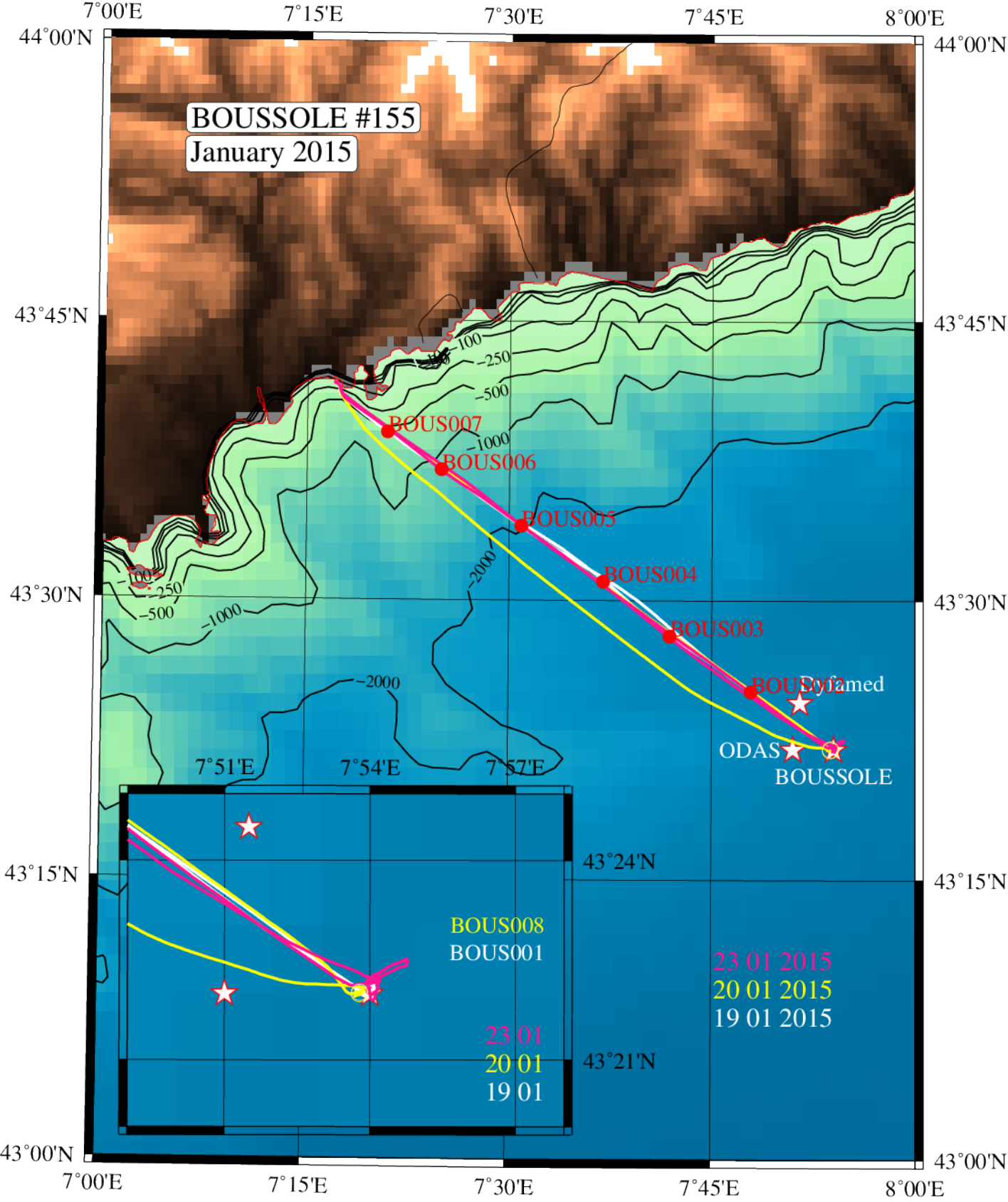
BOUSSOLE PROJECT

CTD Data catalogue for 2015

Cruise 155 to cruise 166

CTD Rosette on the deck of the *R/V Tethys II*. In the background, a *Tethys-II* crew member on the dinghy and V.Vellucci on the BOUSSOLE buoy for downloading data.

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



GMT 2017 Apr 25 08:38:16

Date: 08/03/2017

Instrument configuration file: C:\boussole\Data\CTD\2015\janv2015\ctd\raw\BOUS001.XMLCON

Configuration report for SBE 911plus/917plus CTD

```
Frequency channels suppressed : 2
Voltage words suppressed      : 1
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 : 1378
   Calibrated on : 01-May-14
   G             : 4.87129842e-003
   H             : 6.79847310e-004
   I             : 2.74271354e-005
   J             : 2.21364376e-006
   F0            : 1000.000
   Slope         : 1.00000000
   Offset        : 0.0000
```

2) Frequency 1, Conductivity

```
   Serial number : 2929
   Calibrated on : 06-May-14
   G             : -1.06059420e+001
   H             : 1.42246367e+000
   I             : -1.04093771e-004
   J             : 7.68097949e-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
   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        : -0.27039
   AD590M        : 1.280100e-002
   AD590B        : -9.240166e+000
```

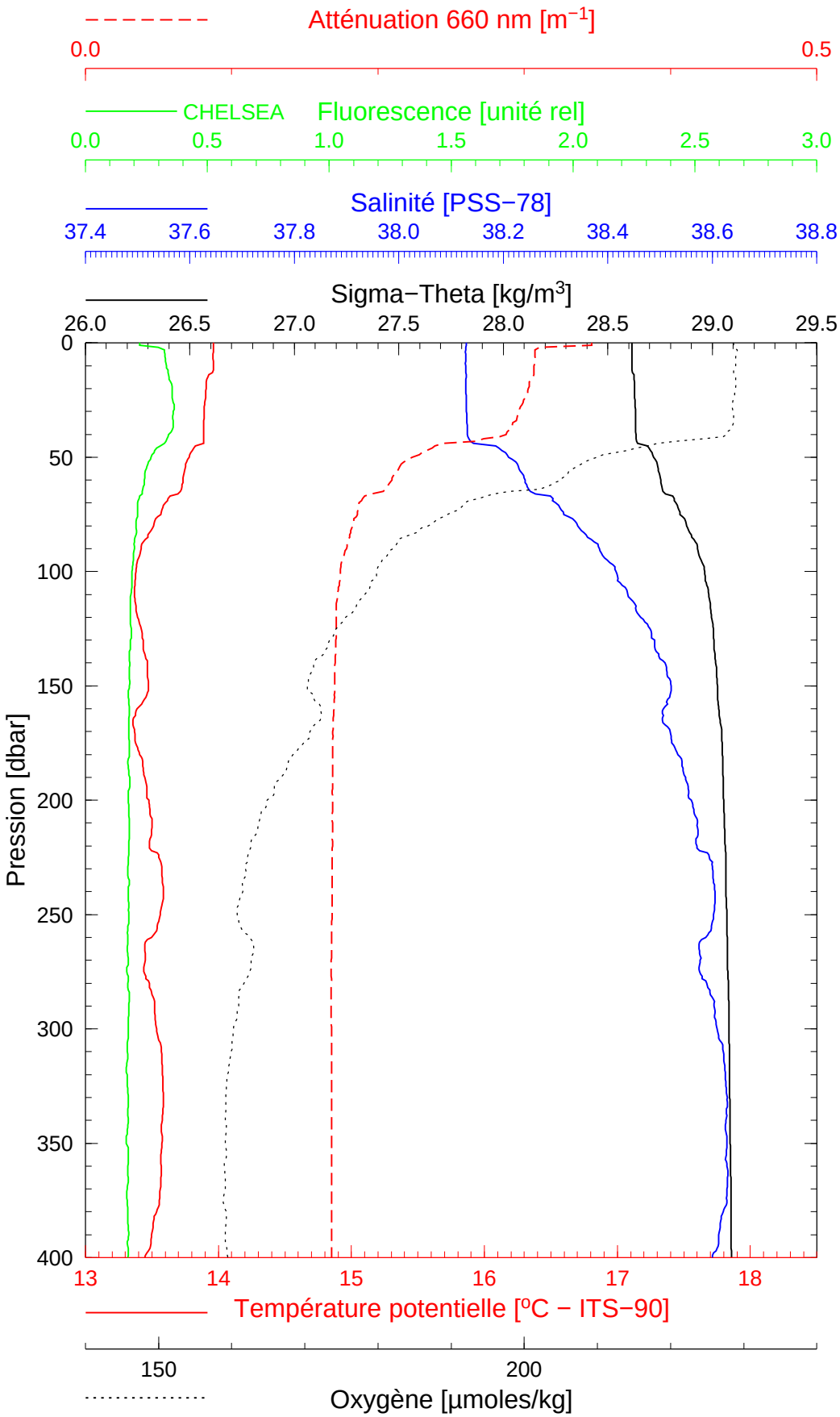
4) A/D voltage 0, Oxygen, SBE 43

```
   Serial number : 0378
   Calibrated on : 23-May-14
   Equation      : Sea-Bird
   Soc           : 3.63660e-001
   Offset        : -6.58900e-001
   A             : -3.40840e-003
   B             : 1.71230e-004
   C             : -3.00650e-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

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 : 17-Feb-2012
   M             : 21.5054
   B             : -1.2473
   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

Scan length                   : 21
```

BOUSSOLE 155 **19/01/2015** **BOUS150119_01**

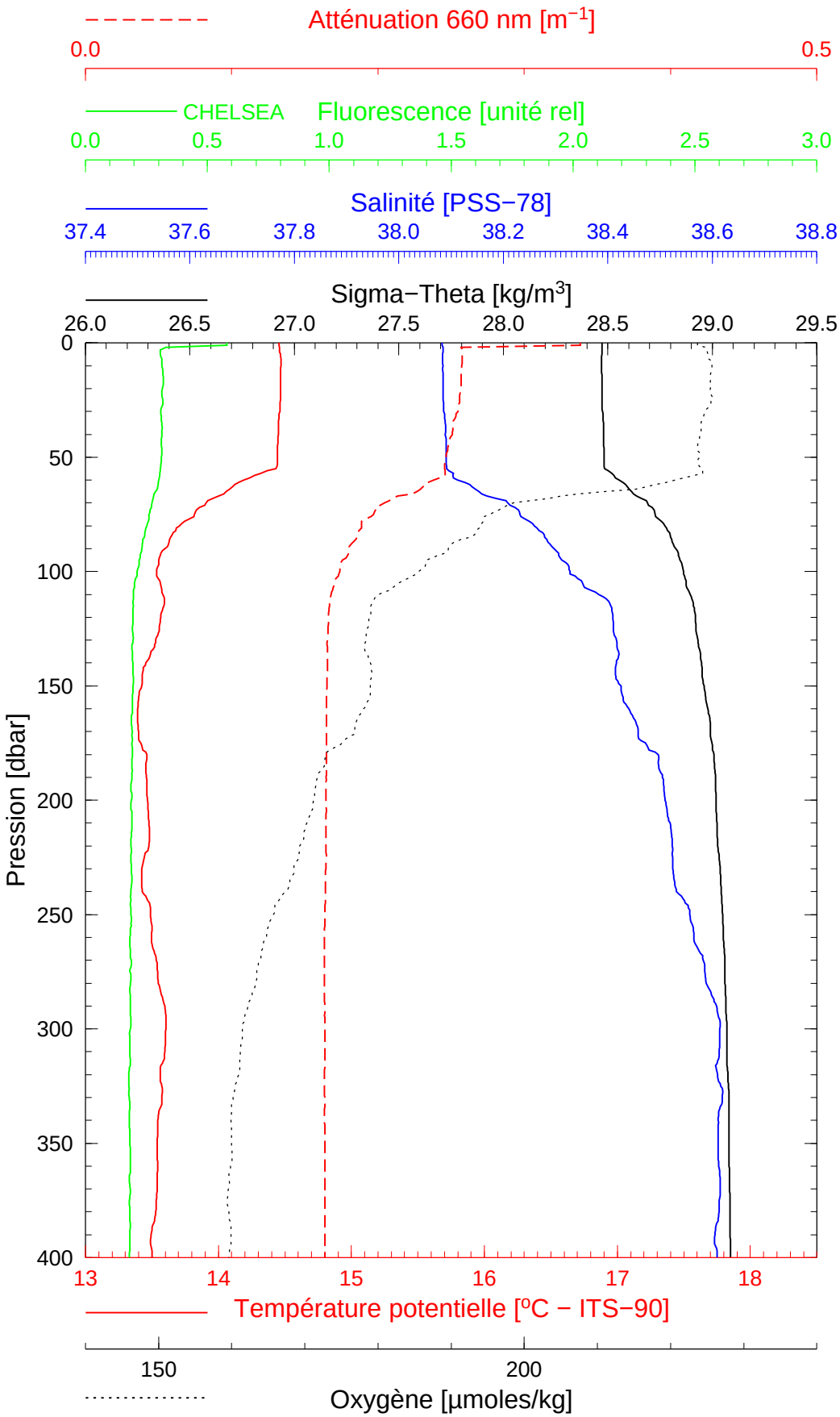
BOUS001



Date	*19/01/2015*	*Latitude*	*43°22.014 N*
Heure déb	*13h 21min [TU]*	*Longitude*	*07°53.784 E*

BOUSSOLE 155 **19/01/2015** **BOUS150119_02**

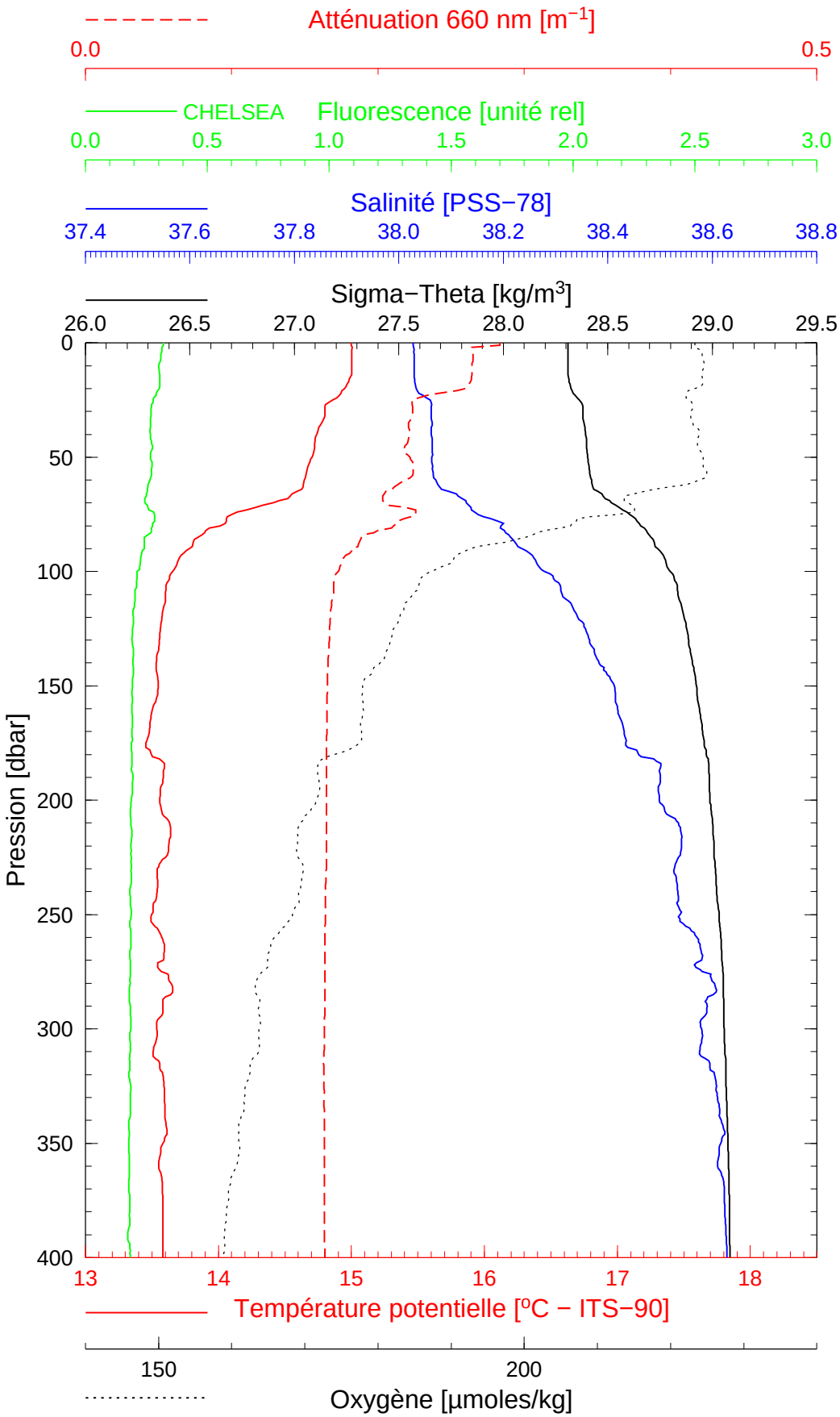
BOUS002



Date	*19/01/2015*	*Latitude*	*43°25.099 N*
Heure déb	*14h 54min [TU]*	*Longitude*	*07°47.895 E*

BOUSSOLE 155 **19/01/2015** **BOUS150119_03**

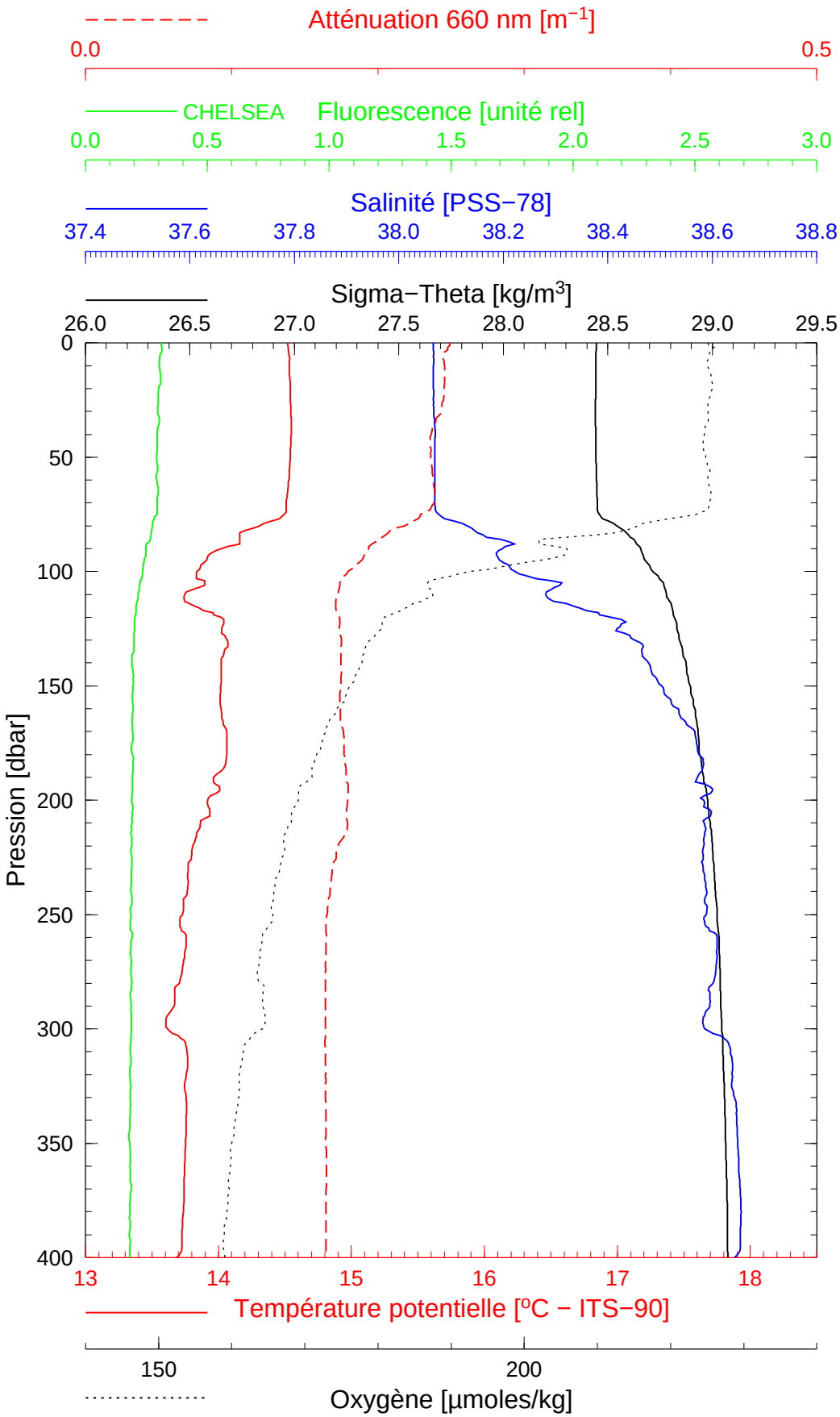
BOUS003



Date	*19/01/2015*	*Latitude*	*43°28.076 N*
Heure déb	*15h 52min [TU]*	*Longitude*	*07°41.893 E*

BOUSSOLE 155 **19/01/2015** **BOUS150119_04**

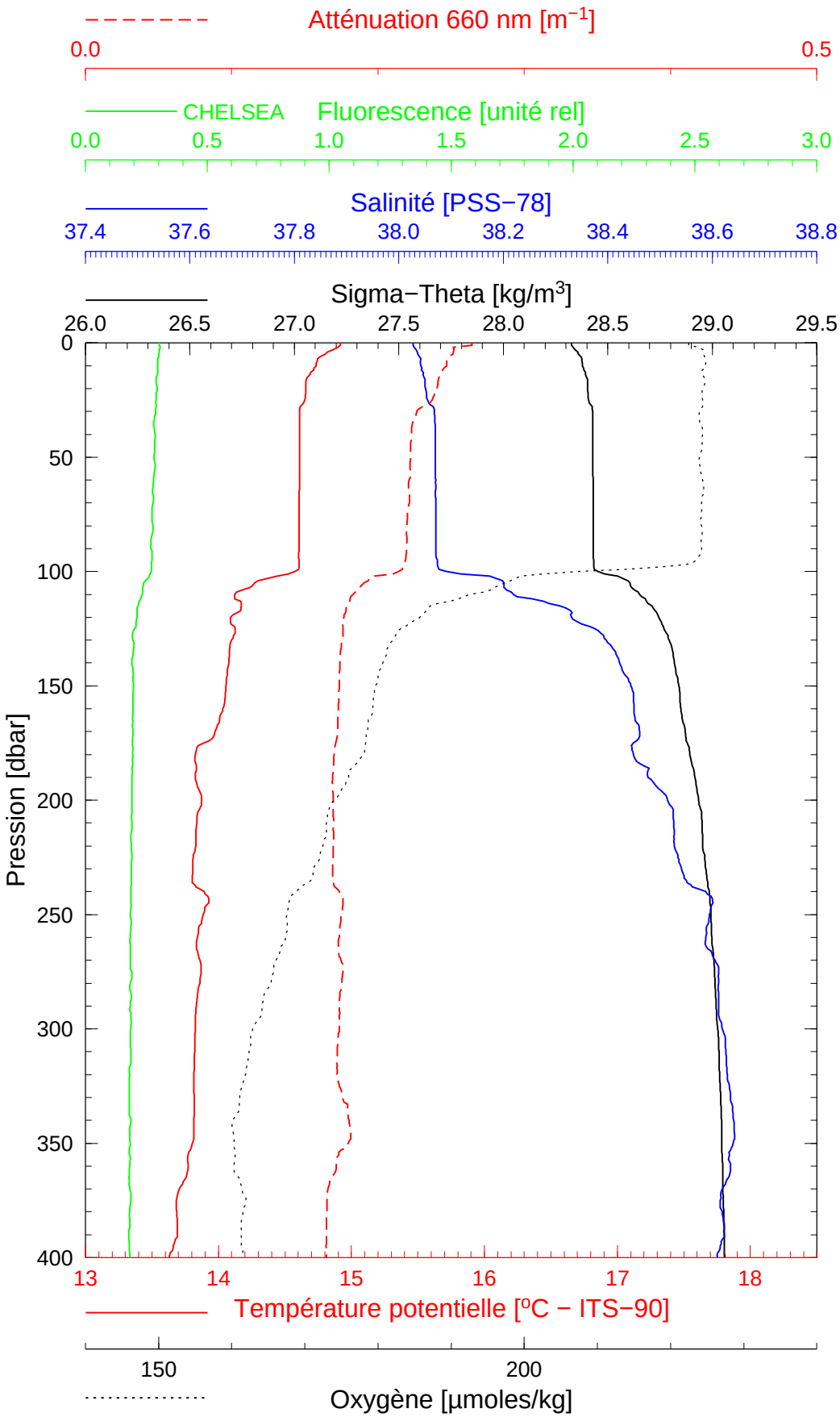
BOUS004



Date	*19/01/2015*	*Latitude*	*43°31.013 N*
Heure déb	*16h 45min [TU]*	*Longitude*	*07°36.964 E*

