Latitude = 43 22.138 N
c_p(660) [m^{-1}]
0
0.2
0.4
0.6
0.8
1
Fluorescence [relative units]
0
0.5
1
1.5
2
Salinity [PSU]
37.8
38
38.2
38.4
38.6
38.8
Density [Kg m^{-3}]
25
26
27
28
29
Pressure [dbar]
0
100
200
300
400
14
16
18
20
22
24
26
T [°C−ITS90]
150
200
250
O_2 [µmole Kg^{-1}]



bous226_02
Date = 18/01/2021
Heure debut [TU] = 13:10
Longitude = 007 53.776 E
Latitude = 43 22.562 N
$c_p(660)$ [m^{-1}]
0 0.2 0.4 0.6 0.8 1
Fluorescence [relative units]
0 0.5 1 1.5 2
Salinity [PSU]
37.8 38 38.2 38.4 38.6 38.8
Density [Kg m^{-3}]
25 26 27 28 29
Pressure [dbar]
0 100 200 300 400
14 16 18 20 22 24 26
T [°C−ITS90]
150 200 250
O_2 [μmole Kg^{-1}]

Date: 01/24/2022

Instrument configuration file: D:\Melek\boussole\Data\CTD\data&process\2021\B226\raw\BOUS226_01.XMLCON

Configuration report for SBE 911plus/917plus CTD

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

1) Frequency 0, Temperature

Serial number : 2473
Calibrated on : 04-Mar-20
G : 4.36726120e-003
H : 6.43151581e-004
I : 2.33812060e-005
J : 2.23255667e-006
F0 : 1000.000
Slope : 1.00000000
Offset : 0.0000

2) Frequency 1, Conductivity

Serial number : 2929
Calibrated on : 05-Mar-20
G : -1.05951733e+001
H : 1.41908901e+000
I : 7.59510042e-004
J : 2.04144674e-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 : -2.27039
AD590M : 1.280100e-002

AD590B : -9.240166e+000

4) Frequency 3, Temperature, 2

Serial number : 5545
Calibrated on : 11-Jul-18
G : 4.31331688e-003
H : 6.26102919e-004
I : 1.91674175e-005
J : 1.39951663e-006
F0 : 1000.000
Slope : 1.00000000
Offset : 0.0000

5) Frequency 4, Conductivity, 2

Serial number : 4097
Calibrated on : 29-Oct-19
G : -9.94156304e+000
H : 1.22604249e+000
I : -2.34562610e-003
J : 2.23476473e-004
CTcor : 3.2500e-006
CPcor : -9.57000000e-008
Slope : 1.00000000
Offset : 0.00000

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

Serial number : 0033
Calibrated on : 26-Aug-20
Equation : Sea-Bird
Soc : 5.95200e-001
Offset : -4.77100e-001
A : -4.60520e-003
B : 1.52260e-004
C : -2.23960e-006
E : 3.60000e-002
Tau20 : 1.34000e+000
D1 : 1.92634e-004
D2 : -4.64803e-002
H1 : -3.30000e-002
H2 : 5.00000e+003
H3 : 1.45000e+003

7) A/D voltage 1, Free

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

Serial number : 088-193
Calibrated on : 11-jul-2019
VB : 0.406700
V1 : 1.761800
Vacetone : 0.683330
Scale factor : 1.000000
Slope : 1.000000
Offset : -0.260000

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

Serial number : CST-887DR
Calibrated on : oct2019
M : 21.0776
B : -0.2951
Path length : 0.250

10) A/D voltage 4, User Polynomial

Serial number : 171
Calibrated on : 19May2014
Sensor name : RINKOIII_DO
A0 : 0.00000000
A1 : 1.00000000
A2 : 0.00000000
A3 : 0.00000000

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

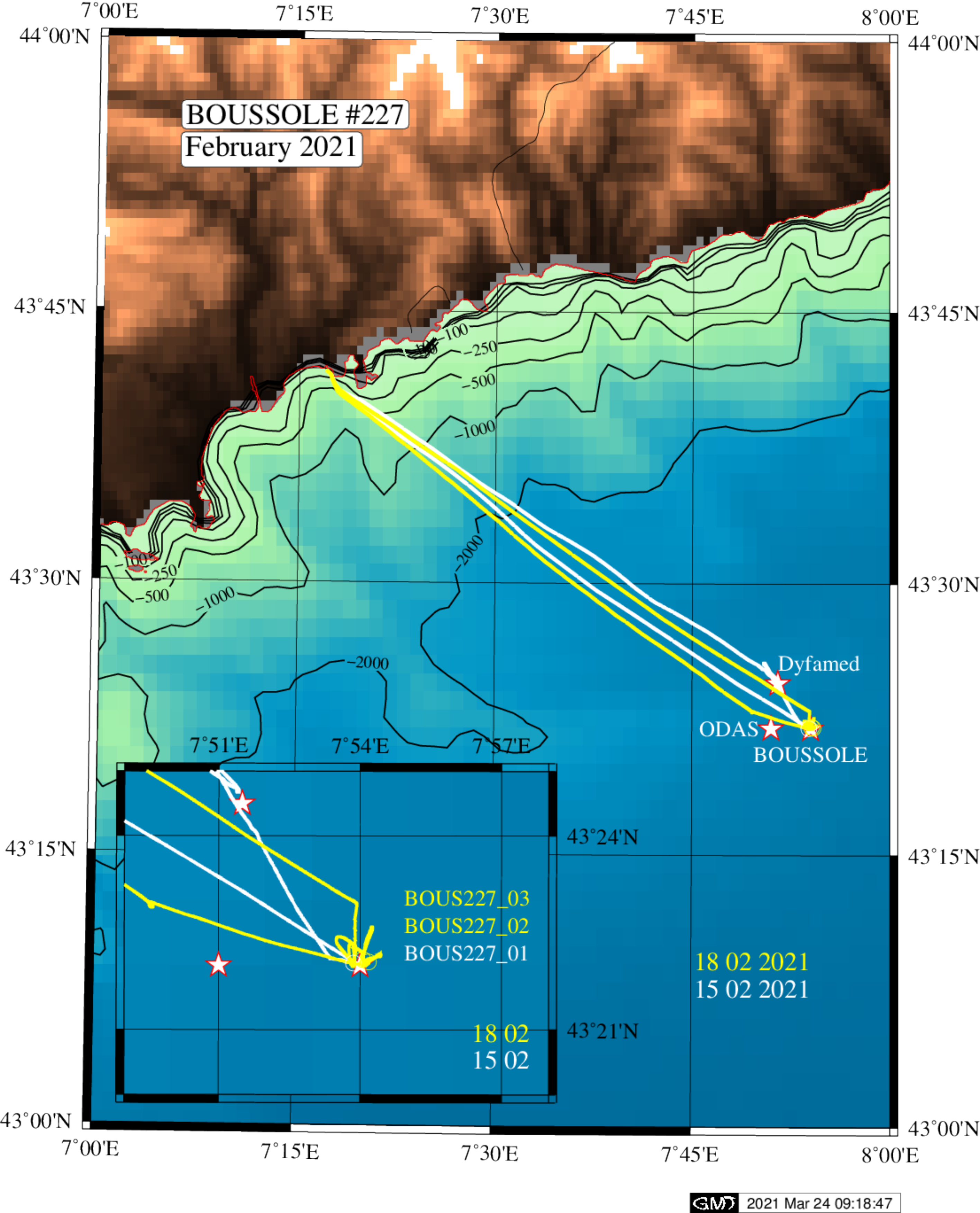
Serial number : 171
Calibrated on : 12May2014
Sensor name : RINKOIII_Temp
A0 : -5.25367500
A1 : 16.66254000
A2 : -2.13105300
A3 : 0.45564880

12) A/D voltage 6, Altimeter

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

13) A/D voltage 7, Free

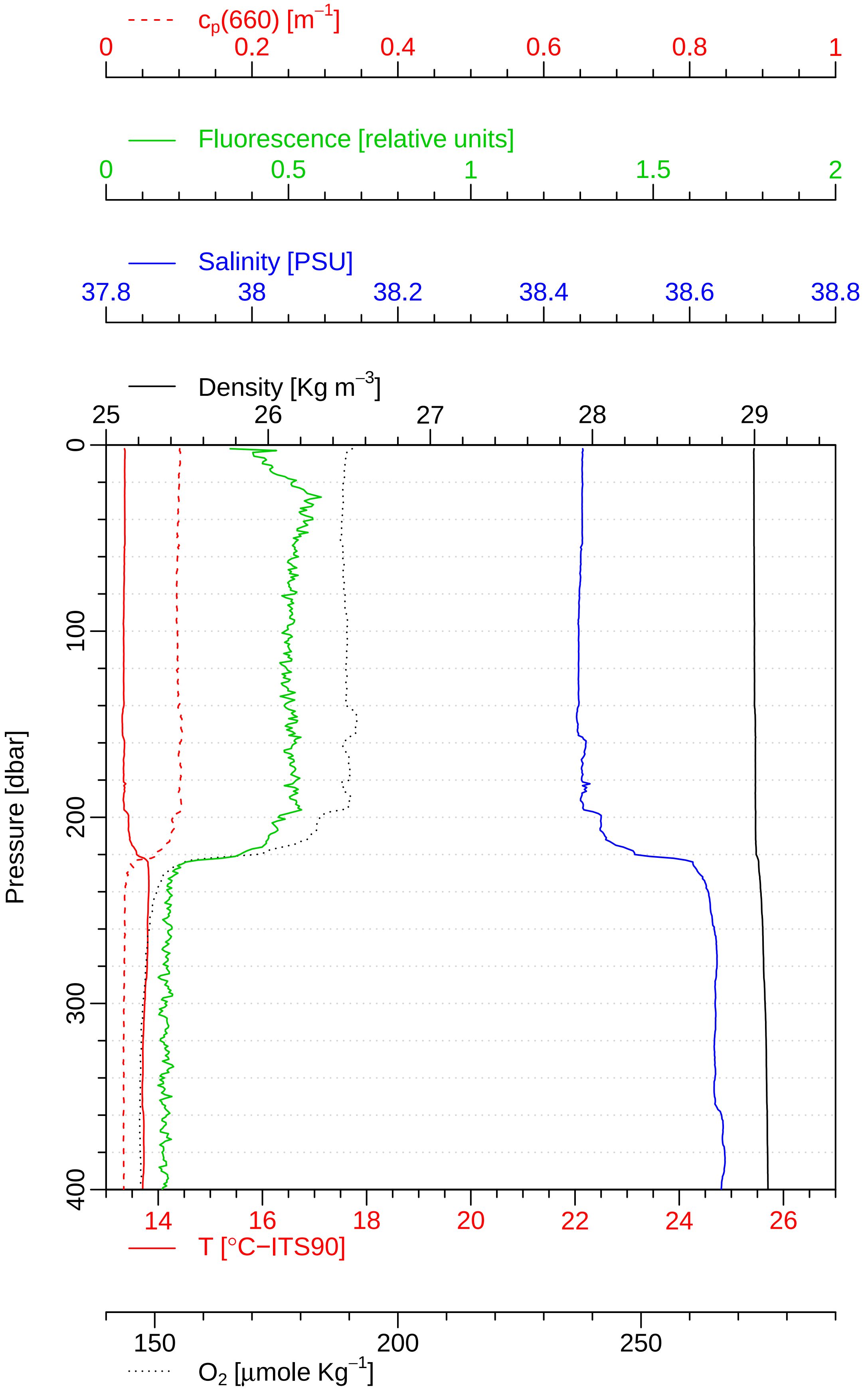
Scan length : 30

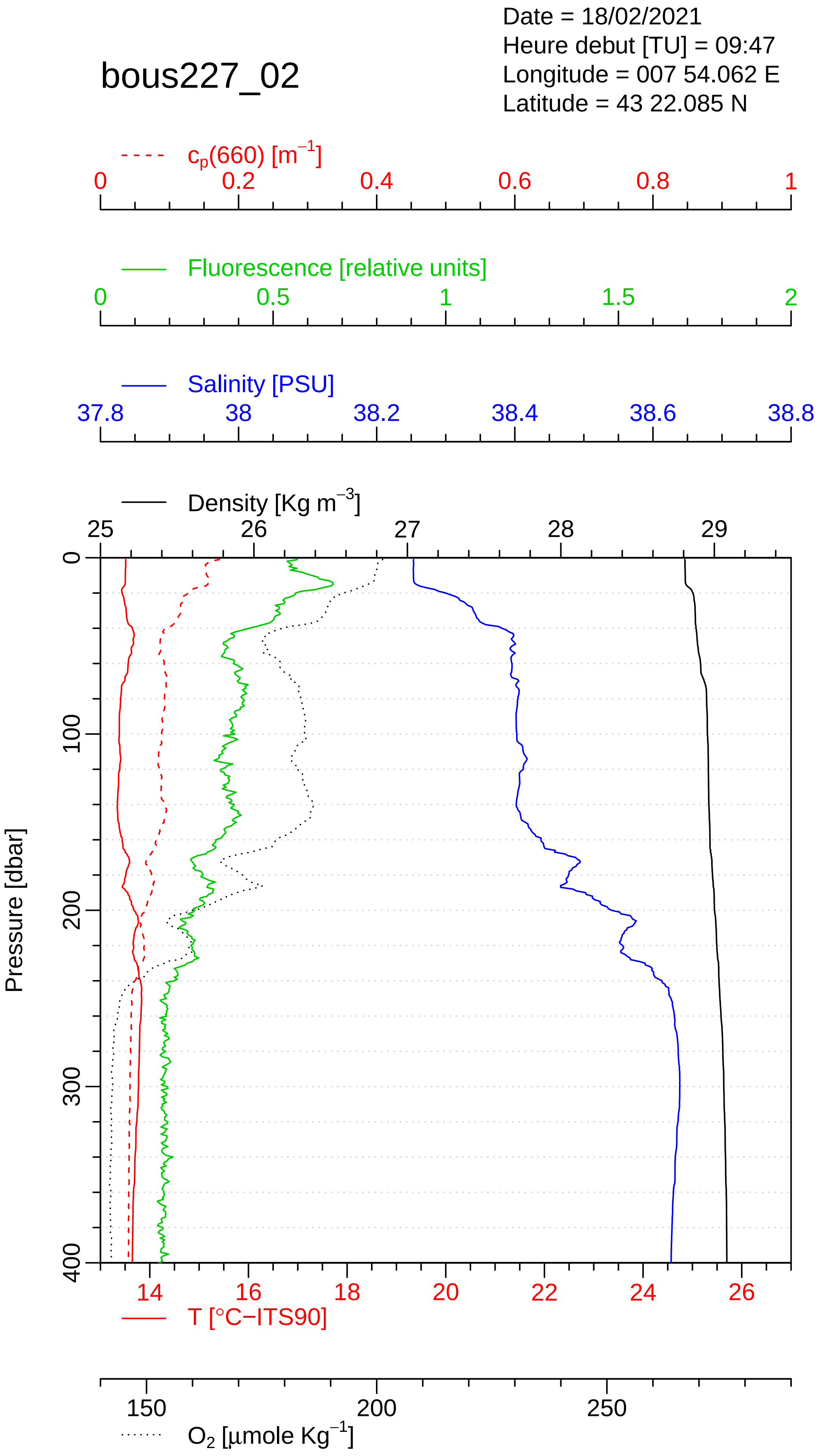


BOUSSOLE #227
February 2021
7°00'E
7°15'E
7°30'E
7°45'E
8°00'E
44°00'N
43°45'N
43°30'N
43°15'N
43°00'N
-100
-250
-500
-1000
-2000
Dyfamed
ODAS
BOUSSOLE
7°51'E
7°54'E
7°57'E
43°24'N
43°21'N
BOUS227_03
BOUS227_02
BOUS227_01
18 02 2021
15 02 2021
18 02
15 02
2021 Mar 24 09:18:47

bous227_01

Date = 15/02/2021
Heure debut [TU] = 09:50
Longitude = 007 53.860 E
Latitude = 43 22.034 N

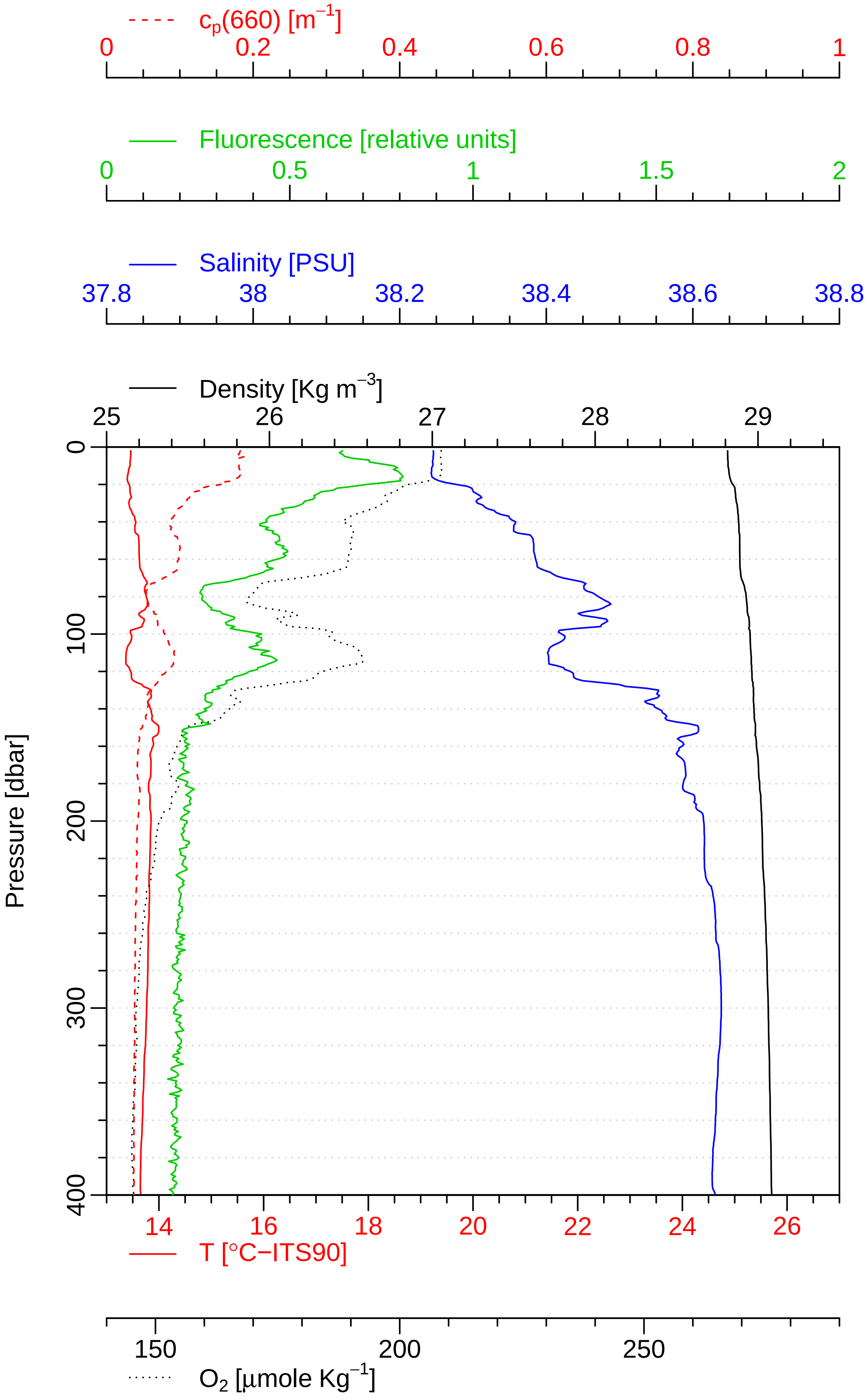




bous227_02
Date = 18/02/2021
Heure debut [TU] = 09:47
Longitude = 007 54.062 E
Latitude = 43 22.085 N
c_p(660) [m^-1]
0 0.2 0.4 0.6 0.8 1
Fluorescence [relative units]
0 0.5 1 1.5 2
Salinity [PSU]
37.8 38 38.2 38.4 38.6 38.8
Density [Kg m^-3]
25 26 27 28 29
Pressure [dbar]
0 100 200 300 400
14 16 18 20 22 24 26
T [°C−ITS90]
150 200 250
O2 [µmole Kg^-1]

bous227_03

Date = 18/02/2021
Heure debut [TU] = 12:08
Longitude = 007 54.181 E
Latitude = 43 22.051 N



Date: 01/24/2022

Instrument configuration file: D:\Melek\boussole\Data\CTD\data&process\2021\B227\raw\BOUS227_01.XMLCON

Configuration report for SBE 911plus/917plus CTD

Frequency channels suppressed : 0
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 : 04-Mar-20
G : 4.36726120e-003
H : 6.43151581e-004
I : 2.33812060e-005
J : 2.23255667e-006
F0 : 1000.000
Slope : 1.00000000
Offset : 0.0000

2) Frequency 1, Conductivity

Serial number : 2929
Calibrated on : 05-Mar-20
G : -1.05951733e+001
H : 1.41908901e+000
I : 7.59510042e-004
J : 2.04144674e-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 : -2.27039

AD590M : 1.280100e-002
AD590B : -9.240166e+000

4) Frequency 3, Temperature, 2

Serial number : 5545
Calibrated on : 11-Jul-18
G : 4.31331688e-003
H : 6.26102919e-004
I : 1.91674175e-005
J : 1.39951663e-006
F0 : 1000.000
Slope : 1.00000000
Offset : 0.0000

5) Frequency 4, Conductivity, 2

Serial number : 4097
Calibrated on : 29-Oct-19
G : -9.94156304e+000
H : 1.22604249e+000
I : -2.34562610e-003
J : 2.23476473e-004
CTcor : 3.2500e-006
CPcor : -9.57000000e-008
Slope : 1.00000000
Offset : 0.00000

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

Serial number : 0587
Calibrated on : 22-May-19
Equation : Sea-Bird
Soc : 3.68480e-001
Offset : -6.77900e-001
A : -4.19030e-003
B : 1.84280e-004
C : -3.04220e-006
E : 3.60000e-002
Tau20 : 1.11000e+000
D1 : 1.92634e-004
D2 : -4.64803e-002
H1 : -3.30000e-002
H2 : 5.00000e+003
H3 : 1.45000e+003

7) A/D voltage 1, Free

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

Serial number : 088-193
Calibrated on : 11-jul-2019
VB : 0.406700
V1 : 1.761800
Vacetone : 0.683330
Scale factor : 1.000000
Slope : 1.000000
Offset : -0.260000

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

Serial number : CST-887DR
Calibrated on : oct2019
M : 21.0776
B : -0.2951
Path length : 0.250

10) A/D voltage 4, User Polynomial

Serial number : 171
Calibrated on : 19May2014
Sensor name : RINKOIII_DO
A0 : 0.00000000
A1 : 1.00000000
A2 : 0.00000000
A3 : 0.00000000

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

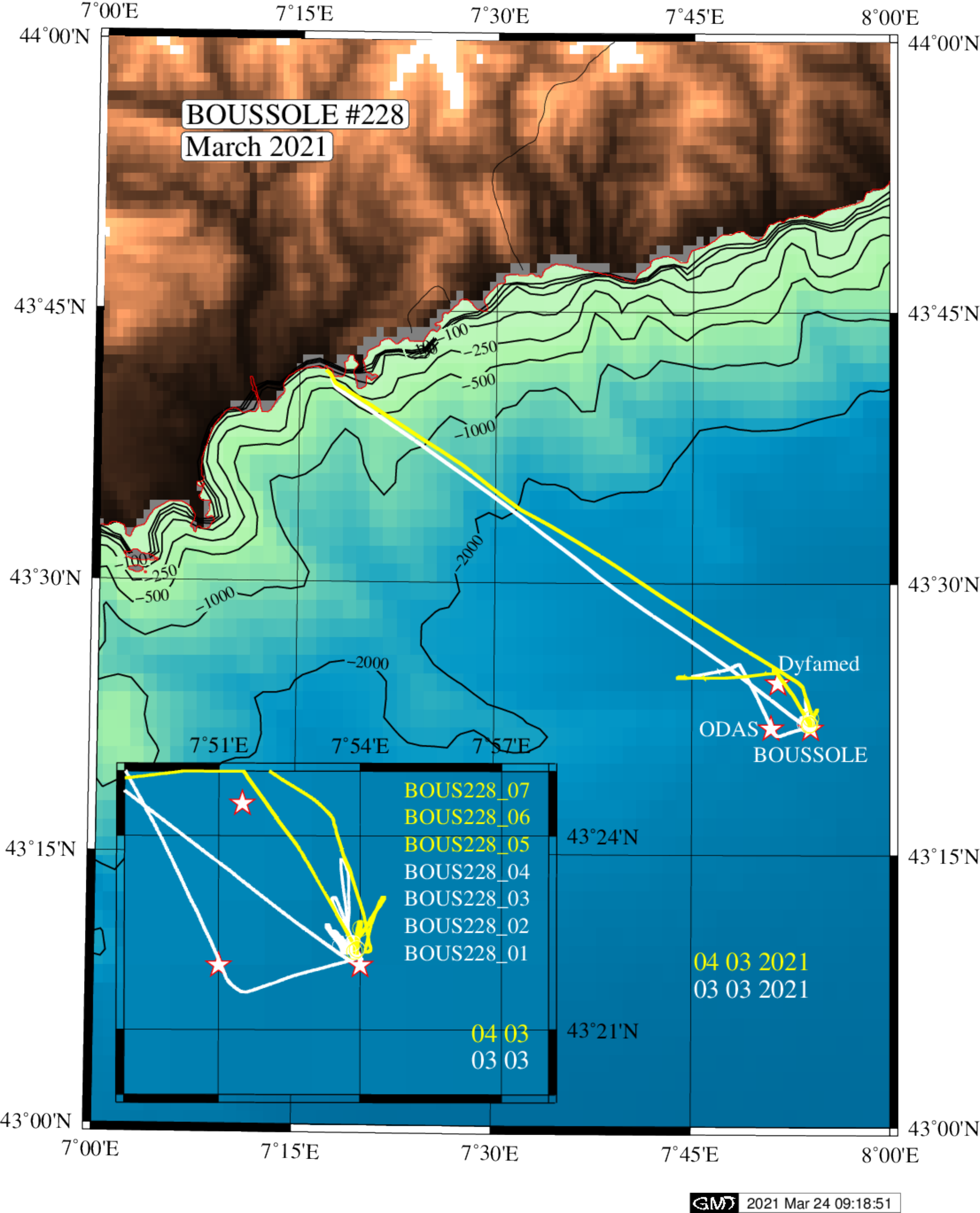
Serial number : 171
Calibrated on : 12May2014
Sensor name : RINKOIII_Temp
A0 : -5.25367500
A1 : 16.66254000
A2 : -2.13105300
A3 : 0.45564880