BOUSSOLE 155 **19/01/2015** **BOUS150119_05**

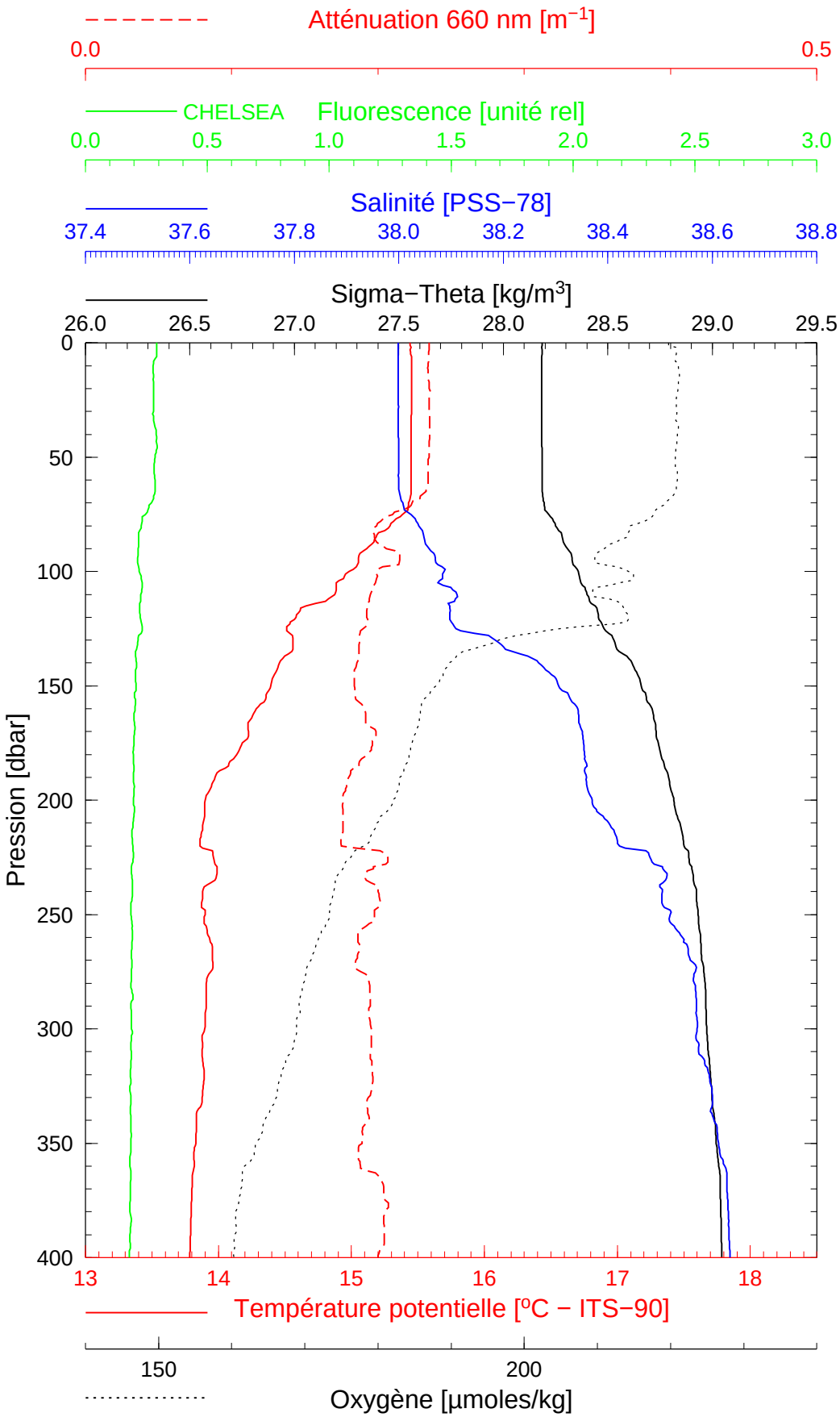
BOUS005



Date	*19/01/2015*	*Latitude*	*43°33.988 N*
Heure déb	*17h 45min [TU]*	*Longitude*	*07°30.908 E*

BOUSSOLE 155 **19/01/2015** **BOUS150119_06**

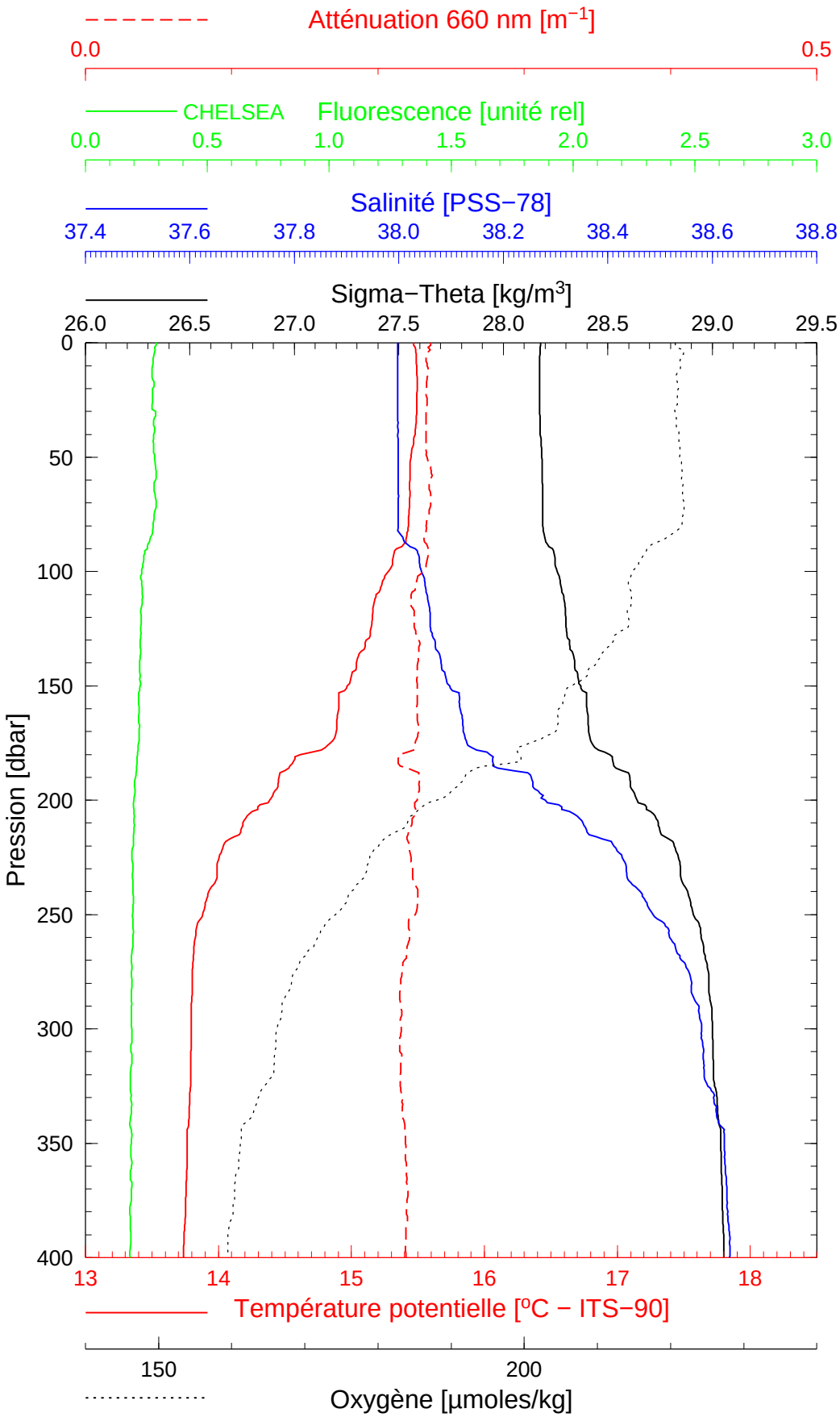
BOUS006



Date	*19/01/2015*	*Latitude*	*43°36.992 N*
Heure déb	*18h 44min [TU]*	*Longitude*	*07°24.955 E*

BOUSSOLE 155 **19/01/2015** **BOUS150119_07**

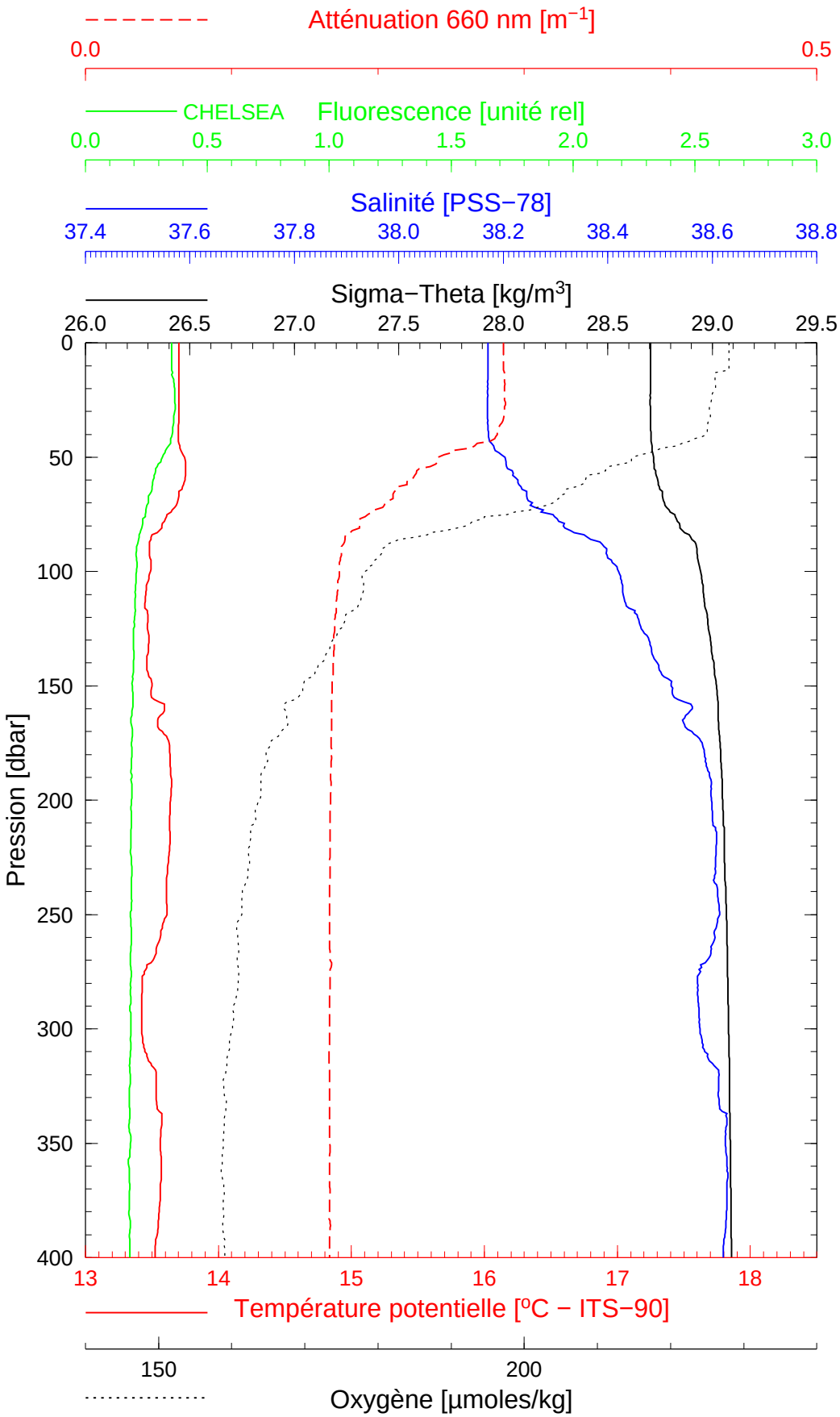
BOUS007



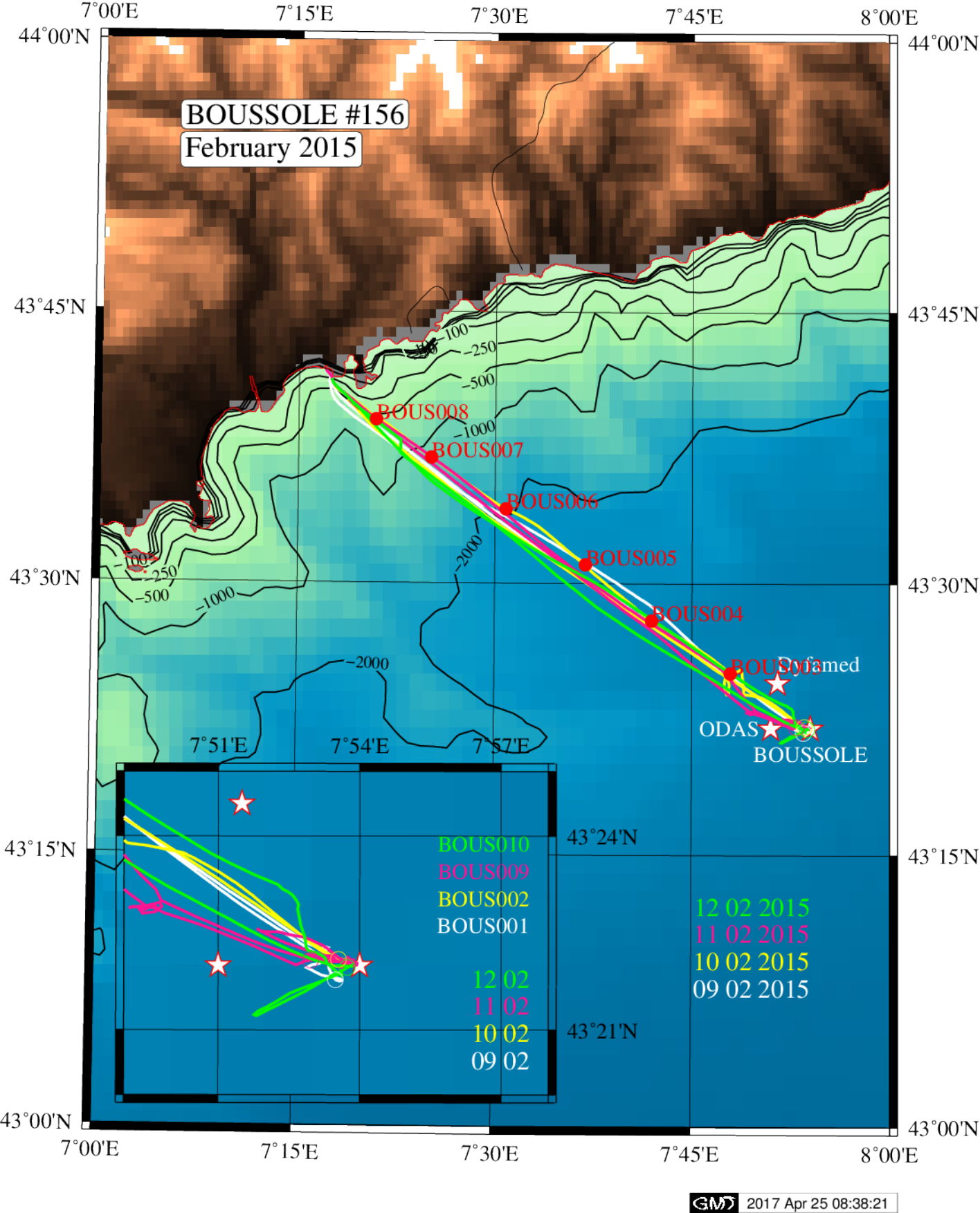
Date	*19/01/2015*	*Latitude*	*43°38.994 N*
Heure déb	*19h 35min [TU]*	*Longitude*	*07°20.938 E*

BOUSSOLE 155 **20/01/2015** **BOUS150120_01**

BOUS008



Date	*20/01/2015*	*Latitude*	*43°21.994 N*
Heure déb	*10h 40min [TU]*	*Longitude*	*07°53.783 E*


BOUSSOLE #156
February 2015
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
BOUS008
BOUS007
BOUS006
BOUS005
BOUS004
BOUS003
Dufamed
ODAS
BOUSSOLE
-100
-250
-500
-1000
-2000
7°51'E
7°54'E
7°57'E
43°24'N
43°21'N
BOUS010
BOUS009
BOUS002
BOUS001
12 02
11 02
10 02
09 02
12 02 2015
11 02 2015
10 02 2015
09 02 2015
GMT 2017 Apr 25 08:38:21

Date: 08/03/2017

Instrument configuration file: C:\boussole\Data\CTD\2015\fev2015\ctd\boussole_fev2015.xmlcon

Configuration report for SBE 911plus/917plus CTD

```
Frequency channels suppressed : 2
Voltage words suppressed      : 1
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 : 1378
   Calibrated on : 01-May-14
   G             : 4.87129842e-003
   H             : 6.79847310e-004
   I             : 2.74271354e-005
   J             : 2.21364376e-006
   F0            : 1000.000
   Slope         : 1.00000000
   Offset        : 0.0000
```

2) Frequency 1, Conductivity

```
   Serial number : 2929
   Calibrated on : 06-May-14
   G             : -1.06059420e+001
   H             : 1.42246367e+000
   I             : -1.04093771e-004
   J             : 7.68097949e-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
   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        : -0.27039
   AD590M        : 1.280100e-002
   AD590B        : -9.240166e+000
```

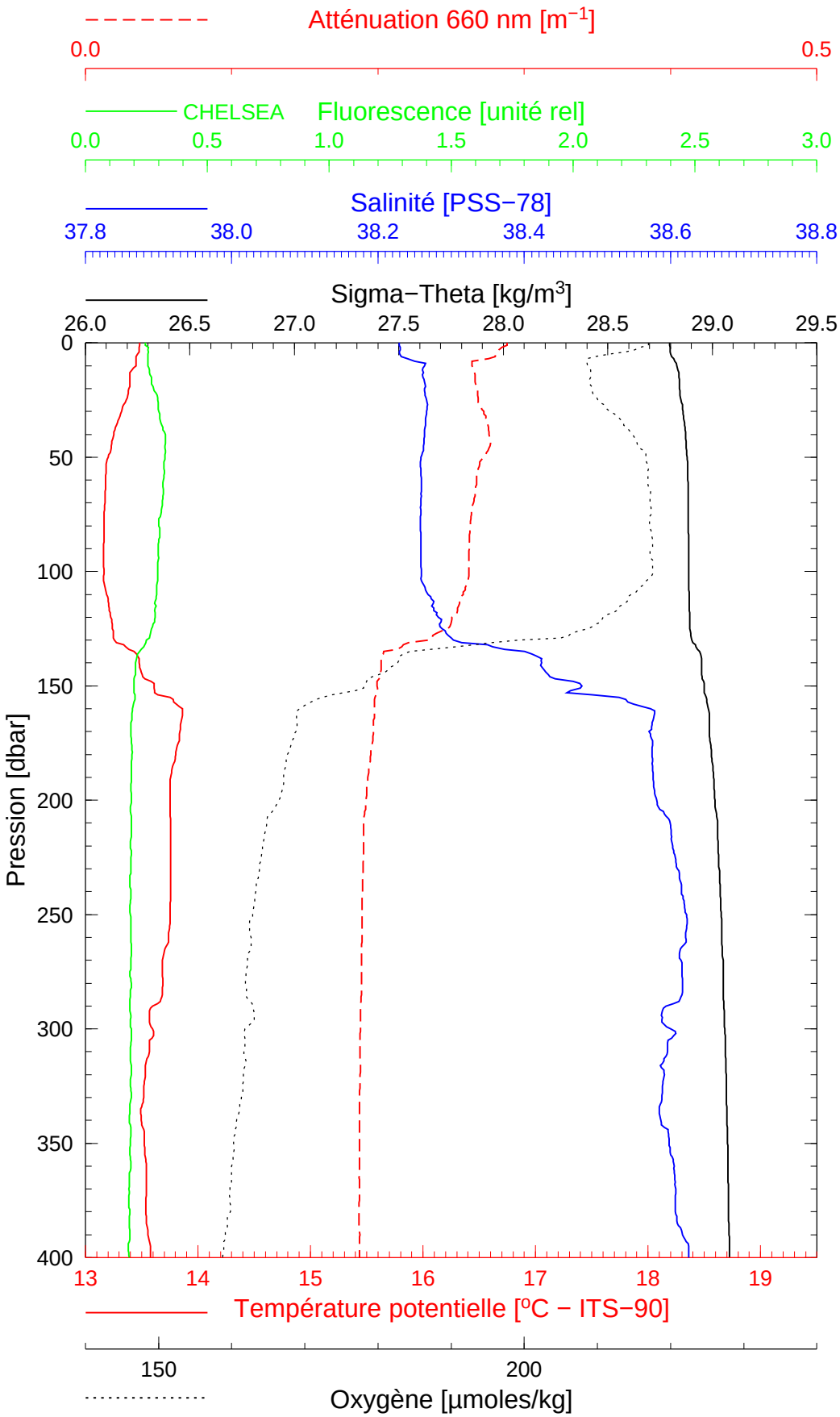
4) A/D voltage 0, Oxygen, SBE 43

```
   Serial number : 0378
   Calibrated on : 23-May-14
   Equation      : Sea-Bird
   Soc           : 3.63660e-001
   Offset        : -6.58900e-001
   A             : -3.40840e-003
   B             : 1.71230e-004
   C             : -3.00650e-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

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 : 17-Feb-2012
   M             : 21.5054
   B             : -1.2473
   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

Scan length                   : 21
```

BOUSSOLE 156 **09/02/2015** **BOUS150209_01**

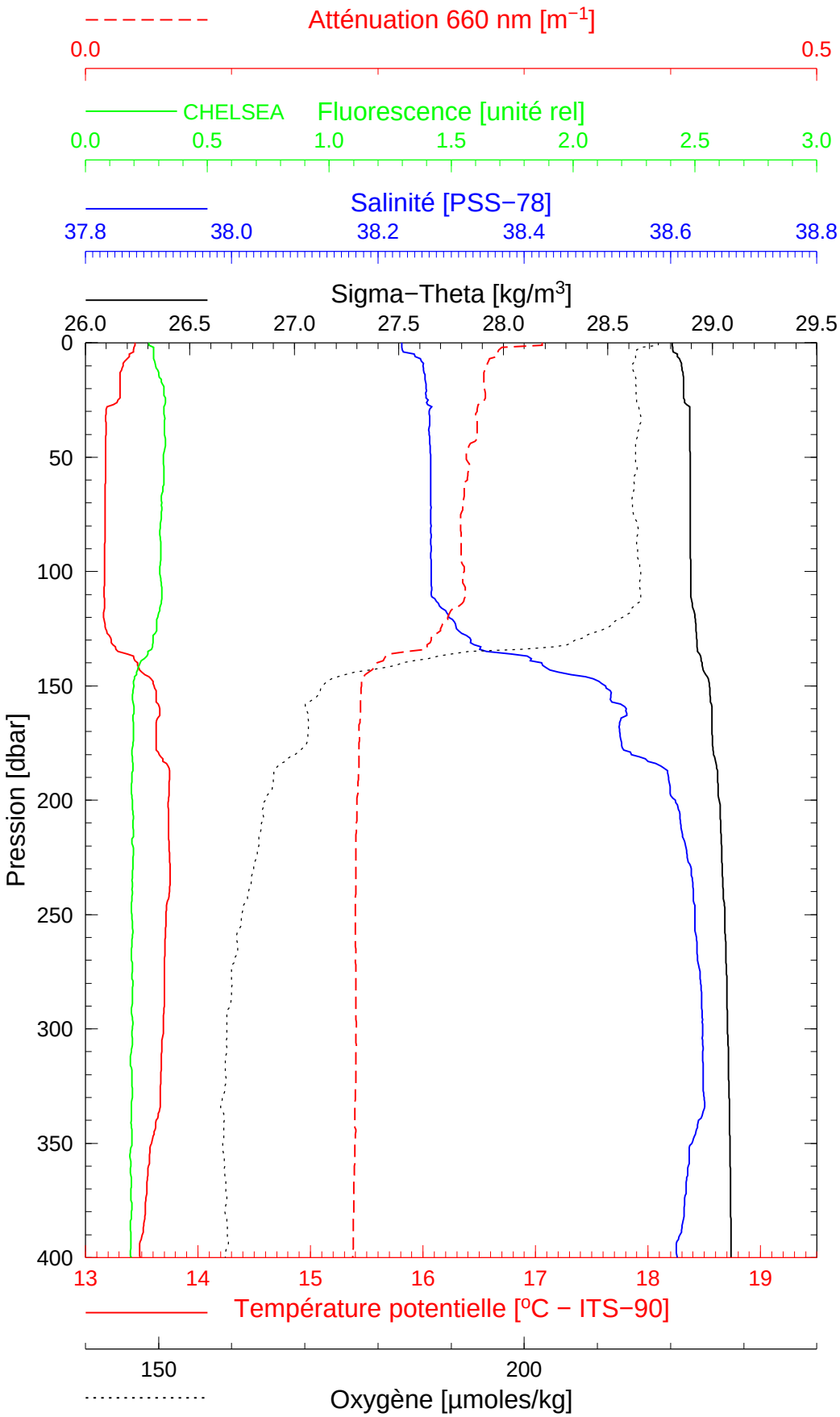
BOUS001



Date	*09/02/2015*	*Latitude*	*43°21.777 N*
Heure déb	*12h 47min [TU]*	*Longitude*	*07°53.487 E*