12) A/D voltage 6, Altimeter

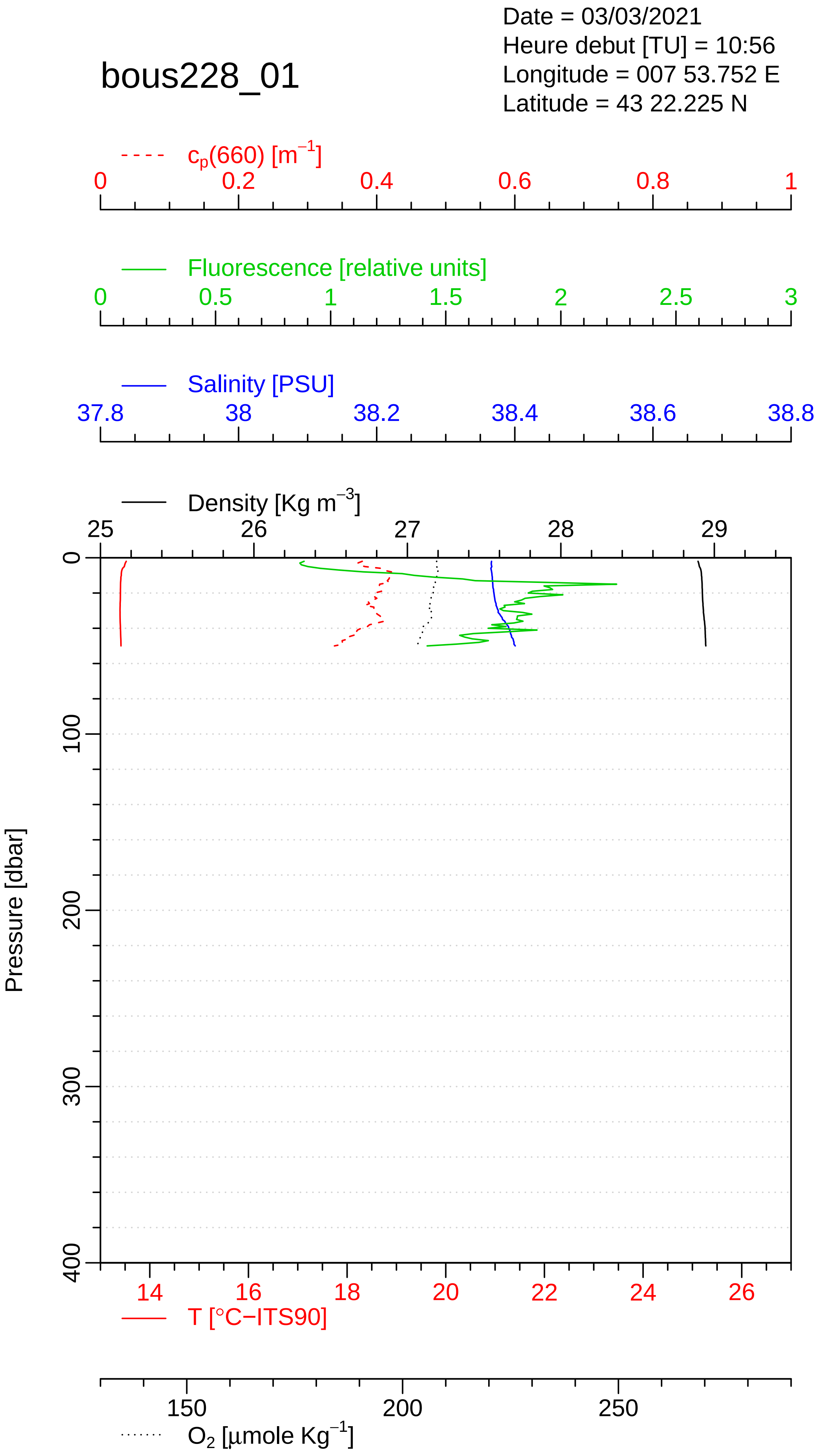
Serial number : 310799
Calibrated on : 19-Oct-16
Scale factor : 15.000
Offset : 0.000

13) A/D voltage 7, Free

Scan length : 37



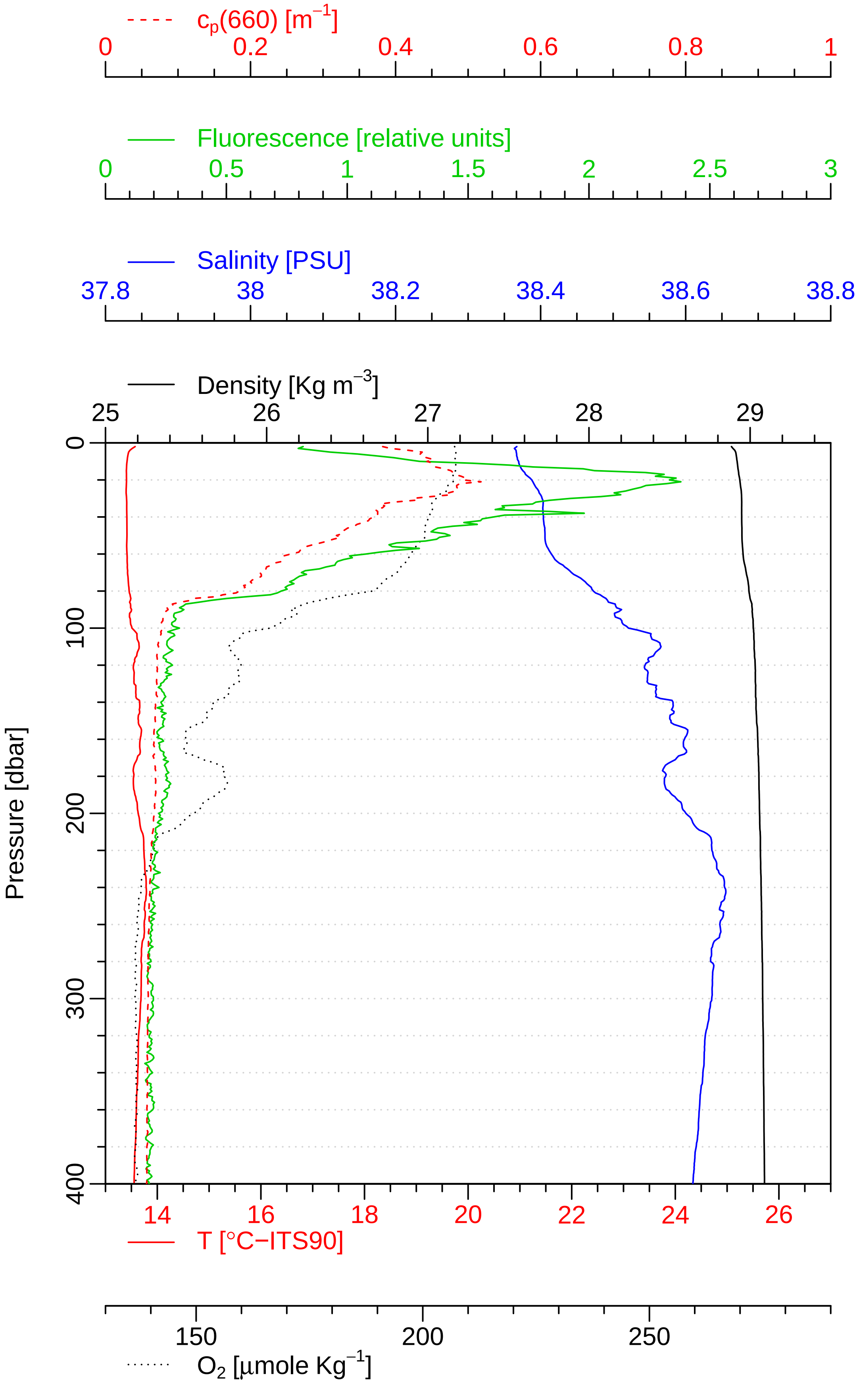
BOUSSOLE #228
March 2021
7°00'E
7°15'E
7°30'E
7°45'E
8°00'E
44°00'N
43°45'N
43°30'N
43°15'N
43°00'N
−100
−250
−500
−1000
−2000
Dyfamed
ODAS
BOUSSOLE
7°51'E
7°54'E
7°57'E
43°24'N
43°21'N
BOUS228_07
BOUS228_06
BOUS228_05
BOUS228_04
BOUS228_03
BOUS228_02
BOUS228_01
04 03 2021
03 03 2021
04 03
03 03
GMT 2021 Mar 24 09:18:51



bous228_01
Date = 03/03/2021
Heure debut [TU] = 10:56
Longitude = 007 53.752 E
Latitude = 43 22.225 N
c_p(660) [m^-1]
0 0.2 0.4 0.6 0.8 1
Fluorescence [relative units]
0 0.5 1 1.5 2 2.5 3
Salinity [PSU]
37.8 38 38.2 38.4 38.6 38.8
Density [Kg m^-3]
25 26 27 28 29
Pressure [dbar]
0 100 200 300 400
14 16 18 20 22 24 26
T [°C−ITS90]
150 200 250
O2 [µmole Kg^-1]

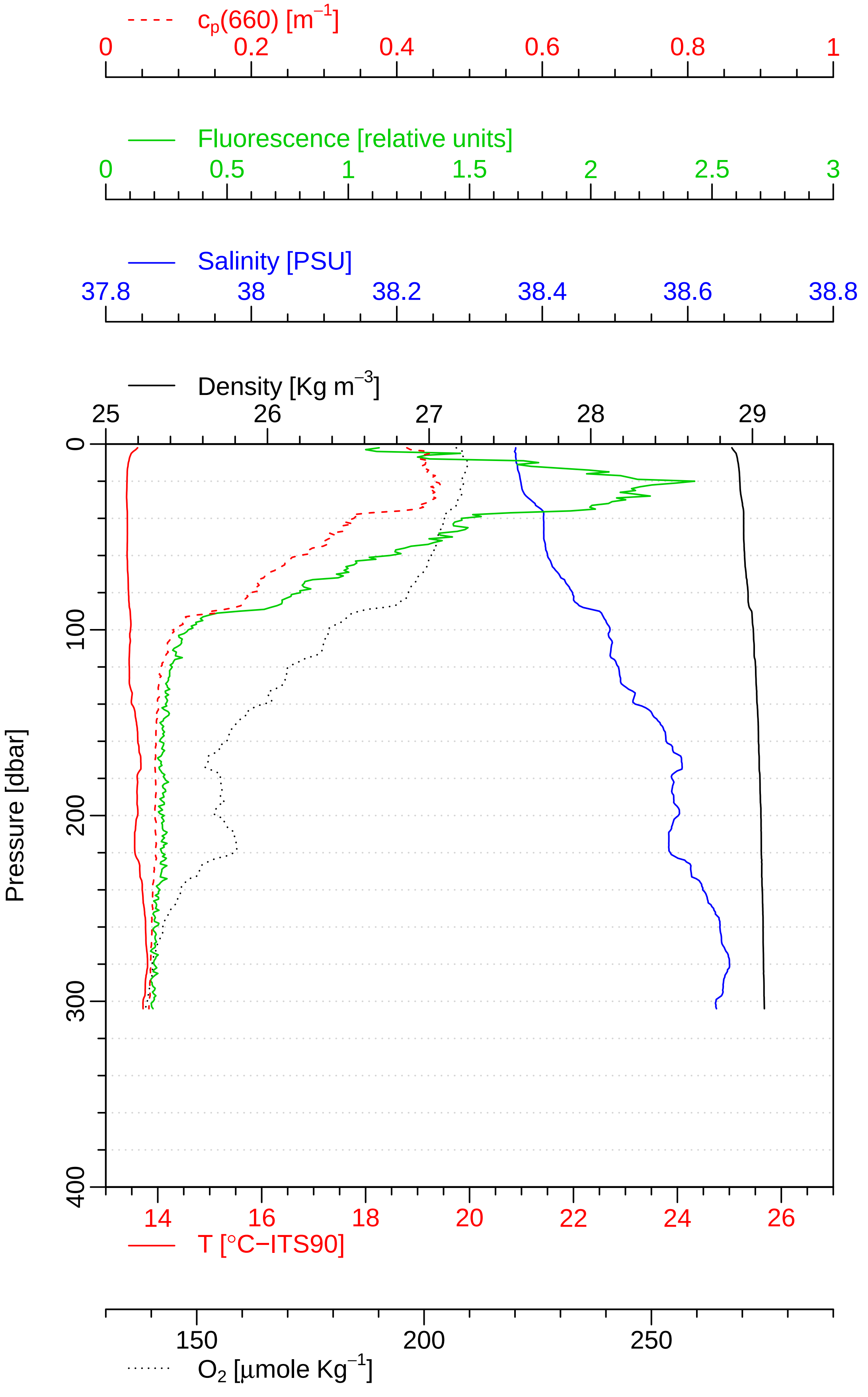
bous228_02

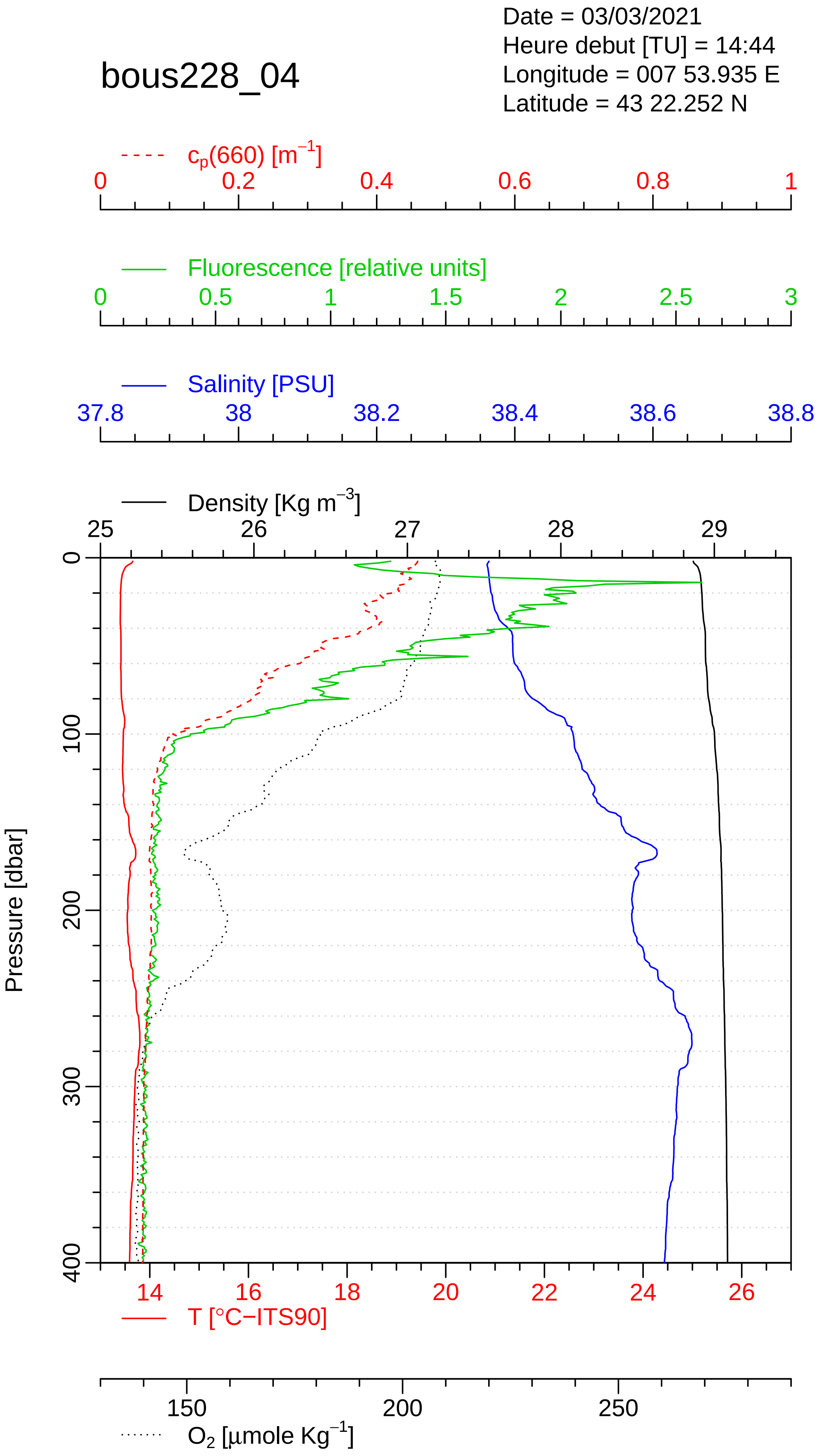
Date = 03/03/2021
Heure debut [TU] = 11:41
Longitude = 007 53.581 E
Latitude = 43 22.294 N



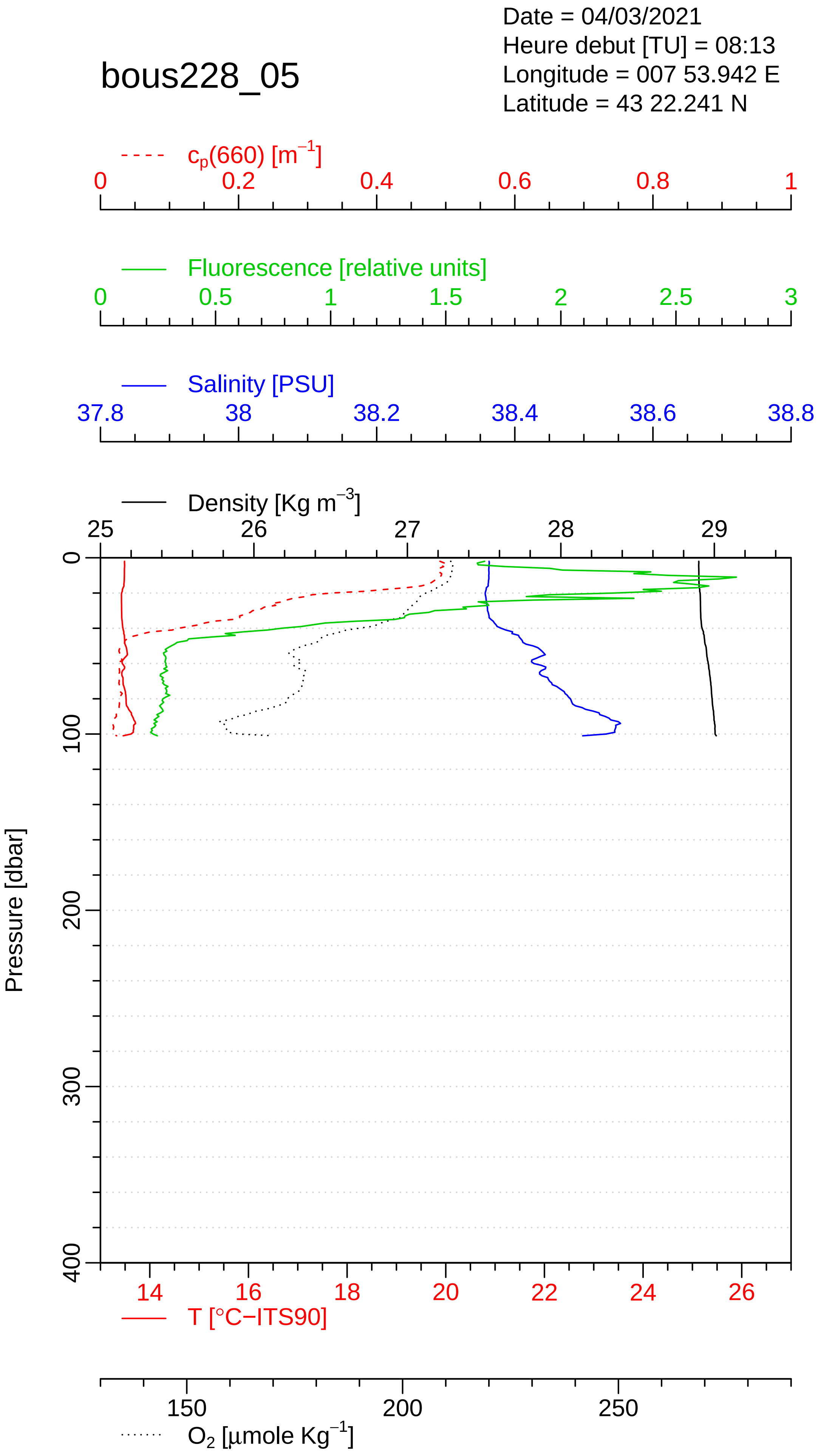
bous228_03

Date = 03/03/2021
Heure debut [TU] = 13:34
Longitude = 007 53.849 E
Latitude = 43 22.340 N



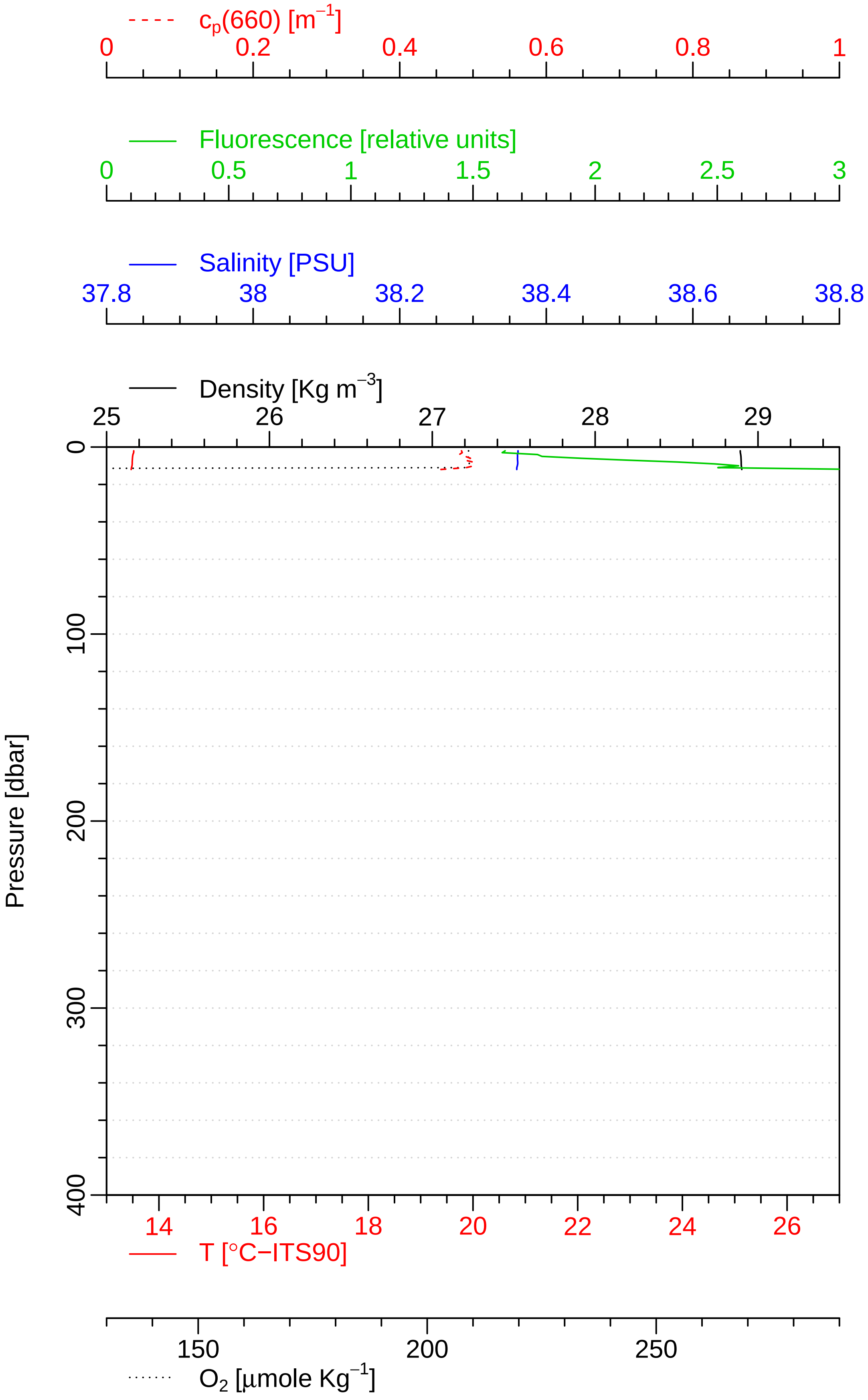


bous228_04
Date = 03/03/2021
Heure debut [TU] = 14:44
Longitude = 007 53.935 E
Latitude = 43 22.252 N
$c_p(660)$ [m^{-1}]
0 0.2 0.4 0.6 0.8 1
Fluorescence [relative units]
0 0.5 1 1.5 2 2.5 3
Salinity [PSU]
37.8 38 38.2 38.4 38.6 38.8
Density [Kg m^{-3}]
25 26 27 28 29
0 100 200 300 400
Pressure [dbar]
14 16 18 20 22 24 26
T [°C−ITS90]
150 200 250
O_2 [µmole Kg^{-1}]


bous228_05
Date = 04/03/2021
Heure debut [TU] = 08:13
Longitude = 007 53.942 E
Latitude = 43 22.241 N
c_p(660) [m^{-1}]
0 0.2 0.4 0.6 0.8 1
Fluorescence [relative units]
0 0.5 1 1.5 2 2.5 3
Salinity [PSU]
37.8 38 38.2 38.4 38.6 38.8
Density [Kg m^{-3}]
25 26 27 28 29
Pressure [dbar]
0 100 200 300 400
14 16 18 20 22 24 26
T [°C−ITS90]
150 200 250
O_2 [µmole Kg^{-1}]

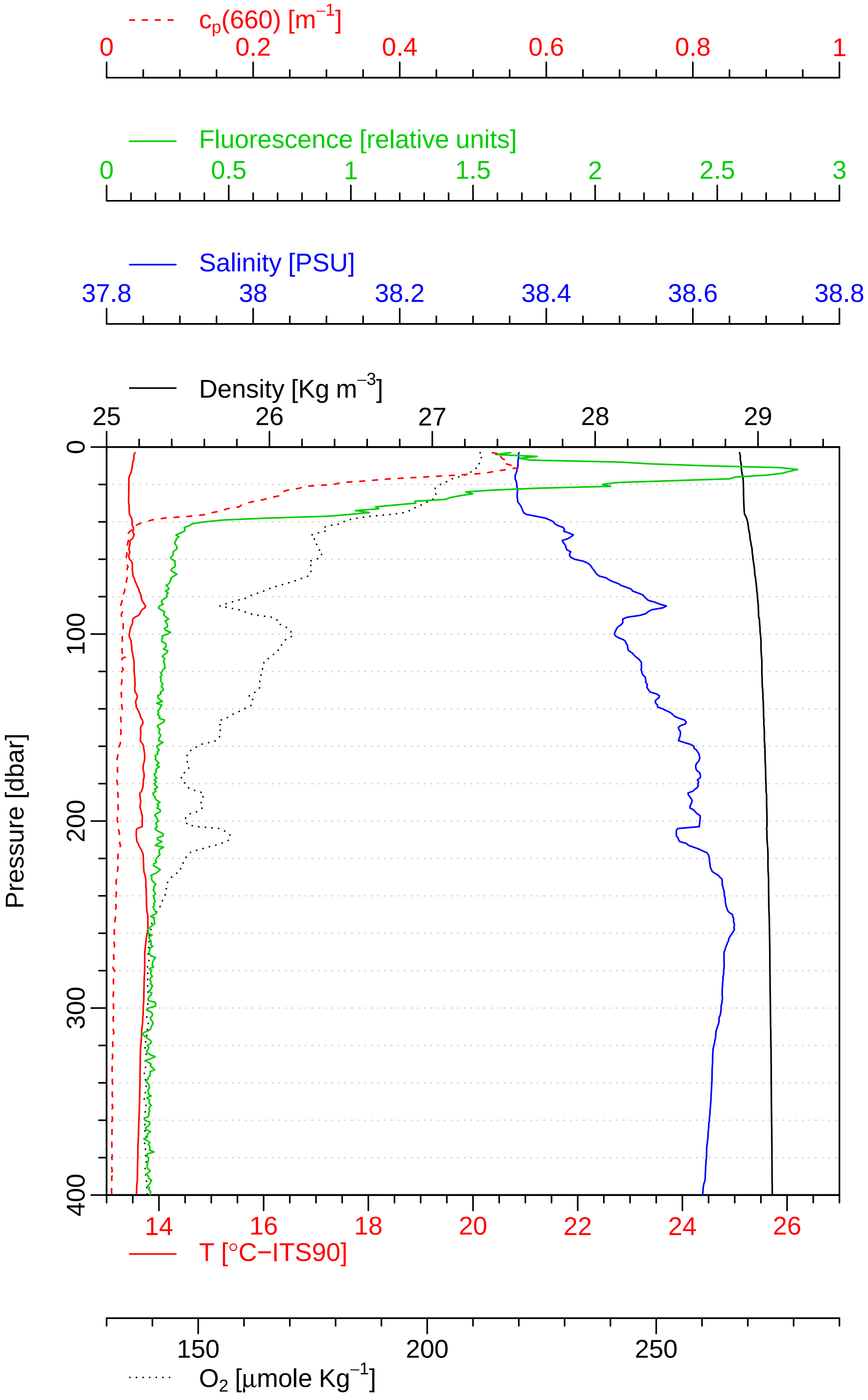
bous228_06

Date = 04/03/2021
Heure debut [TU] = 08:58
Longitude = 007 54.010 E
Latitude = 43 22.566 N



bous228_07

Date = 04/03/2021
Heure debut [TU] = 09:23
Longitude = 007 53.821 E
Latitude = 43 22.212 N



Date: 01/24/2022

Instrument configuration file: D:\Melek\boussole\Data\CTD\data&process\2021\B228\raw\BOUS228_01.XMLCON

Configuration report for SBE 911plus/917plus CTD

Frequency channels suppressed : 0
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 : 04-Mar-20
G : 4.36726120e-003
H : 6.43151581e-004
I : 2.33812060e-005
J : 2.23255667e-006
F0 : 1000.000
Slope : 1.00000000
Offset : 0.0000

2) Frequency 1, Conductivity

Serial number : 2929
Calibrated on : 05-Mar-20
G : -1.05951733e+001
H : 1.41908901e+000
I : 7.59510042e-004
J : 2.04144674e-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 : -2.27039

AD590M : 1.280100e-002
AD590B : -9.240166e+000

4) Frequency 3, Temperature, 2

Serial number : 5545
Calibrated on : 11-Jul-18
G : 4.31331688e-003
H : 6.26102919e-004
I : 1.91674175e-005
J : 1.39951663e-006
F0 : 1000.000
Slope : 1.00000000
Offset : 0.0000

5) Frequency 4, Conductivity, 2

Serial number : 4097
Calibrated on : 29-Oct-19
G : -9.94156304e+000
H : 1.22604249e+000
I : -2.34562610e-003
J : 2.23476473e-004
CTcor : 3.2500e-006
CPcor : -9.57000000e-008
Slope : 1.00000000
Offset : 0.00000

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

Serial number : 0587
Calibrated on : 22-May-19
Equation : Sea-Bird
Soc : 3.68480e-001
Offset : -6.77900e-001
A : -4.19030e-003
B : 1.84280e-004
C : -3.04220e-006
E : 3.60000e-002
Tau20 : 1.11000e+000
D1 : 1.92634e-004
D2 : -4.64803e-002
H1 : -3.30000e-002
H2 : 5.00000e+003
H3 : 1.45000e+003

7) A/D voltage 1, Free

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

Serial number : 088-193
Calibrated on : 11-jul-2019
VB : 0.406700
V1 : 1.761800
Vacetone : 0.683330
Scale factor : 1.000000
Slope : 1.000000
Offset : -0.260000

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

Serial number : CST-887DR
Calibrated on : oct2019
M : 21.0776
B : -0.2951
Path length : 0.250

10) A/D voltage 4, User Polynomial

Serial number : 171
Calibrated on : 19May2014
Sensor name : RINKOIII_DO
A0 : 0.00000000
A1 : 1.00000000
A2 : 0.00000000
A3 : 0.00000000

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

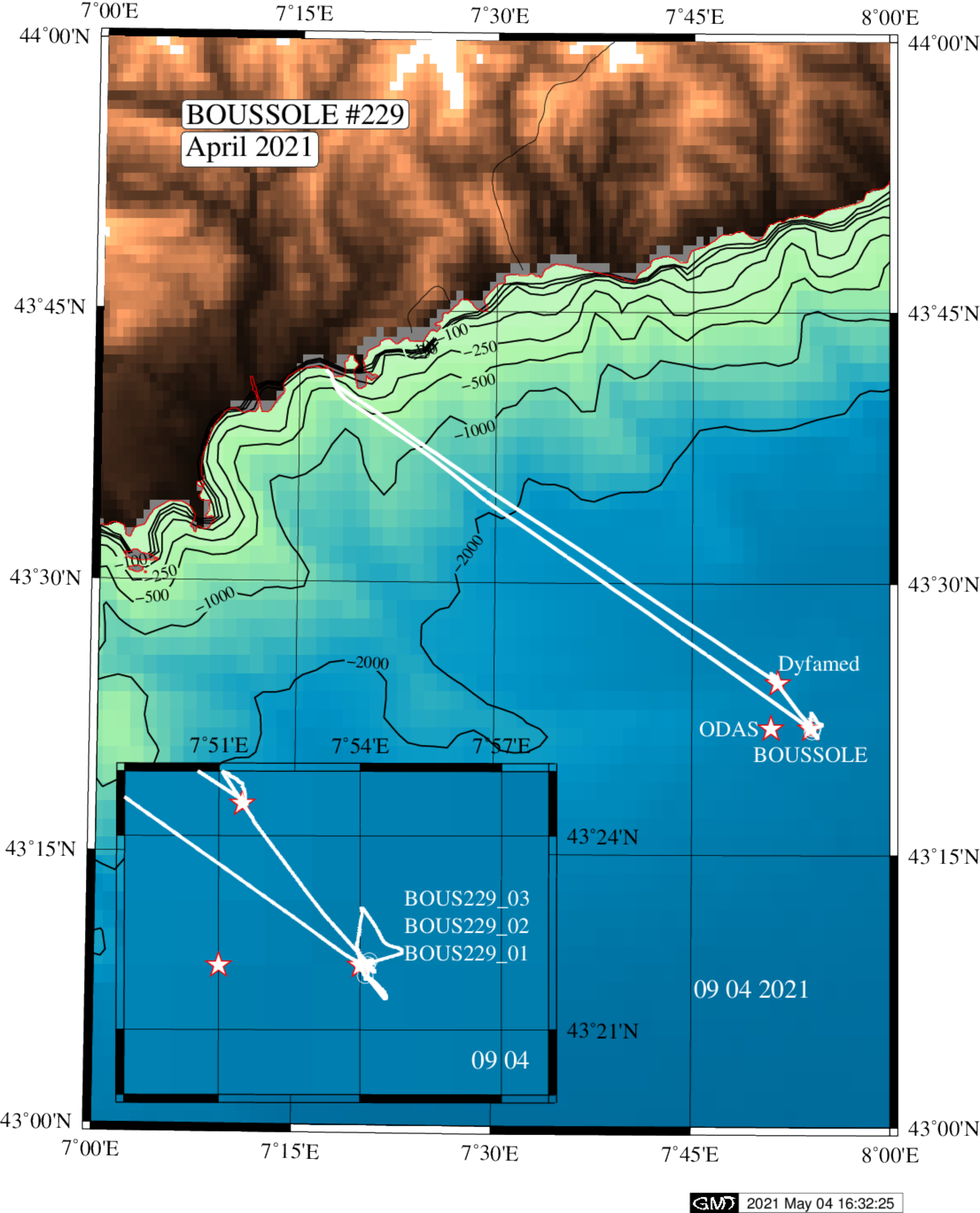
Serial number : 171
Calibrated on : 12May2014
Sensor name : RINKOIII_Temp
A0 : -5.25367500
A1 : 16.66254000
A2 : -2.13105300
A3 : 0.45564880

12) A/D voltage 6, Altimeter

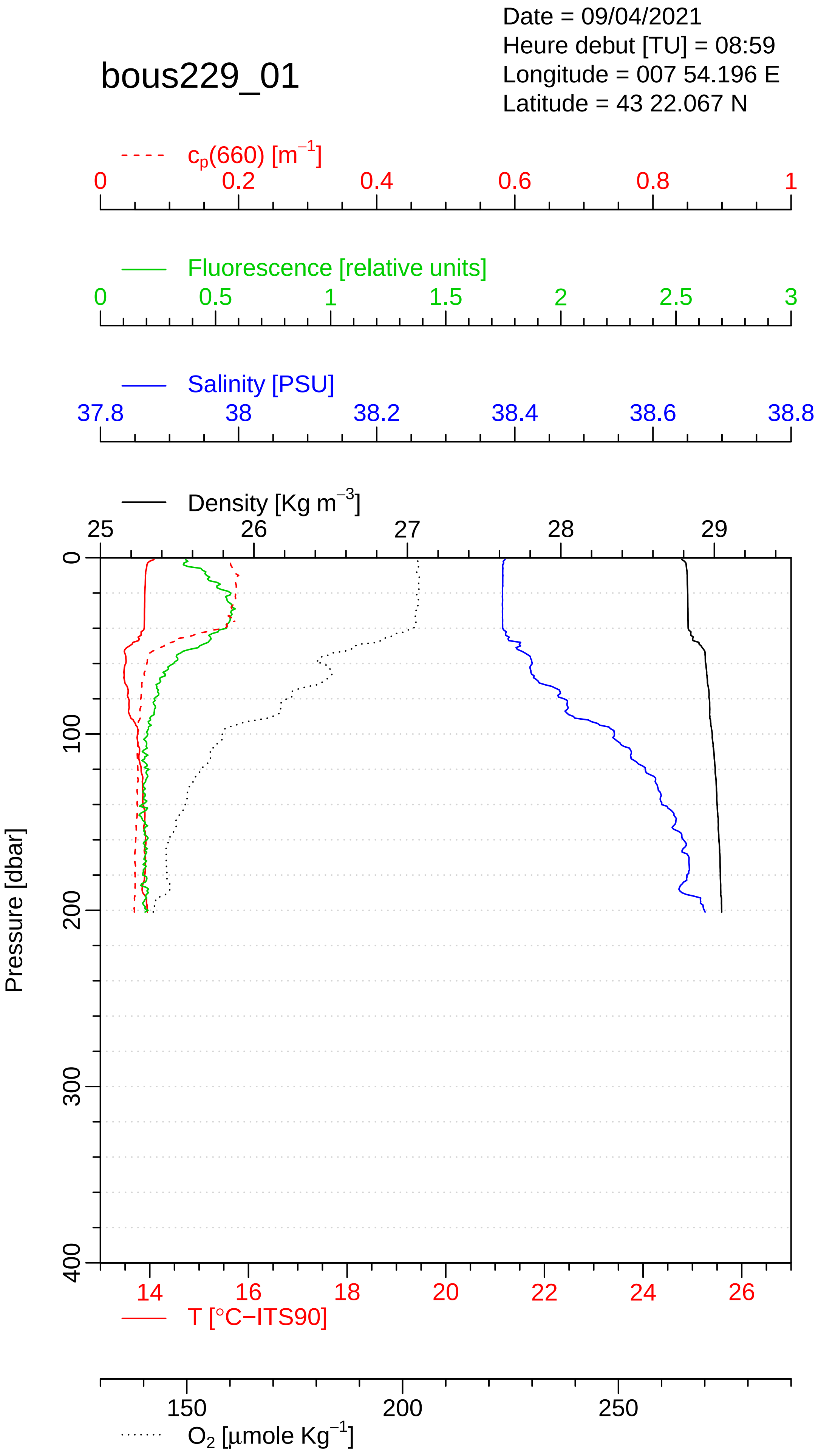
Serial number : 310799
Calibrated on : 19-Oct-16
Scale factor : 15.000
Offset : 0.000

13) A/D voltage 7, Free

Scan length : 37

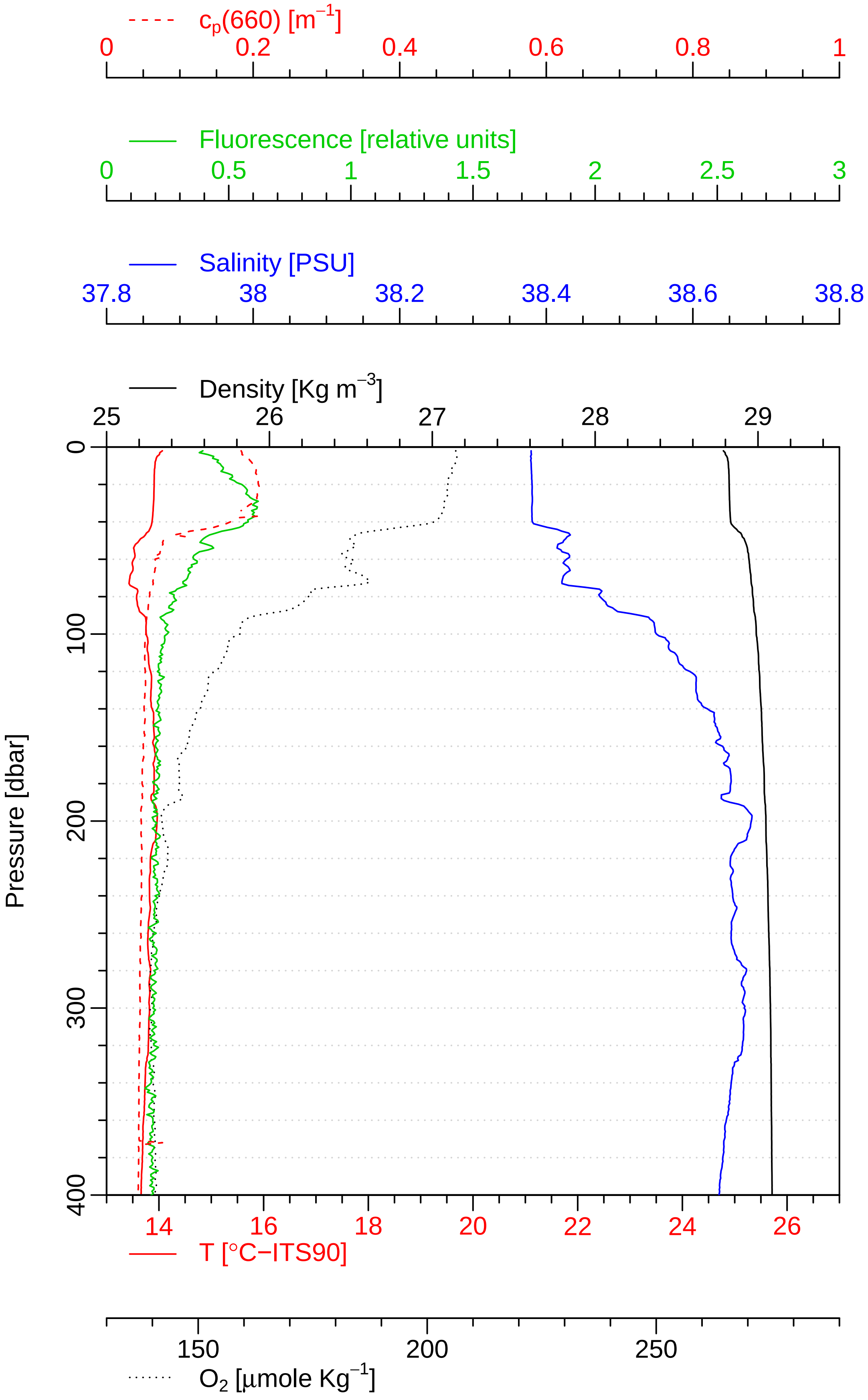


BOUSSOLE #229
April 2021
7°00'E
7°15'E
7°30'E
7°45'E
8°00'E
44°00'N
43°45'N
43°30'N
43°15'N
43°00'N
−100
−250
−500
−1000
−2000
Dyfamed
ODAS
BOUSSOLE
7°51'E
7°54'E
7°57'E
43°24'N
43°21'N
BOUS229_03
BOUS229_02
BOUS229_01
09 04
09 04 2021
2021 May 04 16:32:25


bous229_01
Date = 09/04/2021
Heure debut [TU] = 08:59
Longitude = 007 54.196 E
Latitude = 43 22.067 N
$c_p(660)$ [m^{-1}]
0 0.2 0.4 0.6 0.8 1
Fluorescence [relative units]
0 0.5 1 1.5 2 2.5 3
Salinity [PSU]
37.8 38 38.2 38.4 38.6 38.8
Density [Kg m^{-3}]
25 26 27 28 29
Pressure [dbar]
0 100 200 300 400
14 16 18 20 22 24 26
T [°C−ITS90]
150 200 250
O_2 [μmole Kg^{-1}]

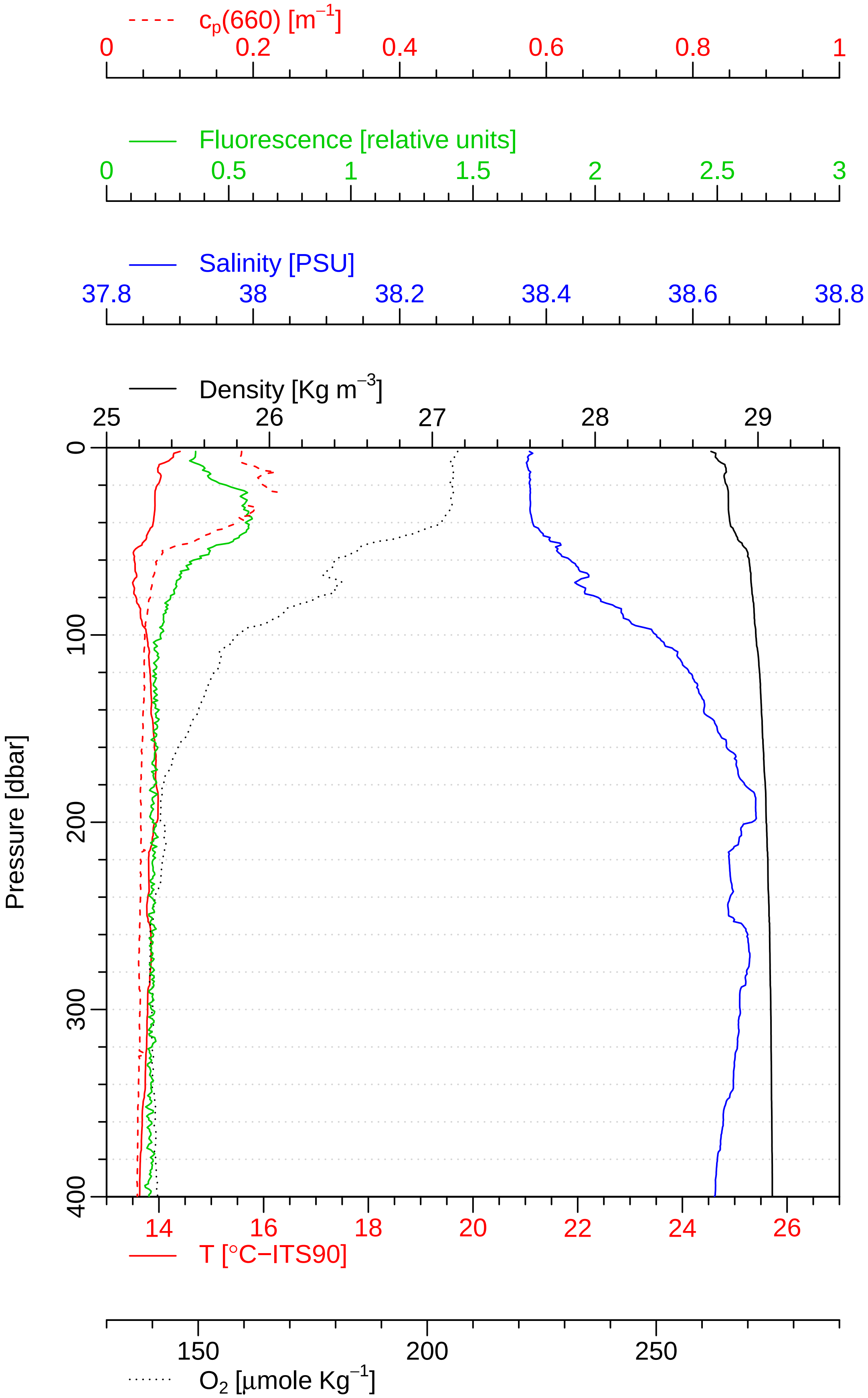
bous229_02

Date = 09/04/2021
Heure debut [TU] = 10:21
Longitude = 007 54.109 E
Latitude = 43 21.842 N



bous229_03

Date = 09/04/2021
Heure debut [TU] = 13:29
Longitude = 007 54.154 E
Latitude = 43 22.009 N



Date: 01/24/2022

Instrument configuration file: D:\Melek\boussole\Data\CTD\data&process\2021\B229\raw\BOUS229_01.XMLCON

Configuration report for SBE 911plus/917plus CTD

Frequency channels suppressed : 0
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 : 04-Mar-20
G : 4.36726120e-003
H : 6.43151581e-004
I : 2.33812060e-005
J : 2.23255667e-006
F0 : 1000.000
Slope : 1.00000000
Offset : 0.0000

2) Frequency 1, Conductivity

Serial number : 2929
Calibrated on : 05-Mar-20
G : -1.05951733e+001
H : 1.41908901e+000
I : 7.59510042e-004
J : 2.04144674e-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 : -2.27039

AD590M : 1.280100e-002
AD590B : -9.240166e+000

4) Frequency 3, Temperature, 2

Serial number : 5545
Calibrated on : 11-Jul-18
G : 4.31331688e-003
H : 6.26102919e-004
I : 1.91674175e-005
J : 1.39951663e-006
F0 : 1000.000
Slope : 1.00000000
Offset : 0.0000

5) Frequency 4, Conductivity, 2

Serial number : 4097
Calibrated on : 29-Oct-19
G : -9.94156304e+000
H : 1.22604249e+000
I : -2.34562610e-003
J : 2.23476473e-004
CTcor : 3.2500e-006
CPcor : -9.57000000e-008
Slope : 1.00000000
Offset : 0.00000

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

Serial number : 0587
Calibrated on : 22-May-19
Equation : Sea-Bird
Soc : 3.68480e-001
Offset : -6.77900e-001
A : -4.19030e-003
B : 1.84280e-004
C : -3.04220e-006
E : 3.60000e-002
Tau20 : 1.11000e+000
D1 : 1.92634e-004
D2 : -4.64803e-002
H1 : -3.30000e-002
H2 : 5.00000e+003
H3 : 1.45000e+003

7) A/D voltage 1, Free

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

Serial number : 088-193
Calibrated on : 11-jul-2019
VB : 0.406700
V1 : 1.761800
Vacetone : 0.683330
Scale factor : 1.000000
Slope : 1.000000
Offset : -0.260000

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

Serial number : CST-887DR
Calibrated on : oct2019
M : 21.0776
B : -0.2951
Path length : 0.250

10) A/D voltage 4, User Polynomial

Serial number : 171
Calibrated on : 19May2014
Sensor name : RINKOIII_DO
A0 : 0.00000000
A1 : 1.00000000
A2 : 0.00000000
A3 : 0.00000000

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

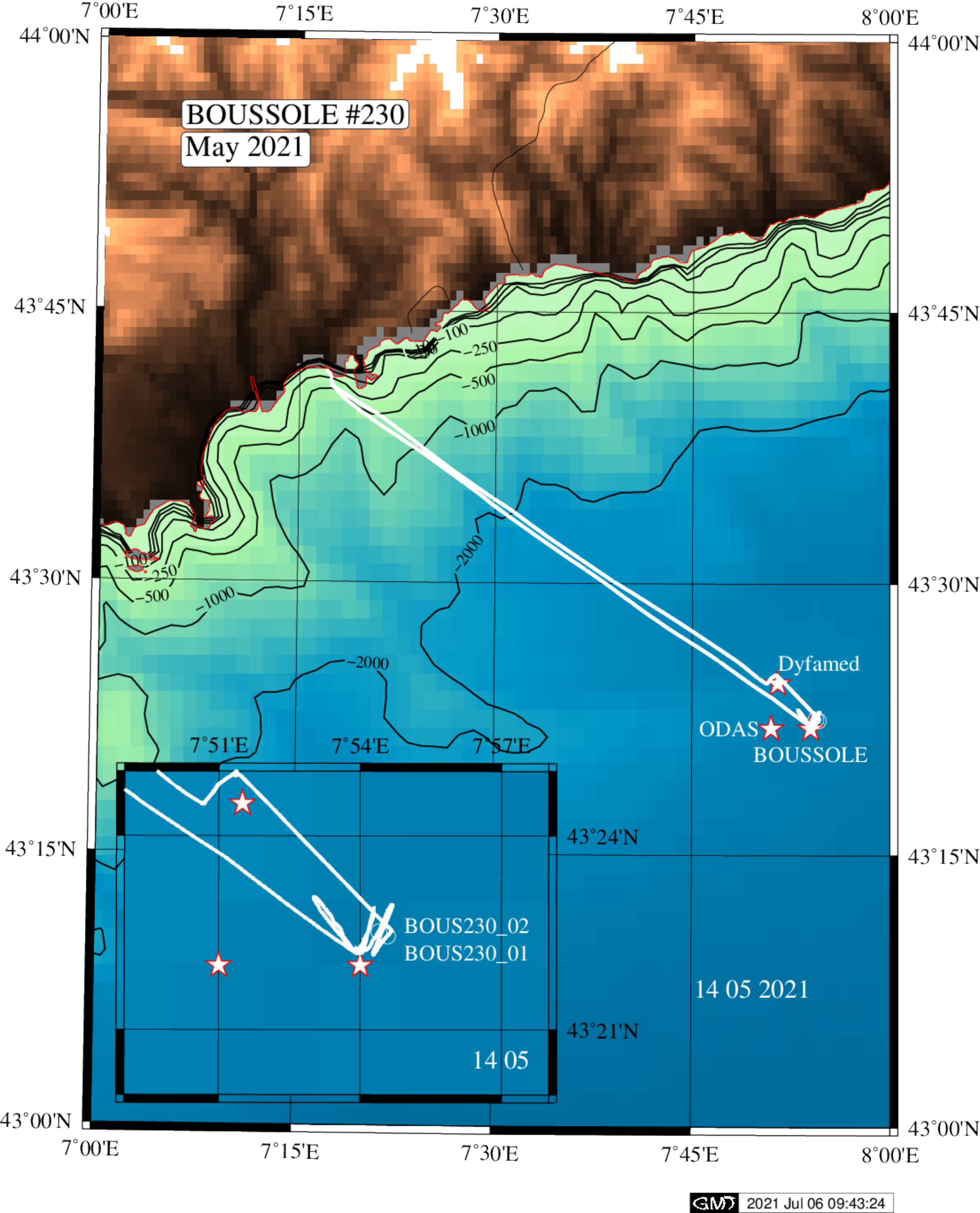
Serial number : 171
Calibrated on : 12May2014
Sensor name : RINKOIII_Temp
A0 : -5.25367500
A1 : 16.66254000
A2 : -2.13105300
A3 : 0.45564880

12) A/D voltage 6, Altimeter

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

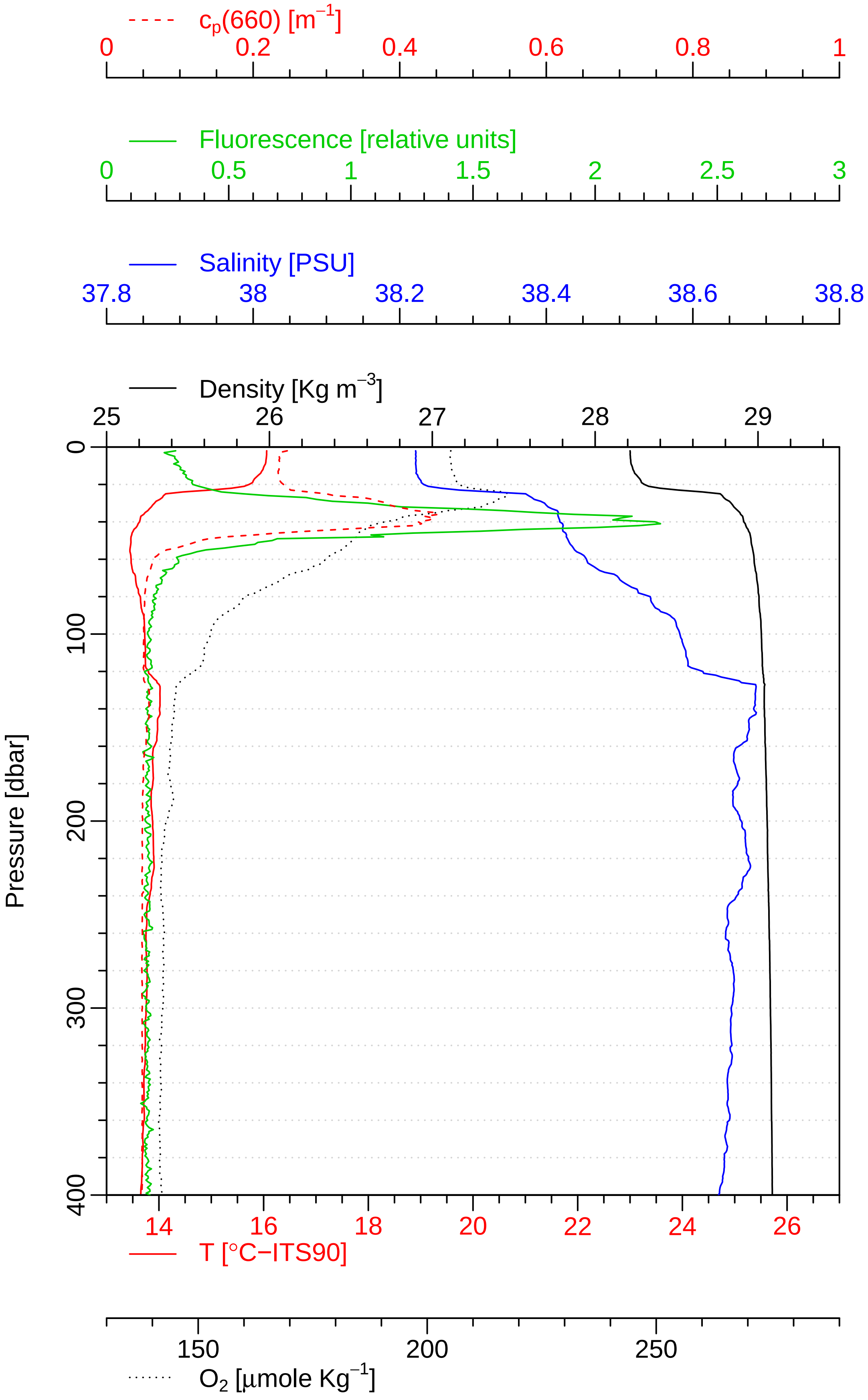
13) A/D voltage 7, Free

Scan length : 37


BOUSSOLE #230
May 2021
7°00'E
7°15'E
7°30'E
7°45'E
8°00'E
44°00'N
43°45'N
43°30'N
43°15'N
43°00'N
−100
−250
−500
−1000
−2000
Dyfamed
ODAS
BOUSSOLE
7°51'E
7°54'E
7°57'E
43°24'N
43°21'N
BOUS230_02
BOUS230_01
14 05
14 05 2021
2021 Jul 06 09:43:24