BOUSSOLE 156 **10/02/2015** **BOUS150210_01**

BOUS002

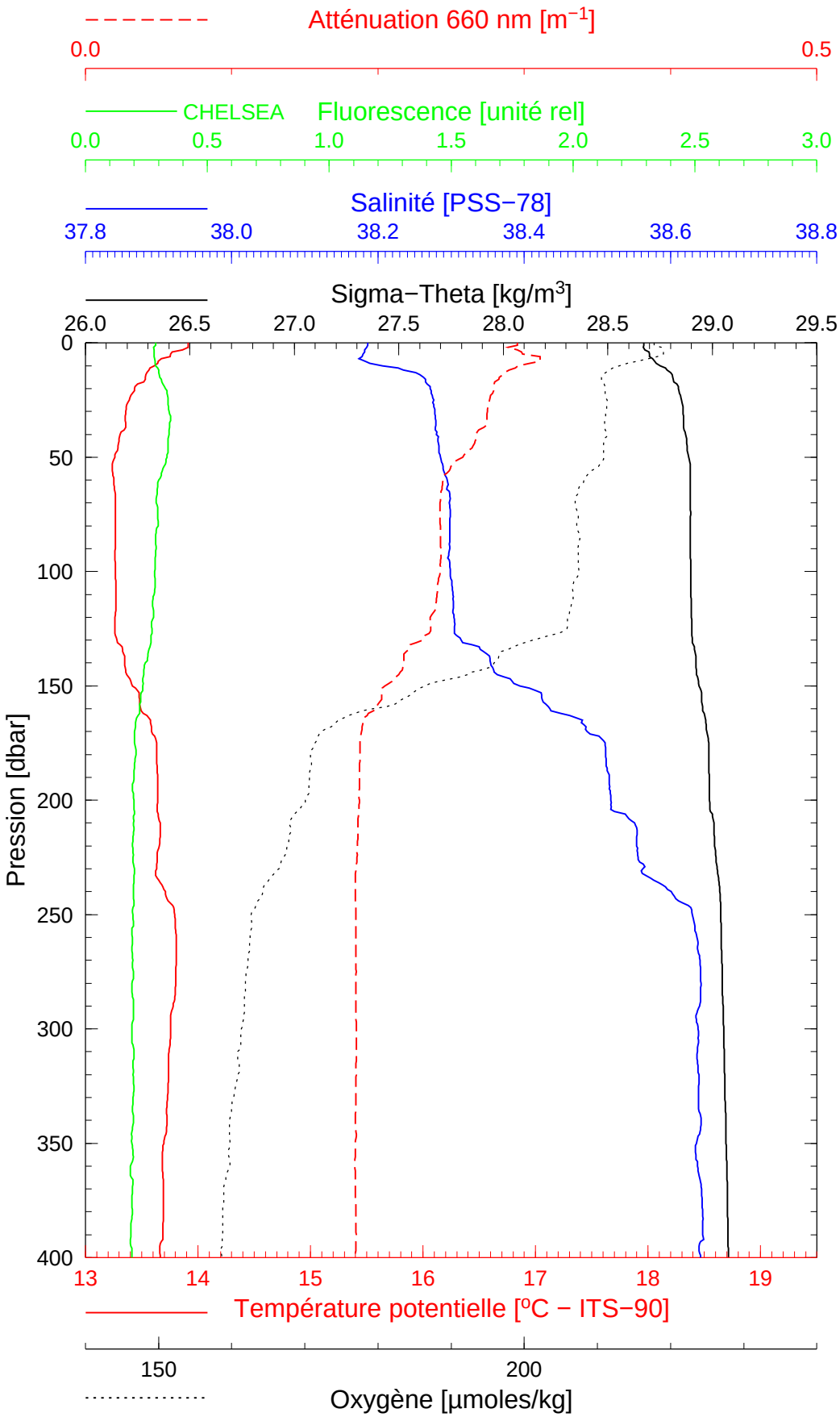


Date *10/02/2015* *Latitude* *43°22.090 N*

Heure déb *10h 33min [TU]* *Longitude* *07°53.550 E*

BOUSSOLE 156 **10/02/2015** **BOUS150210_02**

BOUS003

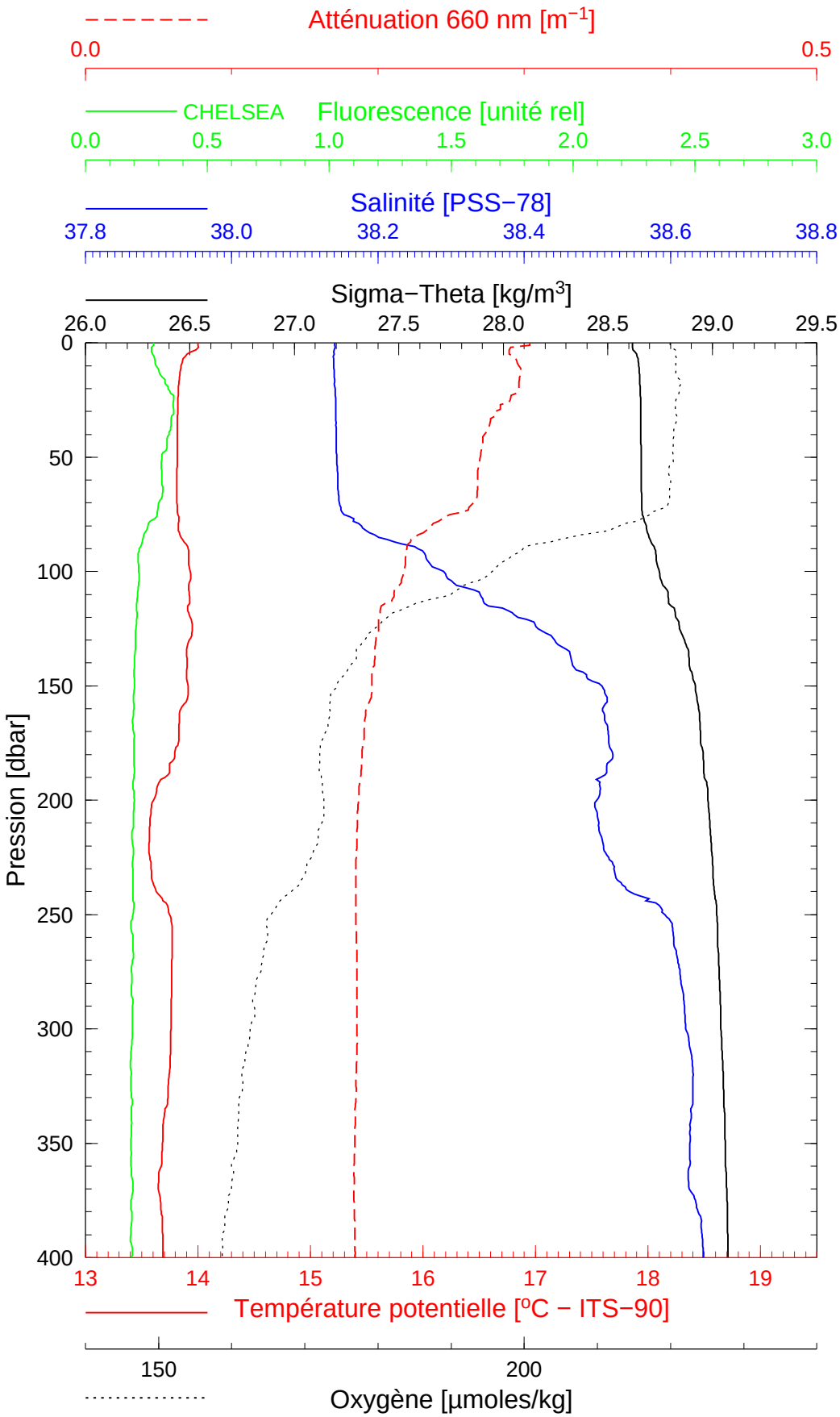


Date *10/02/2015* *Latitude* *43°25.040 N*

Heure déb *12h 45min [TU]* *Longitude* *07°47.930 E*

BOUSSOLE 156 **10/02/2015** **BOUS150210_03**

BOUS004

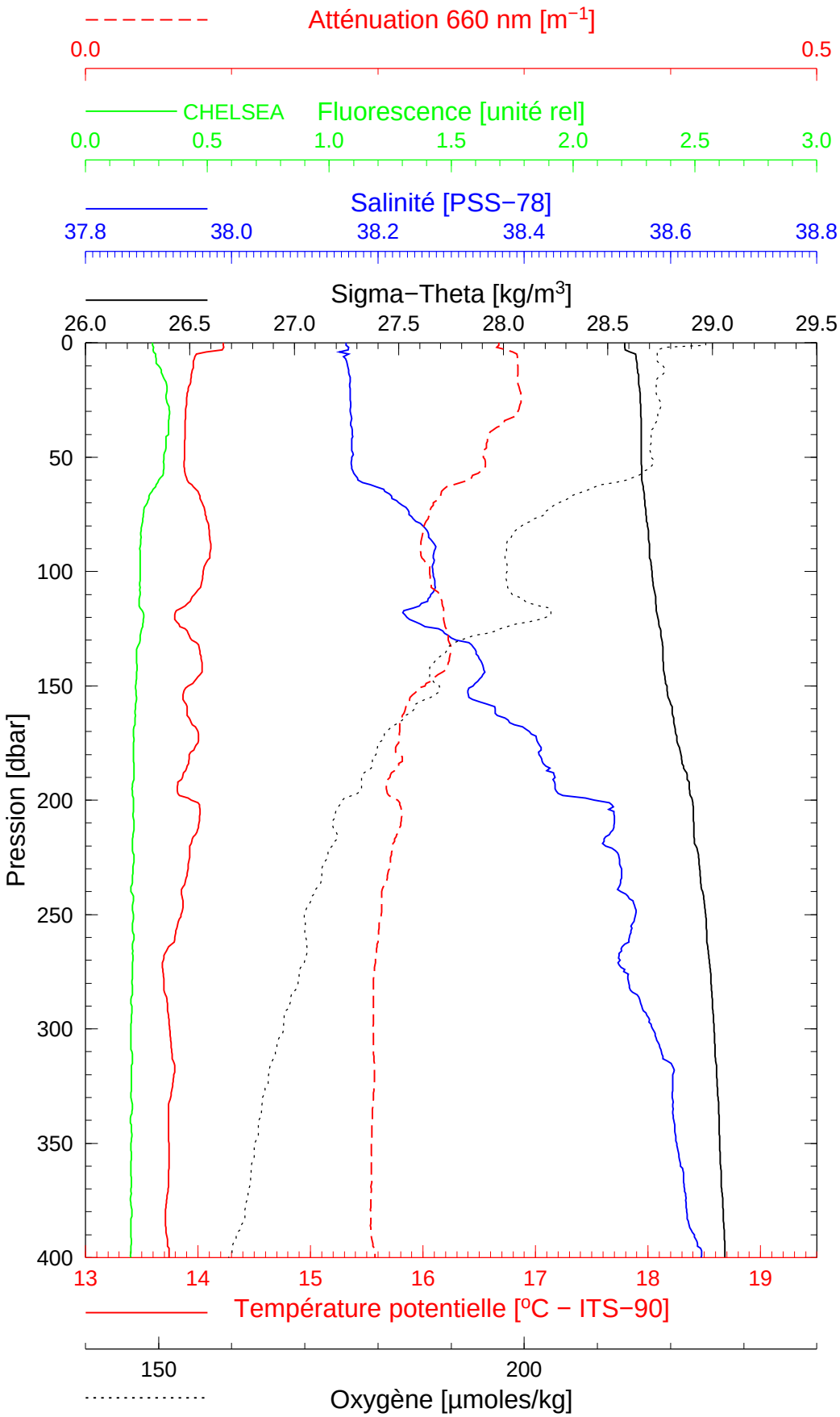


Date *10/02/2015* *Latitude* *43°27.950 N*

Heure déb *13h 32min [TU]* *Longitude* *07°41.950 E*

BOUSSOLE 156 **10/02/2015** **BOUS150210_04**

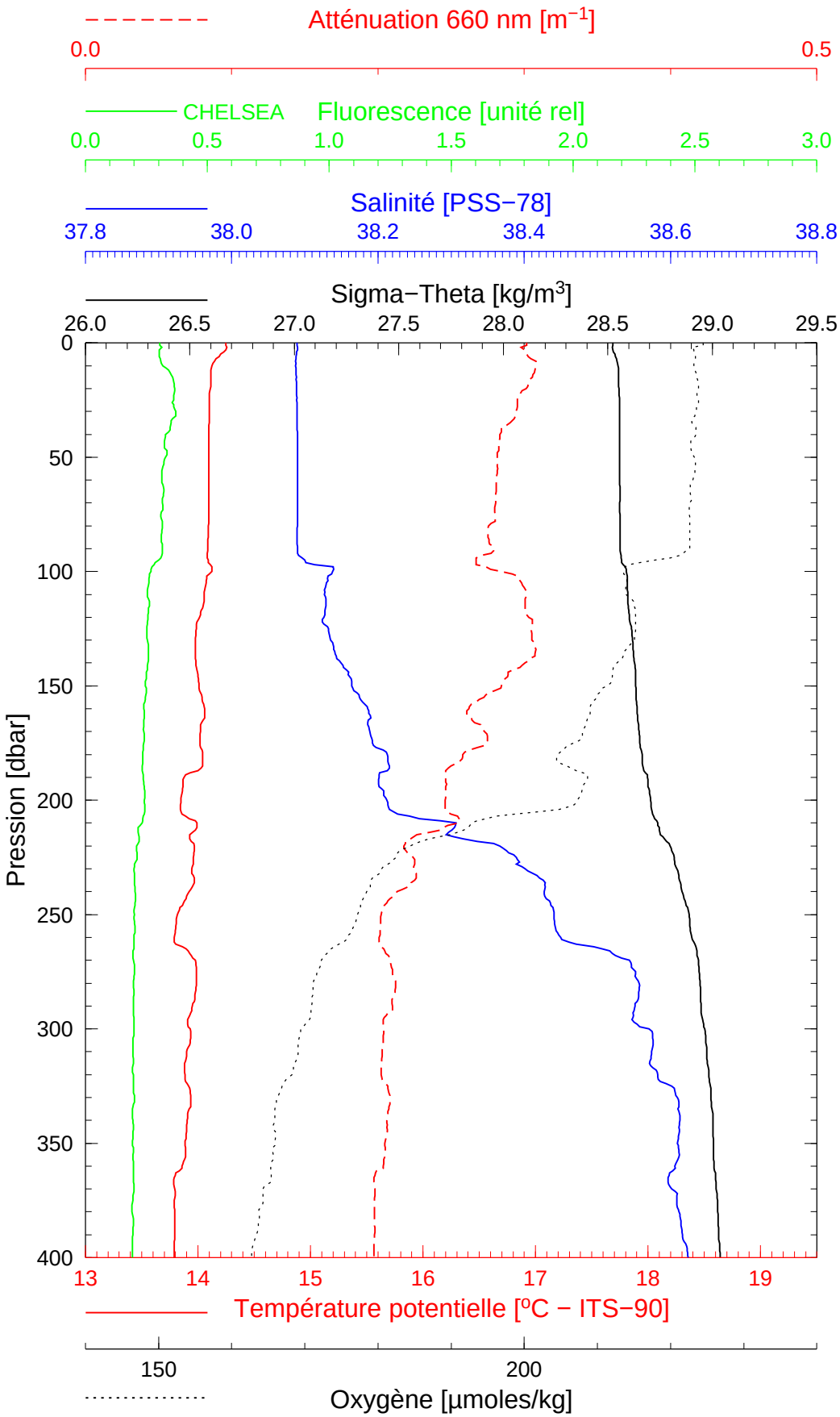
BOUS005



Date	*10/02/2015*	*Latitude*	*43°31.030 N*
Heure déb	*14h 18min [TU]*	*Longitude*	*07°36.890 E*

BOUSSOLE 156 **10/02/2015** **BOUS150210_05**

BOUS006

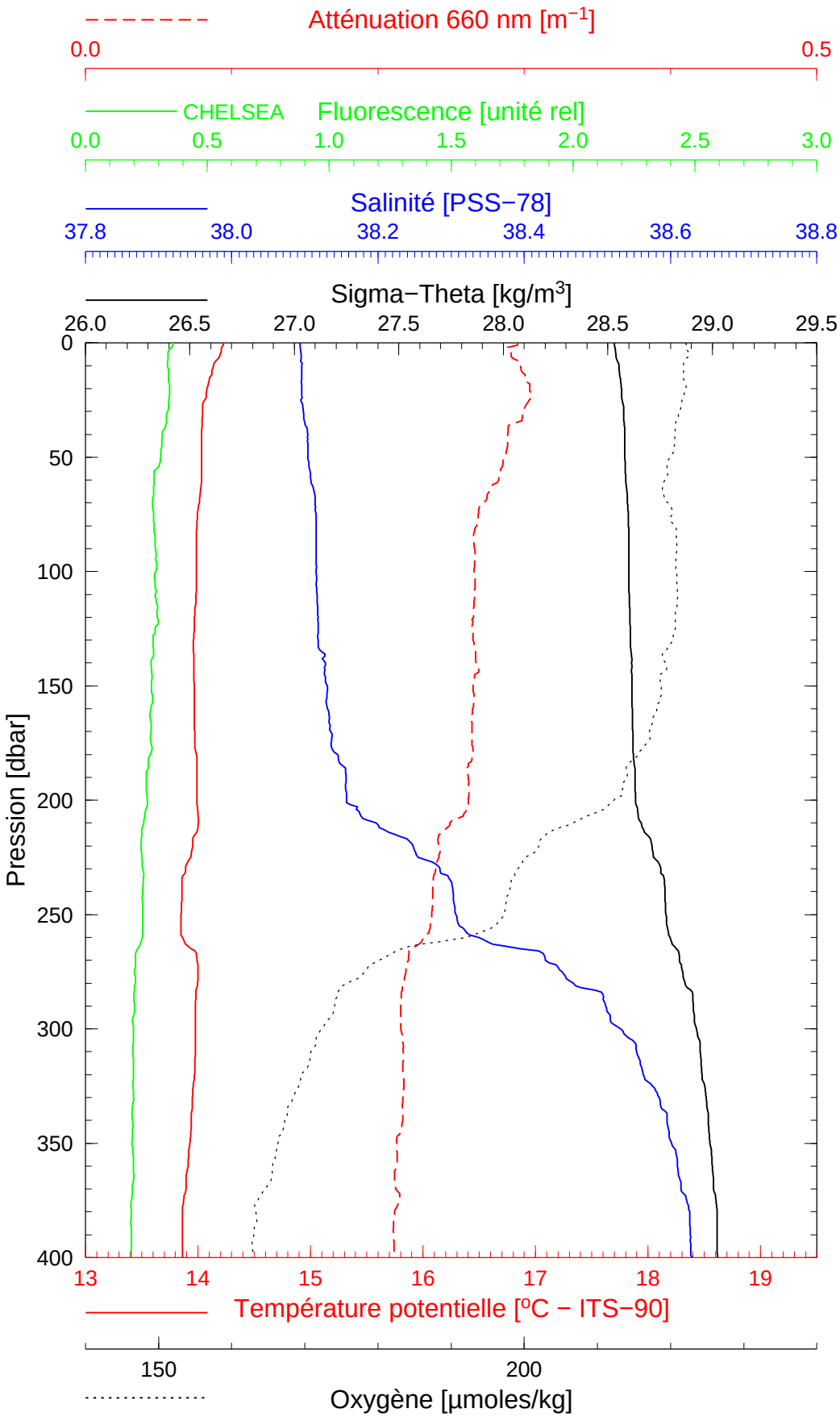


Date *10/02/2015* *Latitude* *43°34.100 N*

Heure déb *15h 05min [TU]* *Longitude* *07°30.830 E*

BOUSSOLE 156 **10/02/2015** **BOUS150210_06**

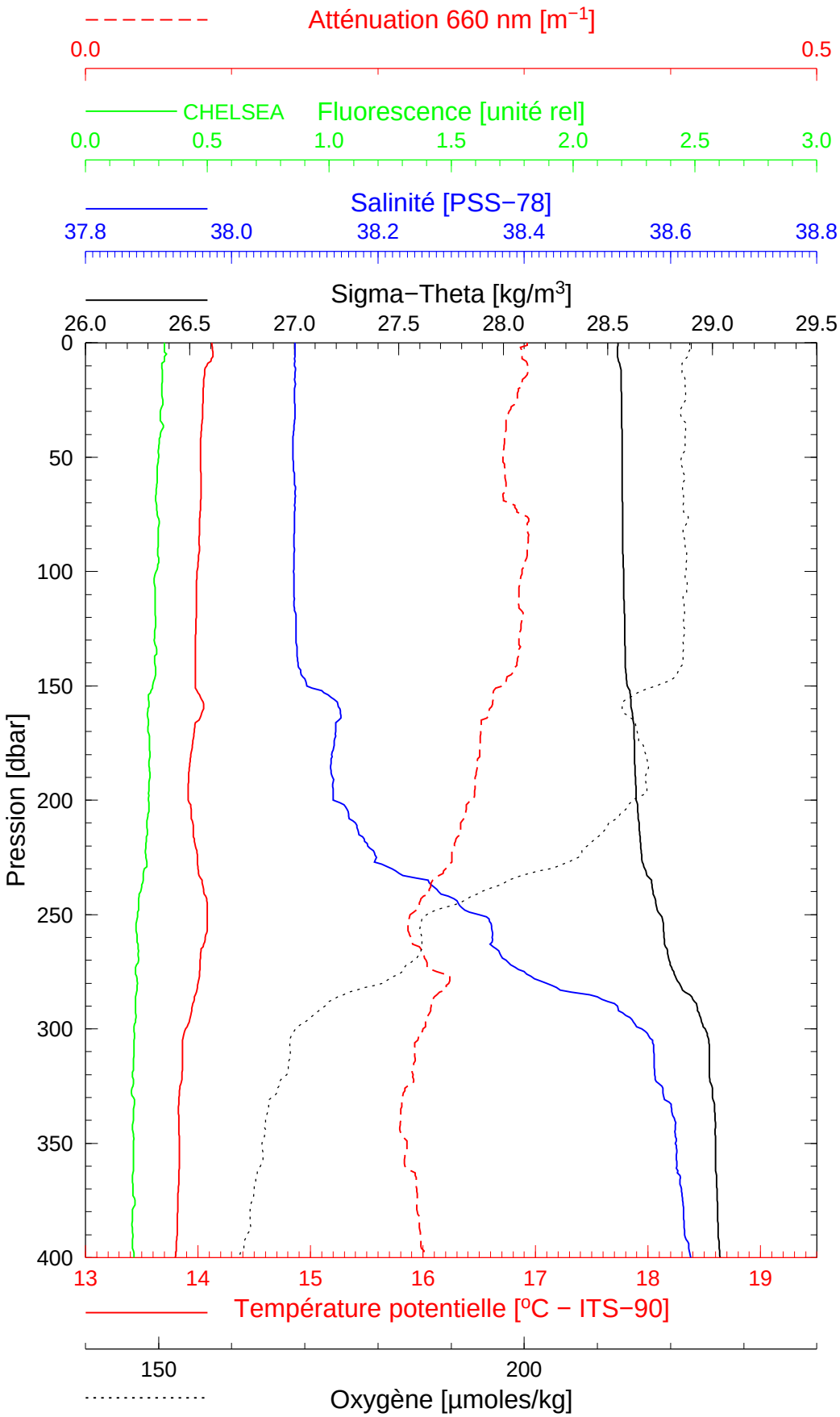
BOUS007



Date	*10/02/2015*	*Latitude*	*43º36.930 N*
Heure déb	*15h 48min [TU]*	*Longitude*	*07º25.130 E*

BOUSSOLE 156 **10/02/2015** **BOUS150210_07**

BOUS008

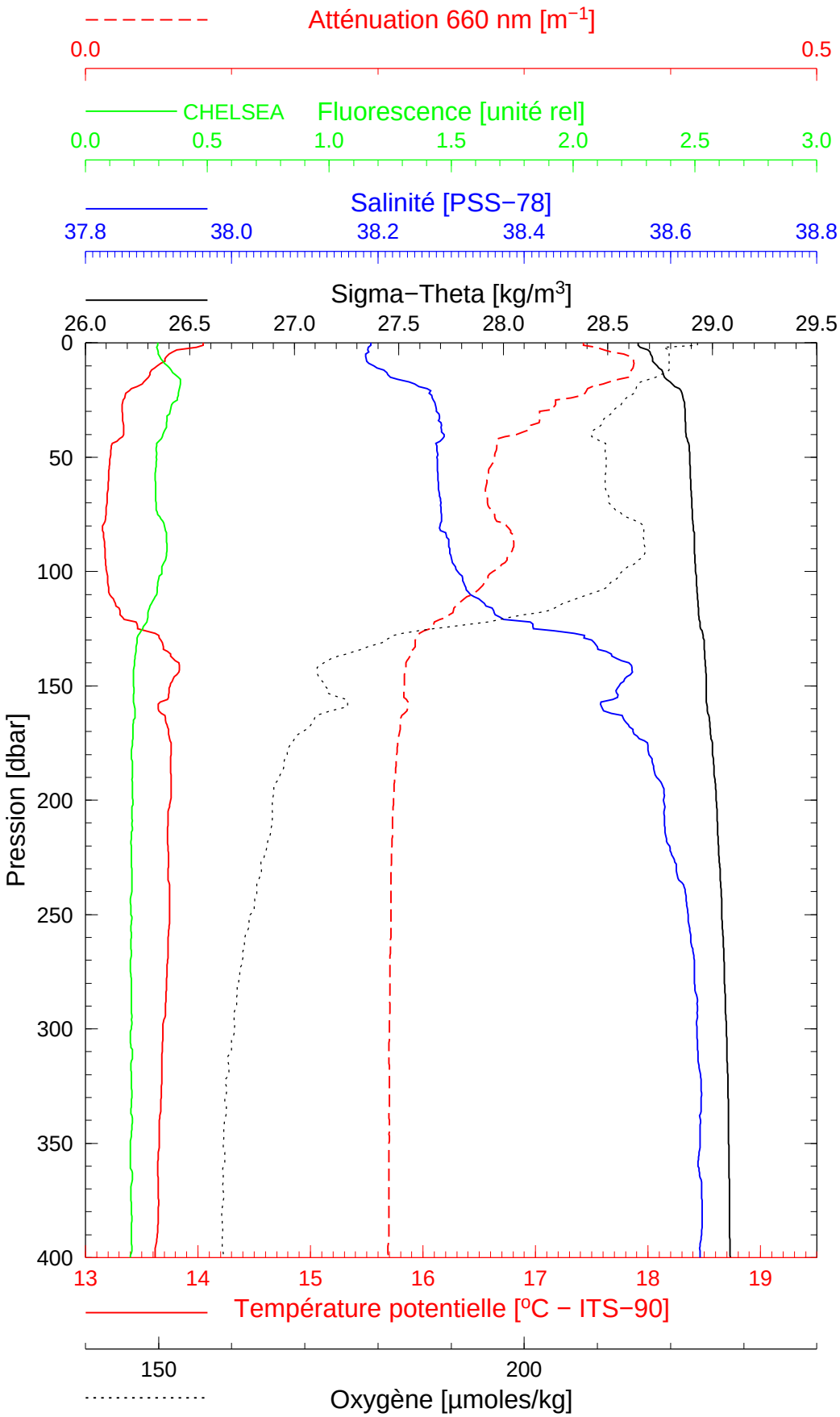


Date *10/02/2015* *Latitude* *43°39.010 N*

Heure déb *16h 25min [TU]* *Longitude* *07°20.900 E*

BOUSSOLE 156 **11/02/2015** **BOUS150211_01**

BOUS009

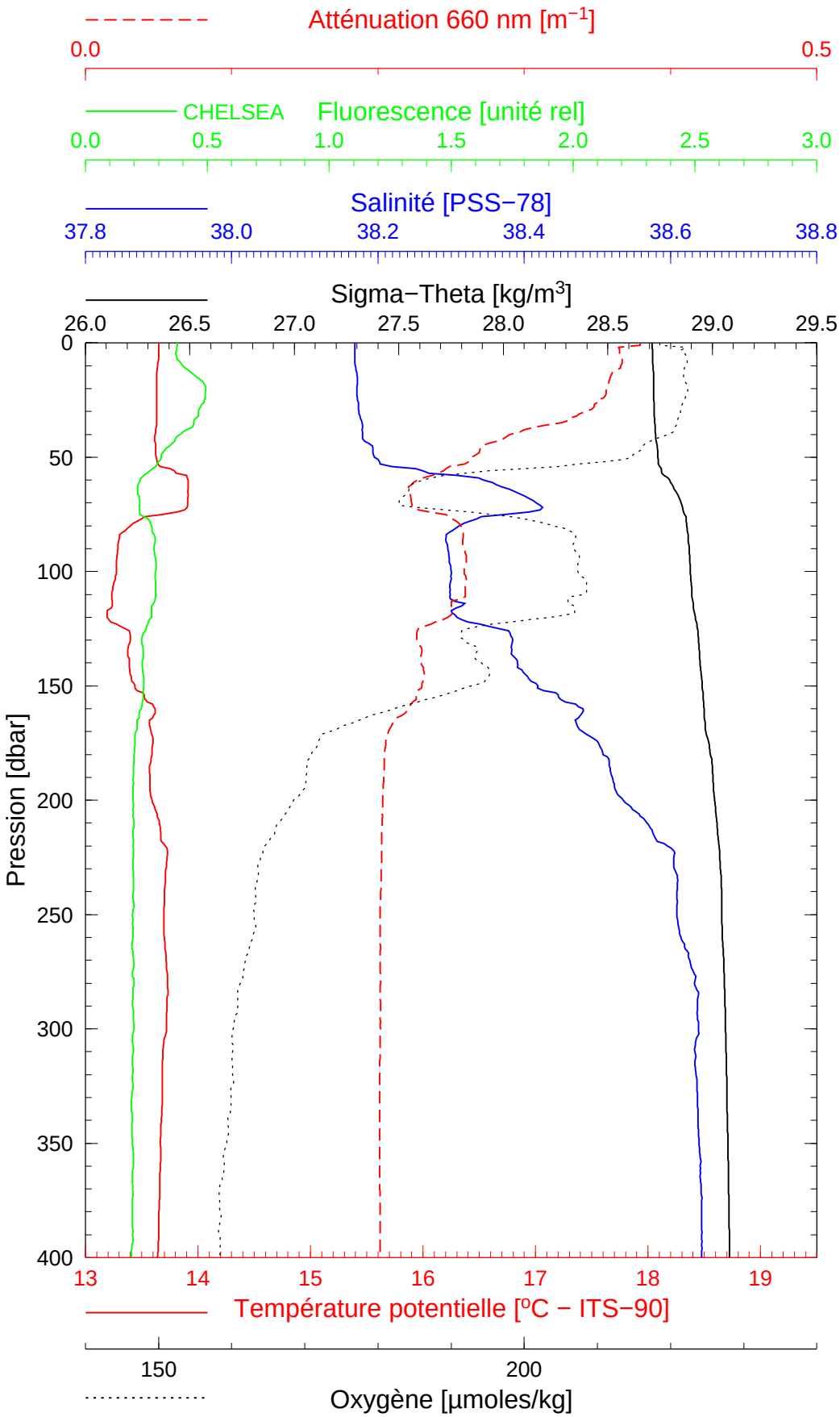


Date *11/02/2015* *Latitude* *43°22.078 N*

Heure déb *12h 52min [TU]* *Longitude* *07°52.963 E*

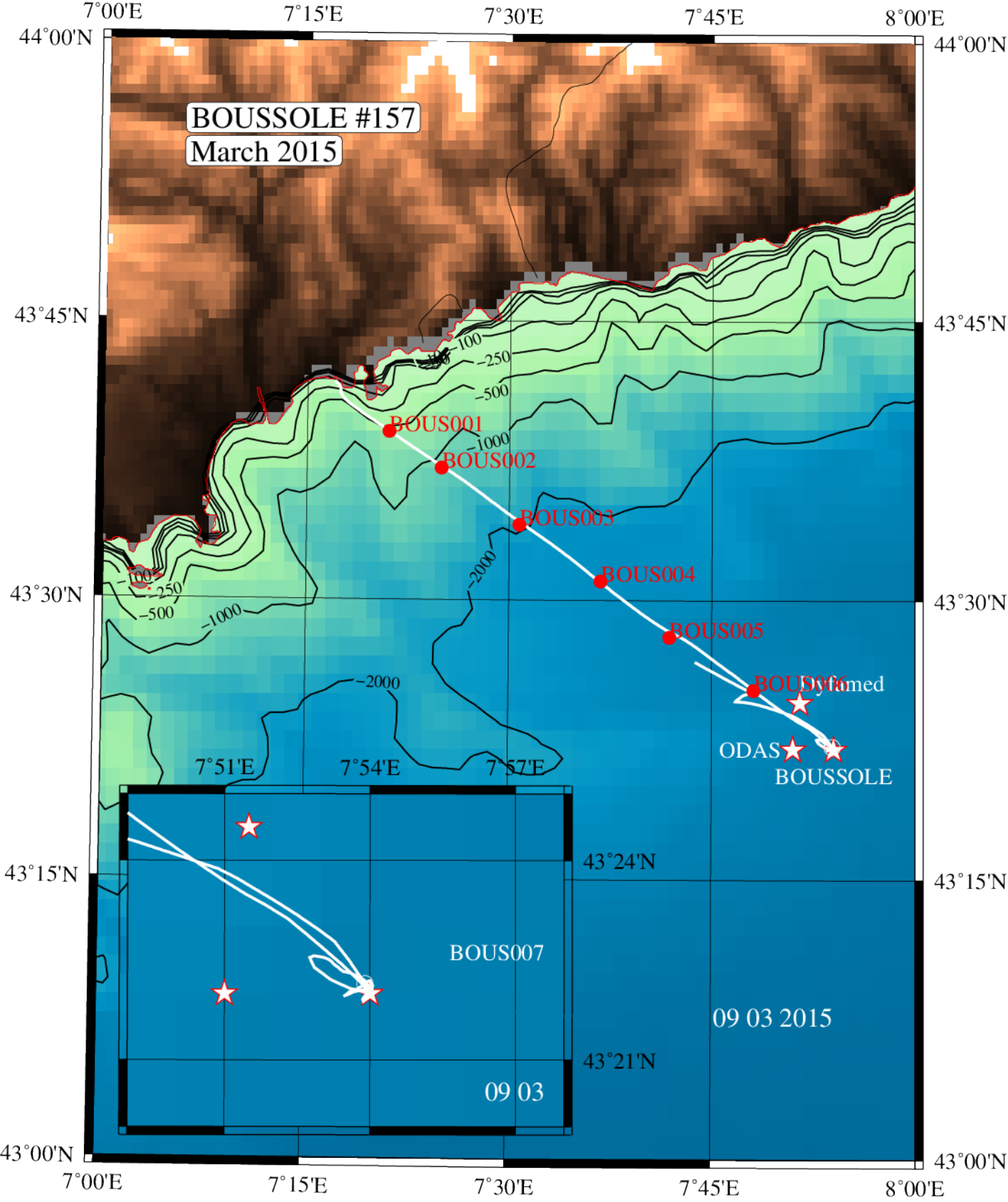
BOUSSOLE 156 **12/02/2015** **BOUS150212_01**

BOUS010



Date *12/02/2015* *Latitude* *43°21.967 N*

Heure déb *09h 59min [TU]* *Longitude* *07°53.741 E*



GMT 2017 Apr 25 08:38:25

Date: 08/03/2017

Instrument configuration file: C:\boussole\Data\CTD\2015\mars2015\ctd\raw\BOUS001.XMLCON

Configuration report for SBE 911plus/917plus CTD

```
Frequency channels suppressed : 2
Voltage words suppressed      : 1
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 : 1378
   Calibrated on : 01-May-14
   G             : 4.87129842e-003
   H             : 6.79847310e-004
   I             : 2.74271354e-005
   J             : 2.21364376e-006
   F0            : 1000.000
   Slope         : 1.00000000
   Offset        : 0.0000
```

2) Frequency 1, Conductivity

```
   Serial number : 2929
   Calibrated on : 06-May-14
   G             : -1.06059420e+001
   H             : 1.42246367e+000
   I             : -1.04093771e-004
   J             : 7.68097949e-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
   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        : -0.27039
   AD590M        : 1.280100e-002
   AD590B        : -9.240166e+000
```

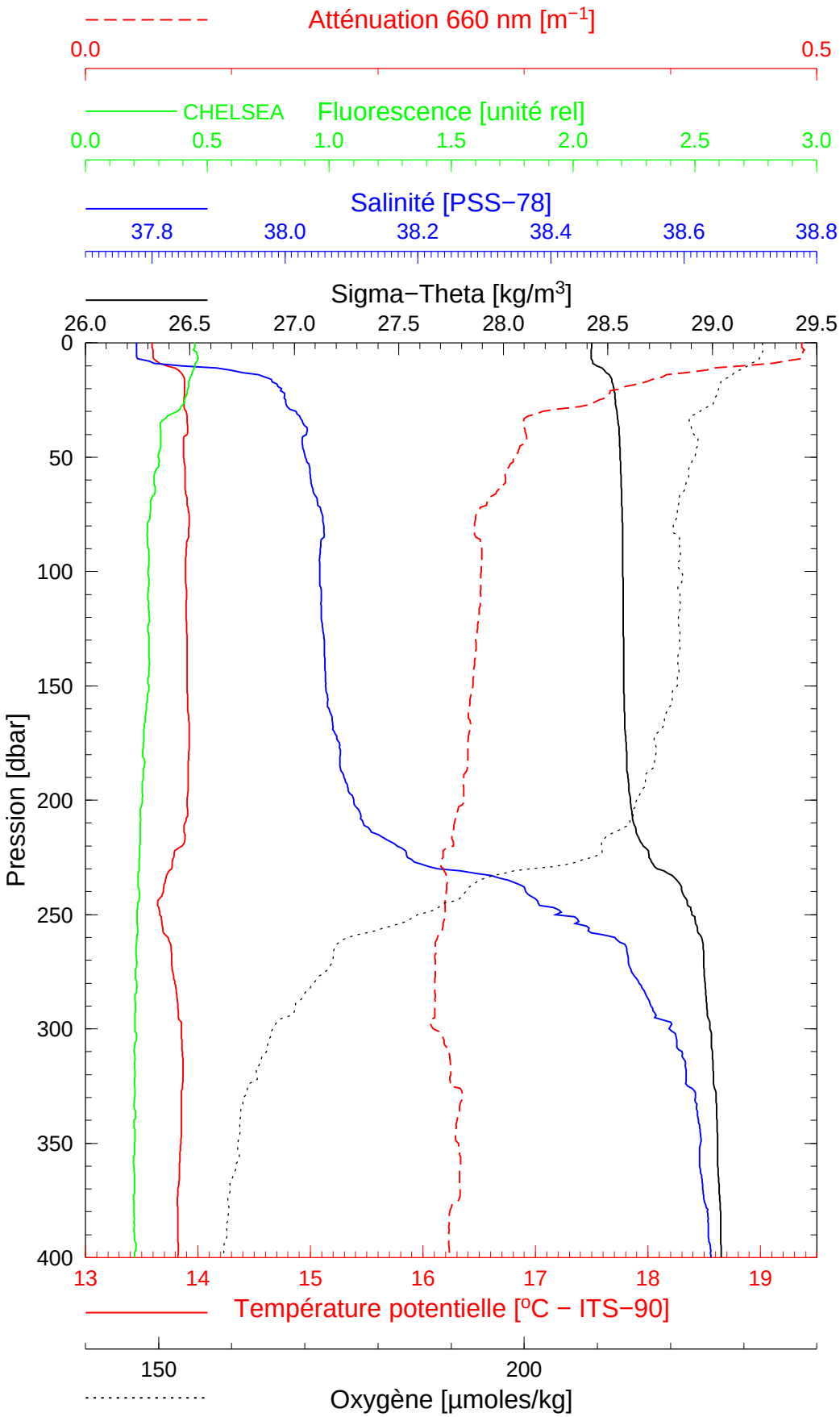
4) A/D voltage 0, Oxygen, SBE 43

```
   Serial number : 0378
   Calibrated on : 23-May-14
   Equation      : Sea-Bird
   Soc           : 3.63660e-001
   Offset        : -6.58900e-001
   A             : -3.40840e-003
   B             : 1.71230e-004
   C             : -3.00650e-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

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 : 17-Feb-2012
   M             : 21.5054
   B             : -1.2473
   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

Scan length                   : 21
```

BOUSSOLE 157 **09/03/2015** **BOUS150309_01**

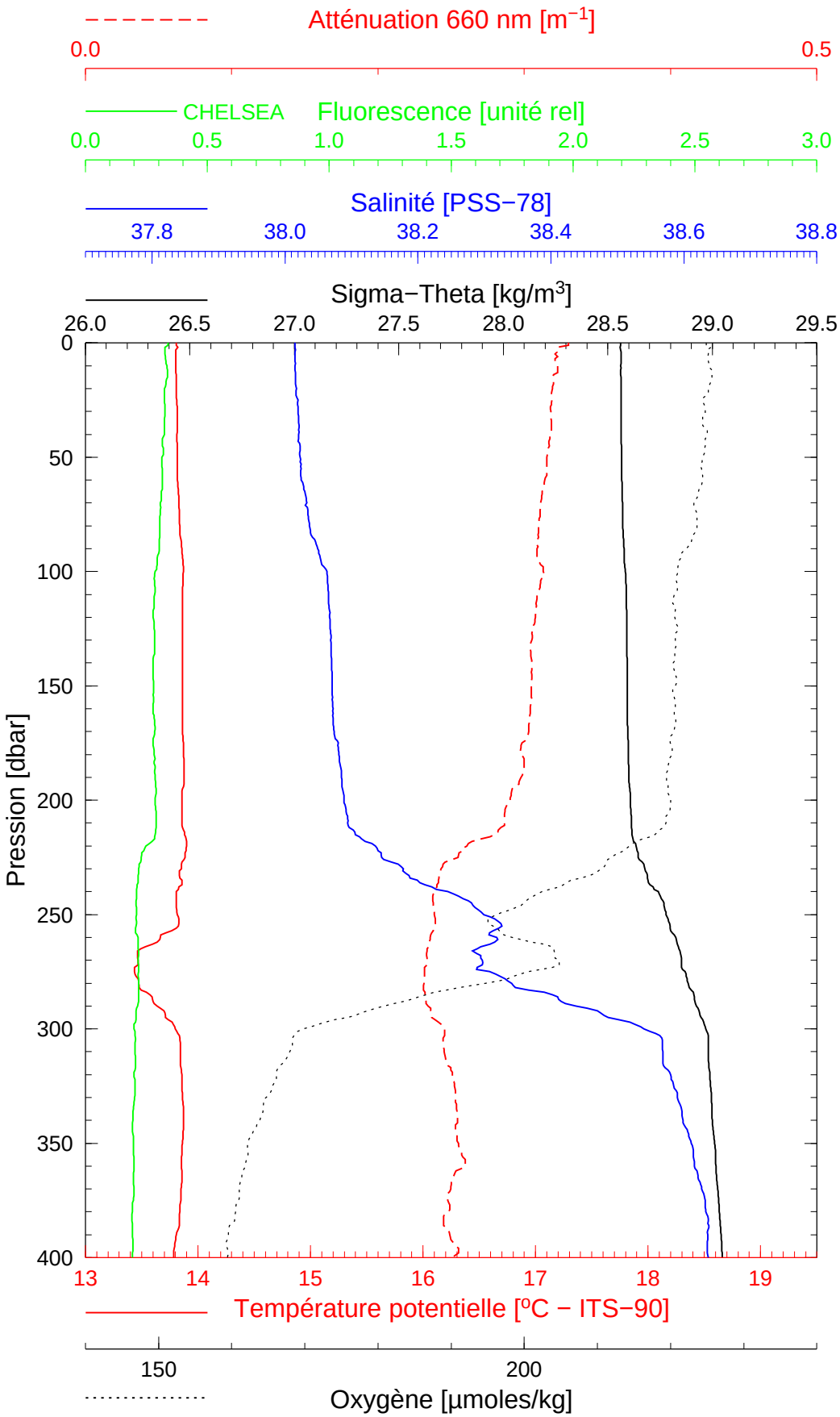
BOUS001



Date	*09/03/2015*	*Latitude*	*43°39.018 N*
Heure déb	*06h 45min [TU]*	*Longitude*	*07°21.056 E*

BOUSSOLE 157 **09/03/2015** **BOUS150309_02**

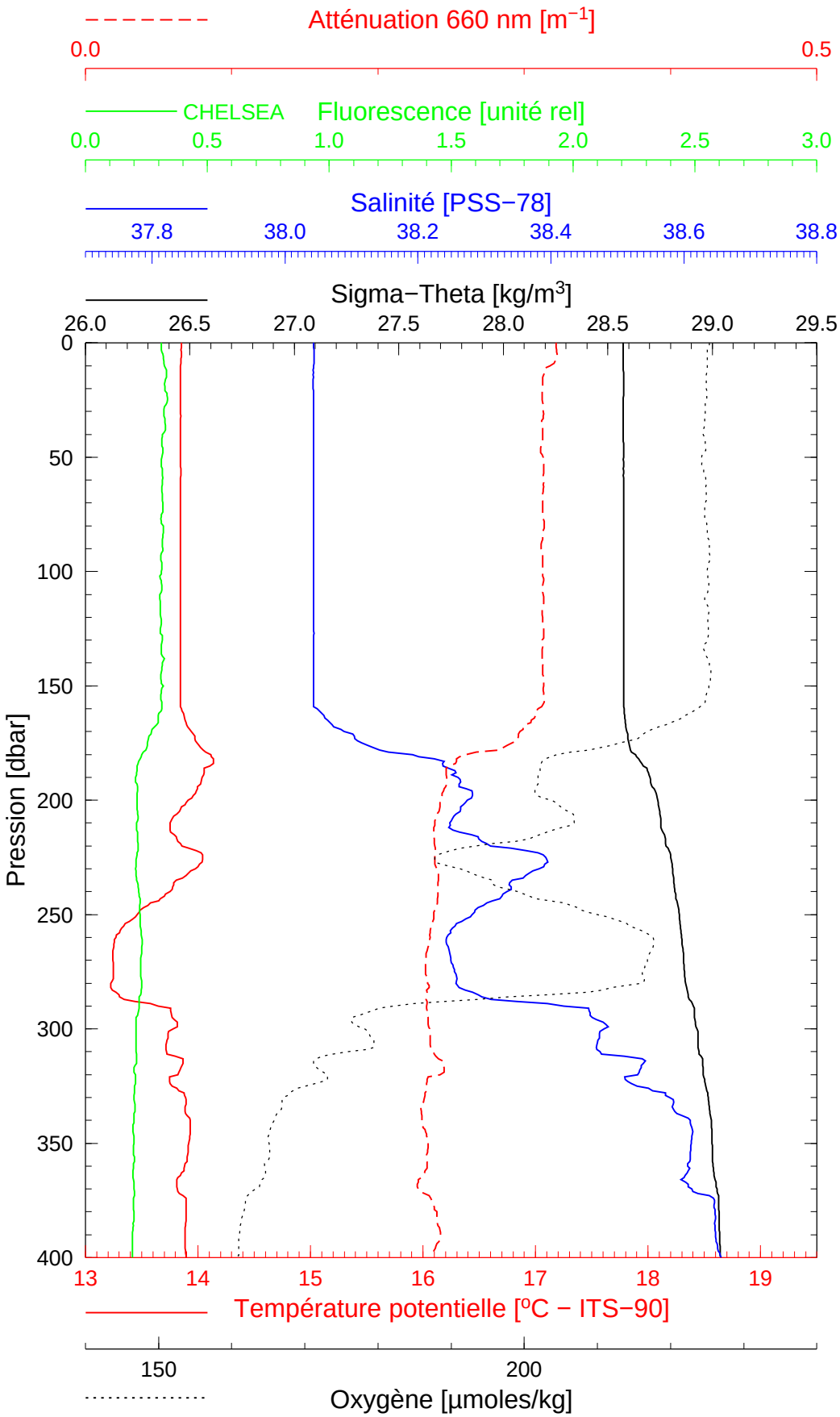
BOUS002



Date	*09/03/2015*	*Latitude*	*43°37.081 N*
Heure déb	*07h 29min [TU]*	*Longitude*	*07°24.966 E*