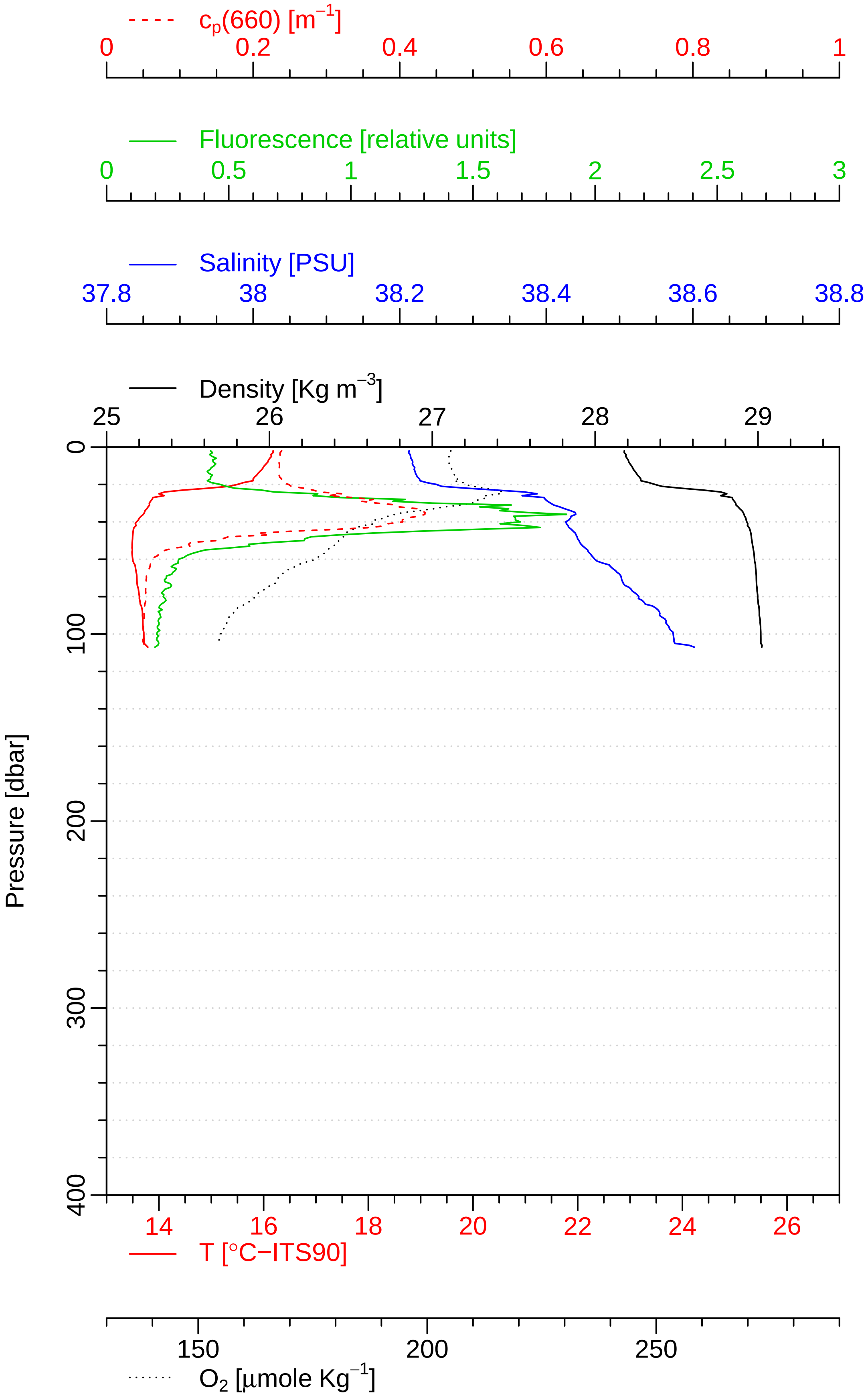
bous230_01

Date = 14/05/2021
Heure debut [TU] = 16:02
Longitude = 007 54.397 E
Latitude = 43 22.520 N



bous230_02

Date = 14/05/2021
Heure debut [TU] = 17:26
Longitude = 007 54.582 E
Latitude = 43 22.453 N



Date: 01/24/2022

Instrument configuration file: D:\Melek\boussole\Data\CTD\data&process\2021\B230\raw\BOUS230_01.XMLCON

Configuration report for SBE 911plus/917plus CTD

Frequency channels suppressed : 0
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 : 04-Mar-20
G : 4.36726120e-003
H : 6.43151581e-004
I : 2.33812060e-005
J : 2.23255667e-006
F0 : 1000.000
Slope : 1.00000000
Offset : 0.0000

2) Frequency 1, Conductivity

Serial number : 2929
Calibrated on : 05-Mar-20
G : -1.05951733e+001
H : 1.41908901e+000
I : 7.59510042e-004
J : 2.04144674e-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 : -2.27039

AD590M : 1.280100e-002
AD590B : -9.240166e+000

4) Frequency 3, Temperature, 2

Serial number : 5545
Calibrated on : 11-Jul-18
G : 4.31331688e-003
H : 6.26102919e-004
I : 1.91674175e-005
J : 1.39951663e-006
F0 : 1000.000
Slope : 1.00000000
Offset : 0.0000

5) Frequency 4, Conductivity, 2

Serial number : 4097
Calibrated on : 29-Oct-19
G : -9.94156304e+000
H : 1.22604249e+000
I : -2.34562610e-003
J : 2.23476473e-004
CTcor : 3.2500e-006
CPcor : -9.57000000e-008
Slope : 1.00000000
Offset : 0.00000

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

Serial number : 0587
Calibrated on : 22-May-19
Equation : Sea-Bird
Soc : 3.68480e-001
Offset : -6.77900e-001
A : -4.19030e-003
B : 1.84280e-004
C : -3.04220e-006
E : 3.60000e-002
Tau20 : 1.11000e+000
D1 : 1.92634e-004
D2 : -4.64803e-002
H1 : -3.30000e-002
H2 : 5.00000e+003
H3 : 1.45000e+003

7) A/D voltage 1, Free

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

Serial number : 088-193
Calibrated on : 11-jul-2019
VB : 0.406700
V1 : 1.761800
Vacetone : 0.683330
Scale factor : 1.000000
Slope : 1.000000
Offset : -0.260000

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

Serial number : CST-887DR
Calibrated on : oct2019
M : 21.0776
B : -0.2951
Path length : 0.250

10) A/D voltage 4, User Polynomial

Serial number : 171
Calibrated on : 19May2014
Sensor name : RINKOIII_DO
A0 : 0.00000000
A1 : 1.00000000
A2 : 0.00000000
A3 : 0.00000000

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

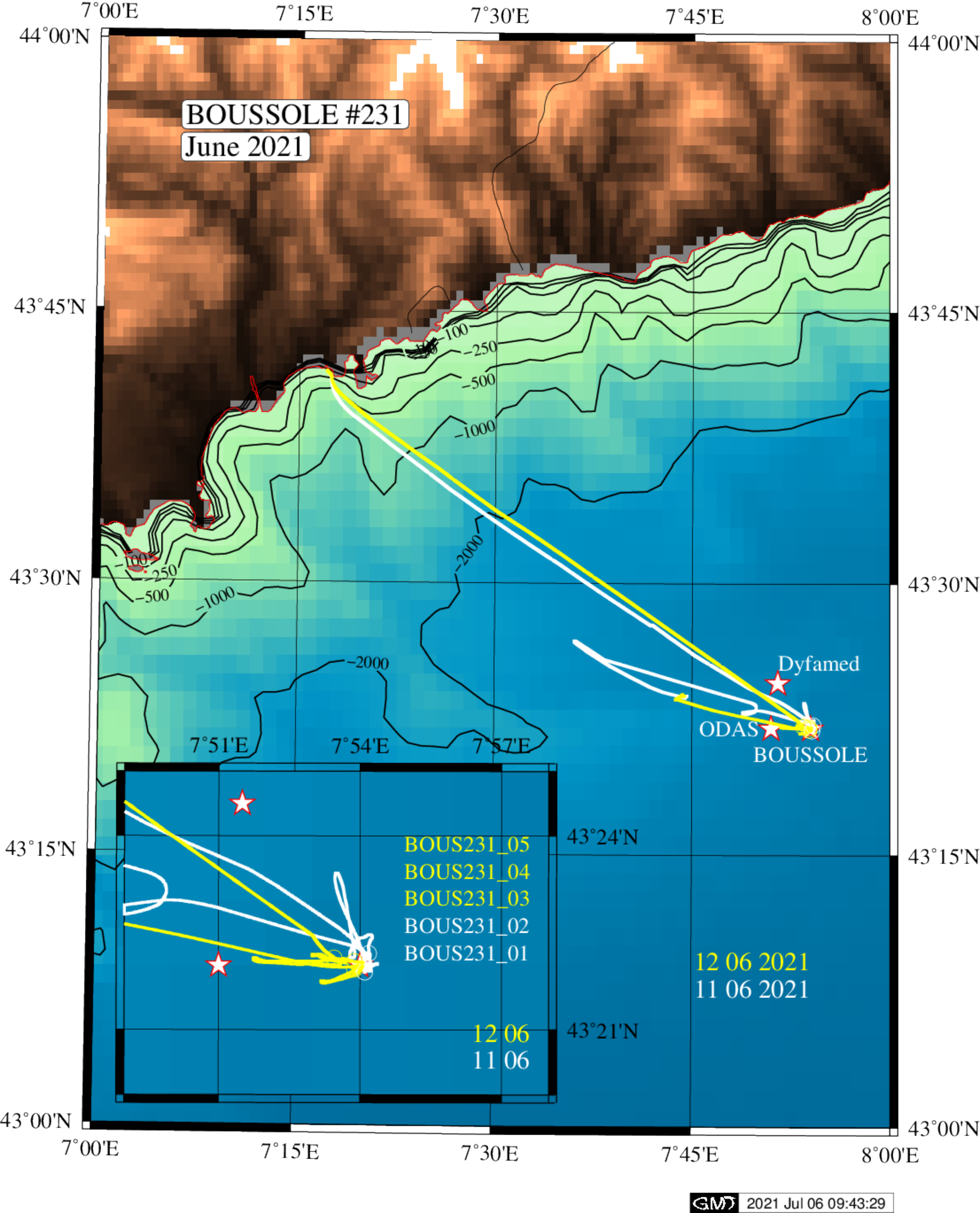
Serial number : 171
Calibrated on : 12May2014
Sensor name : RINKOIII_Temp
A0 : -5.25367500
A1 : 16.66254000
A2 : -2.13105300
A3 : 0.45564880

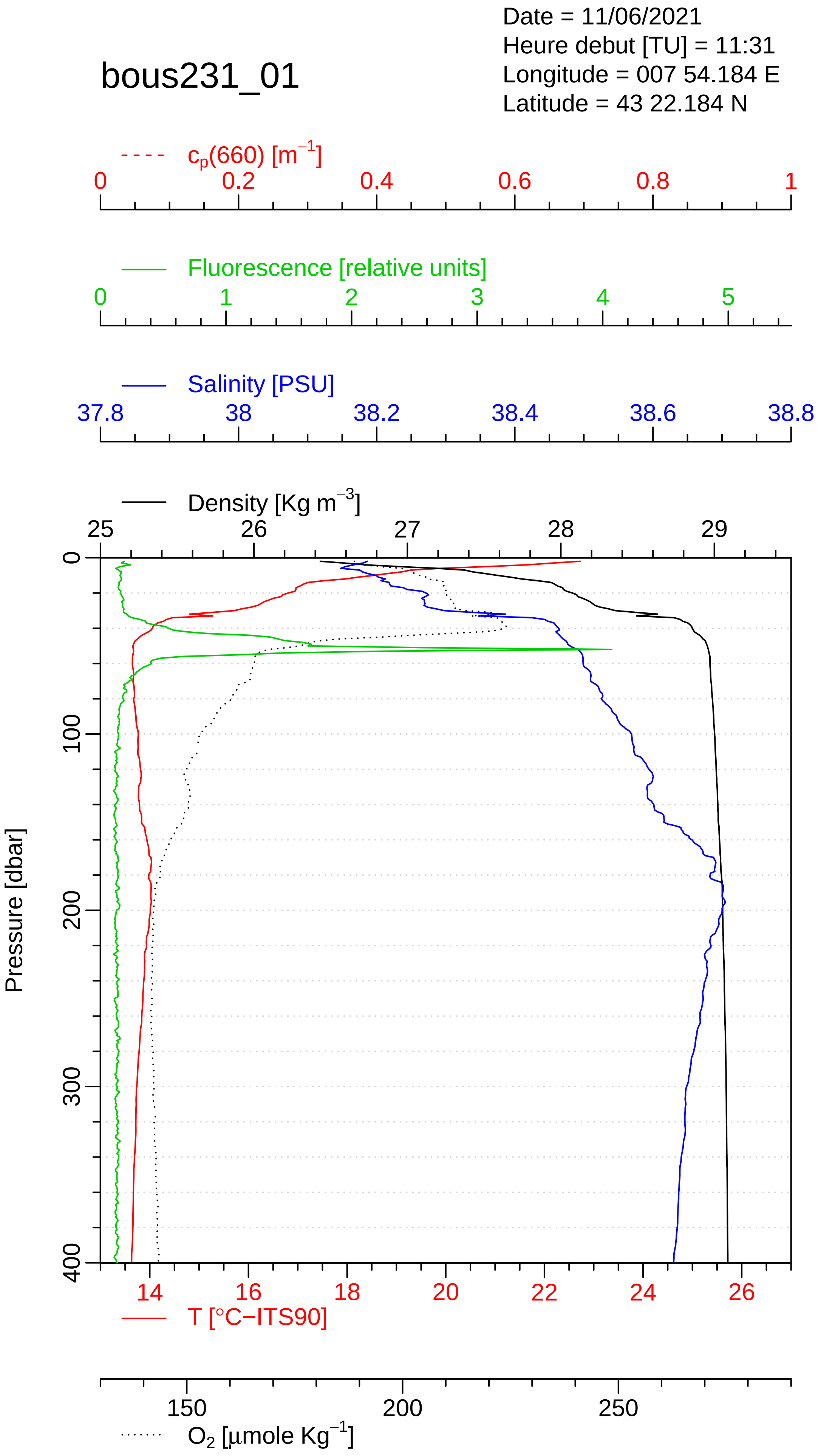
12) A/D voltage 6, Altimeter

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

13) A/D voltage 7, Free

Scan length : 37

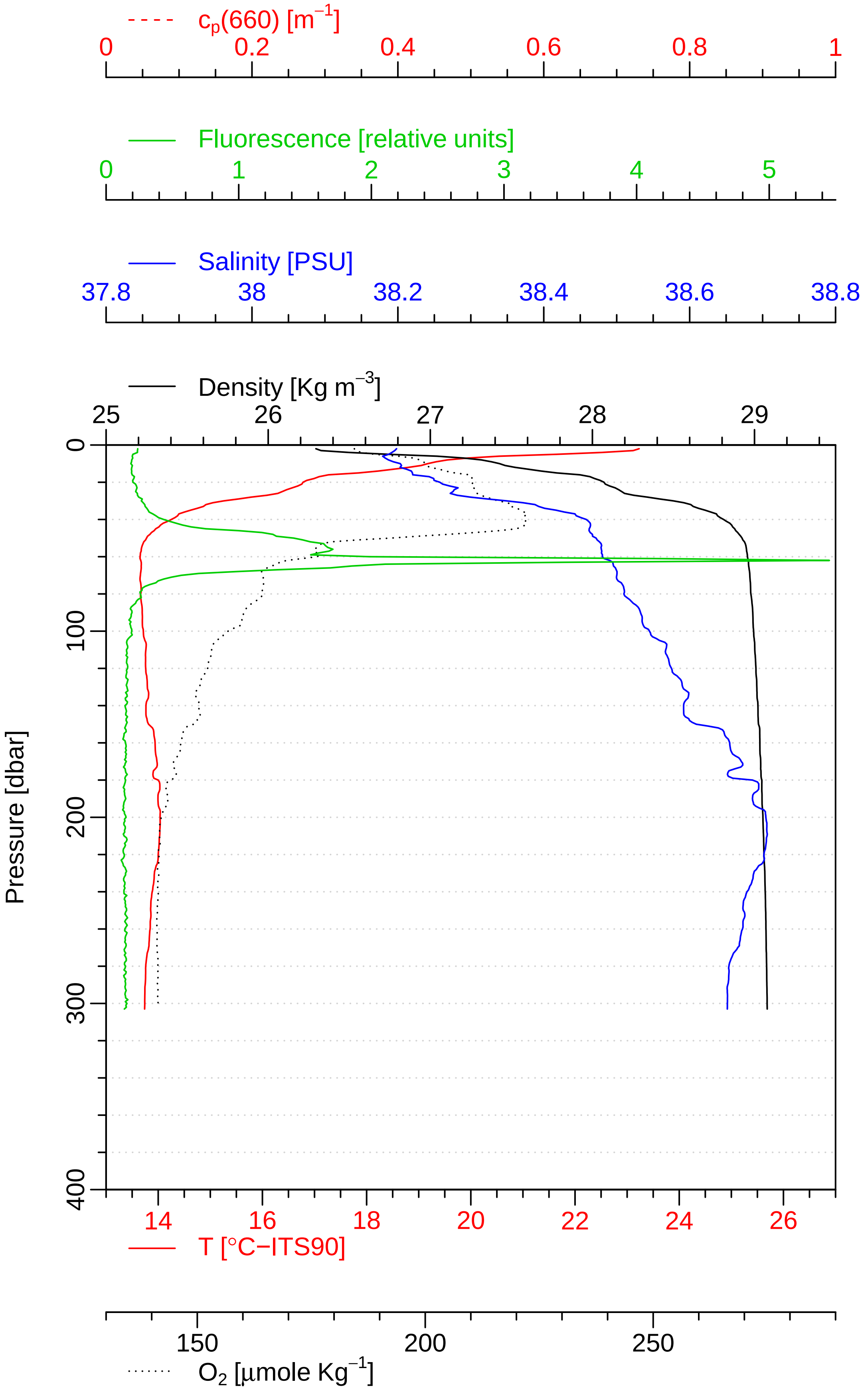

BOUSSOLE #231
June 2021
Dyfamed
ODAS
BOUSSOLE
BOUS231_05
BOUS231_04
BOUS231_03
BOUS231_02
BOUS231_01
12 06 2021
11 06 2021
12 06
11 06
7°00'E
7°15'E
7°30'E
7°45'E
8°00'E
44°00'N
43°45'N
43°30'N
43°15'N
43°00'N
7°51'E
7°54'E
7°57'E
43°24'N
43°21'N
-100
-250
-500
-1000
-2000
2021 Jul 06 09:43:29



bous231_01
Date = 11/06/2021
Heure debut [TU] = 11:31
Longitude = 007 54.184 E
Latitude = 43 22.184 N
cp(660) [m−1]
0 0.2 0.4 0.6 0.8 1
Fluorescence [relative units]
0 1 2 3 4 5
Salinity [PSU]
37.8 38 38.2 38.4 38.6 38.8
Density [Kg m−3]
25 26 27 28 29
Pressure [dbar]
0 100 200 300 400
14 16 18 20 22 24 26
T [°C−ITS90]
150 200 250
O2 [µmole Kg−1]

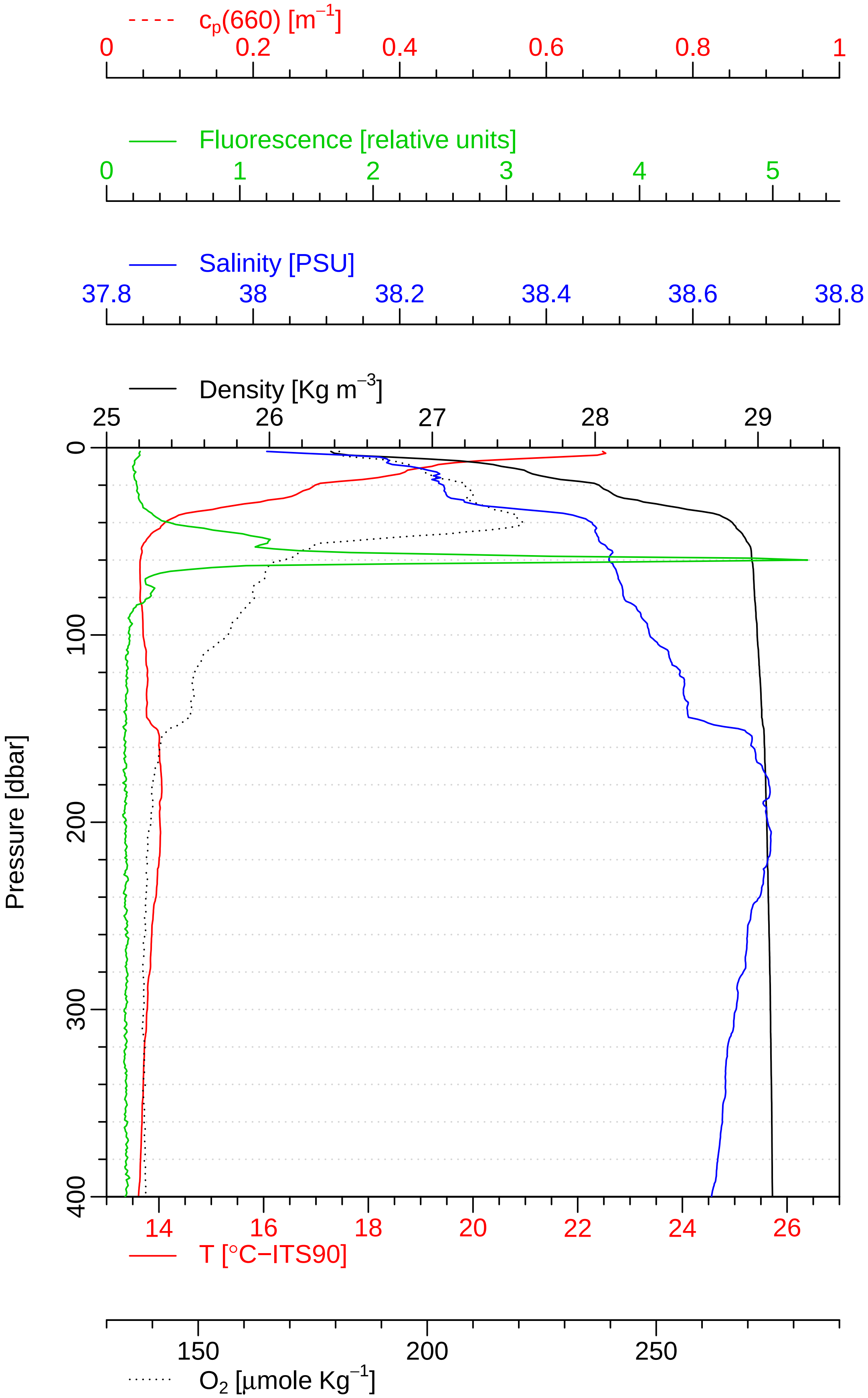
bous231_02

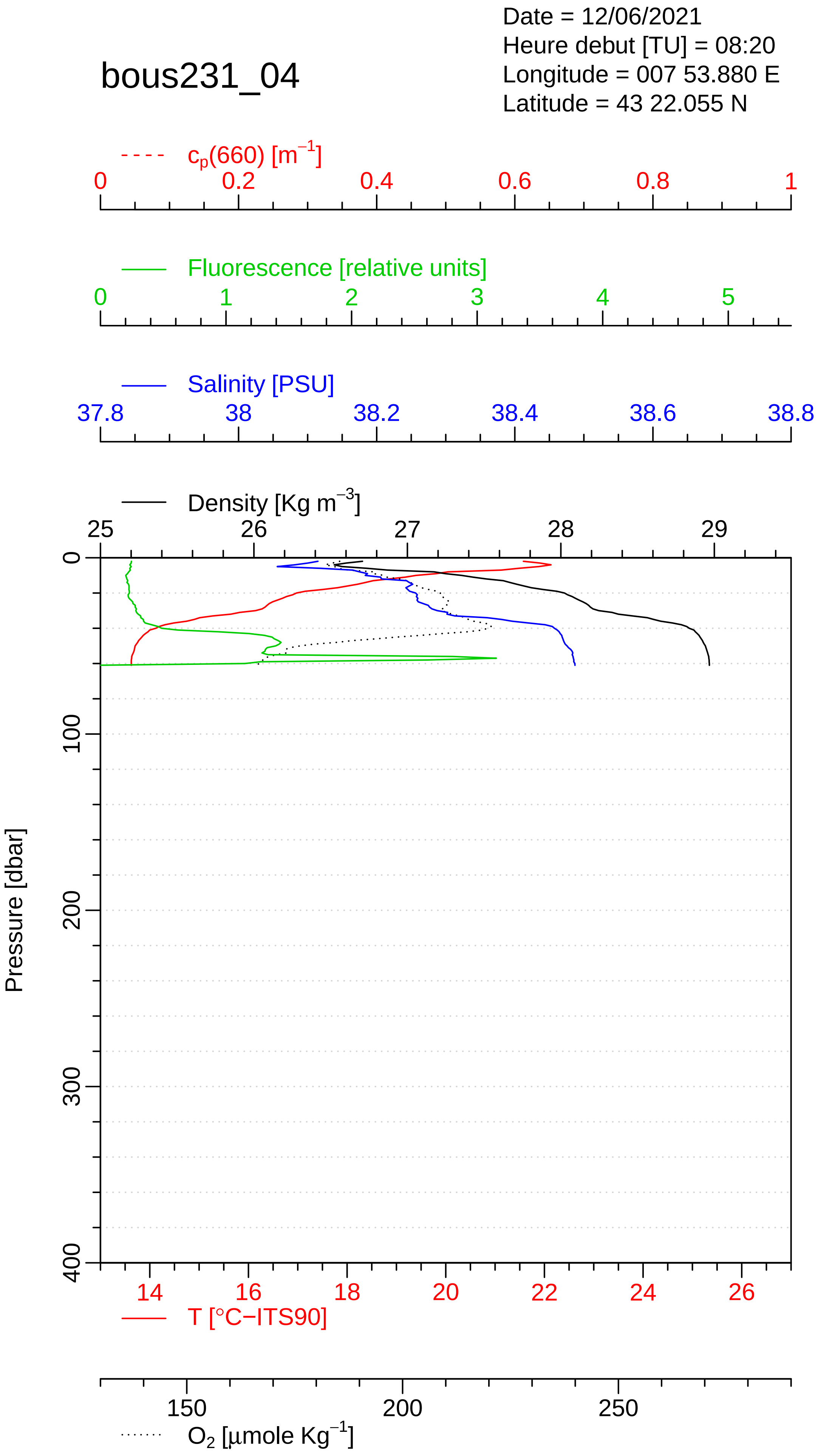
Date = 11/06/2021
Heure debut [TU] = 13:40
Longitude = 007 54.101 E
Latitude = 43 21.896 N



bous231_03

Date = 12/06/2021
Heure debut [TU] = 06:16
Longitude = 007 53.882 E
Latitude = 43 21.936 N