BOUSSOLE 157 **09/03/2015** **BOUS150309_03**

BOUS003

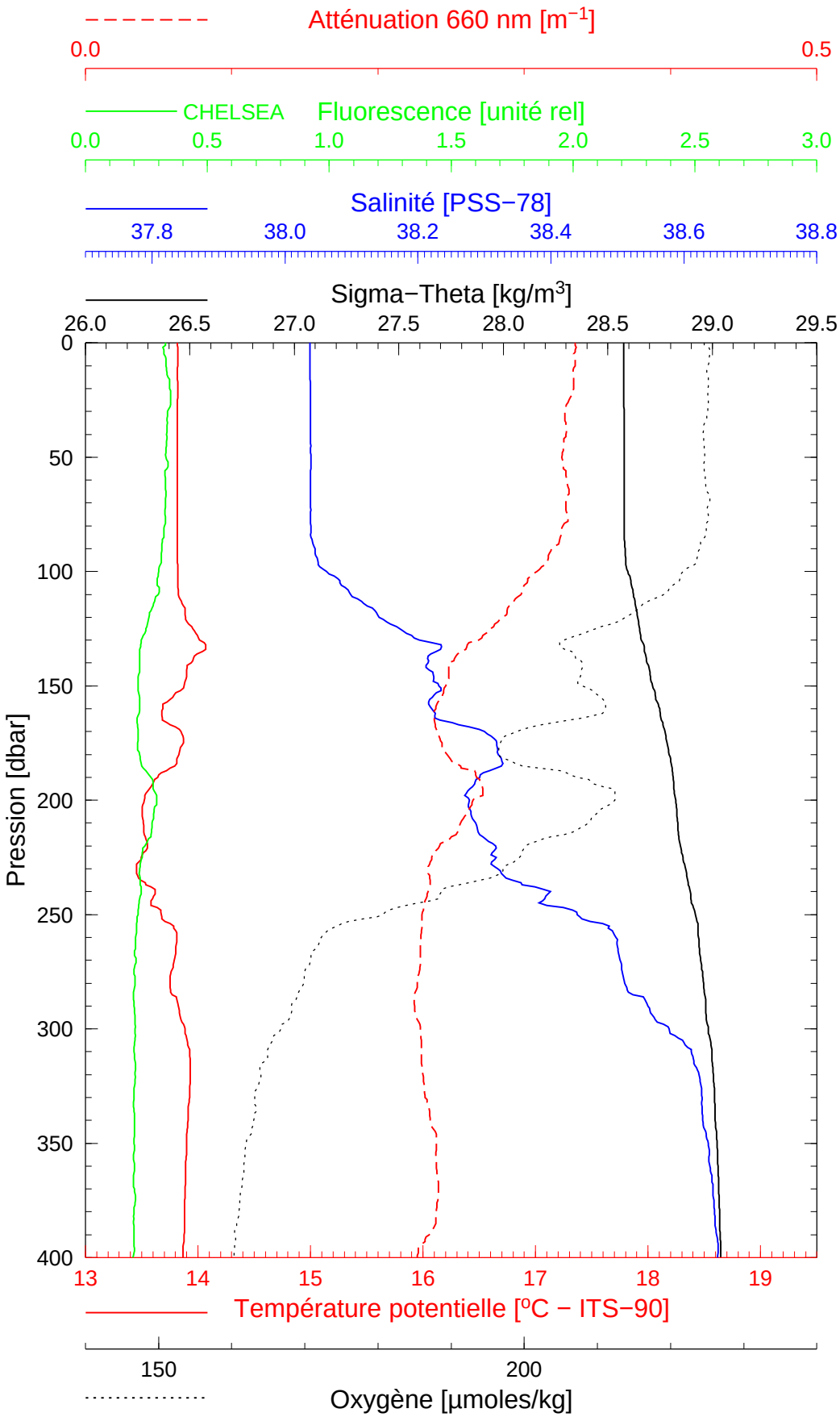


Date *09/03/2015* *Latitude* *43°34.037 N*

Heure déb *08h 27min [TU]* *Longitude* *07°30.744 E*

BOUSSOLE 157 **09/03/2015** **BOUS150309_04**

BOUS004

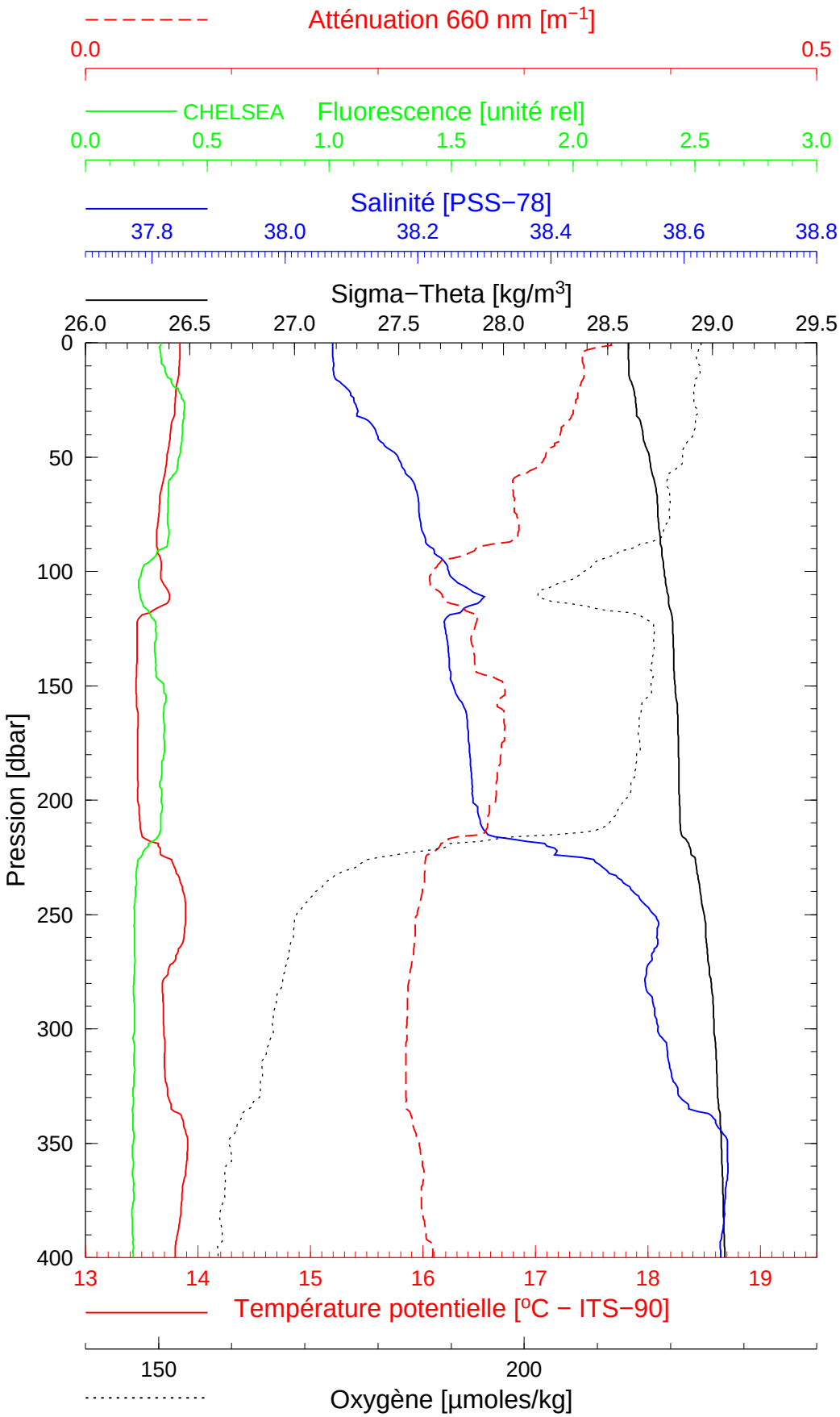


Date *09/03/2015* *Latitude* *43°31.021 N*

Heure déb *09h 25min [TU]* *Longitude* *07°36.773 E*

BOUSSOLE 157 **09/03/2015** **BOUS150309_05**

BOUS005

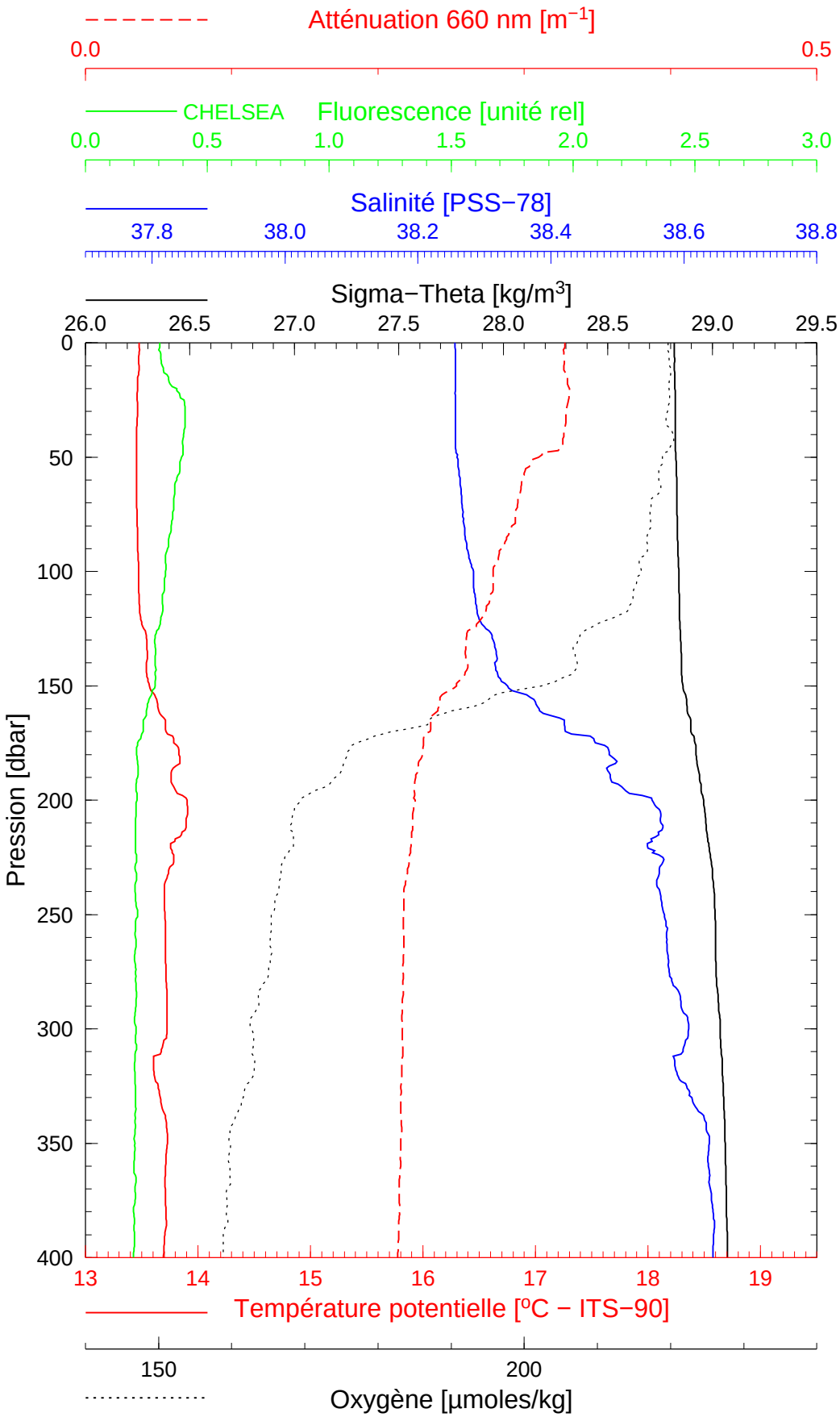


Date *09/03/2015* *Latitude* *43°28.012 N*

Heure déb *10h 19min [TU]* *Longitude* *07°41.884 E*

BOUSSOLE 157 **09/03/2015** **BOUS150309_06**

BOUS006

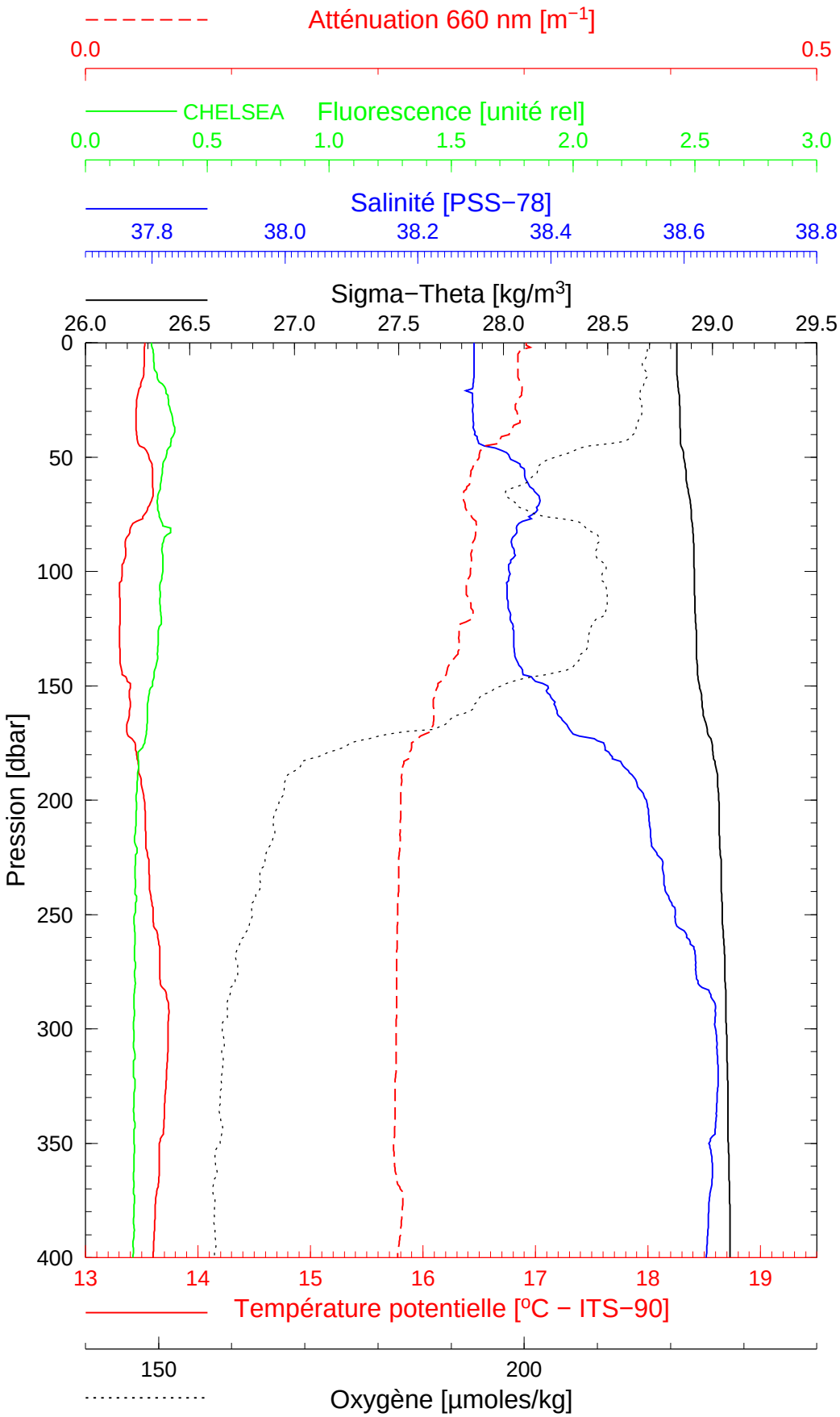


Date *09/03/2015* *Latitude* *43°25.169 N*

Heure déb *11h 19min [TU]* *Longitude* *07°48.092 E*

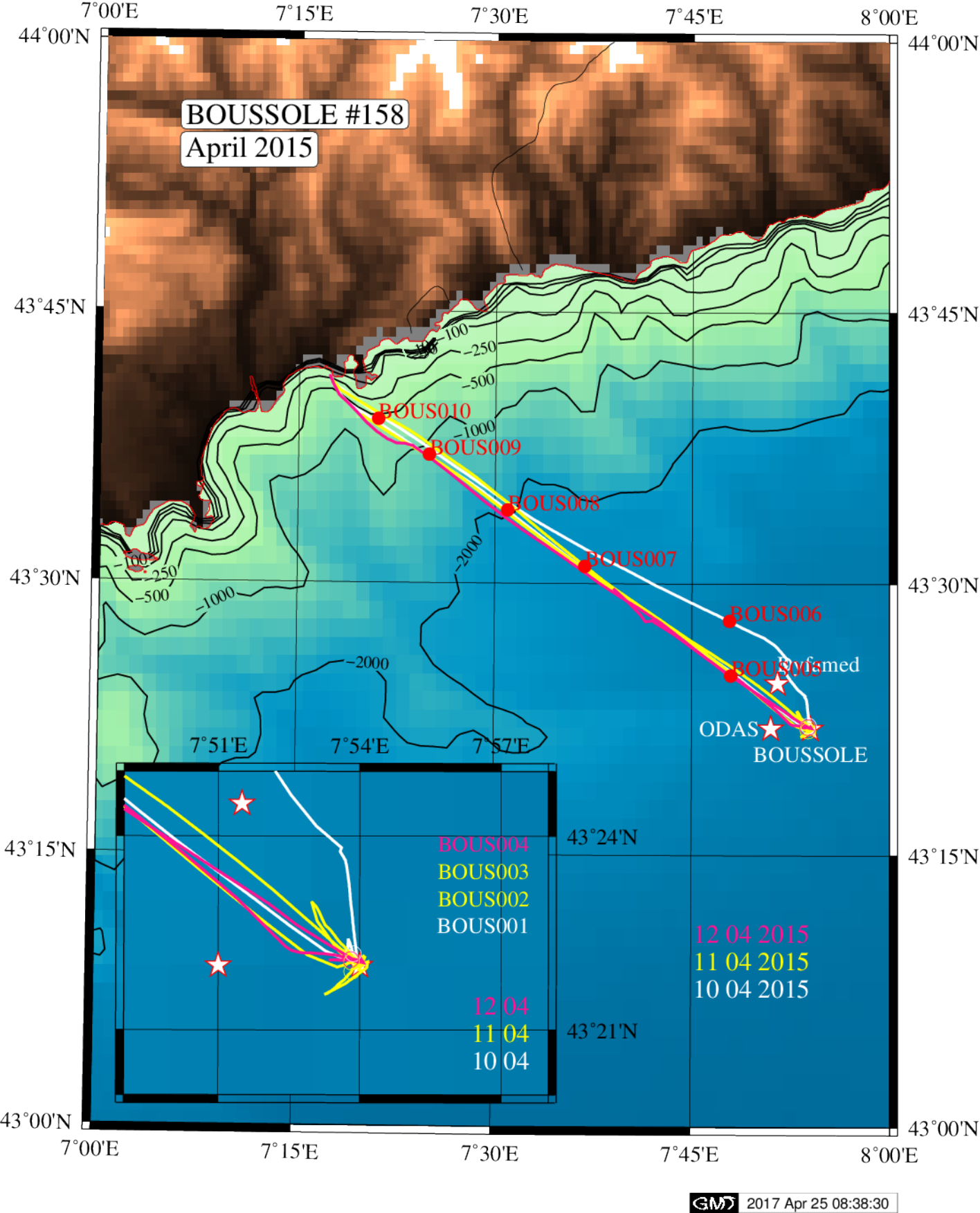
BOUSSOLE 157 **09/03/2015** **BOUS150309_07**

BOUS007



Date *09/03/2015* *Latitude* *43°22.148 N*

Heure déb *13h 26min [TU]* *Longitude* *07°53.896 E*


BOUSSOLE #158
April 2015
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
BOUS010
BOUS009
BOUS008
BOUS007
BOUS006
BOUS005
Informed
ODAS
BOUSSOLE
-100
-250
-500
-1000
-2000
7°51'E
7°54'E
7°57'E
43°24'N
43°21'N
BOUS004
BOUS003
BOUS002
BOUS001
12 04 2015
11 04 2015
10 04 2015
12 04
11 04
10 04
GMT
2017 Apr 25 08:38:30

Date: 08/03/2017

Instrument configuration file: C:\boussole\Data\CTD\2015\avril2015\ctd\raw\BOUS001.XMLCON

Configuration report for SBE 911plus/917plus CTD

```
Frequency channels suppressed : 2
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 : 01-May-14
   G             : 4.87129842e-003
   H             : 6.79847310e-004
   I             : 2.74271354e-005
   J             : 2.21364376e-006
   F0            : 1000.000
   Slope         : 1.00000000
   Offset        : 0.0000
```

2) Frequency 1, Conductivity

```
   Serial number : 2929
   Calibrated on : 06-May-14
   G             : -1.06059420e+001
   H             : 1.42246367e+000
   I             : -1.04093771e-004
   J             : 7.68097949e-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
   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        : -0.27039
   AD590M        : 1.280100e-002
   AD590B        : -9.240166e+000
```

4) A/D voltage 0, OBS, Chelsea Nephelometer

```
   Serial number     : 088167
   Calibrated on     : 2000-01-01
   Clear water value : 0.000000
   Scale factor      : 1.000000
```

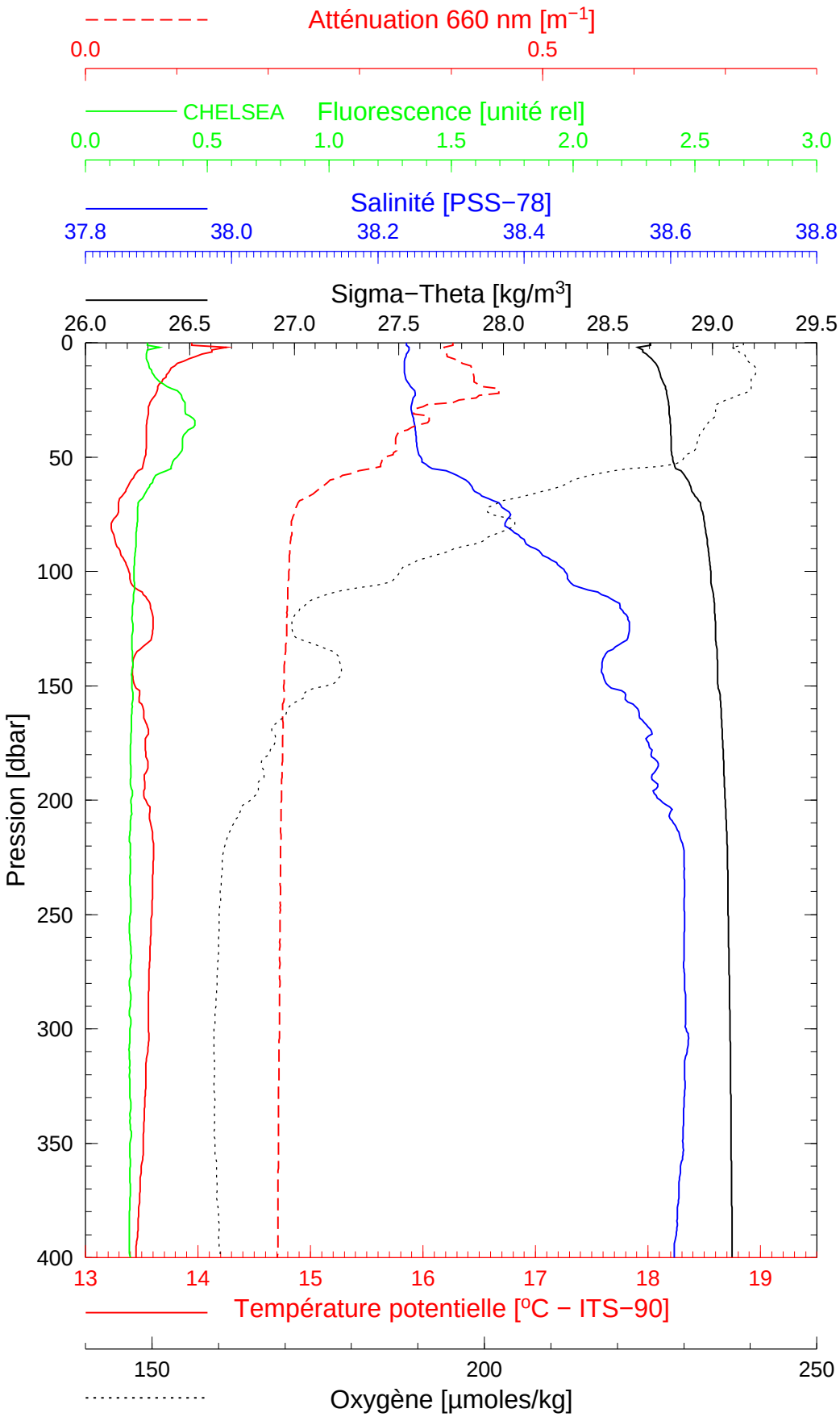
5) A/D voltage 1, Oxygen, SBE 43

```
   Serial number : 0378
   Calibrated on : 23-May-14
   Equation      : Sea-Bird
```

```
   Soc            : 3.63660e-001
   Offset         : -6.58900e-001
   A              : -3.40840e-003
   B              : 1.71230e-004
   C              : -3.00650e-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

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 : 17-Feb-2012
   M              : 21.5054
   B              : -1.2473
   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

Scan length                    : 28
```

BOUSSOLE 158 **10/04/2015** **BOUS150410_01**

BOUS001

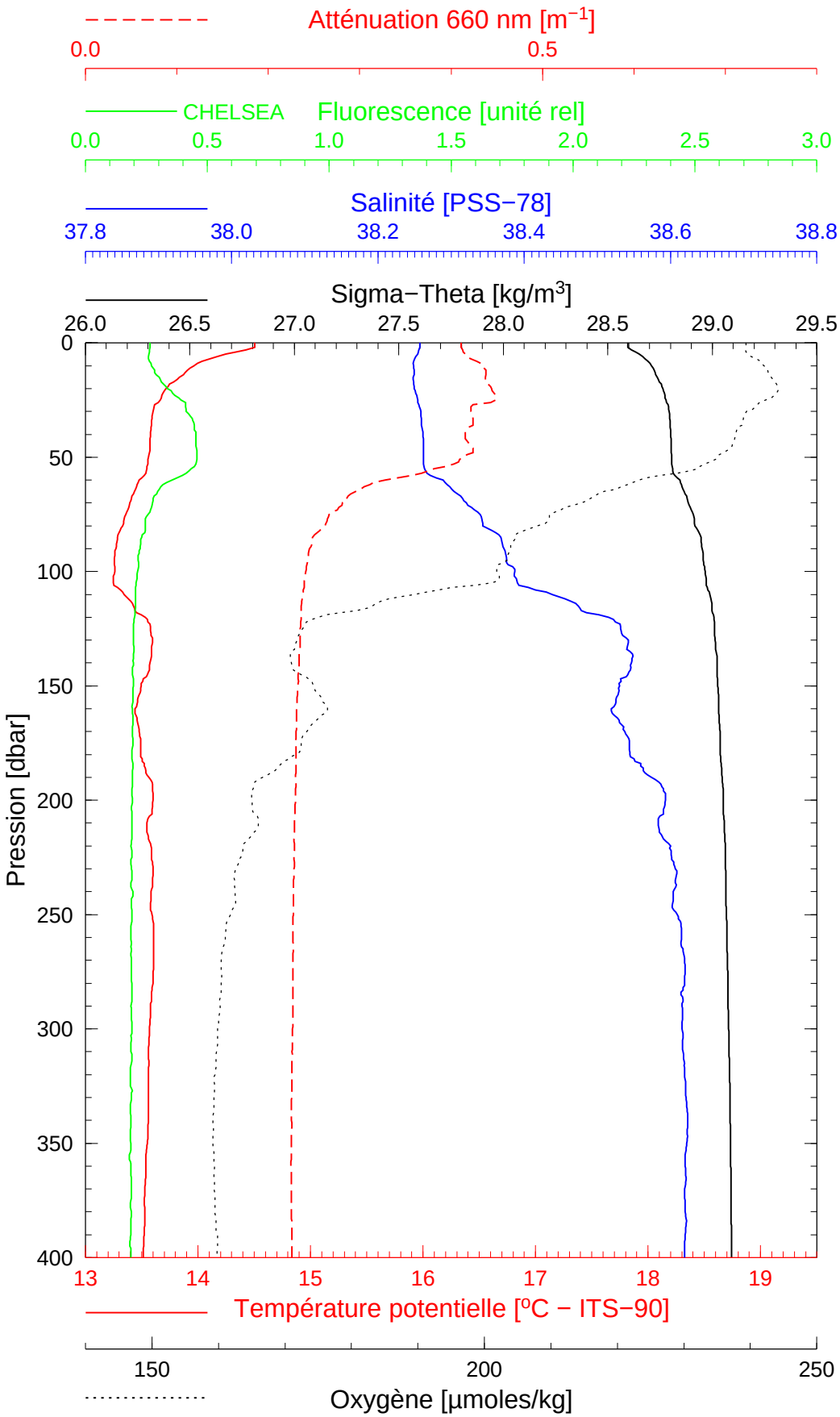


Date *10/04/2015* *Latitude* *43°22.178 N*

Heure déb *11h 16min [TU]* *Longitude* *07°53.863 E*

BOUSSOLE 158 **11/04/2015** **BOUS150411_01**

BOUS002

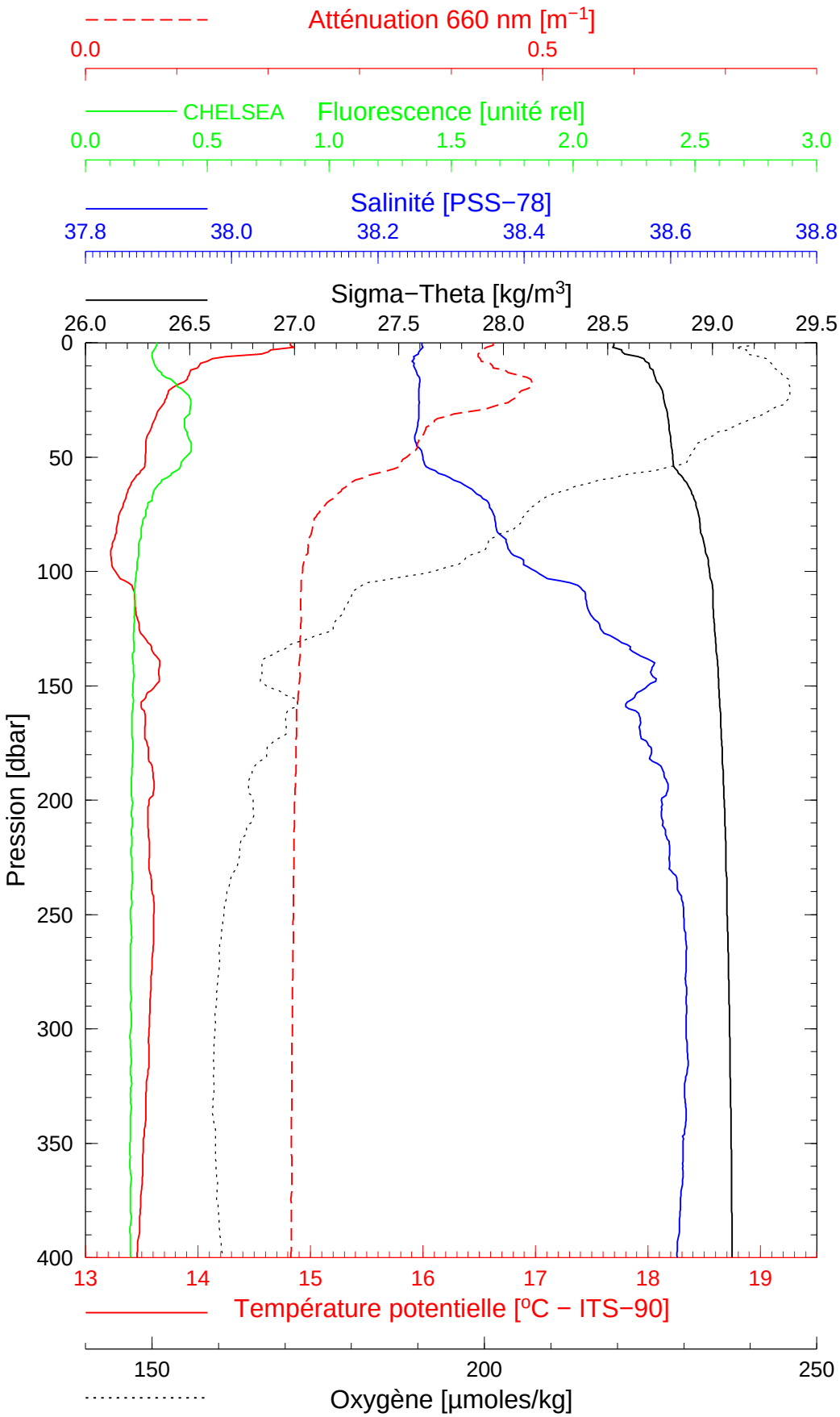


Date *11/04/2015* *Latitude* *43°21.908 N*

Heure déb *10h 06min [TU]* *Longitude* *07°53.831 E*

BOUSSOLE 158 **11/04/2015** **BOUS150411_02**

BOUS003

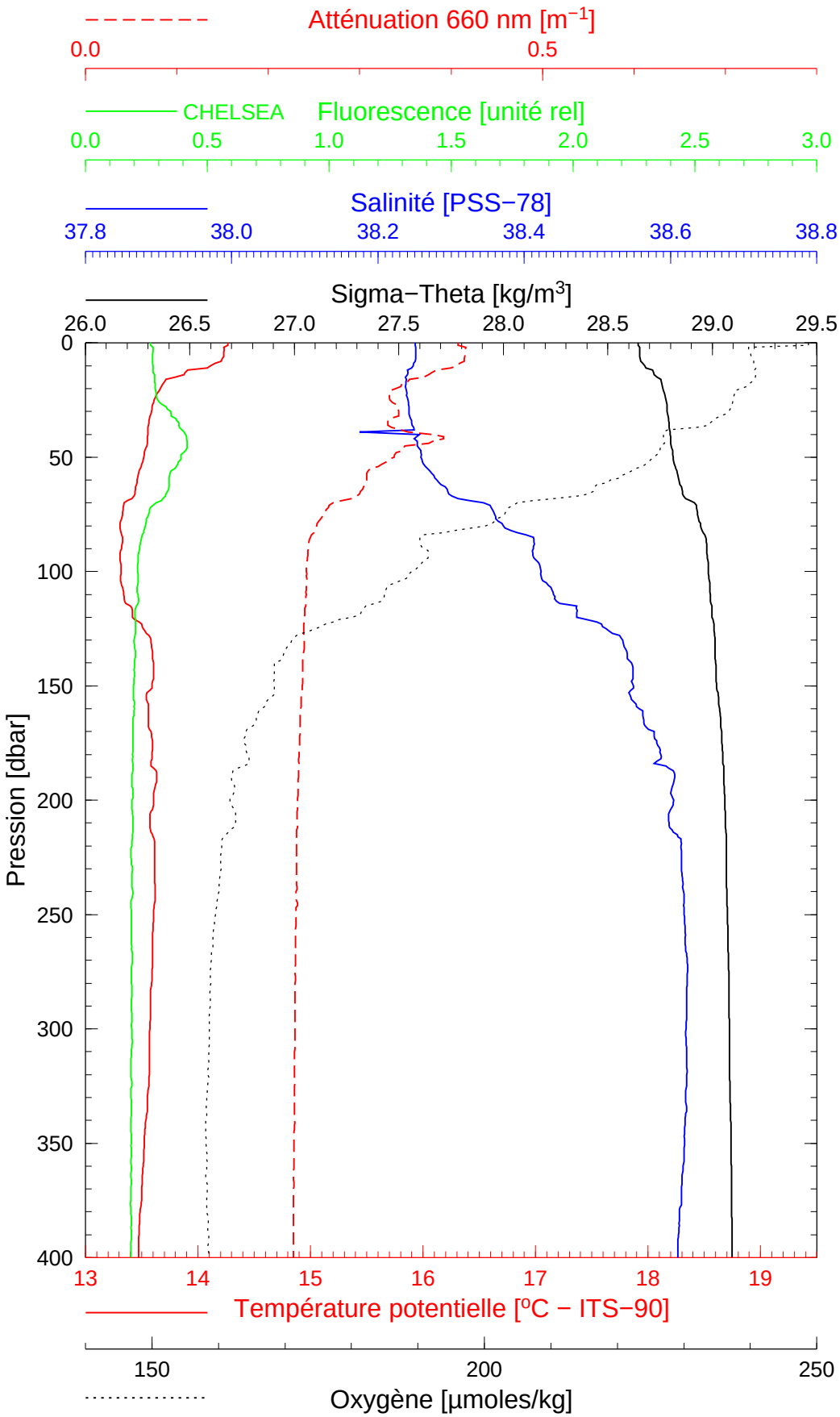


Date *11/04/2015* *Latitude* *43°22.051 N*

Heure déb *13h 33min [TU]* *Longitude* *07°53.826 E*

BOUSSOLE 158 **12/04/2015** **BOUS150412_01**

BOUS004

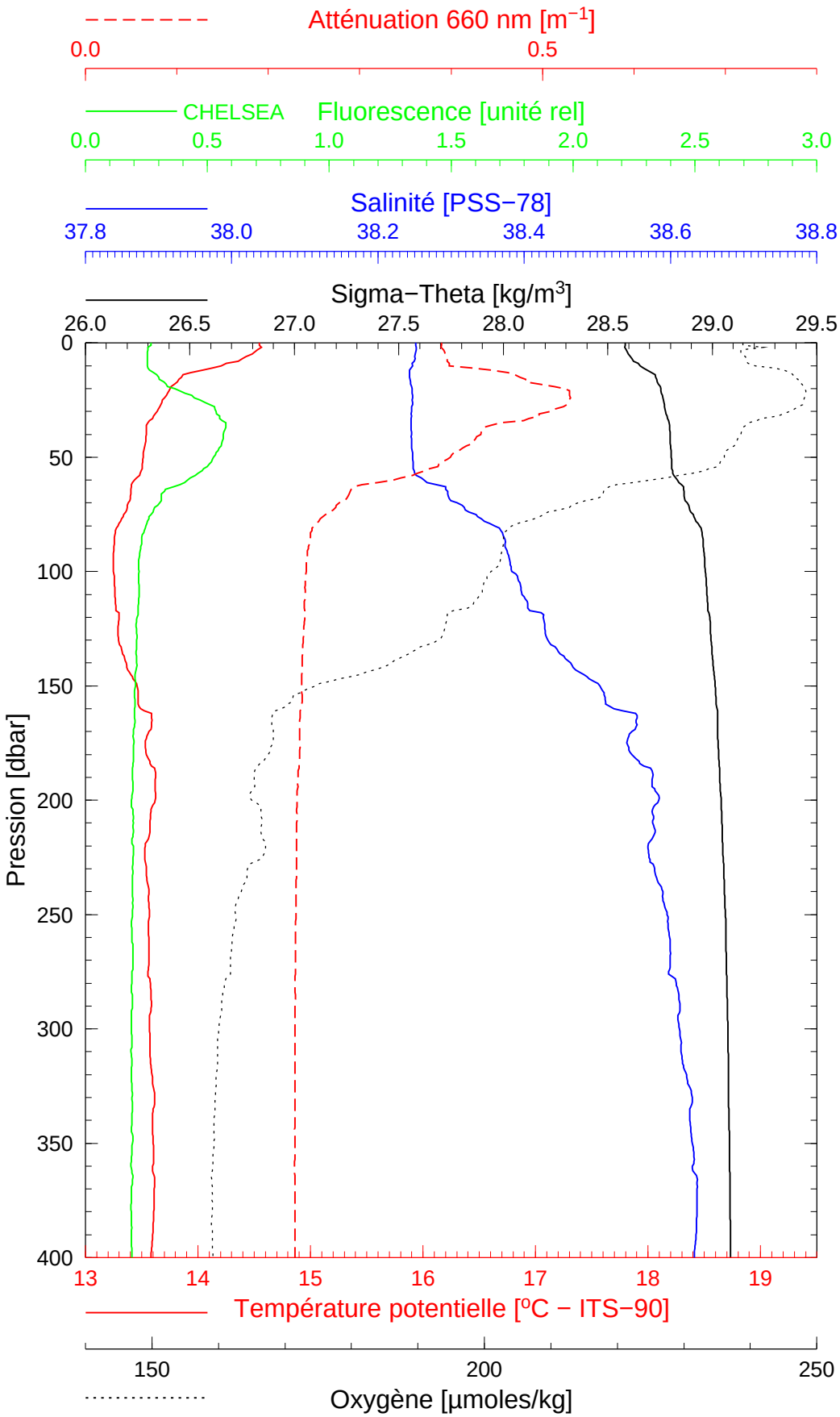


Date *12/04/2015* *Latitude* *43°22.088 N*

Heure déb *09h 22min [TU]* *Longitude* *07°53.810 E*

BOUSSOLE 158 **12/04/2015** **BOUS150412_02**

BOUS005

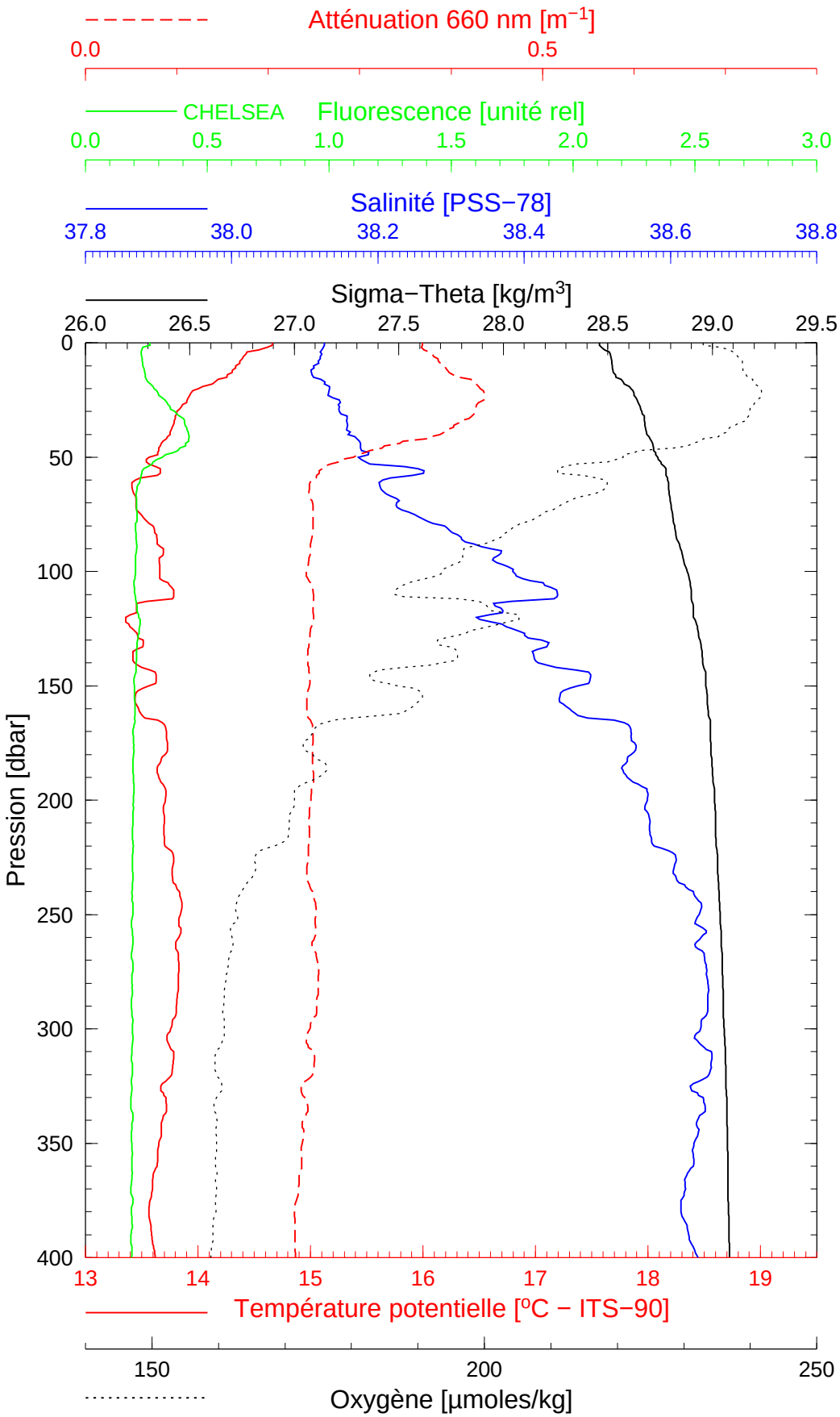


Date *12/04/2015* *Latitude* *43°24.932 N*

Heure déb *12h 11min [TU]* *Longitude* *07°47.963 E*

BOUSSOLE 158 **12/04/2015** **BOUS150412_03**

BOUS006

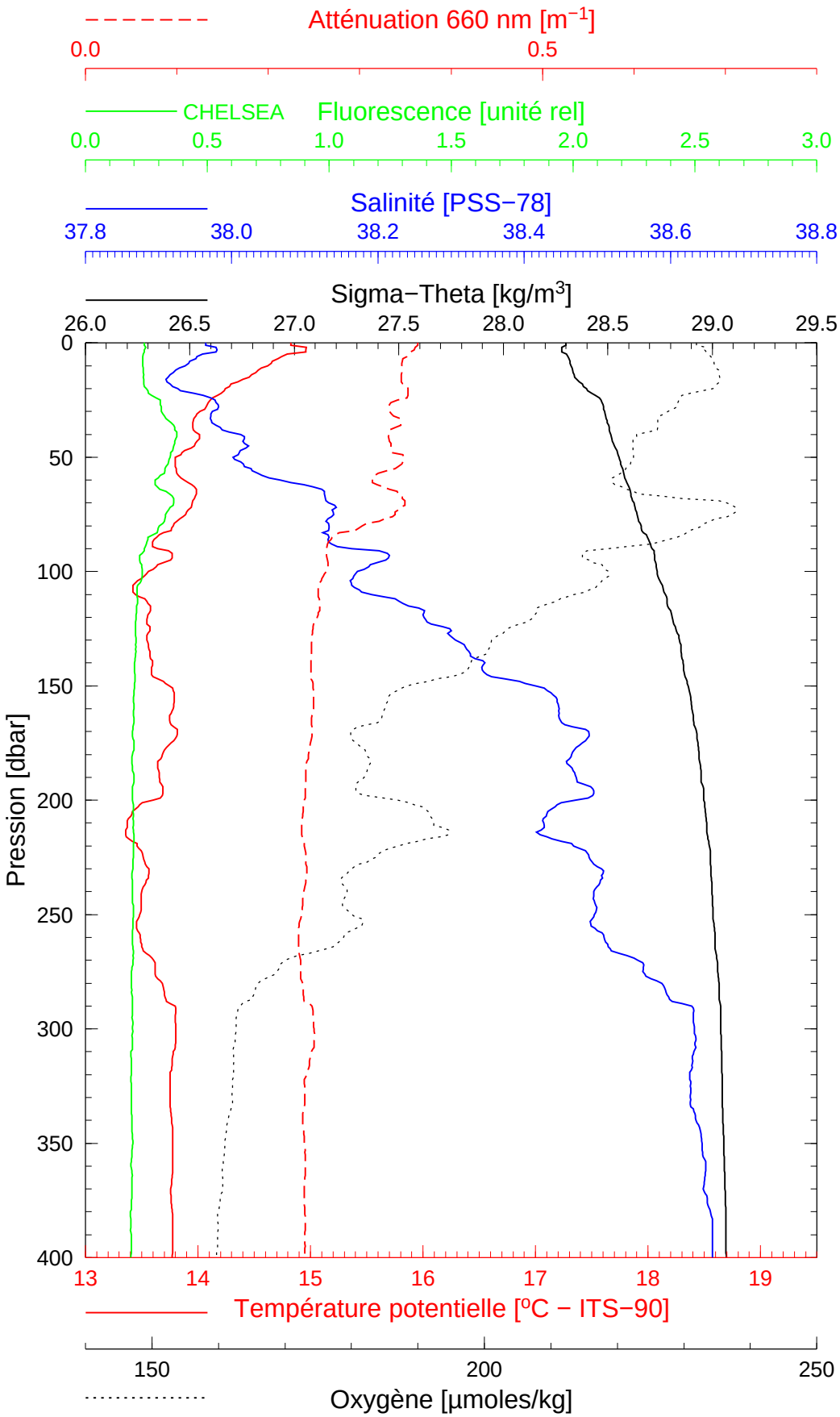


Date *12/04/2015* *Latitude* *43°27.953 N*

Heure déb *13h 18min [TU]* *Longitude* *07°47.872 E*

BOUSSOLE 158 **12/04/2015** **BOUS150412_04**

BOUS007

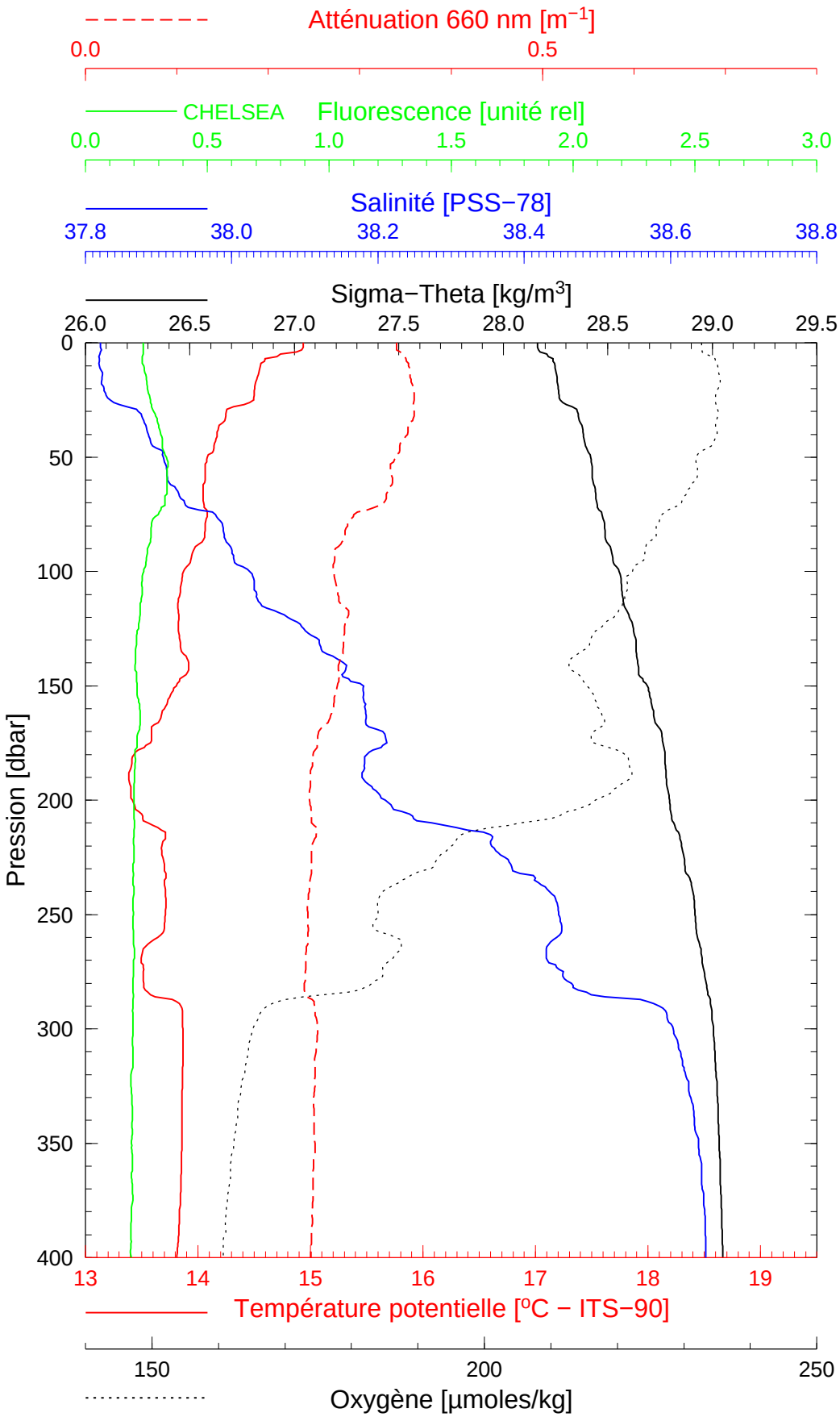


Date *12/04/2015* *Latitude* *43°30.940 N*

Heure déb *14h 16min [TU]* *Longitude* *07°36.837 E*

BOUSSOLE 158 **12/04/2015** **BOUS150412_05**

BOUS008

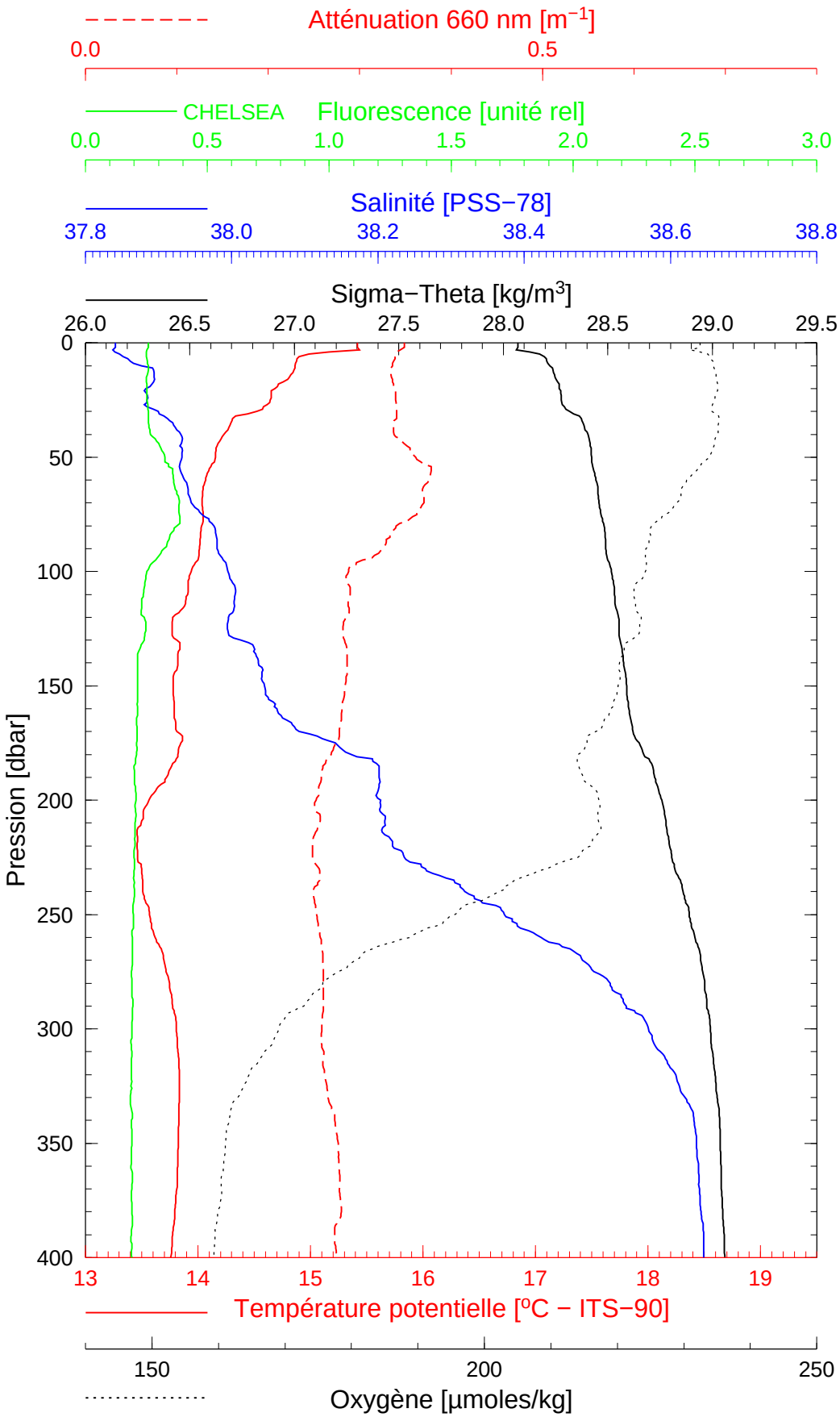


Date *12/04/2015* *Latitude* *43°34.045 N*

Heure déb *15h 17min [TU]* *Longitude* *07°30.948 E*

BOUSSOLE 158 **12/04/2015** **BOUS150412_06**

BOUS009

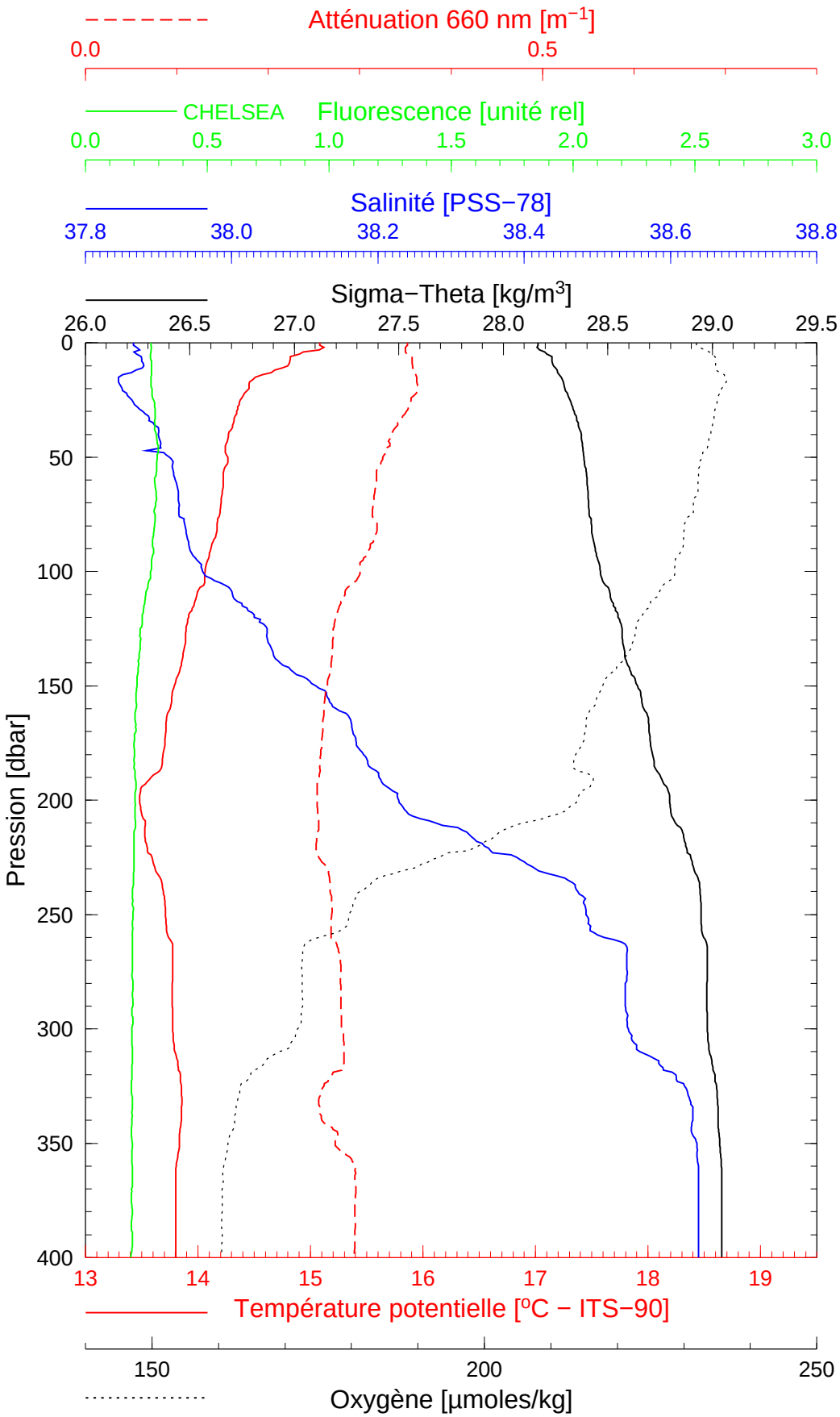


Date *12/04/2015* *Latitude* *43°37.088 N*

Heure déb *16h 14min [TU]* *Longitude* *07°24.960 E*

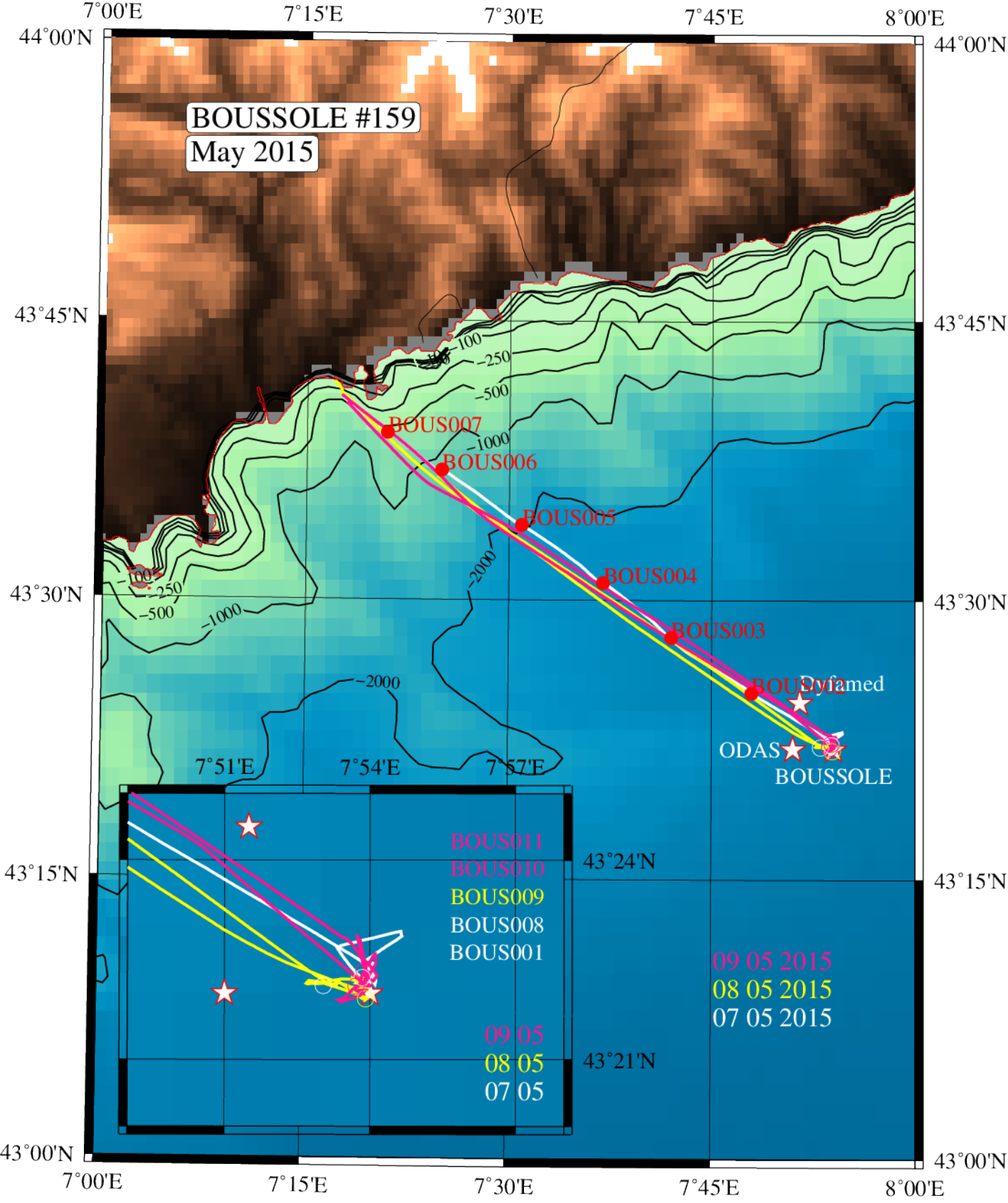
BOUSSOLE 158 **12/04/2015** **BOUS150412_07**

BOUS010



Date *12/04/2015* *Latitude* *43°39.045 N*

Heure déb *17h 09min [TU]* *Longitude* *07°21.060 E*


BOUSSOLE #159
May 2015
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