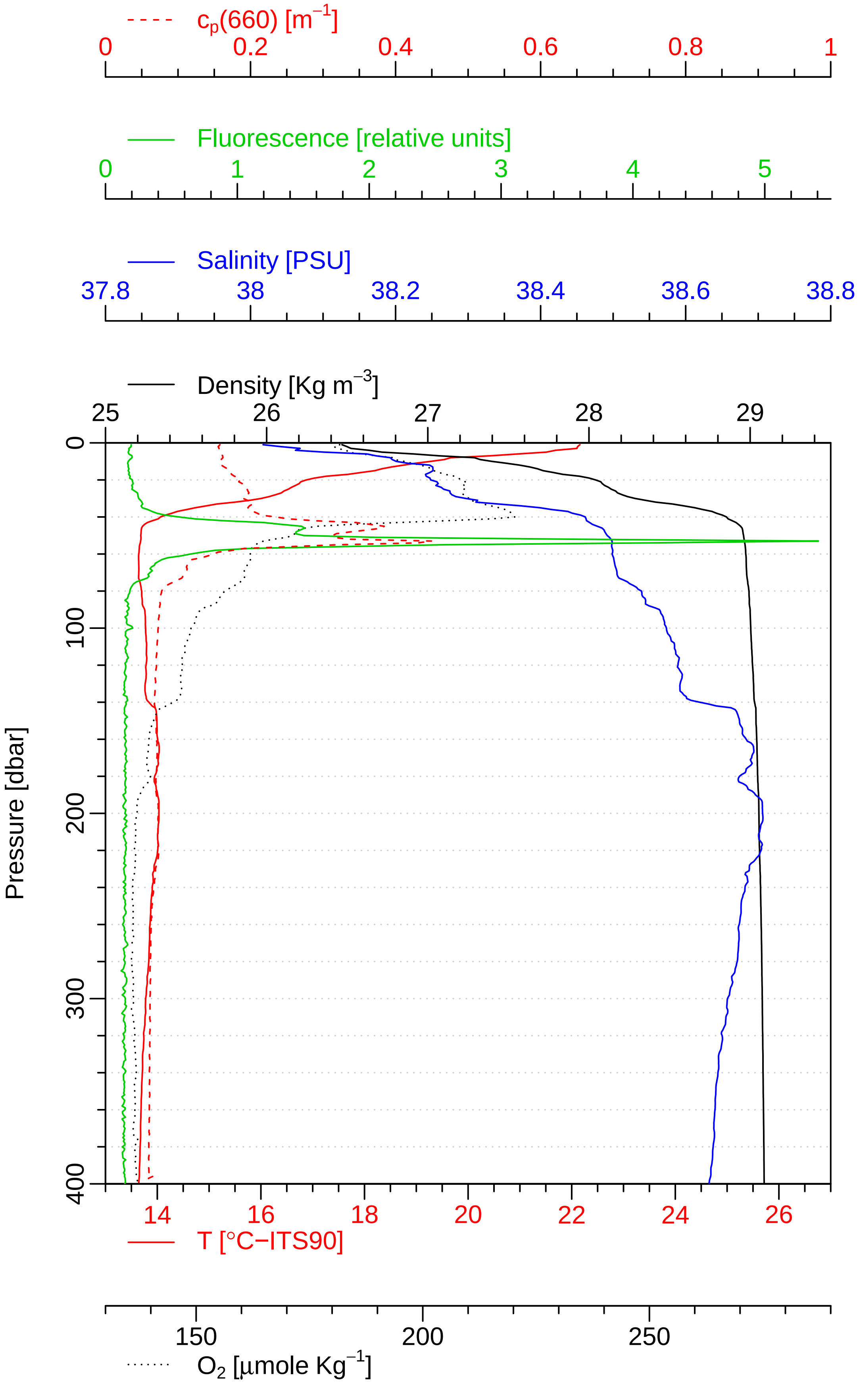




bous231_04
Date = 12/06/2021
Heure debut [TU] = 08:20
Longitude = 007 53.880 E
Latitude = 43 22.055 N
cp(660) [m−1]
0 0.2 0.4 0.6 0.8 1
Fluorescence [relative units]
0 1 2 3 4 5
Salinity [PSU]
37.8 38 38.2 38.4 38.6 38.8
Density [Kg m−3]
25 26 27 28 29
Pressure [dbar]
0 100 200 300 400
14 16 18 20 22 24 26
T [°C−ITS90]
150 200 250
O2 [µmole Kg−1]

bous231_05

Date = 12/06/2021
Heure debut [TU] = 10:02
Longitude = 007 53.454 E
Latitude = 43 22.110 N



Date: 01/24/2022

Instrument configuration file: D:\Melek\boussole\Data\CTD\data&process\2021\B231\raw\BOUS231_01.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 : No
NMEA depth data added : No
NMEA time added : No
Surface PAR voltage added : No
Scan time added : No

1) Frequency 0, Temperature

Serial number : 2473
Calibrated on : 04-Mar-20
G : 4.36726120e-003
H : 6.43151581e-004
I : 2.33812060e-005
J : 2.23255667e-006
F0 : 1000.000
Slope : 1.00000000
Offset : 0.0000

2) Frequency 1, Conductivity

Serial number : 2929
Calibrated on : 05-Mar-20
G : -1.05951733e+001
H : 1.41908901e+000
I : 7.59510042e-004
J : 2.04144674e-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 : -2.27039
AD590M : 1.280100e-002

AD590B : -9.240166e+000

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

Serial number : 0587
Calibrated on : 22-May-19
Equation : Sea-Bird
Soc : 3.68480e-001
Offset : -6.77900e-001
A : -4.19030e-003
B : 1.84280e-004
C : -3.04220e-006
E : 3.60000e-002
Tau20 : 1.11000e+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 : 088-193
Calibrated on : 11-jul-2019
VB : 0.406700
V1 : 1.761800
Vacetone : 0.683330
Scale factor : 1.000000
Slope : 1.000000
Offset : -0.260000

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

Serial number : CST-887DR
Calibrated on : oct2019
M : 21.0776
B : -0.2951
Path length : 0.250

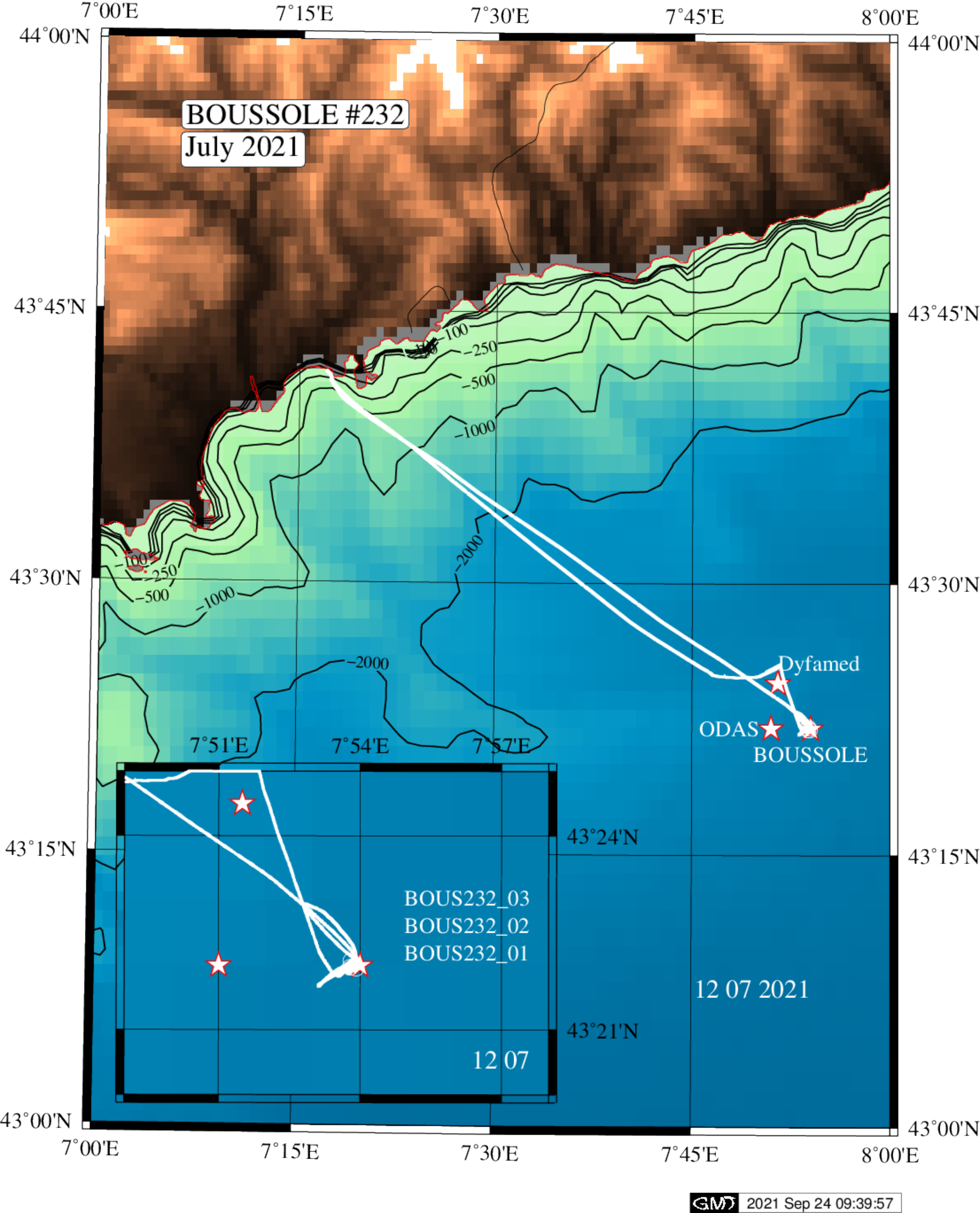
8) A/D voltage 4, Free

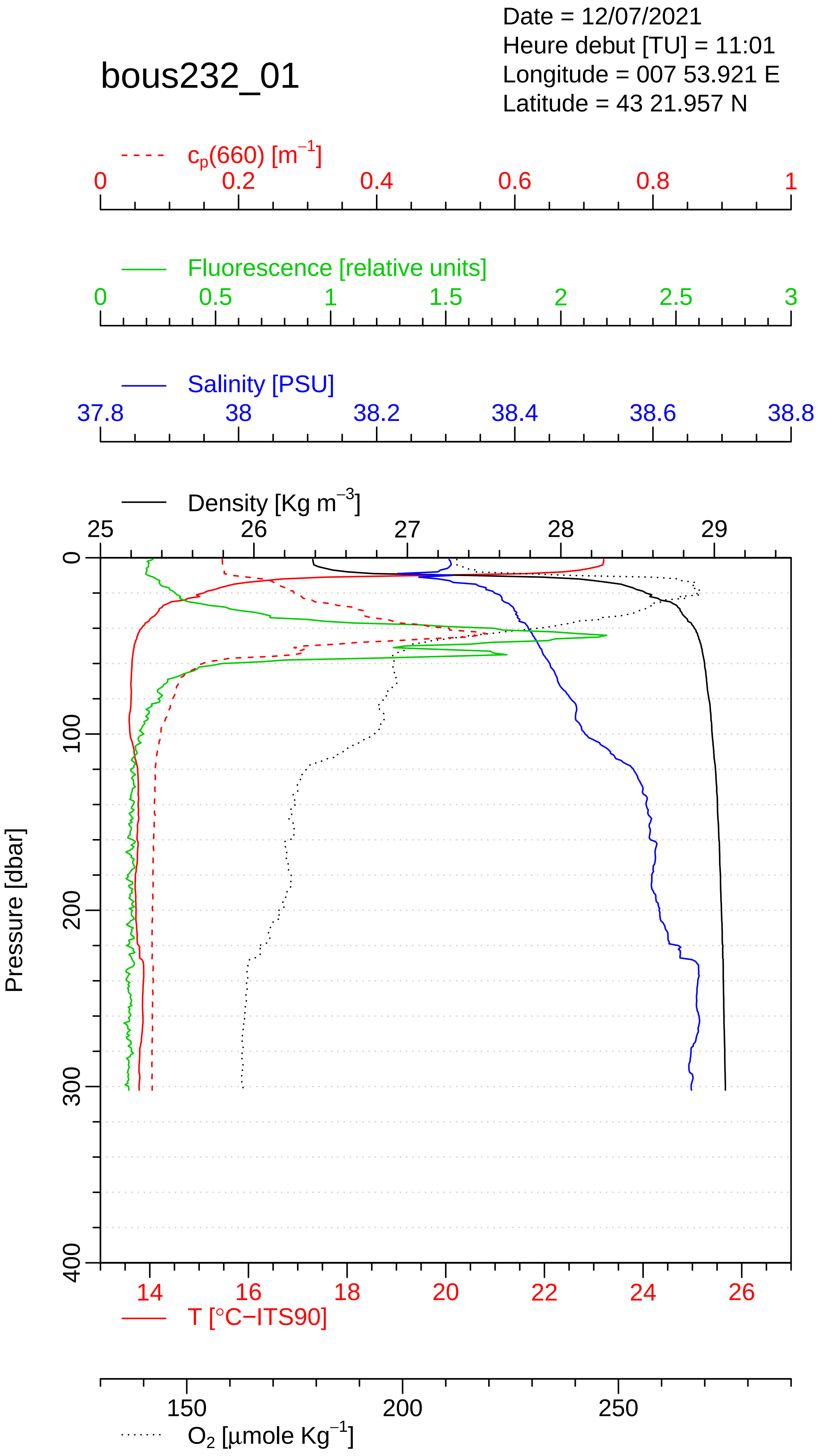
9) A/D voltage 5, Free

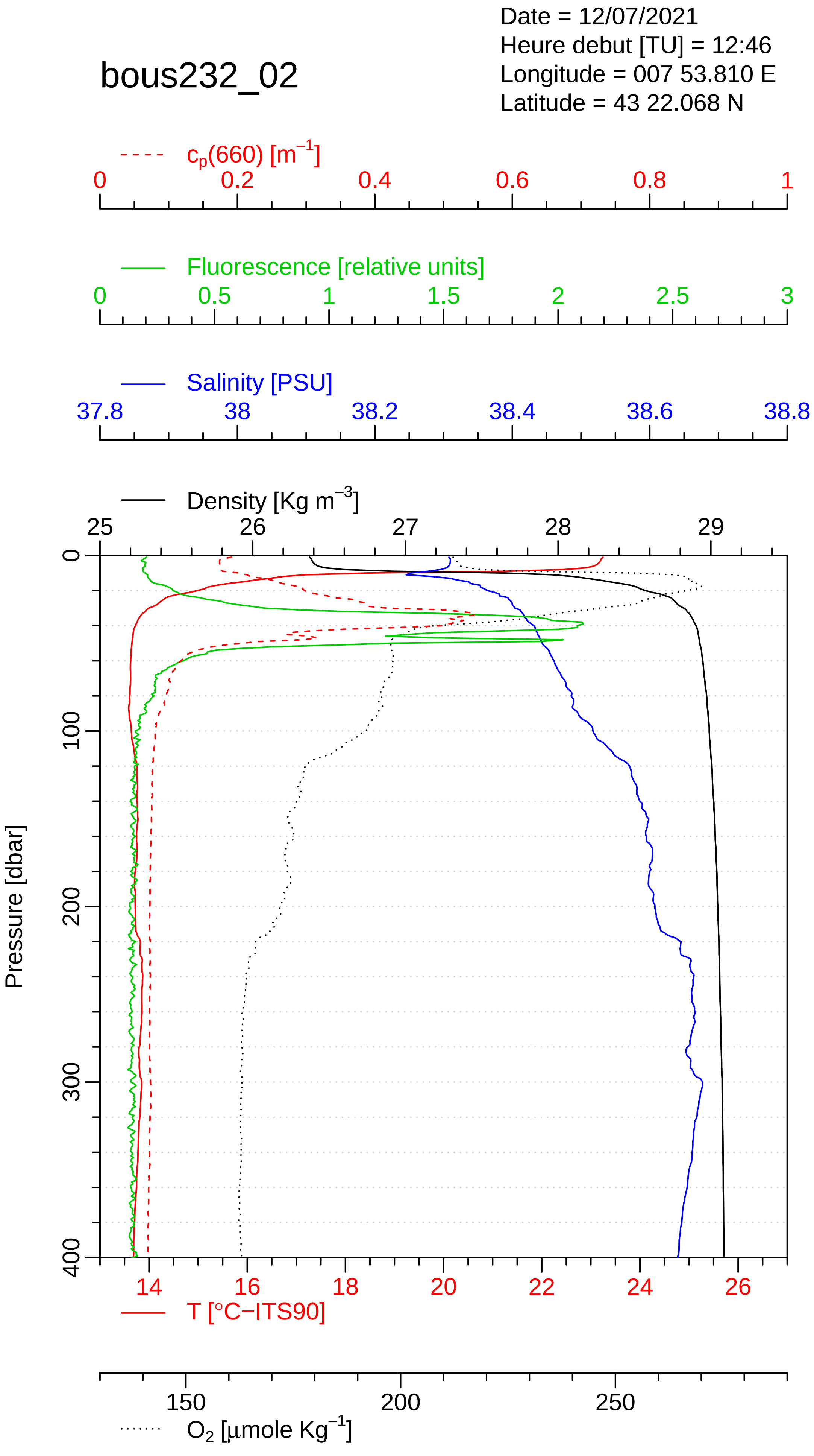
10) A/D voltage 6, Free

11) A/D voltage 7, Free

Scan length : 24


BOUSSOLE #232
July 2021
7°00'E
7°15'E
7°30'E
7°45'E
8°00'E
44°00'N
43°45'N
43°30'N
43°15'N
43°00'N
-100
-250
-500
-1000
-2000
Dyfamed
ODAS
BOUSSOLE
7°51'E
7°54'E
7°57'E
43°24'N
43°21'N
BOUS232_03
BOUS232_02
BOUS232_01
12 07
12 07 2021
2021 Sep 24 09:39:57

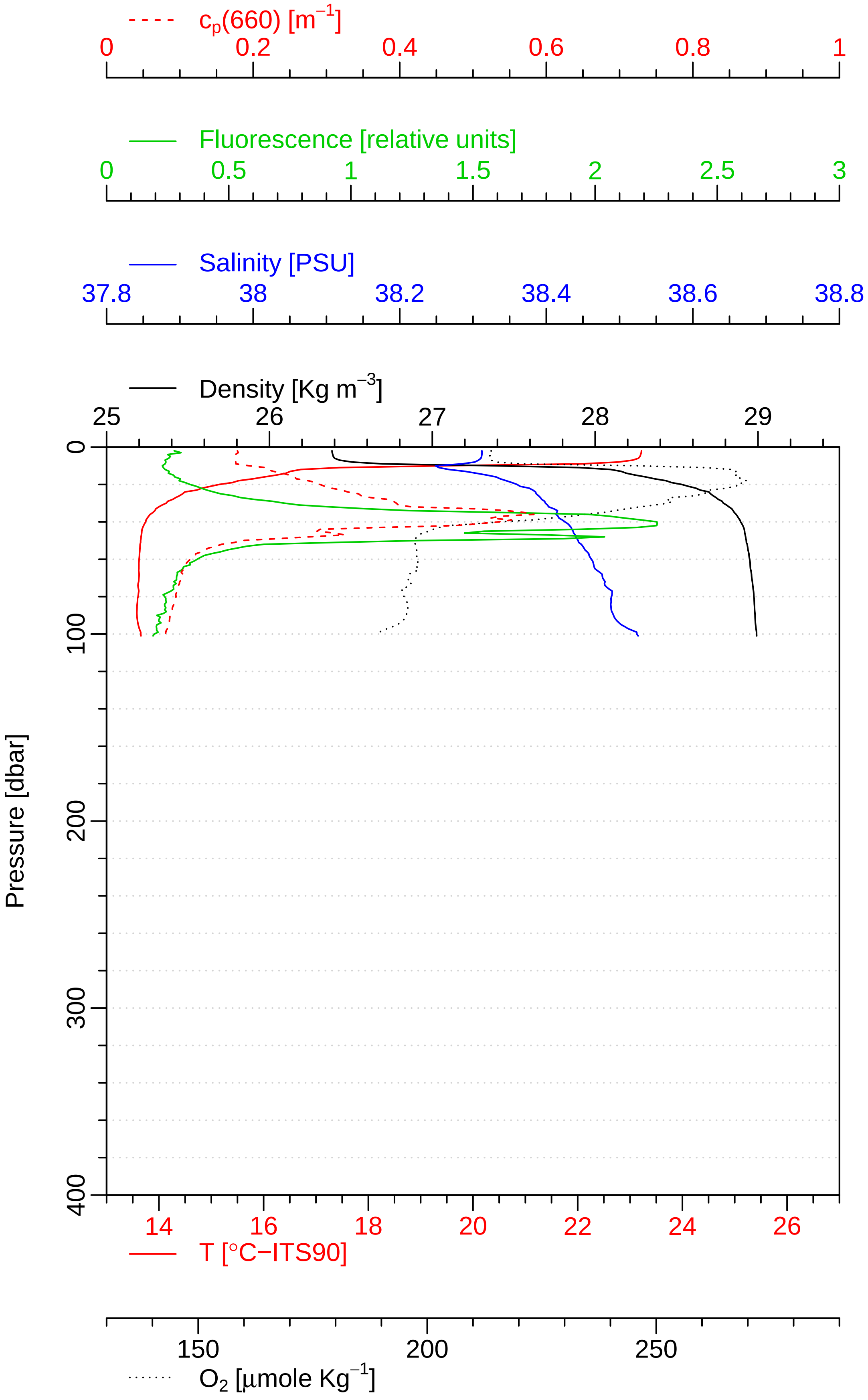

bous232_01
Date = 12/07/2021
Heure debut [TU] = 11:01
Longitude = 007 53.921 E
Latitude = 43 21.957 N
$c_p(660)$ [m^{-1}]
0 0.2 0.4 0.6 0.8 1
Fluorescence [relative units]
0 0.5 1 1.5 2 2.5 3
Salinity [PSU]
37.8 38 38.2 38.4 38.6 38.8
Density [$Kg\ m^{-3}$]
25 26 27 28 29
Pressure [dbar]
0 100 200 300 400
14 16 18 20 22 24 26
T [°C−ITS90]
150 200 250
O_2 [µmole Kg^{-1}]



bous232_02
Date = 12/07/2021
Heure debut [TU] = 12:46
Longitude = 007 53.810 E
Latitude = 43 22.068 N
c_p(660) [m^{-1}]
0 0.2 0.4 0.6 0.8 1
Fluorescence [relative units]
0 0.5 1 1.5 2 2.5 3
Salinity [PSU]
37.8 38 38.2 38.4 38.6 38.8
Density [Kg m^{-3}]
25 26 27 28 29
Pressure [dbar]
0 100 200 300 400
14 16 18 20 22 24 26
T [°C−ITS90]
150 200 250
O_2 [µmole Kg^{-1}]

bous232_03

Date = 12/07/2021
Heure debut [TU] = 13:49
Longitude = 007 53.795 E
Latitude = 43 21.969 N



Date: 01/24/2022

Instrument configuration file: D:\Melek\boussole\Data\CTD\data&process\2021\B232\raw\BOUS232_01.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 : No
NMEA depth data added : No
NMEA time added : No
Surface PAR voltage added : No
Scan time added : No

1) Frequency 0, Temperature

Serial number : 2473
Calibrated on : 04-Mar-20
G : 4.36726120e-003
H : 6.43151581e-004
I : 2.33812060e-005
J : 2.23255667e-006
F0 : 1000.000
Slope : 1.00000000
Offset : 0.0000

2) Frequency 1, Conductivity

Serial number : 2929
Calibrated on : 05-Mar-20
G : -1.05951733e+001
H : 1.41908901e+000
I : 7.59510042e-004
J : 2.04144674e-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 : -2.27039
AD590M : 1.280100e-002

AD590B : -9.240166e+000

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

Serial number : 0378
Calibrated on : 18-May-21
Equation : Sea-Bird
Soc : 3.60130e-001
Offset : -6.52900e-001
A : -4.74250e-003
B : 2.16910e-004
C : -3.37400e-006
E : 3.60000e-002
Tau20 : 1.21000e+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 : 088-193
Calibrated on : 11-jul-2019
VB : 0.406700
V1 : 1.761800
Vacetone : 0.683330
Scale factor : 1.000000
Slope : 1.000000
Offset : -0.260000

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

Serial number : CST-887DR
Calibrated on : oct2019
M : 21.0776
B : -0.2951
Path length : 0.250

8) A/D voltage 4, User Polynomial

Serial number : 171
Calibrated on : 19May2014
Sensor name : RINKOIII_DO
A0 : 0.00000000
A1 : 1.00000000
A2 : 0.00000000
A3 : 0.00000000

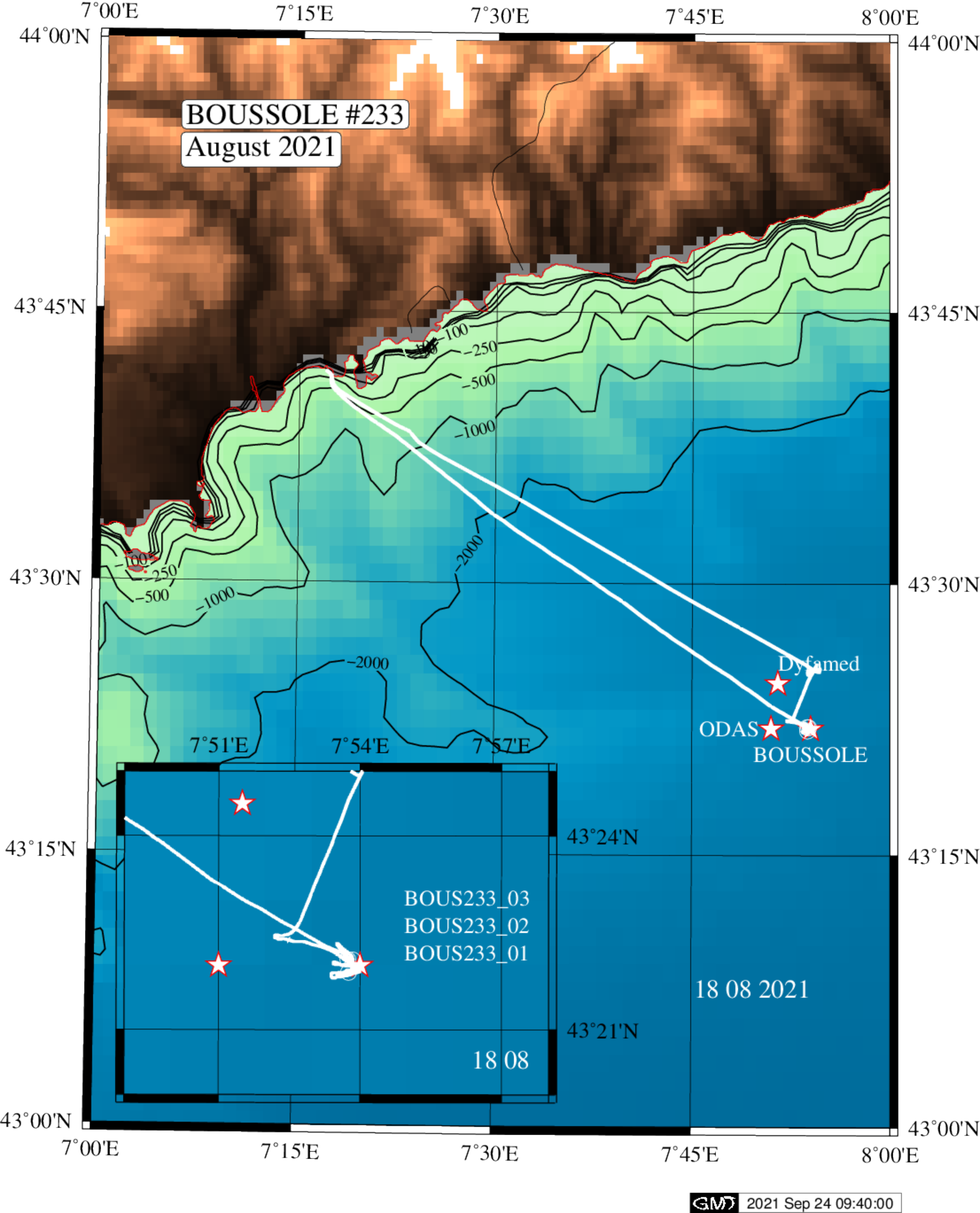
9) A/D voltage 5, User Polynomial, 2

Serial number : 171
Calibrated on : 12May2014
Sensor name : RINKOIII_Temp
A0 : -5.25367500
A1 : 16.66254000
A2 : -2.13105300
A3 : 0.45564880