BOUS007
BOUS006
BOUS005
BOUS004
BOUS003
BOUS002
Dyfamed
ODAS
BOUSSOLE
7°51'E
7°54'E
7°57'E
43°24'N
43°21'N
BOUS011
BOUS010
BOUS009
BOUS008
BOUS001
09 05 2015
08 05 2015
07 05 2015
09 05
08 05
07 05
GMT 2017 Apr 25 08:38:35

Date: 08/03/2017

Instrument configuration file: C:\boussole\Data\CTD\2015\mai2015\ctd\raw\BOUS001.XMLCON

Configuration report for SBE 911plus/917plus CTD

```
Frequency channels suppressed : 2
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 : 2473
   Calibrated on : 16-Apr-15
   G             : 4.36735425e-003
   H             : 6.43361369e-004
   I             : 2.35086423e-005
   J             : 2.25622577e-006
   F0            : 1000.000
   Slope         : 1.00000000
   Offset        : 0.0000
```

2) Frequency 1, Conductivity

```
   Serial number : 1313
   Calibrated on : 16-Apr-15
   G             : -3.93984071e+000
   H             : 4.71474053e-001
   I             : -2.17881662e-004
   J             : 3.85707661e-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
   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        : -0.27039
   AD590M        : 1.280100e-002
   AD590B        : -9.240166e+000
```

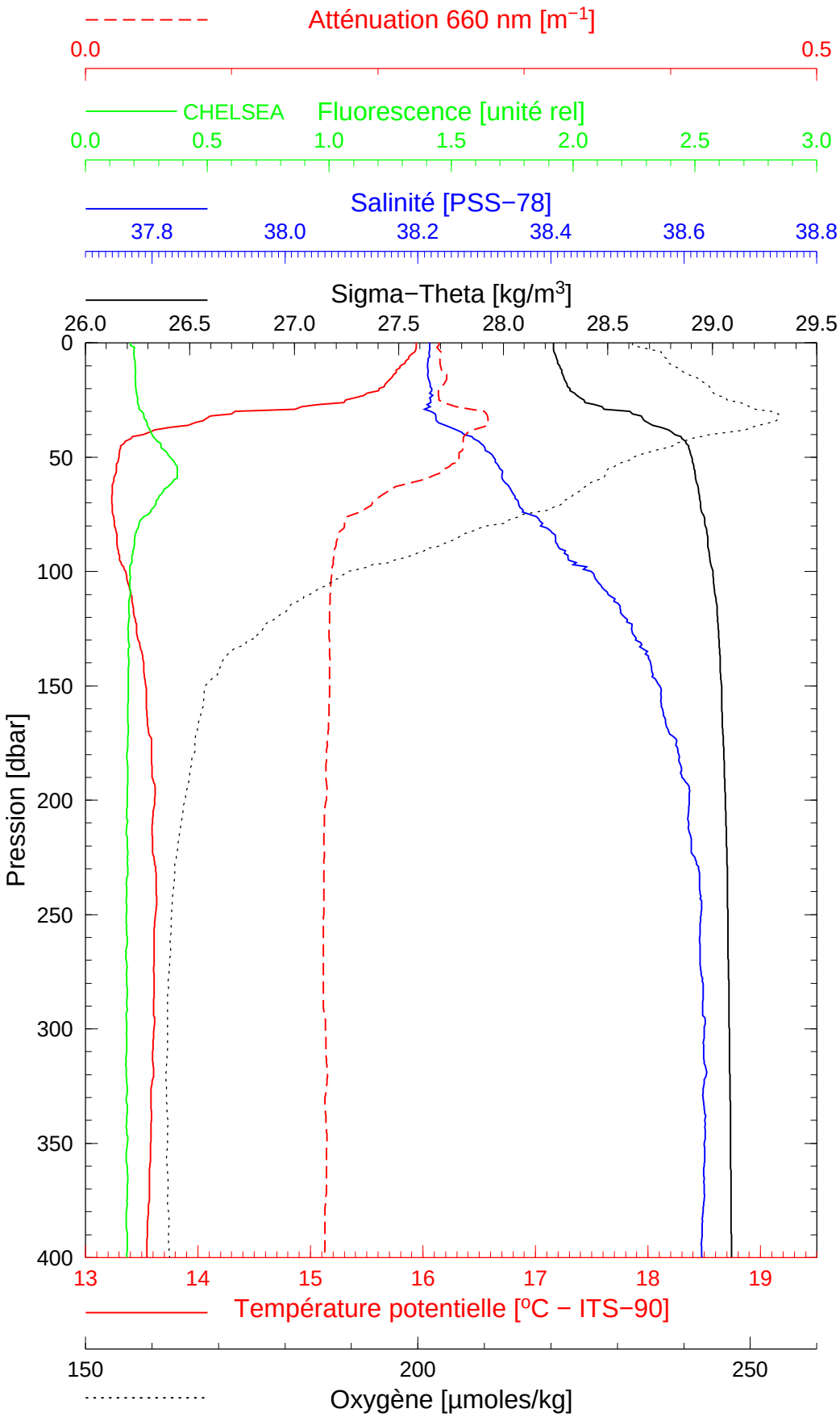
4) A/D voltage 0, Oxygen, SBE 43

```
   Serial number : 0587
   Calibrated on : 14-Mar-15
   Equation      : Sea-Bird
   Soc           : 3.87390e-001
   Offset        : -6.96400e-001
   A             : -3.78820e-003
   B             : 1.52710e-004
   C             : -2.38190e-006
   E             : 3.60000e-002
   Tau20         : 1.17000e+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 : 17-Feb-2012
   M             : 21.5054
   B             : -1.2473
   Path length   : 0.250

8) A/D voltage 4, User Polynomial

   Serial number : 171
   Calibrated on : 19-May-2014
   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-2014
   Sensor name   : RINKOIII_T
   A0            : -5.25367500
   A1            : 16.66254000
   A2            : -2.13105300
   A3            : 0.45564880

Scan length                  : 28
```