10) A/D voltage 6, Free

11) A/D voltage 7, Free

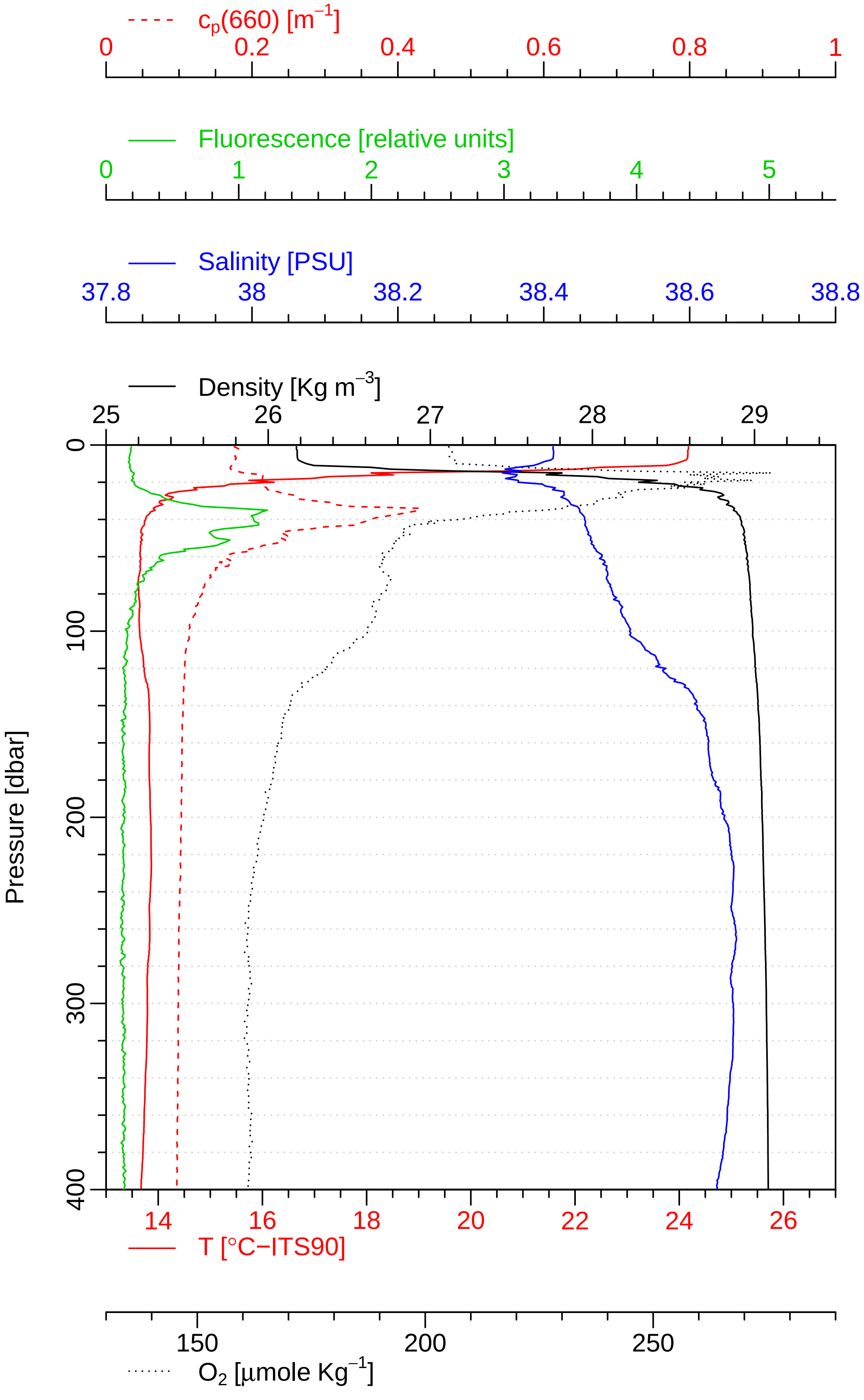
Scan length : 24

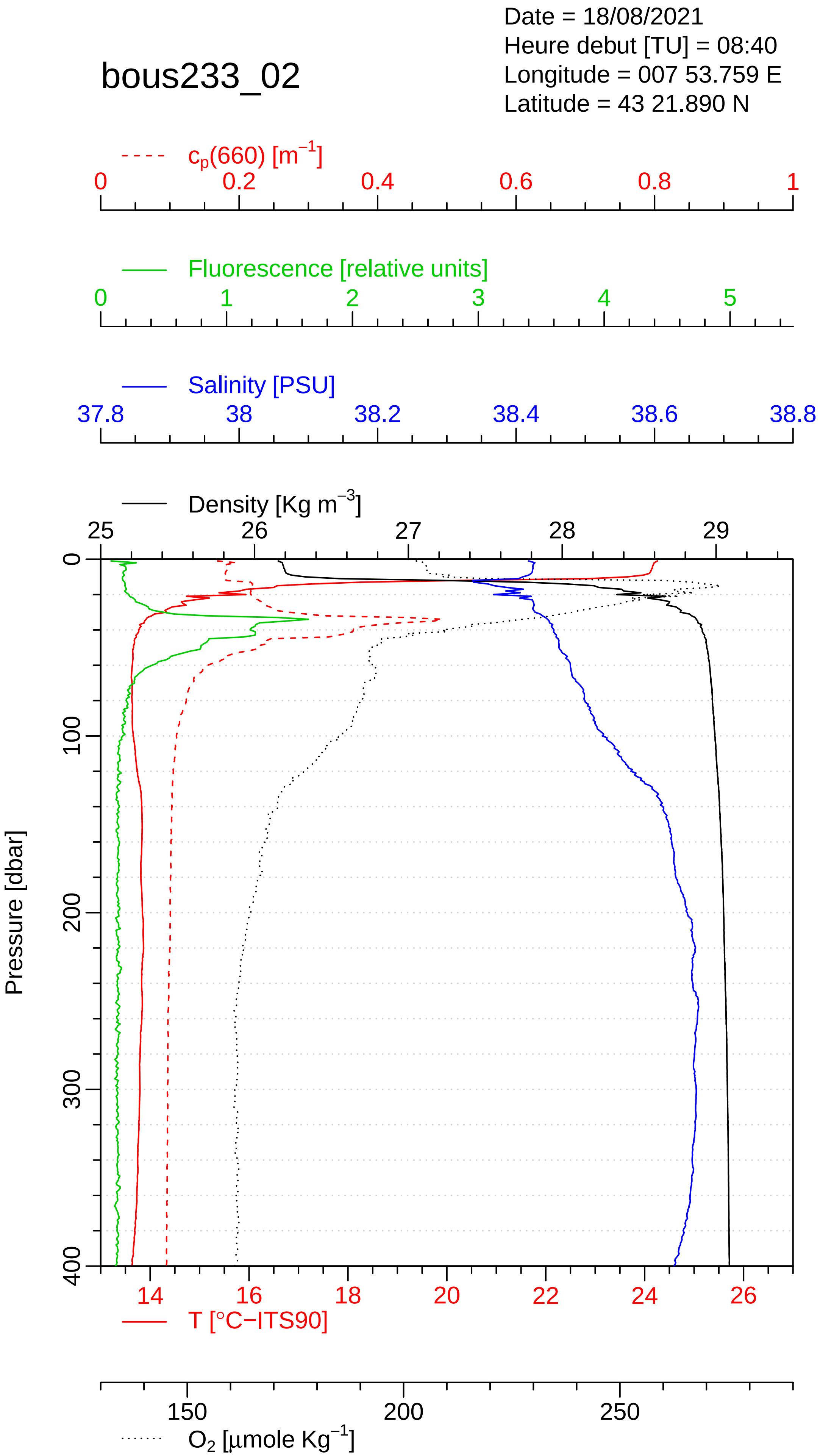


BOUSSOLE #233
August 2021
7°00'E
7°15'E
7°30'E
7°45'E
8°00'E
44°00'N
43°45'N
43°30'N
43°15'N
43°00'N
−100
−250
−500
−1000
−2000
Dyfamed
ODAS
BOUSSOLE
7°51'E
7°54'E
7°57'E
43°24'N
43°21'N
BOUS233_03
BOUS233_02
BOUS233_01
18 08
18 08 2021
2021 Sep 24 09:40:00

bous233_01

Date = 18/08/2021
Heure debut [TU] = 06:30
Longitude = 007 53.846 E
Latitude = 43 22.082 N

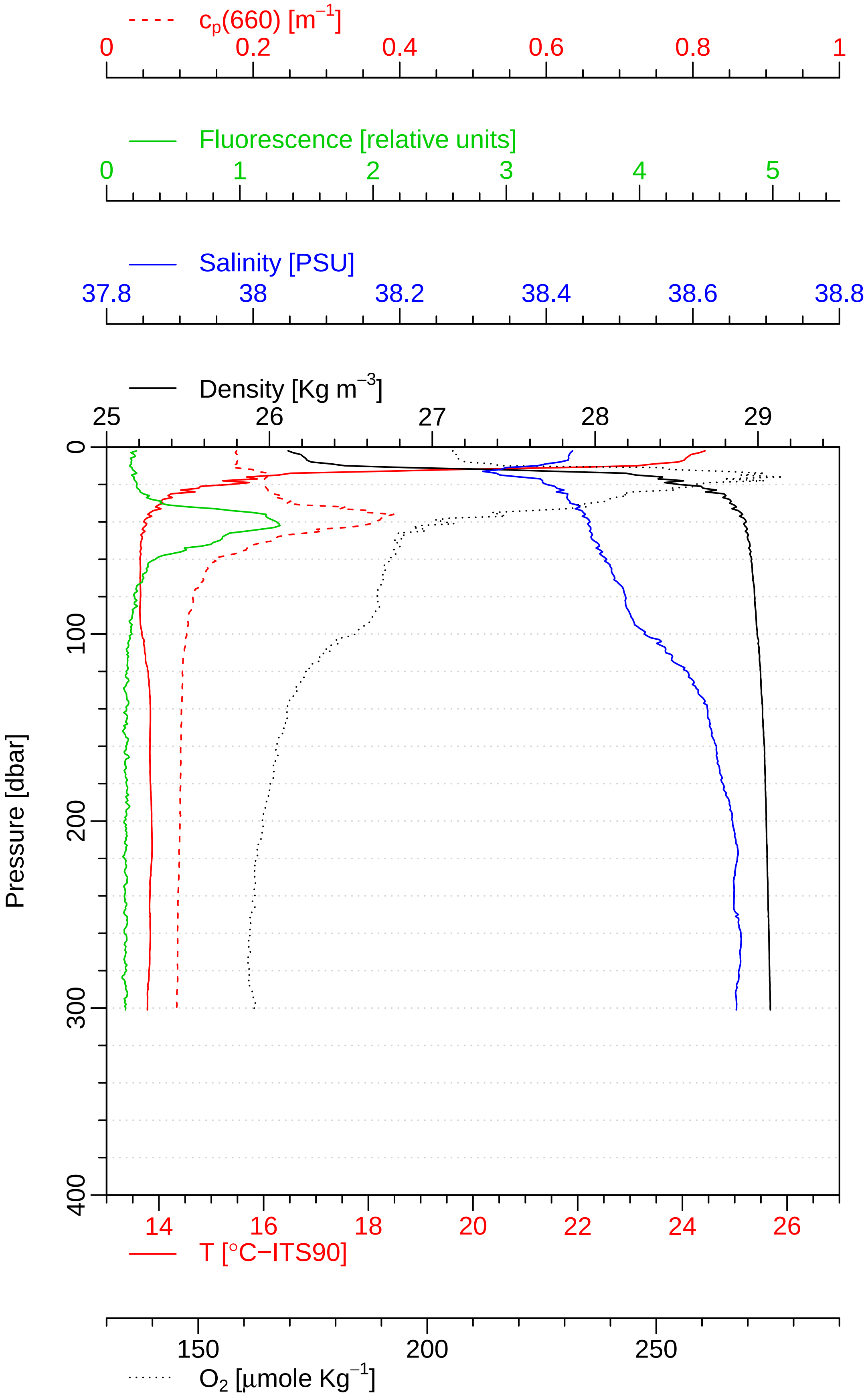




bous233_02
Date = 18/08/2021
Heure debut [TU] = 08:40
Longitude = 007 53.759 E
Latitude = 43 21.890 N
cp(660) [m−1]
0 0.2 0.4 0.6 0.8 1
Fluorescence [relative units]
0 1 2 3 4 5
Salinity [PSU]
37.8 38 38.2 38.4 38.6 38.8
Density [Kg m−3]
25 26 27 28 29
Pressure [dbar]
0 100 200 300 400
14 16 18 20 22 24 26
T [°C−ITS90]
150 200 250
O2 [µmole Kg−1]

bous233_03

Date = 18/08/2021
Heure debut [TU] = 10:31
Longitude = 007 53.744 E
Latitude = 43 22.087 N



Date: 01/24/2022

Instrument configuration file: D:\Melek\boussole\Data\CTD\data&process\2021\B233\raw\BOUS233_01.XMLCON

Configuration report for SBE 911plus/917plus CTD

Frequency channels suppressed : 0
Voltage words suppressed : 1
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-Jun-21
G : 4.83714772e-003
H : 6.70524923e-004
I : 2.63336304e-005
J : 2.14843005e-006
F0 : 1000.000
Slope : 1.00000000
Offset : 0.0000

2) Frequency 1, Conductivity

Serial number : 2929
Calibrated on : 05-Mar-20
G : -1.05951733e+001
H : 1.41908901e+000
I : 7.59510042e-004
J : 2.04144674e-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 : -2.27039

AD590M : 1.280100e-002
AD590B : -9.240166e+000

4) Frequency 3, Temperature, 2

Serial number : 5545
Calibrated on : 11-Jul-18
G : 4.31331688e-003
H : 6.26102919e-004
I : 1.91674175e-005
J : 1.39951663e-006
F0 : 1000.000
Slope : 1.00000000
Offset : 0.0000

5) Frequency 4, Conductivity, 2

Serial number : 4097
Calibrated on : 29-Oct-19
G : -9.94156304e+000
H : 1.22604249e+000
I : -2.34562610e-003
J : 2.23476473e-004
CTcor : 3.2500e-006
CPcor : -9.57000000e-008
Slope : 1.00000000
Offset : 0.00000

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

Serial number : 0378
Calibrated on : 18-May-21
Equation : Sea-Bird
Soc : 3.60130e-001
Offset : -6.52900e-001
A : -4.74250e-003
B : 2.16910e-004
C : -3.37400e-006
E : 3.60000e-002
Tau20 : 1.21000e+000
D1 : 1.92634e-004
D2 : -4.64803e-002
H1 : -3.30000e-002
H2 : 5.00000e+003
H3 : 1.45000e+003

7) A/D voltage 1, Free

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

Serial number : 088-193
Calibrated on : 11-jul-2019
VB : 0.406700
V1 : 1.761800
Vacetone : 0.683330
Scale factor : 1.000000
Slope : 1.000000
Offset : -0.260000

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

Serial number : CST-887DR
Calibrated on : oct2019
M : 21.0776
B : -0.2951
Path length : 0.250

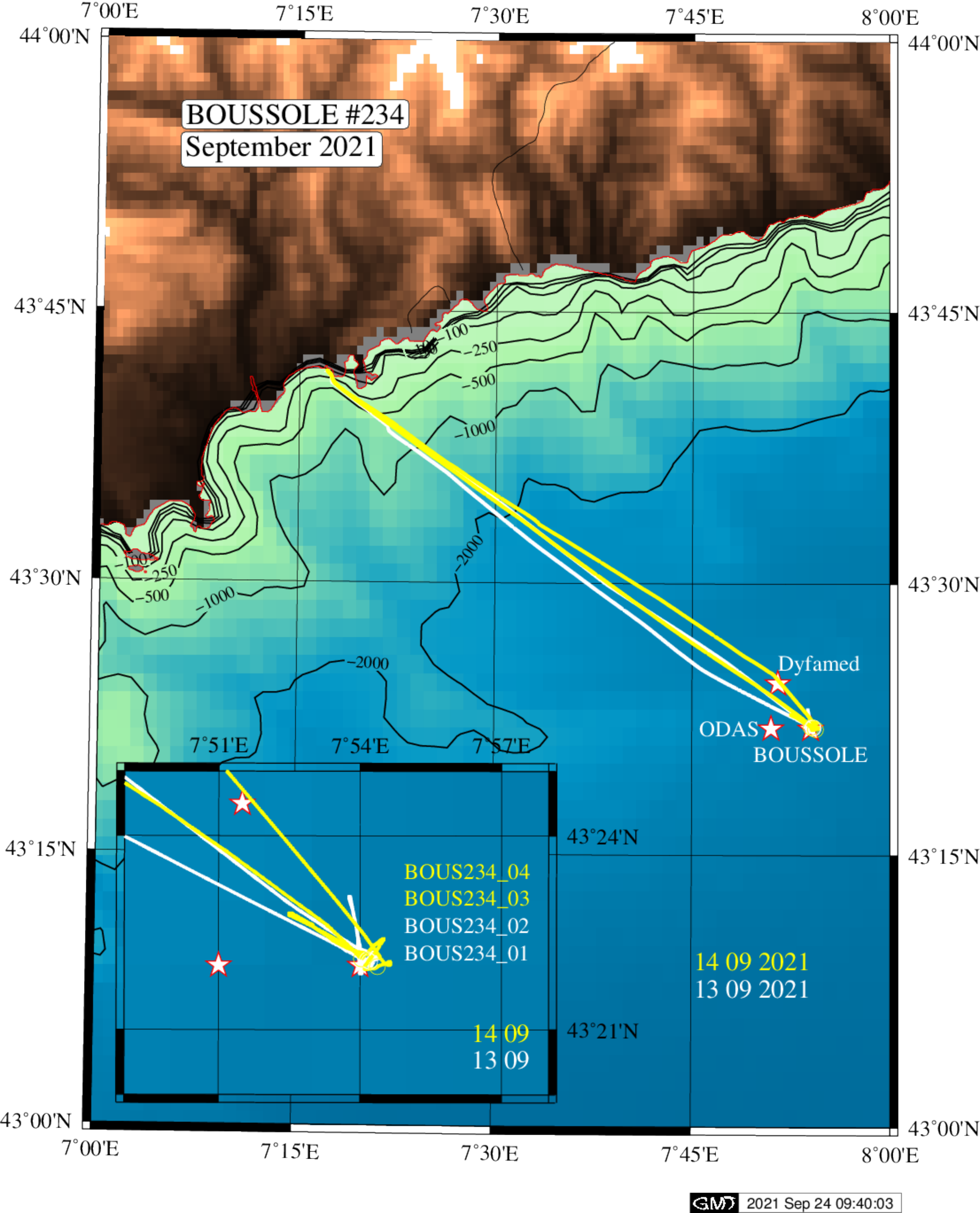
10) A/D voltage 4, User Polynomial

Serial number : 171
Calibrated on : 19May2014
Sensor name : RINKOIII_DO
A0 : 0.00000000
A1 : 1.00000000
A2 : 0.00000000
A3 : 0.00000000

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

Serial number : 171
Calibrated on : 12May2014
Sensor name : RINKOIII_Temp
A0 : -5.25367500
A1 : 16.66254000
A2 : -2.13105300
A3 : 0.45564880

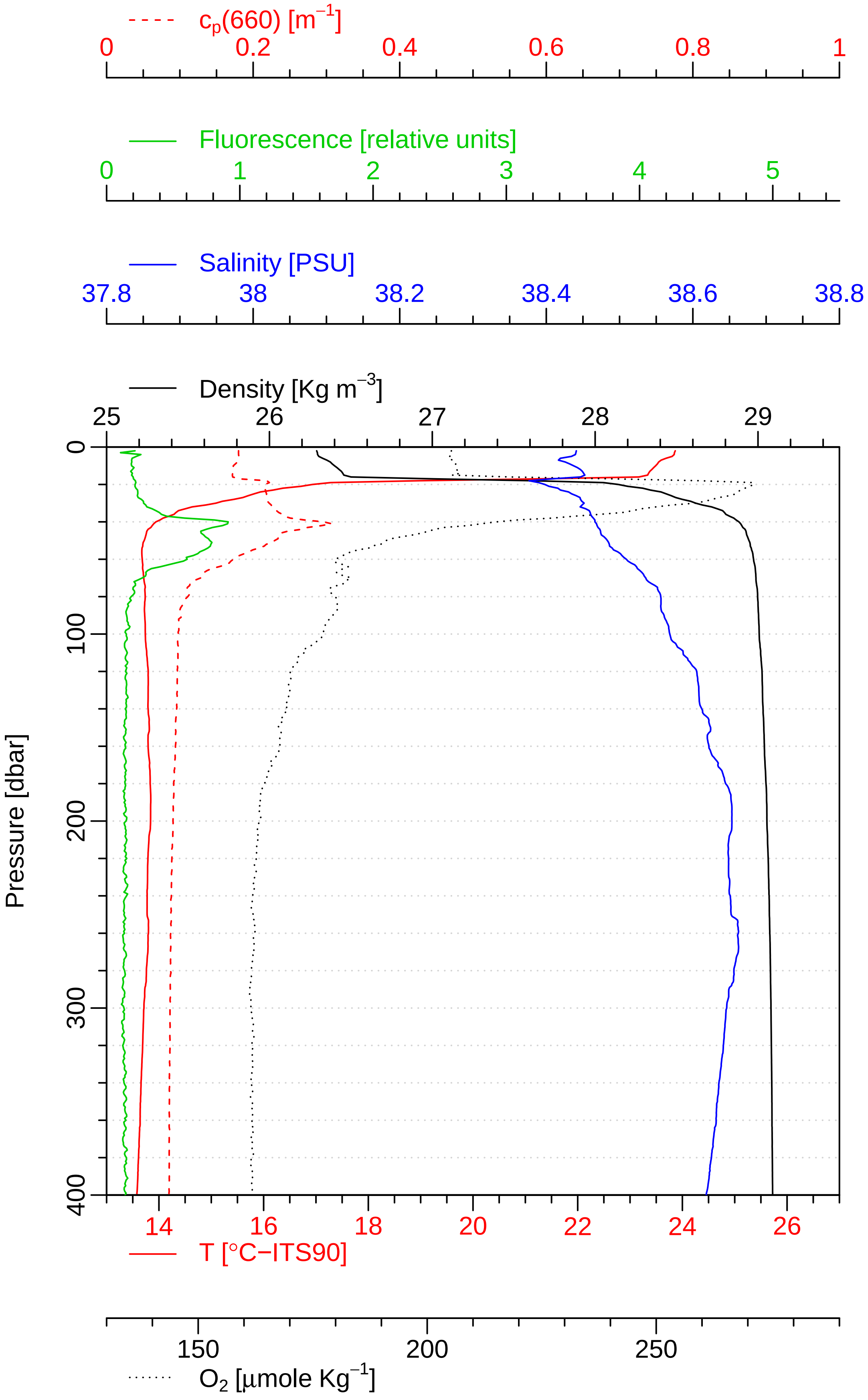
Scan length : 34



BOUSSOLE #234
September 2021
Dyfamed
ODAS
BOUSSOLE
BOUS234_04
BOUS234_03
BOUS234_02
BOUS234_01
14 09 2021
13 09 2021
14 09
13 09
7°00'E
7°15'E
7°30'E
7°45'E
8°00'E
44°00'N
43°45'N
43°30'N
43°15'N
43°00'N
7°51'E
7°54'E
7°57'E
43°24'N
43°21'N
−100
−250
−500
−1000
−2000
2021 Sep 24 09:40:03

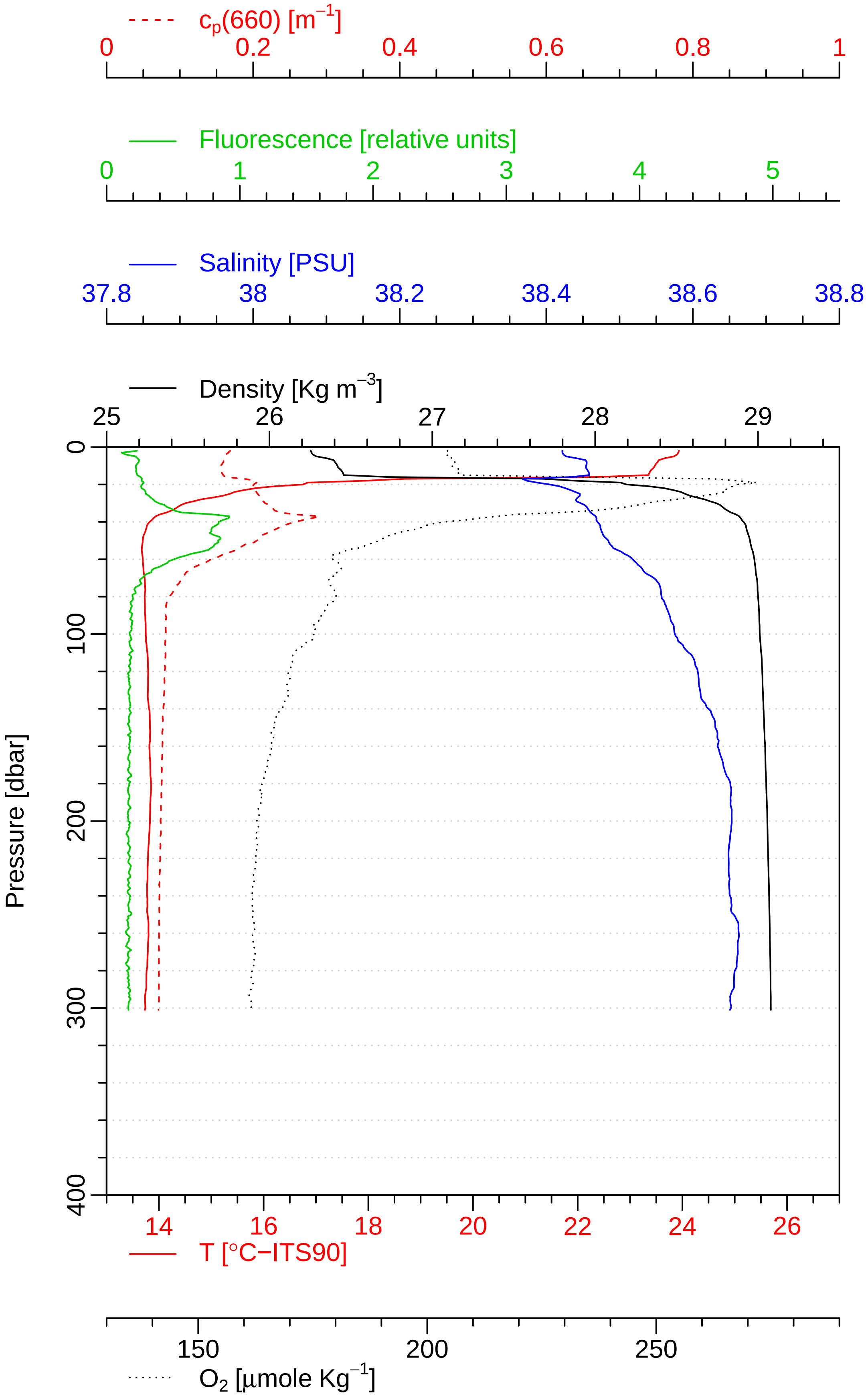
bous234_01

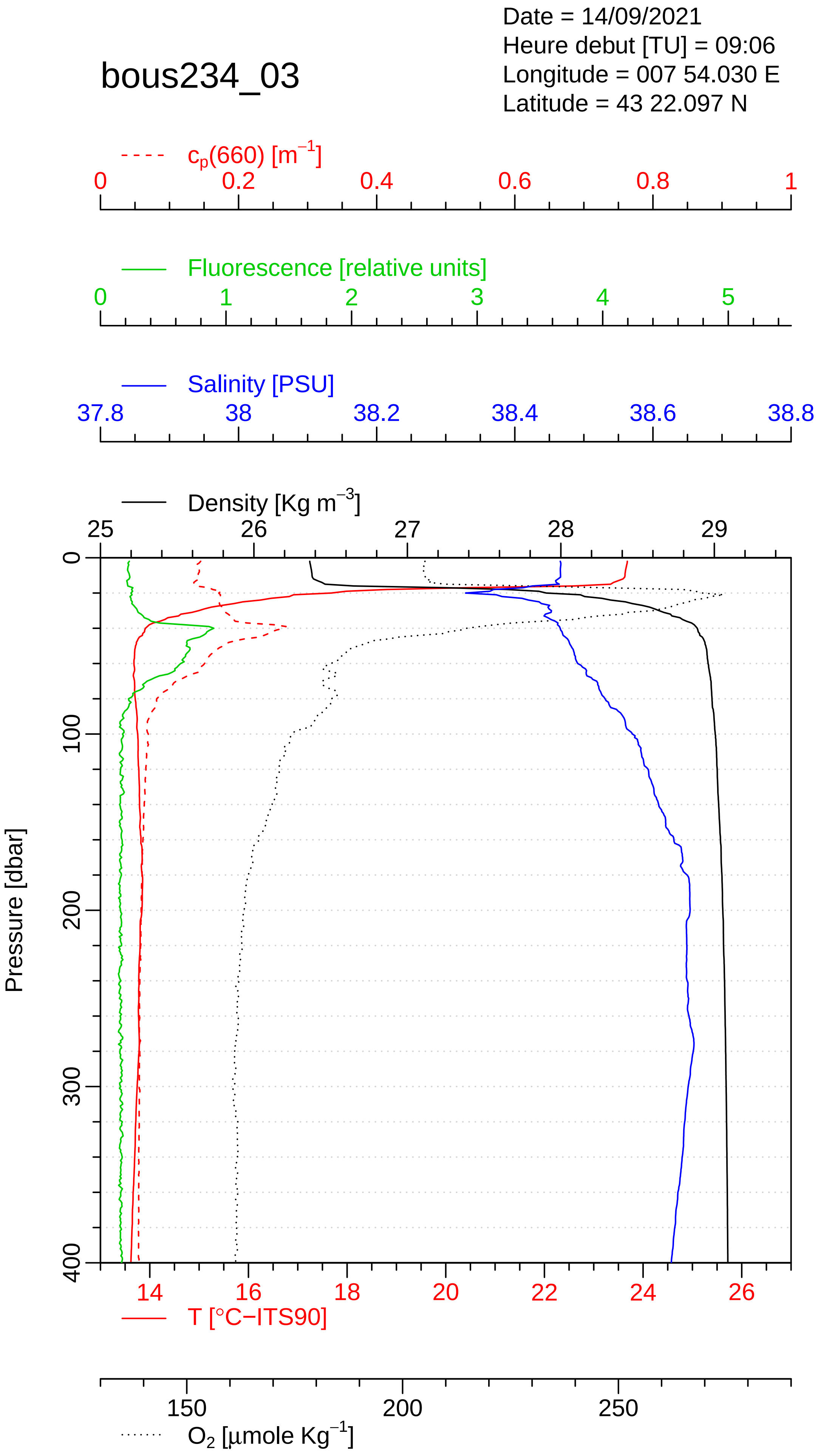
Date = 13/09/2021
Heure debut [TU] = 12:07
Longitude = 007 54.203 E
Latitude = 43 22.057 N



bous234_02

Date = 13/09/2021
Heure debut [TU] = 13:51
Longitude = 007 54.154 E
Latitude = 43 22.081 N

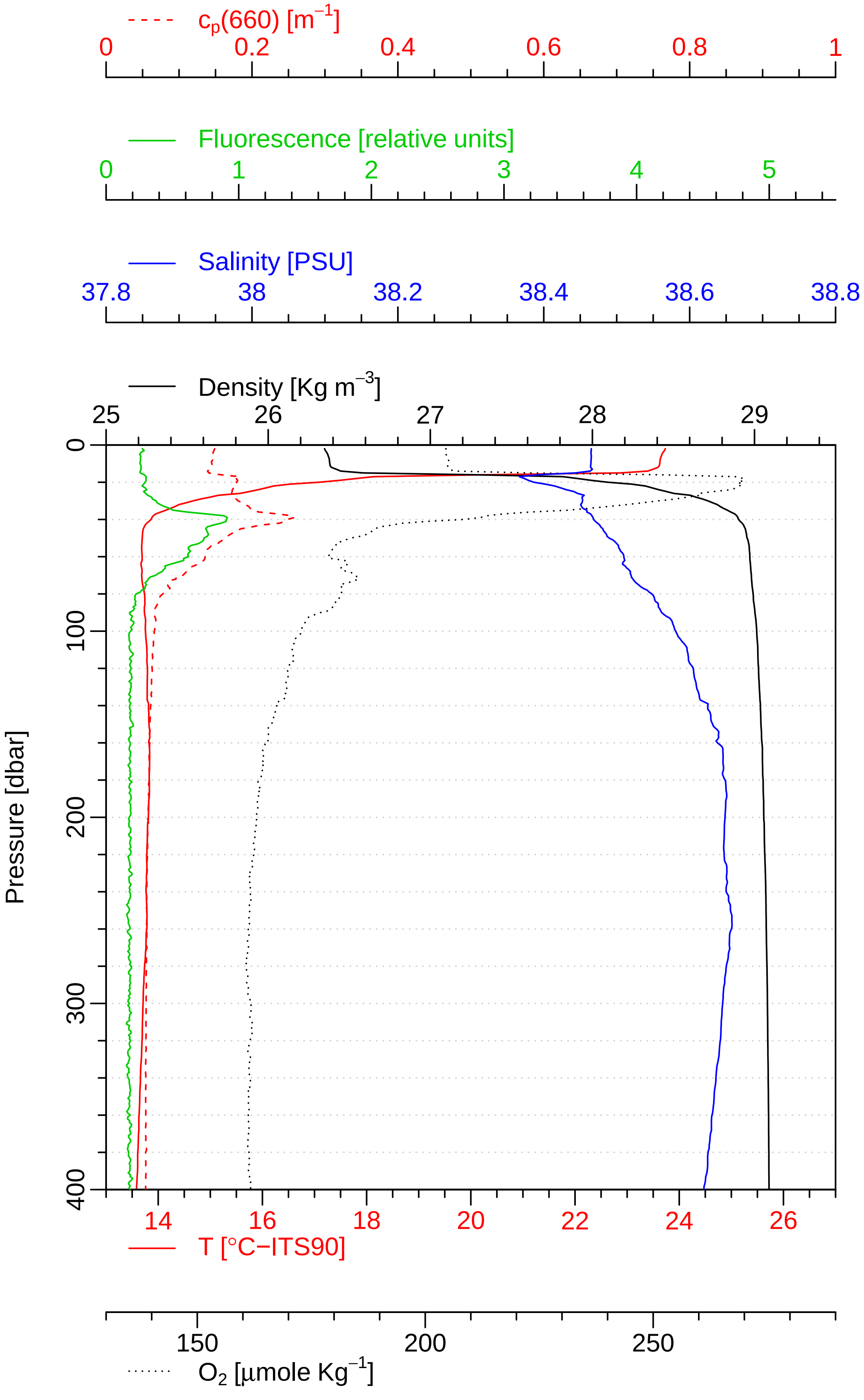




bous234_03
Date = 14/09/2021
Heure debut [TU] = 09:06
Longitude = 007 54.030 E
Latitude = 43 22.097 N
c_p(660) [m^{-1}]
0 0.2 0.4 0.6 0.8 1
Fluorescence [relative units]
0 1 2 3 4 5
Salinity [PSU]
37.8 38 38.2 38.4 38.6 38.8
Density [Kg m^{-3}]
25 26 27 28 29
Pressure [dbar]
0 100 200 300 400
14 16 18 20 22 24 26
T [°C−ITS90]
150 200 250
O_2 [µmole Kg^{-1}]

bous234_04

Date = 14/09/2021
Heure debut [TU] = 11:12
Longitude = 007 54.367 E
Latitude = 43 21.975 N



Date: 01/24/2022

Instrument configuration file: D:\Melek\boussole\Data\CTD\data&process\2021\B234\raw\BOUS234_01.XMLCON

Configuration report for SBE 911plus/917plus CTD

Frequency channels suppressed : 0
Voltage words suppressed : 1
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-Jun-21
G : 4.83714772e-003
H : 6.70524923e-004
I : 2.63336304e-005
J : 2.14843005e-006
F0 : 1000.000
Slope : 1.00000000
Offset : 0.0000

2) Frequency 1, Conductivity

Serial number : 2929
Calibrated on : 05-Mar-20
G : -1.05951733e+001
H : 1.41908901e+000
I : 7.59510042e-004
J : 2.04144674e-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 : -2.27039

AD590M : 1.280100e-002
AD590B : -9.240166e+000

4) Frequency 3, Temperature, 2

Serial number : 5545
Calibrated on : 11-Jul-18
G : 4.31331688e-003
H : 6.26102919e-004
I : 1.91674175e-005
J : 1.39951663e-006
F0 : 1000.000
Slope : 1.00000000
Offset : 0.0000

5) Frequency 4, Conductivity, 2

Serial number : 4097
Calibrated on : 29-Oct-19
G : -9.94156304e+000
H : 1.22604249e+000
I : -2.34562610e-003
J : 2.23476473e-004
CTcor : 3.2500e-006
CPcor : -9.57000000e-008
Slope : 1.00000000
Offset : 0.00000

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

Serial number : 0378
Calibrated on : 18-May-21
Equation : Sea-Bird
Soc : 3.60130e-001
Offset : -6.52900e-001
A : -4.74250e-003
B : 2.16910e-004
C : -3.37400e-006
E : 3.60000e-002
Tau20 : 1.21000e+000
D1 : 1.92634e-004
D2 : -4.64803e-002
H1 : -3.30000e-002
H2 : 5.00000e+003
H3 : 1.45000e+003

7) A/D voltage 1, Free

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

Serial number : 088-193
Calibrated on : 11-jul-2019
VB : 0.406700
V1 : 1.761800
Vacetone : 0.683330
Scale factor : 1.000000
Slope : 1.000000
Offset : -0.260000

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

Serial number : CST-887DR
Calibrated on : oct2019
M : 21.0776
B : -0.2951
Path length : 0.250

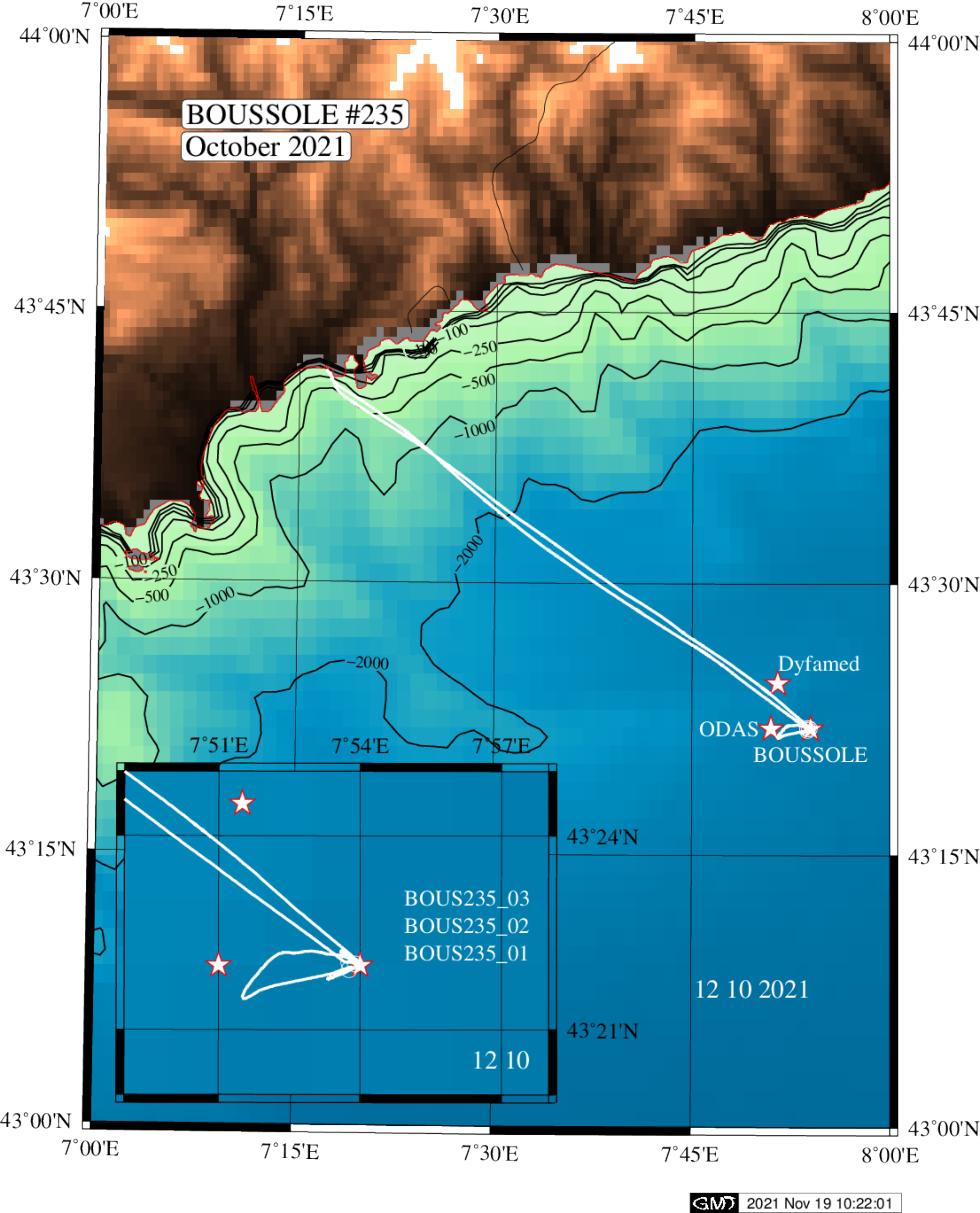
10) A/D voltage 4, User Polynomial

Serial number : 171
Calibrated on : 19May2014
Sensor name : RINKOIII_DO
A0 : 0.00000000
A1 : 1.00000000
A2 : 0.00000000
A3 : 0.00000000

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

Serial number : 171
Calibrated on : 12May2014
Sensor name : RINKOIII_Temp
A0 : -5.25367500
A1 : 16.66254000
A2 : -2.13105300
A3 : 0.45564880

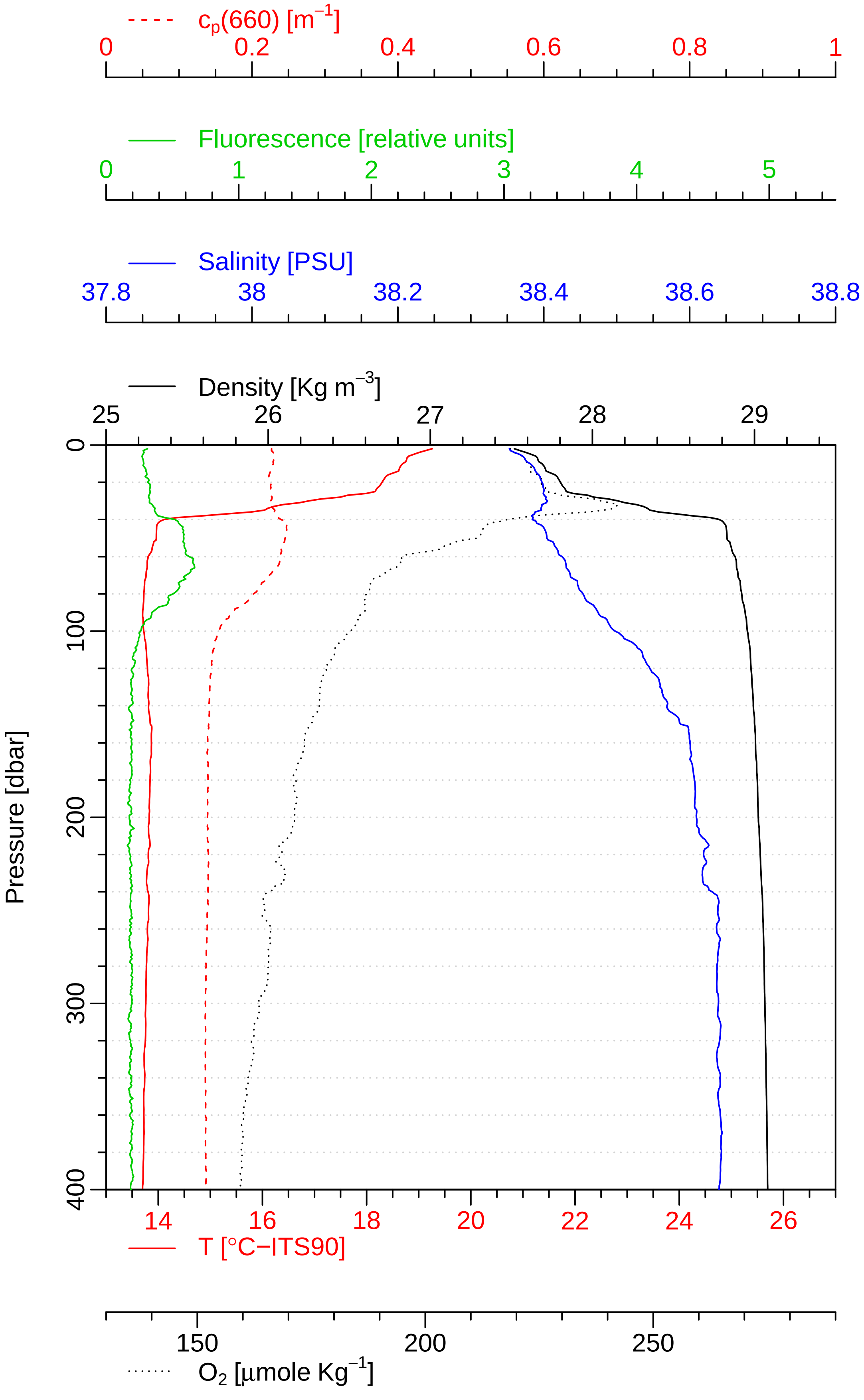
Scan length : 34



BOUSSOLE #235
October 2021
7°00'E
7°15'E
7°30'E
7°45'E
8°00'E
44°00'N
43°45'N
43°30'N
43°15'N
43°00'N
-100
-250
-500
-1000
-2000
Dyfamed
ODAS
BOUSSOLE
7°51'E
7°54'E
7°57'E
43°24'N
43°21'N
BOUS235_03
BOUS235_02
BOUS235_01
12 10
12 10 2021
GMT 2021 Nov 19 10:22:01

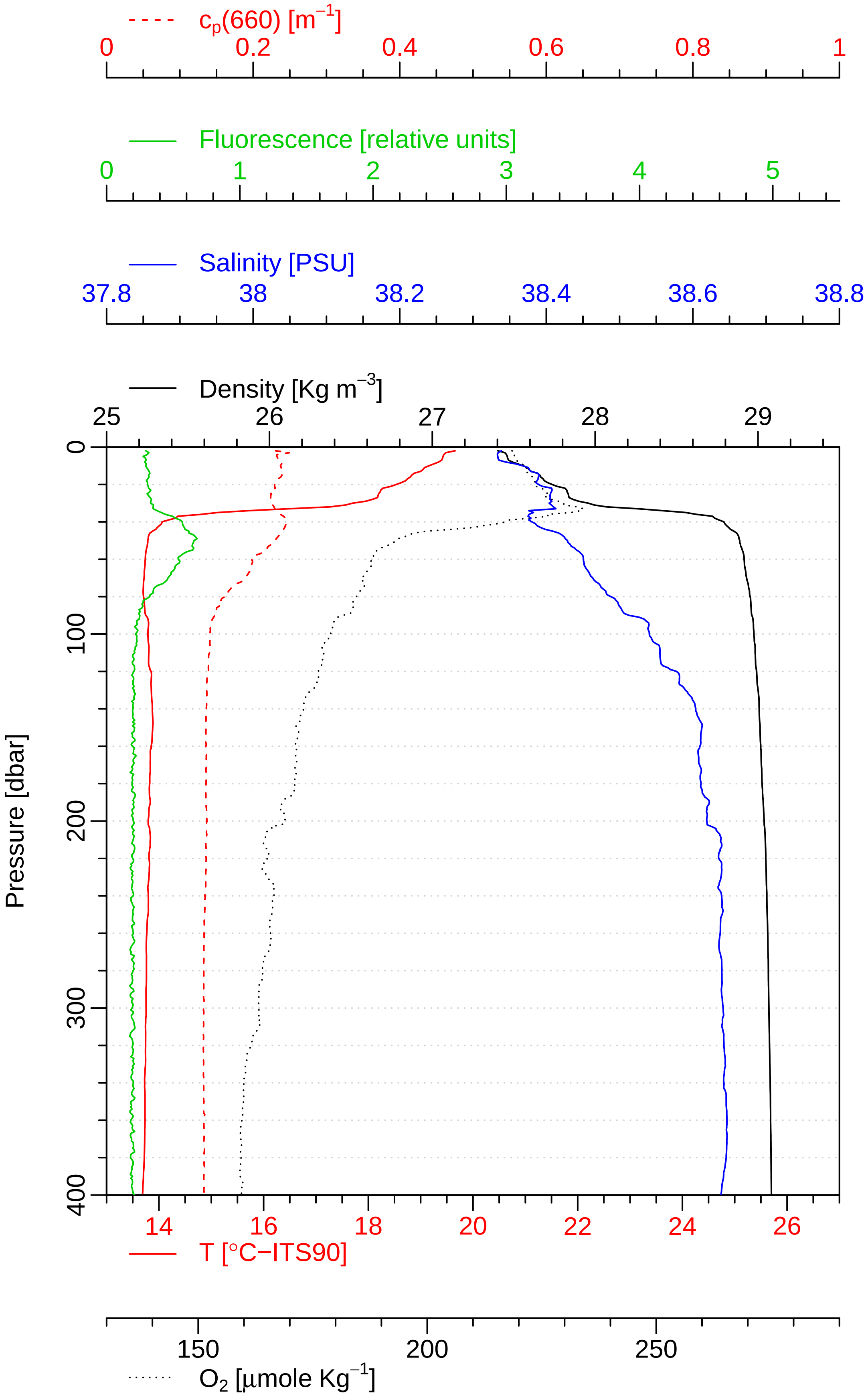
bous235_01

Date = 12/10/2021
Heure debut [TU] = 09:37
Longitude = 007 53.900 E
Latitude = 43 22.019 N



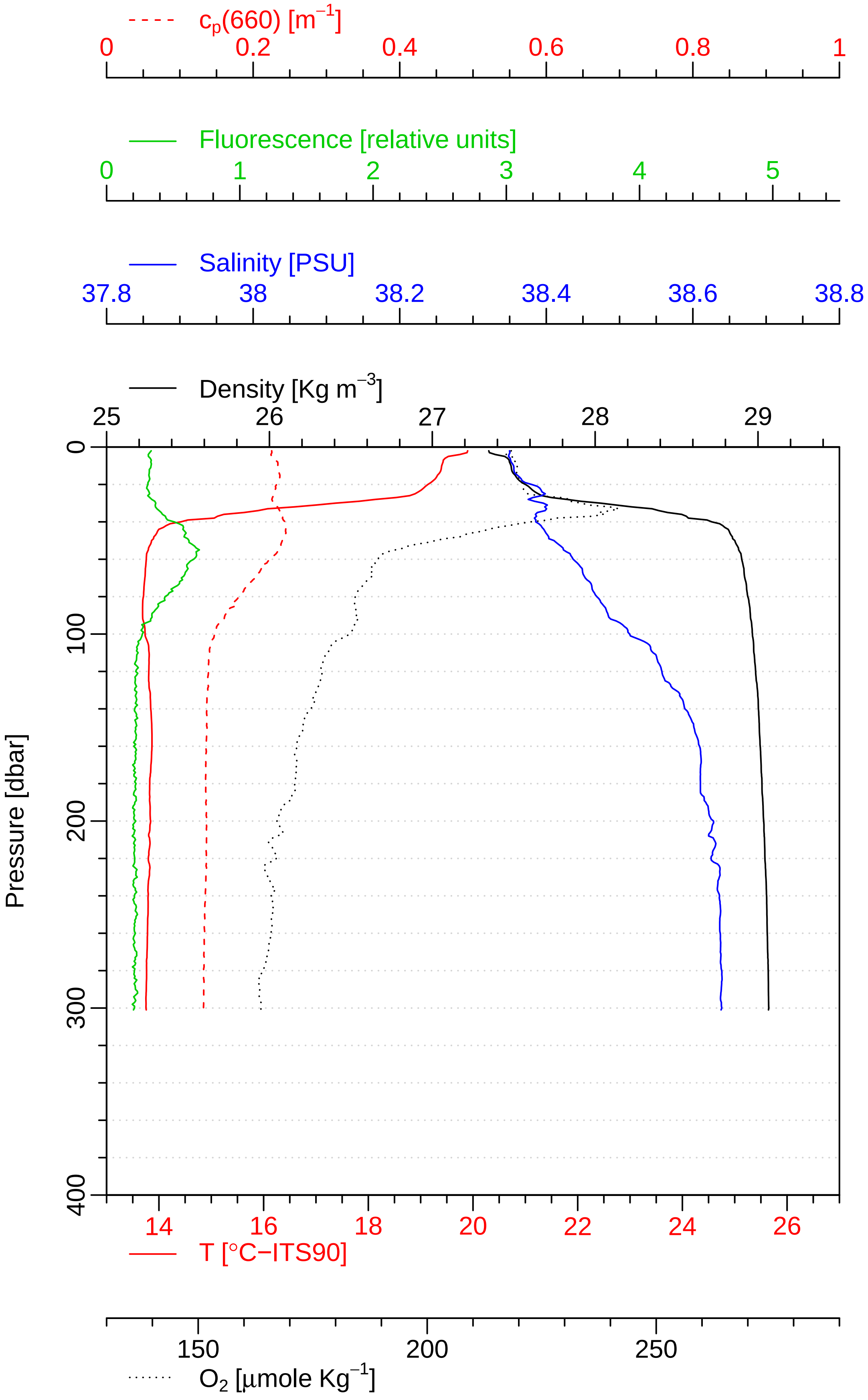
bous235_02

Date = 12/10/2021
Heure debut [TU] = 12:10
Longitude = 007 53.766 E
Latitude = 43 21.932 N



bous235_03

Date = 12/10/2021
Heure debut [TU] = 14:09
Longitude = 007 53.761 E
Latitude = 43 22.046 N



Date: 01/24/2022

Instrument configuration file: D:\Melek\boussole\Data\CTD\data&process\2021\B235\raw\BOUS235_01.XMLCON

Configuration report for SBE 911plus/917plus CTD

Frequency channels suppressed : 0
Voltage words suppressed : 1
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-Jun-21
G : 4.83714772e-003
H : 6.70524923e-004
I : 2.63336304e-005
J : 2.14843005e-006
F0 : 1000.000
Slope : 1.00000000
Offset : 0.0000

2) Frequency 1, Conductivity

Serial number : 2929
Calibrated on : 05-Mar-20
G : -1.05951733e+001
H : 1.41908901e+000
I : 7.59510042e-004
J : 2.04144674e-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 : -2.27039

AD590M : 1.280100e-002
AD590B : -9.240166e+000

4) Frequency 3, Temperature, 2

Serial number : 5545
Calibrated on : 11-Jul-18
G : 4.31331688e-003
H : 6.26102919e-004
I : 1.91674175e-005
J : 1.39951663e-006
F0 : 1000.000
Slope : 1.00000000
Offset : 0.0000

5) Frequency 4, Conductivity, 2

Serial number : 4097
Calibrated on : 29-Oct-19
G : -9.94156304e+000
H : 1.22604249e+000
I : -2.34562610e-003
J : 2.23476473e-004
CTcor : 3.2500e-006
CPcor : -9.57000000e-008
Slope : 1.00000000
Offset : 0.00000

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

Serial number : 0378
Calibrated on : 18-May-21
Equation : Sea-Bird
Soc : 3.60130e-001
Offset : -6.52900e-001
A : -4.74250e-003
B : 2.16910e-004
C : -3.37400e-006
E : 3.60000e-002
Tau20 : 1.21000e+000
D1 : 1.92634e-004
D2 : -4.64803e-002
H1 : -3.30000e-002
H2 : 5.00000e+003
H3 : 1.45000e+003

7) A/D voltage 1, Free

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

Serial number : 088-193
Calibrated on : 11-jul-2019
VB : 0.406700
V1 : 1.761800
Vacetone : 0.683330
Scale factor : 1.000000
Slope : 1.000000
Offset : -0.260000

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

Serial number : CST-887DR
Calibrated on : oct2019
M : 21.0776
B : -0.2951
Path length : 0.250

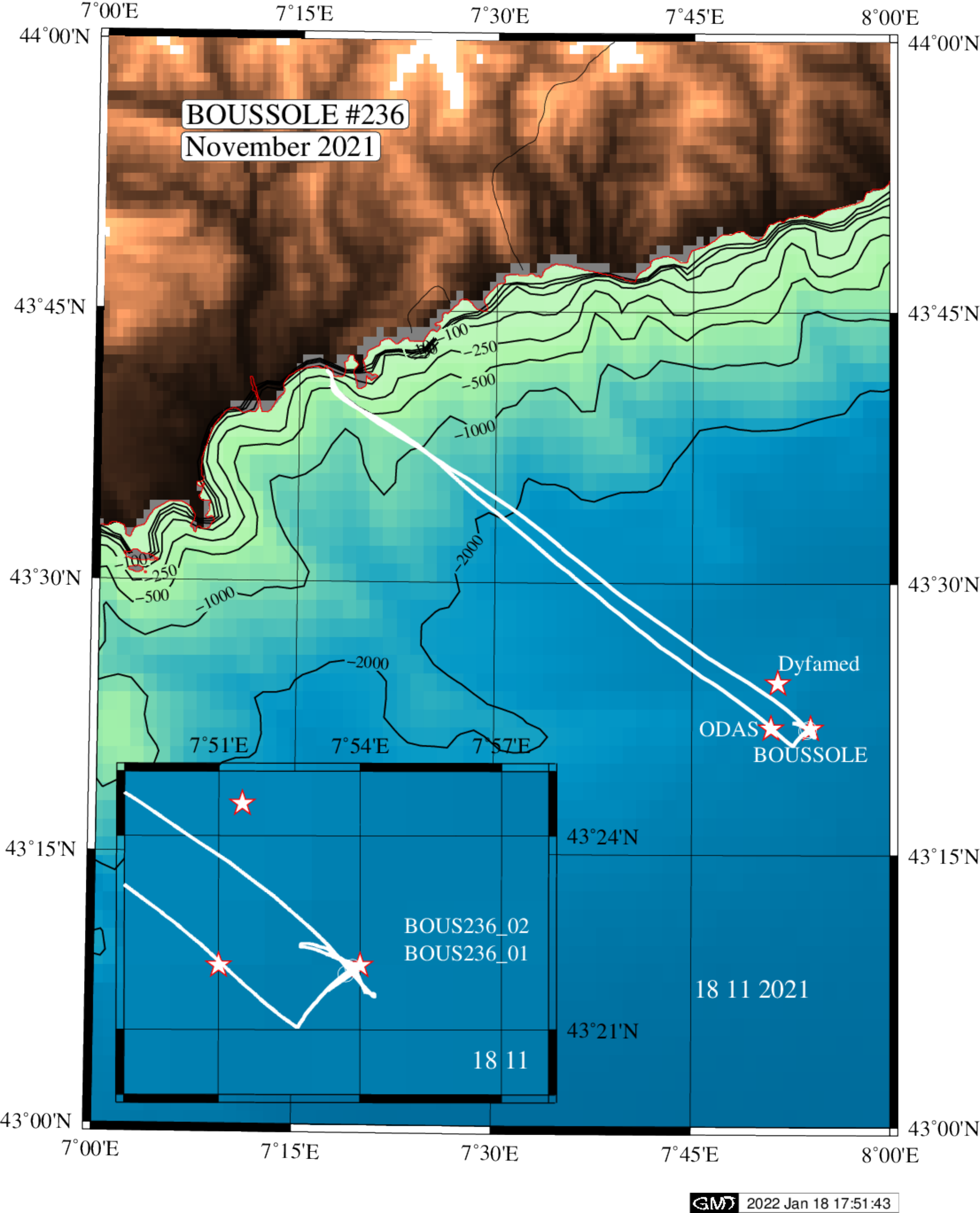
10) A/D voltage 4, User Polynomial

Serial number : 171
Calibrated on : 19May2014
Sensor name : RINKOIII_DO
A0 : 0.00000000
A1 : 1.00000000
A2 : 0.00000000
A3 : 0.00000000

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

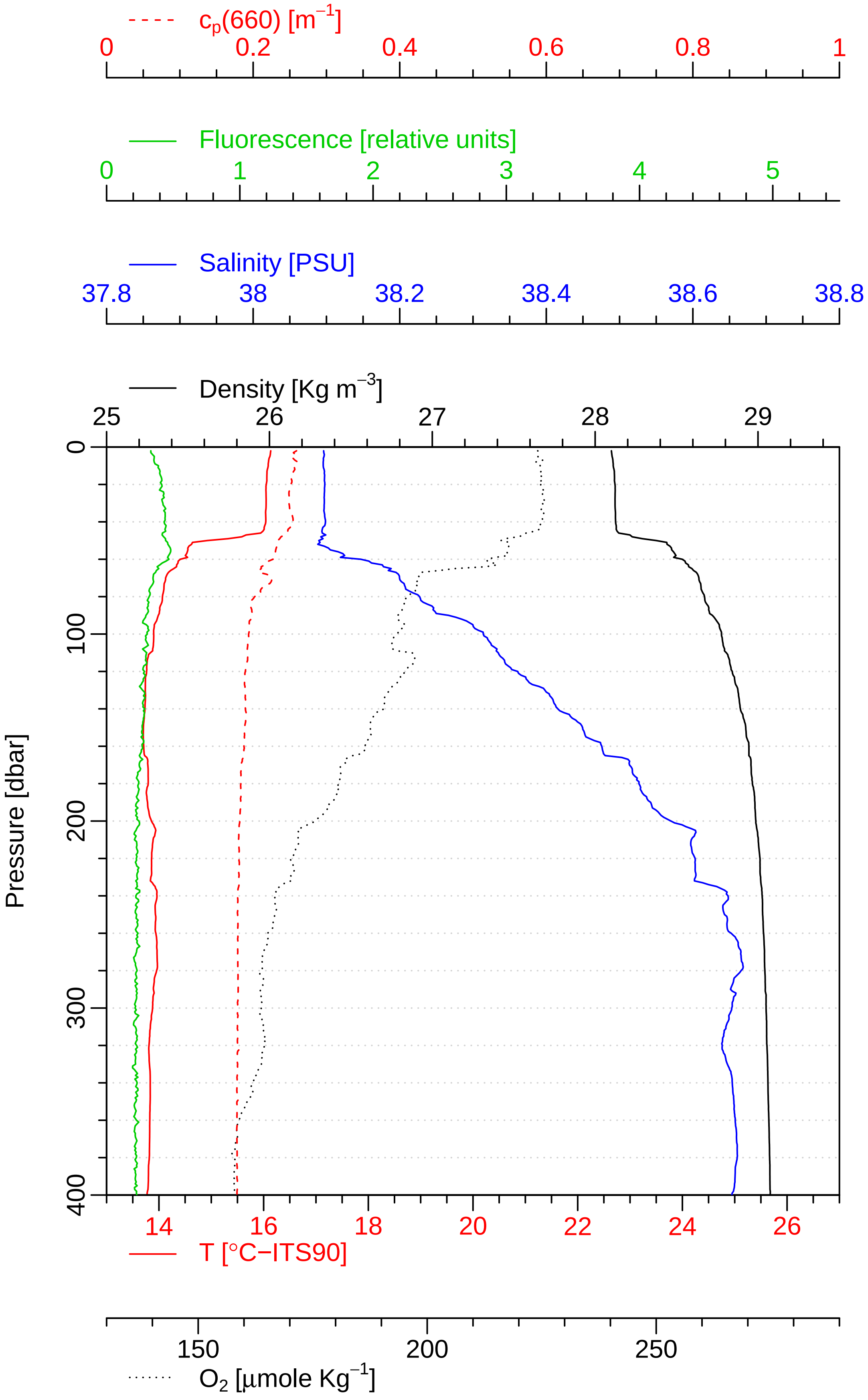
Serial number : 171
Calibrated on : 12May2014
Sensor name : RINKOIII_Temp
A0 : -5.25367500
A1 : 16.66254000
A2 : -2.13105300
A3 : 0.45564880

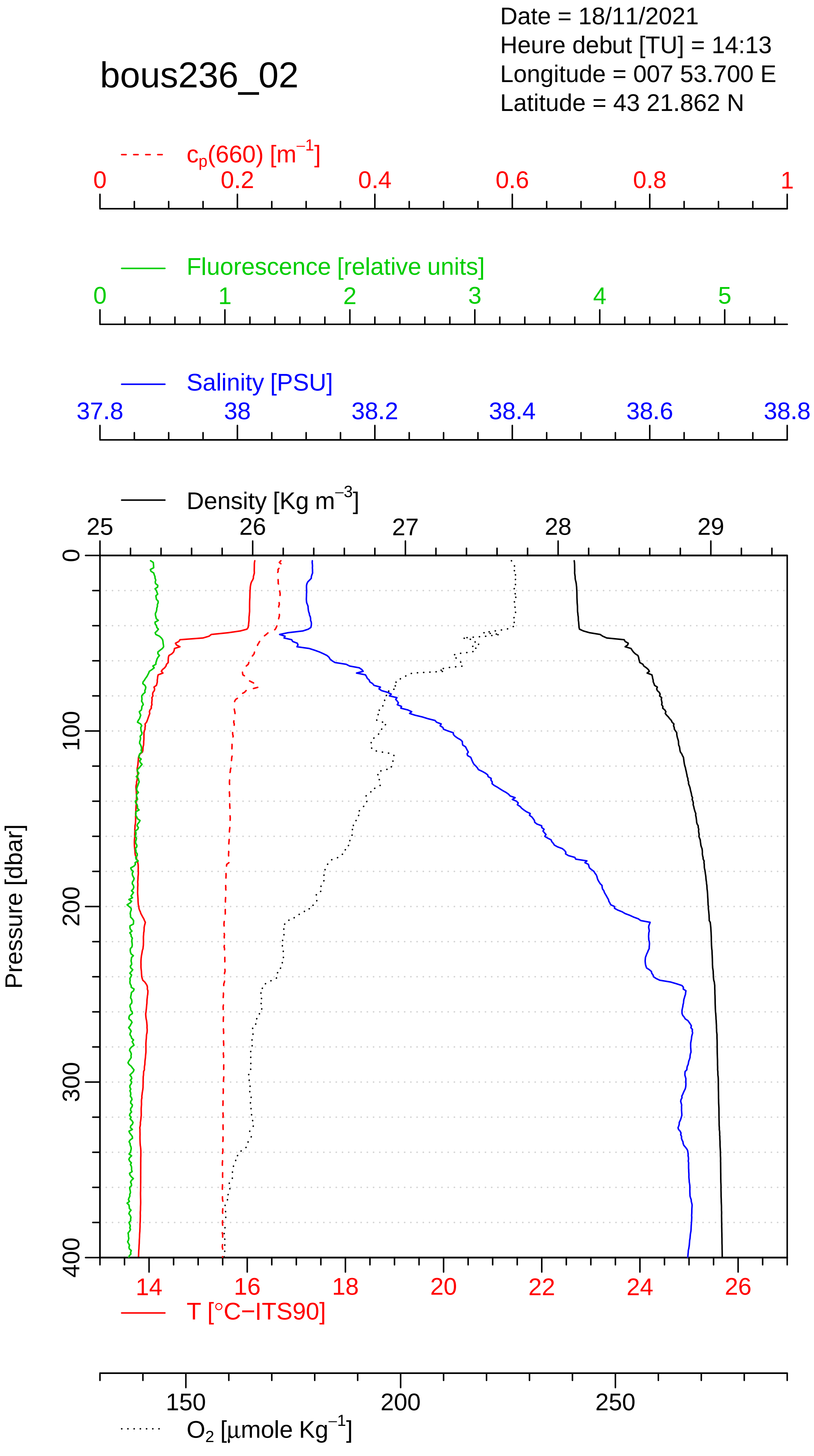
Scan length : 34


BOUSSOLE #236
November 2021
7°00'E
7°15'E
7°30'E
7°45'E
8°00'E
44°00'N
43°45'N
43°30'N
43°15'N
43°00'N
−100
−250
−500
−1000
−2000
Dyfamed
ODAS
BOUSSOLE
7°51'E
7°54'E
7°57'E
43°24'N
43°21'N
BOUS236_02
BOUS236_01
18 11
18 11 2021
GMT 2022 Jan 18 17:51:43

bous236_01

Date = 18/11/2021
Heure debut [TU] = 12:39
Longitude = 007 53.844 E
Latitude = 43 21.966 N





bous236_02
Date = 18/11/2021
Heure debut [TU] = 14:13
Longitude = 007 53.700 E
Latitude = 43 21.862 N
c_p(660) [m^{-1}]
0 0.2 0.4 0.6 0.8 1
Fluorescence [relative units]
0 1 2 3 4 5
Salinity [PSU]
37.8 38 38.2 38.4 38.6 38.8
Density [Kg m^{-3}]
25 26 27 28 29
Pressure [dbar]
0 100 200 300 400
14 16 18 20 22 24 26
T [°C−ITS90]
150 200 250
O_2 [µmole Kg^{-1}]

Date: 01/24/2022

Instrument configuration file: D:\Melek\boussole\Data\CTD\data&process\2021\B236\raw\BOUS236_01.XMLCON

Configuration report for SBE 911plus/917plus CTD

Frequency channels suppressed : 0
Voltage words suppressed : 1
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-Jun-21
G : 4.83714772e-003
H : 6.70524923e-004
I : 2.63336304e-005
J : 2.14843005e-006
F0 : 1000.000
Slope : 1.00000000
Offset : 0.0000

2) Frequency 1, Conductivity

Serial number : 2929
Calibrated on : 05-Mar-20
G : -1.05951733e+001
H : 1.41908901e+000
I : 7.59510042e-004
J : 2.04144674e-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 : -2.27039

AD590M : 1.280100e-002
AD590B : -9.240166e+000

4) Frequency 3, Temperature, 2

Serial number : 5545
Calibrated on : 11-Jul-18
G : 4.31331688e-003
H : 6.26102919e-004
I : 1.91674175e-005
J : 1.39951663e-006
F0 : 1000.000
Slope : 1.00000000
Offset : 0.0000

5) Frequency 4, Conductivity, 2

Serial number : 4097
Calibrated on : 29-Oct-19
G : -9.94156304e+000
H : 1.22604249e+000
I : -2.34562610e-003
J : 2.23476473e-004
CTcor : 3.2500e-006
CPcor : -9.57000000e-008
Slope : 1.00000000
Offset : 0.00000

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

Serial number : 0378
Calibrated on : 18-May-21
Equation : Sea-Bird
Soc : 3.60130e-001
Offset : -6.52900e-001
A : -4.74250e-003
B : 2.16910e-004
C : -3.37400e-006
E : 3.60000e-002
Tau20 : 1.21000e+000
D1 : 1.92634e-004
D2 : -4.64803e-002
H1 : -3.30000e-002
H2 : 5.00000e+003
H3 : 1.45000e+003

7) A/D voltage 1, Free

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

Serial number : 088-193
Calibrated on : 11-jul-2019
VB : 0.406700
V1 : 1.761800
Vacetone : 0.683330
Scale factor : 1.000000
Slope : 1.000000
Offset : -0.260000

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

Serial number : CST-887DR
Calibrated on : oct2019
M : 21.0776
B : -0.2951
Path length : 0.250

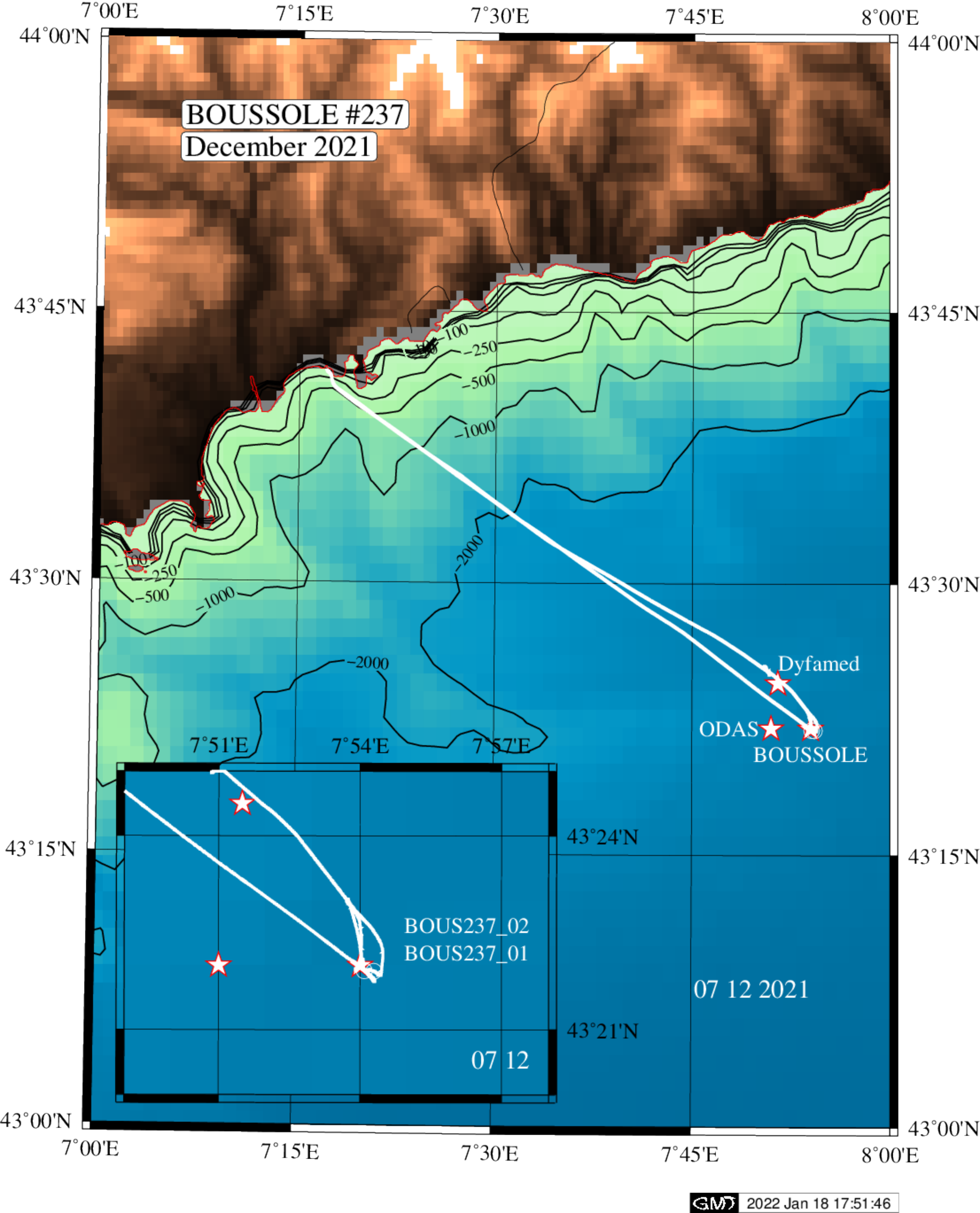
10) A/D voltage 4, User Polynomial

Serial number : 171
Calibrated on : 19May2014
Sensor name : RINKOIII_DO
A0 : 0.00000000
A1 : 1.00000000
A2 : 0.00000000
A3 : 0.00000000

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

Serial number : 171
Calibrated on : 12May2014
Sensor name : RINKOIII_Temp
A0 : -5.25367500
A1 : 16.66254000
A2 : -2.13105300
A3 : 0.45564880

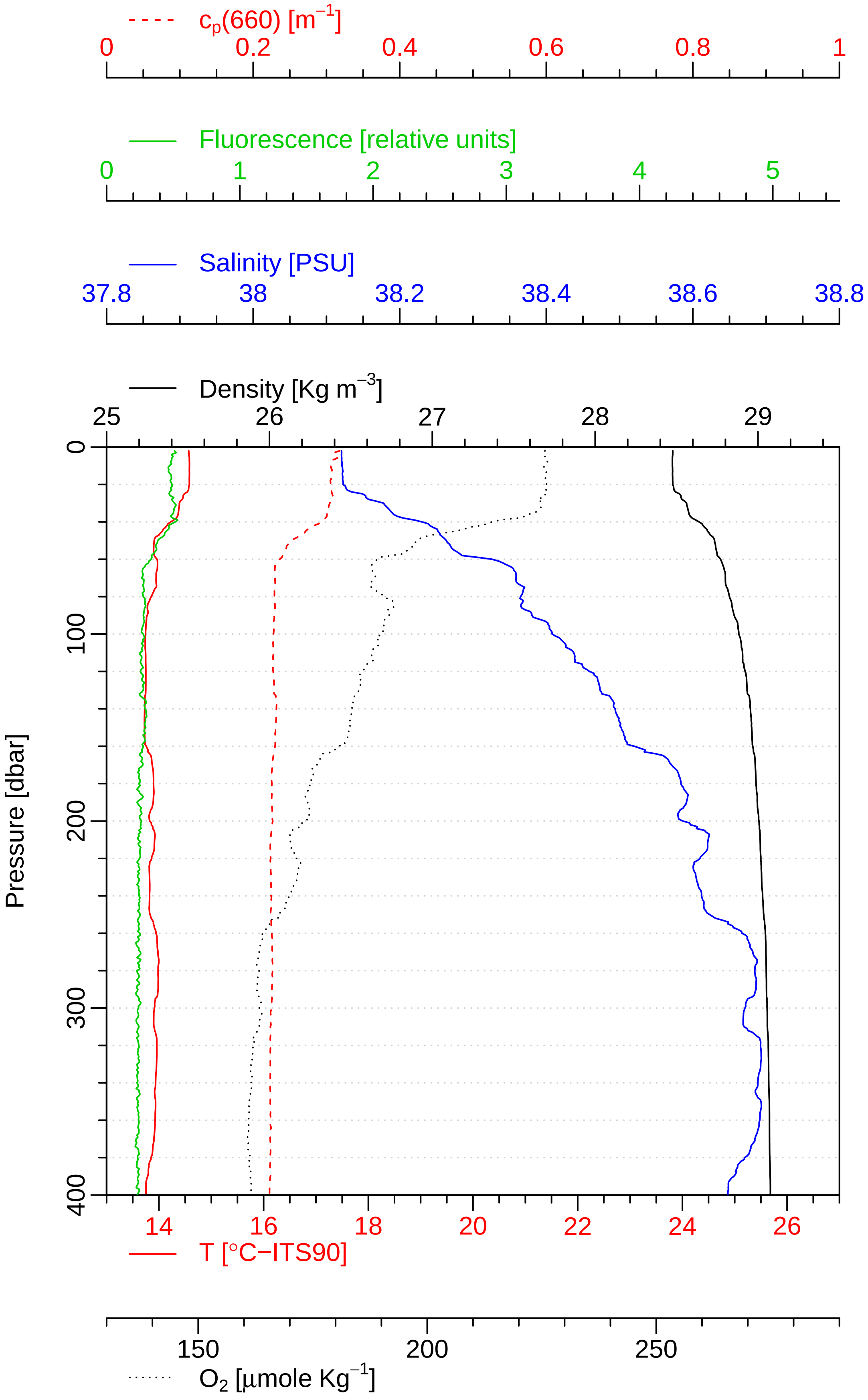
Scan length : 34



BOUSSOLE #237
December 2021
7°00'E
7°15'E
7°30'E
7°45'E
8°00'E
44°00'N
43°45'N
43°30'N
43°15'N
43°00'N
−100
−250
−500
−1000
−2000
Dyfamed
ODAS
BOUSSOLE
7°51'E
7°54'E
7°57'E
43°24'N
43°21'N
BOUS237_02
BOUS237_01
07 12
07 12 2021
2022 Jan 18 17:51:46

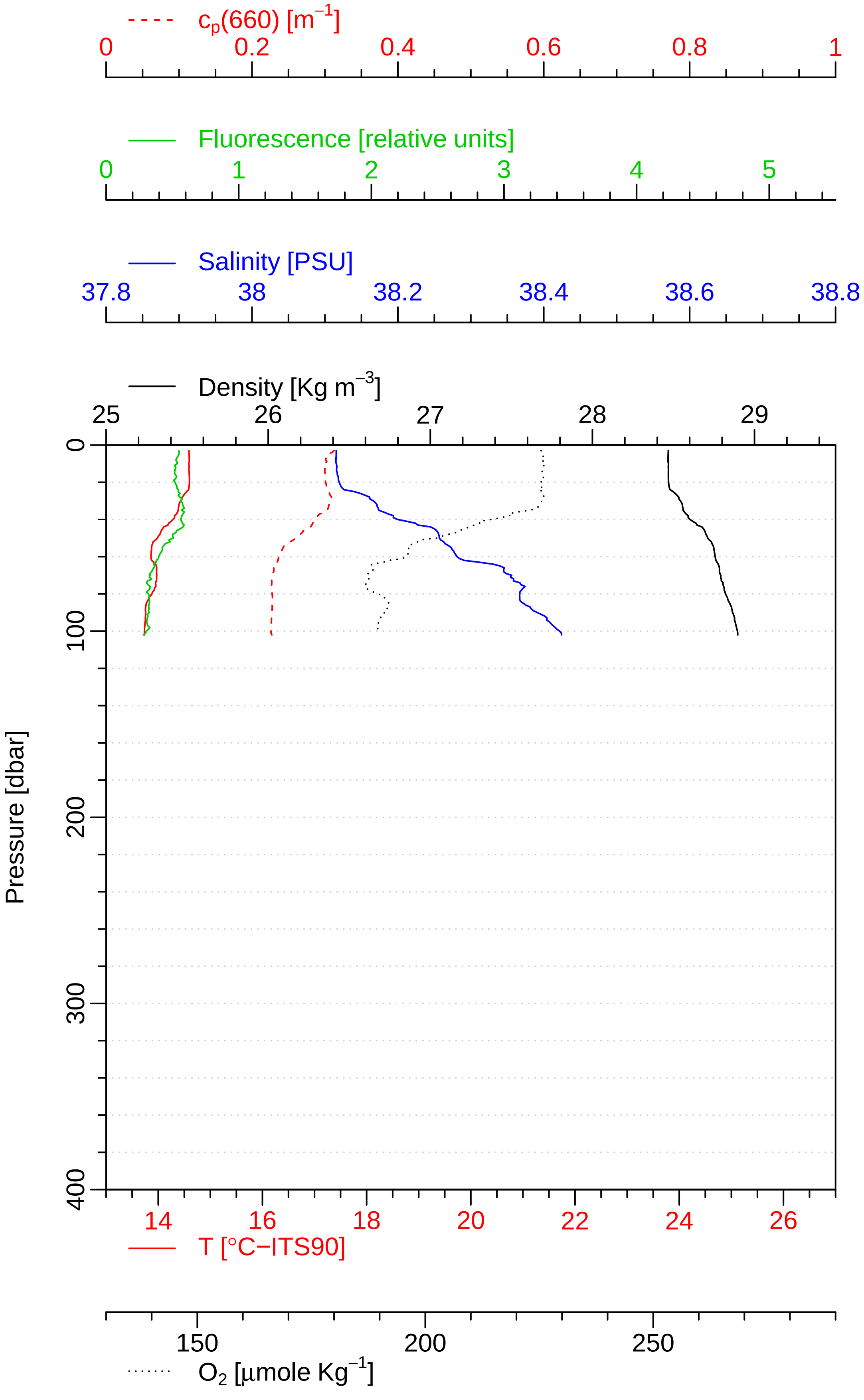
bous237_01

Date = 07/12/2021
Heure debut [TU] = 15:29
Longitude = 007 54.090 E
Latitude = 43 21.910 N



bous237_02

Date = 07/12/2021
Heure debut [TU] = 16:38
Longitude = 007 54.292 E
Latitude = 43 21.906 N



Date: 01/24/2022

Instrument configuration file: D:\Melek\boussole\Data\CTD\data&process\2021\B237\raw\BOUS237_01.XMLCON

Configuration report for SBE 911plus/917plus CTD

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Scans to average : 1
NMEA position data added : Yes
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I : 7.59510042e-004
J : 2.04144674e-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 : -2.27039

AD590M : 1.280100e-002
AD590B : -9.240166e+000

4) Frequency 3, Temperature, 2

Serial number : 5545
Calibrated on : 11-Jul-18
G : 4.31331688e-003
H : 6.26102919e-004
I : 1.91674175e-005
J : 1.39951663e-006
F0 : 1000.000
Slope : 1.00000000
Offset : 0.0000

5) Frequency 4, Conductivity, 2

Serial number : 4097
Calibrated on : 29-Oct-19
G : -9.94156304e+000
H : 1.22604249e+000
I : -2.34562610e-003
J : 2.23476473e-004
CTcor : 3.2500e-006
CPcor : -9.57000000e-008
Slope : 1.00000000
Offset : 0.00000

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Calibrated on : 18-May-21
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Soc : 3.60130e-001
Offset : -6.52900e-001
A : -4.74250e-003
B : 2.16910e-004
C : -3.37400e-006
E : 3.60000e-002
Tau20 : 1.21000e+000
D1 : 1.92634e-004
D2 : -4.64803e-002
H1 : -3.30000e-002
H2 : 5.00000e+003
H3 : 1.45000e+003

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Path length : 0.250

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Sensor name : RINKOIII_DO
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A2 : 0.00000000
A3 : 0.00000000

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

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Calibrated on : 12May2014
Sensor name : RINKOIII_Temp
A0 : -5.25367500
A1 : 16.66254000
A2 : -2.13105300
A3 : 0.45564880

Scan length : 34