BOUSSOLE 159 **07/05/2015** **BOUS150507_01**

BOUS001

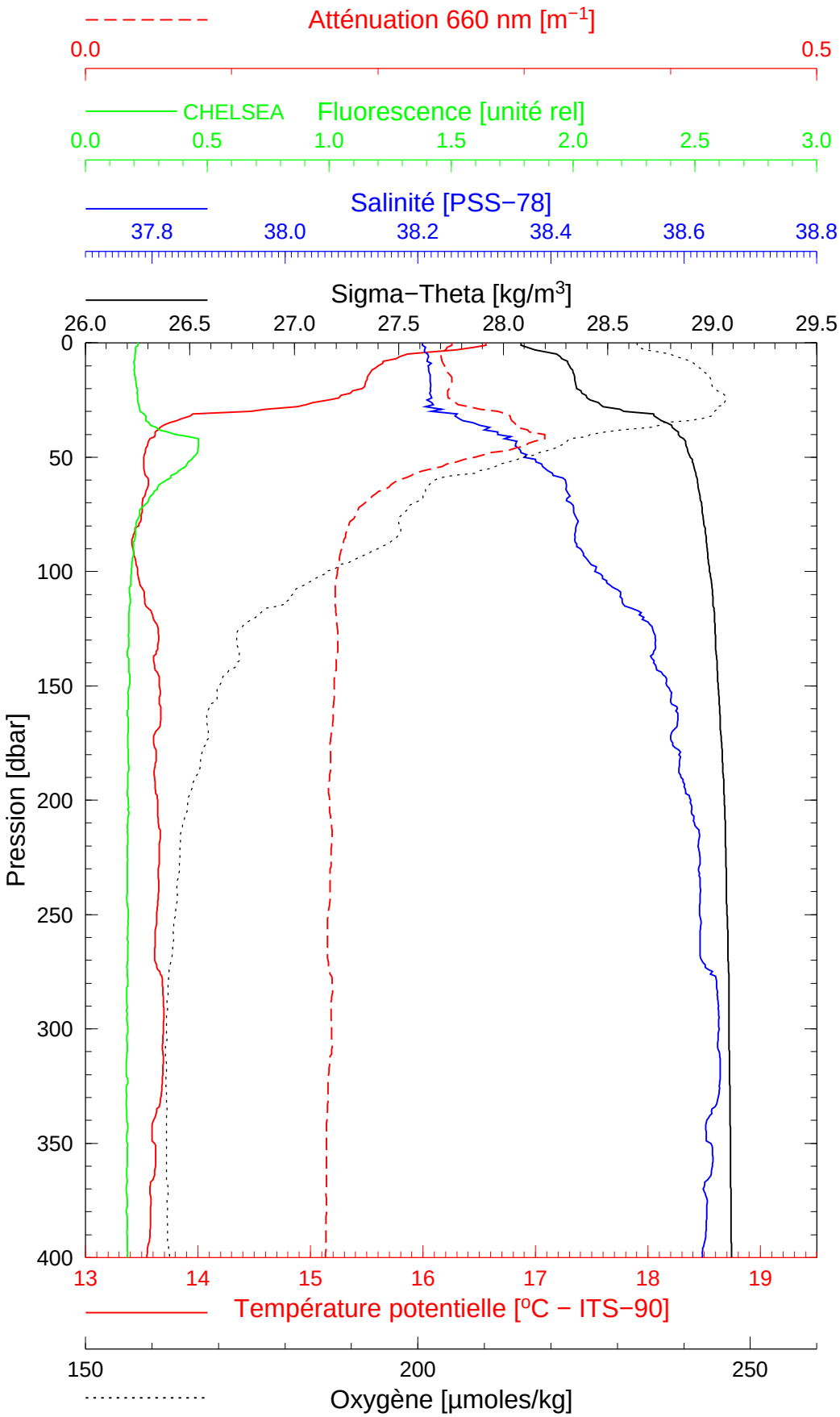


Date *07/05/2015* *Latitude* *43°22.110 N*

Heure déb *09h 24min [TU]* *Longitude* *07°53.040 E*

BOUSSOLE 159 **07/05/2015** **BOUS150507_02**

BOUS002

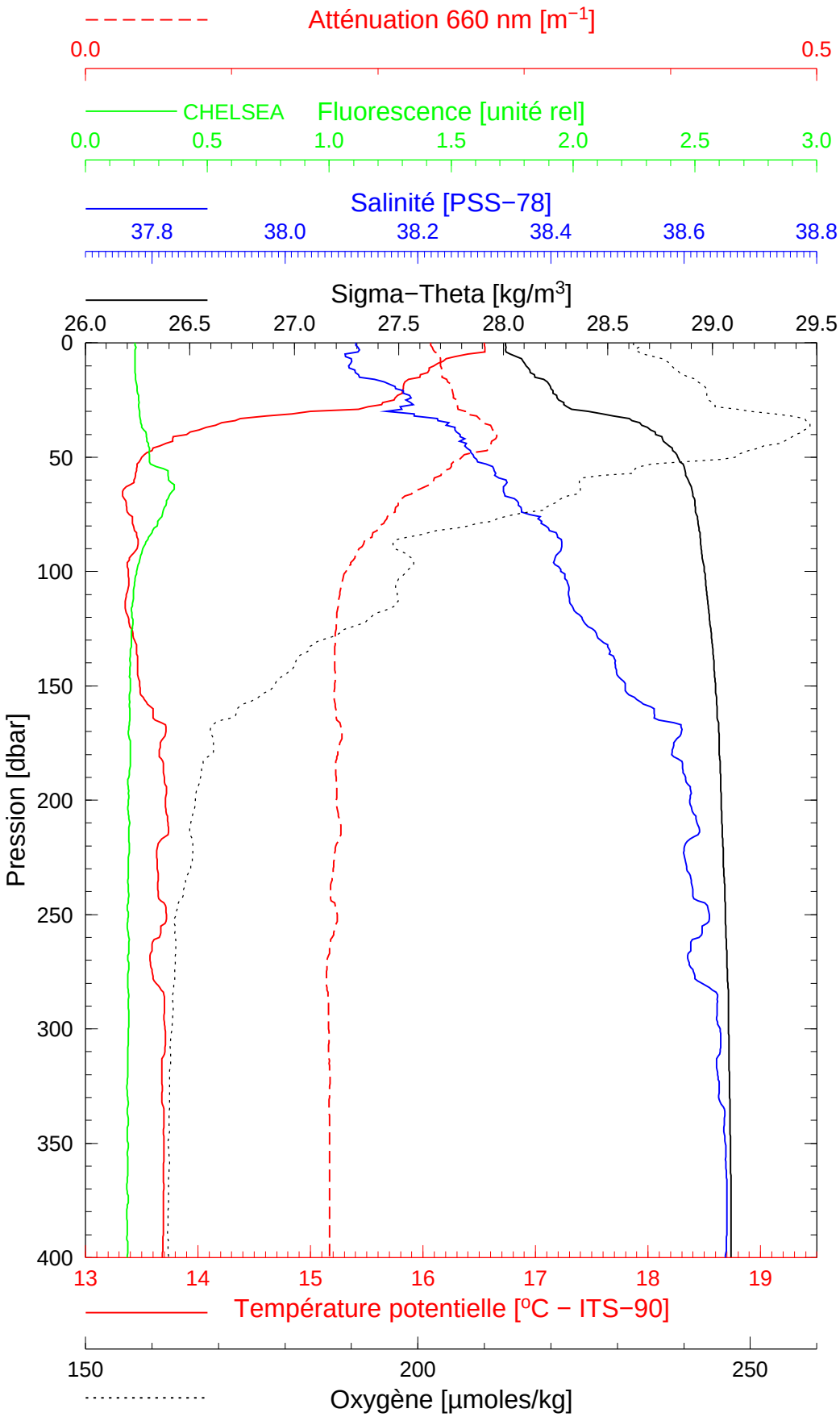


Date *07/05/2015* *Latitude* *43°25.018 N*

Heure déb *12h 58min [TU]* *Longitude* *07°47.950 E*

BOUSSOLE 159 **07/05/2015** **BOUS150507_03**

BOUS003

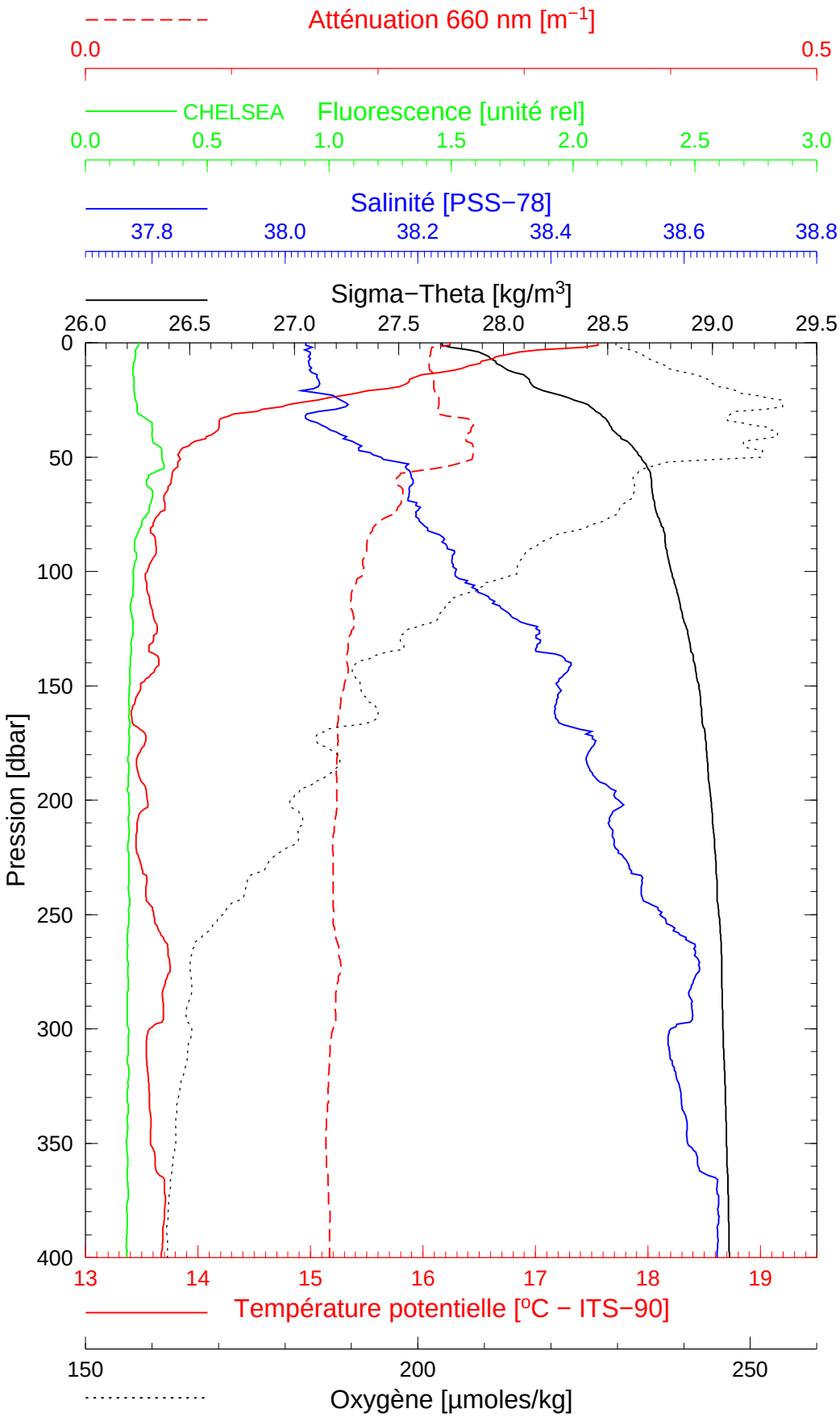


Date *07/05/2015* *Latitude* *43°27.990 N*

Heure déb *13h 59min [TU]* *Longitude* *07°42.010 E*

BOUSSOLE 159 **07/05/2015** **BOUS150507_04**

BOUS004

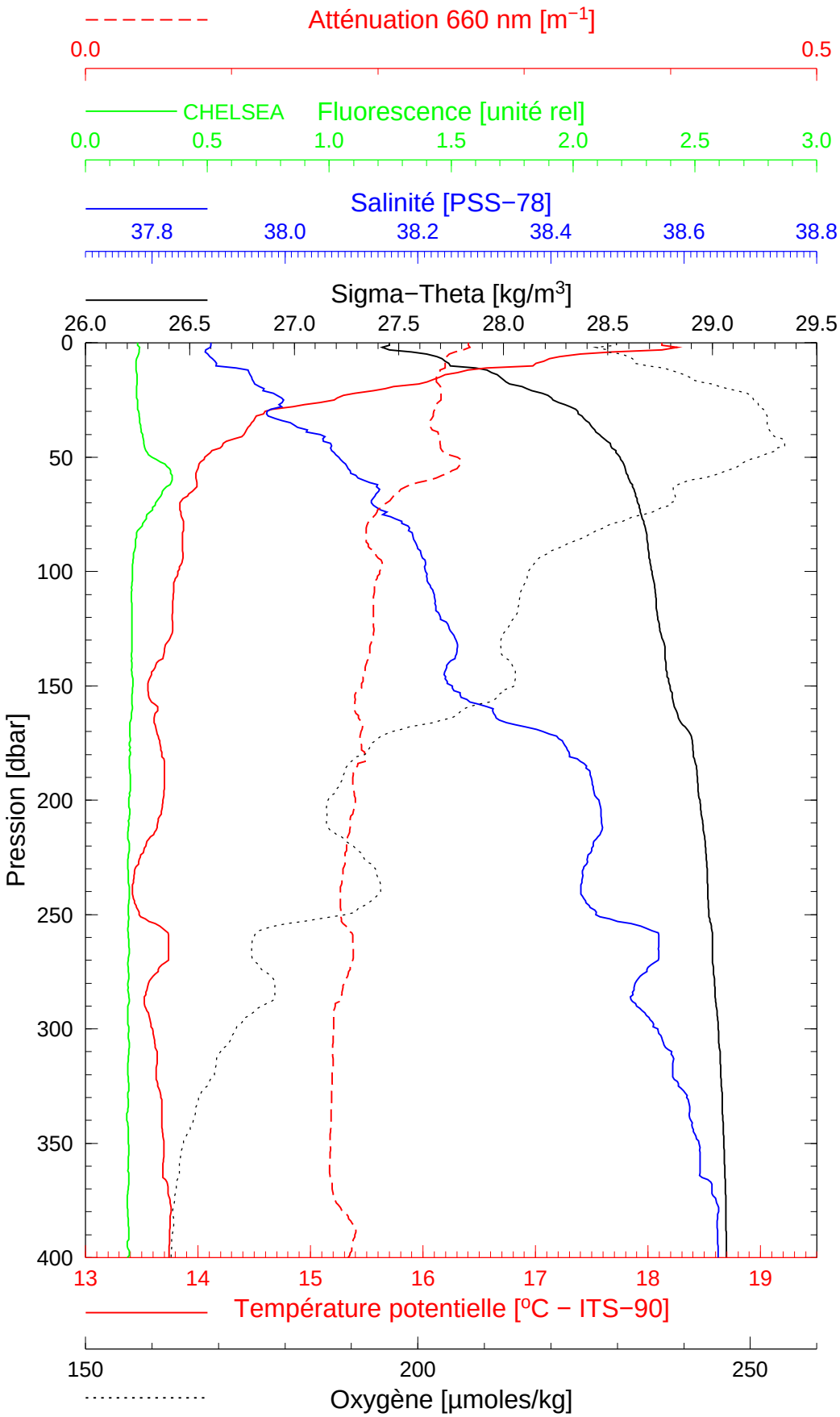


Date *07/05/2015* *Latitude* *43°30.930 N*

Heure déb *14h 57min [TU]* *Longitude* *07°36.960 E*

BOUSSOLE 159 **07/05/2015** **BOUS150507_05**

BOUS005

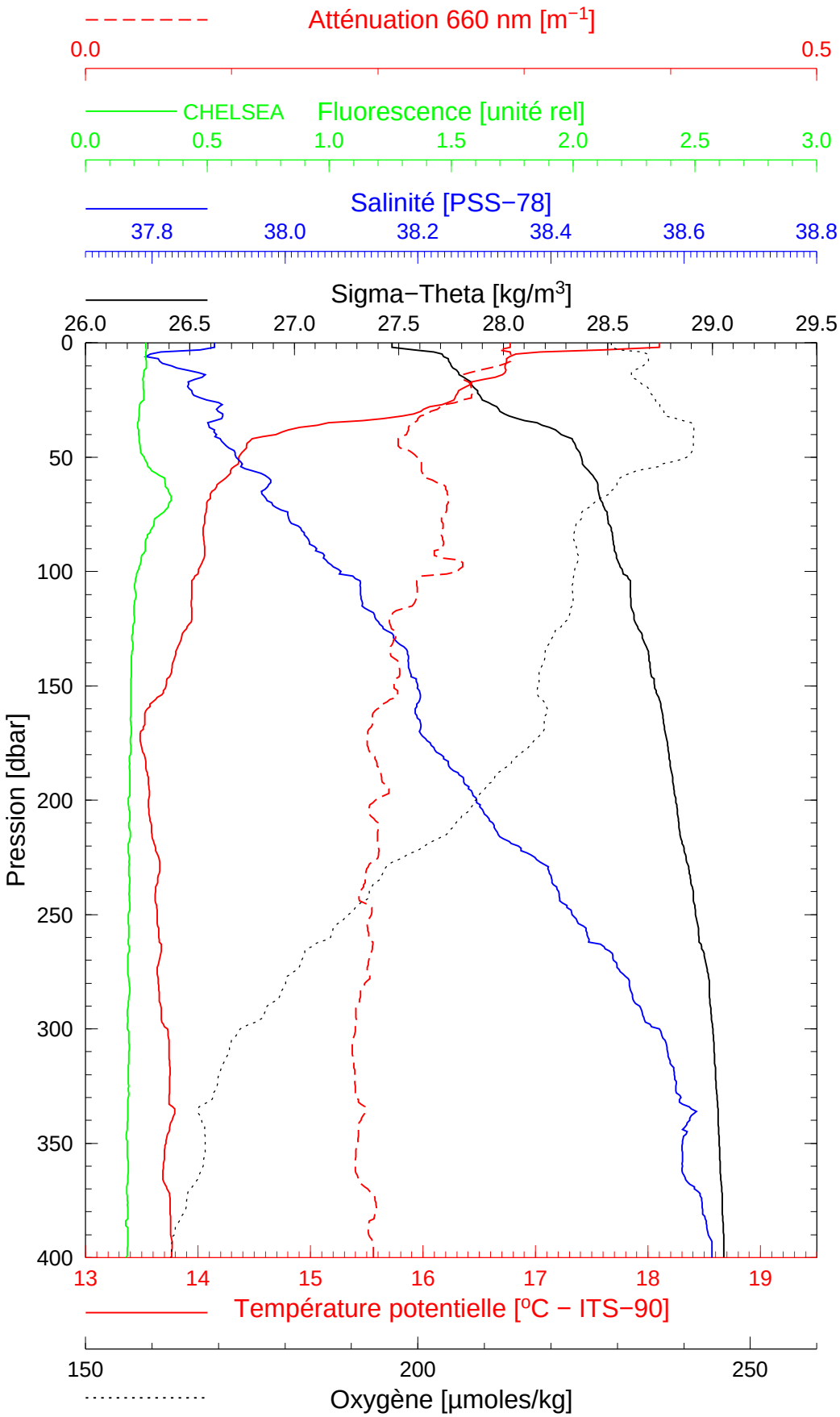


Date *07/05/2015* *Latitude* *43°34.030 N*

Heure déb *15h 55min [TU]* *Longitude* *07°30.940 E*

BOUSSOLE 159 **07/05/2015** **BOUS150507_06**

BOUS006

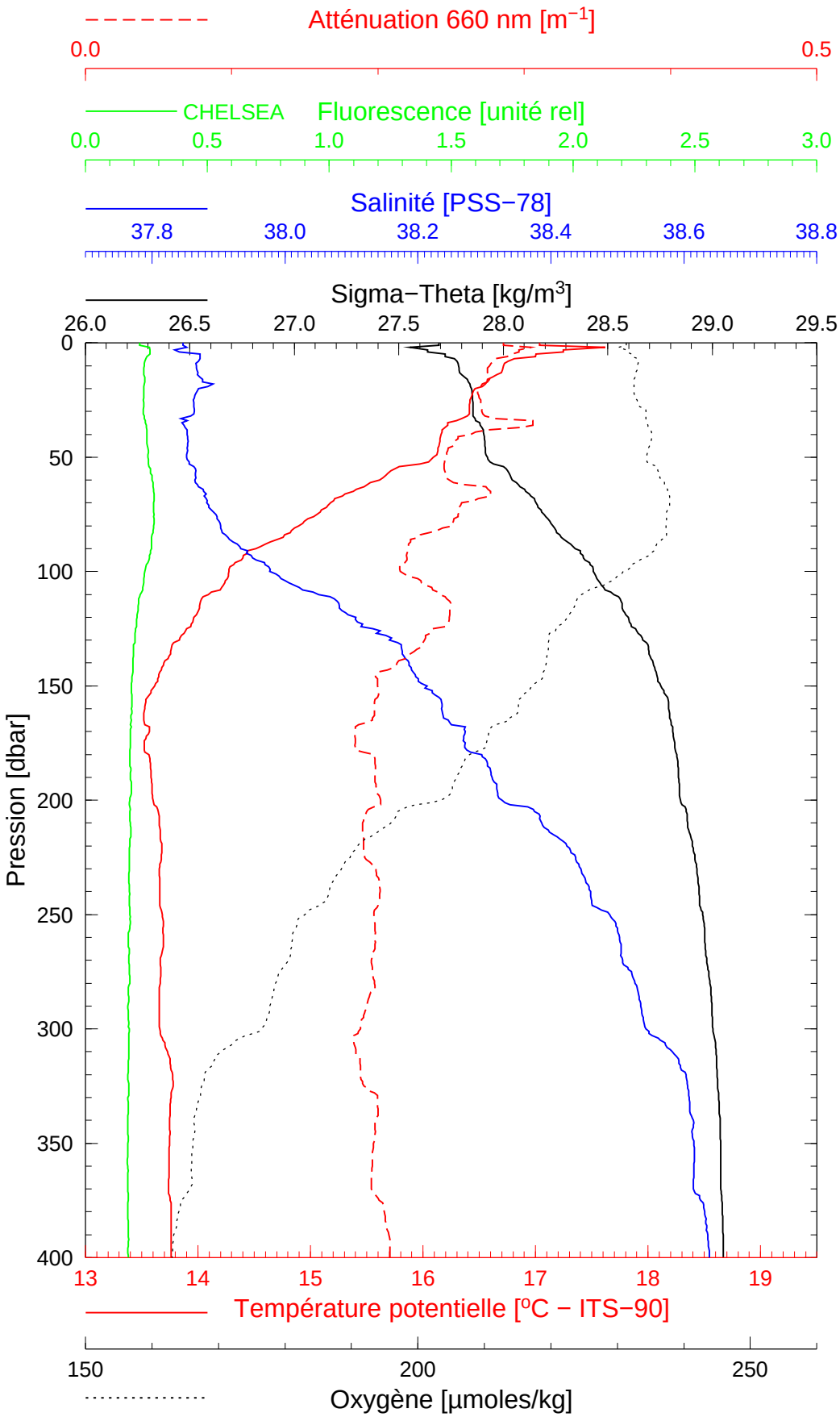


Date *07/05/2015* *Latitude* *43°36.960 N*

Heure déb *16h 52min [TU]* *Longitude* *07°25.000 E*

BOUSSOLE 159 **07/05/2015** **BOUS150507_07**

BOUS007

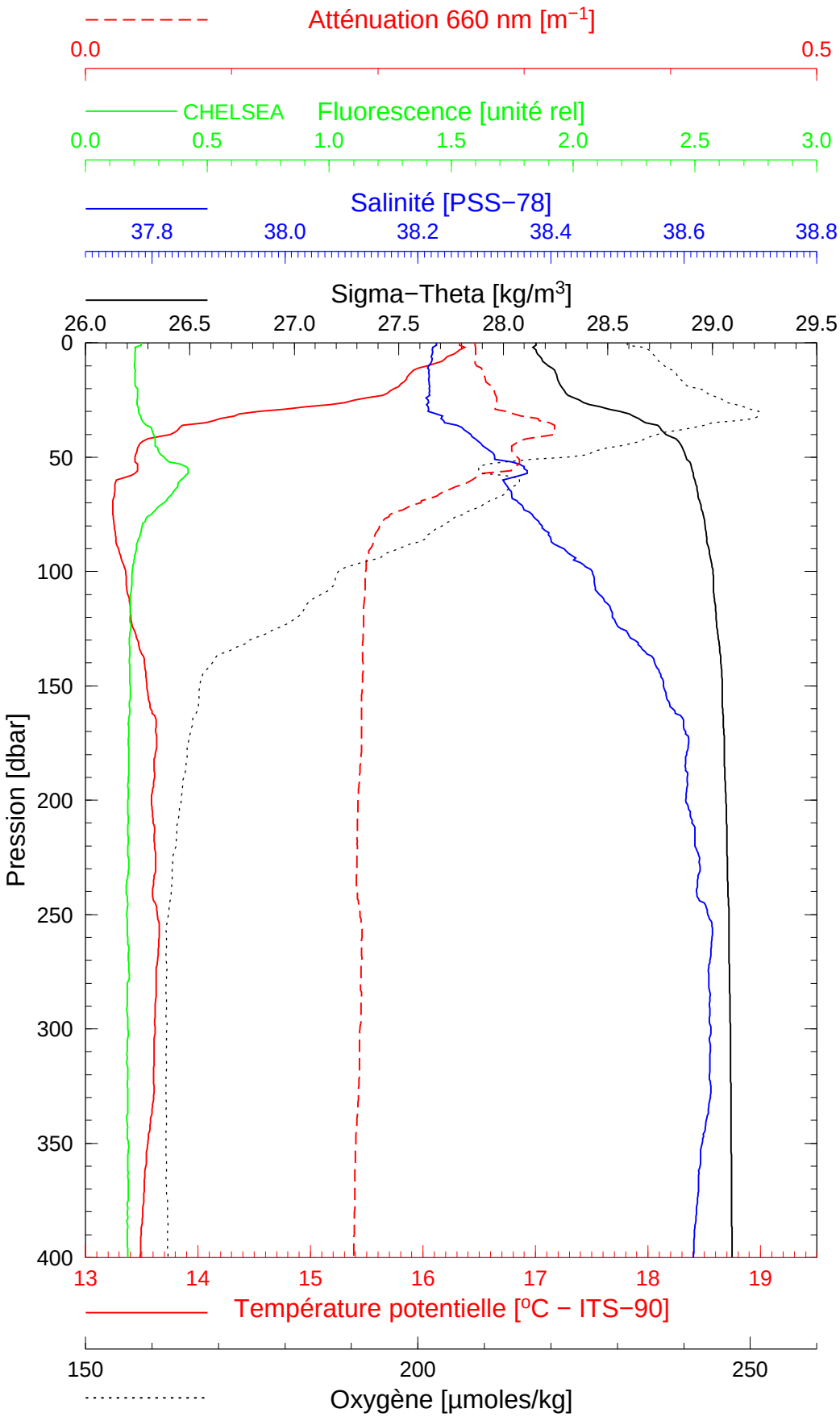


Date *07/05/2015* *Latitude* *43°38.950 N*

Heure déb *17h 40min [TU]* *Longitude* *07°20.940 E*

BOUSSOLE 159 **07/05/2015** **BOUS150508_01**

BOUS008

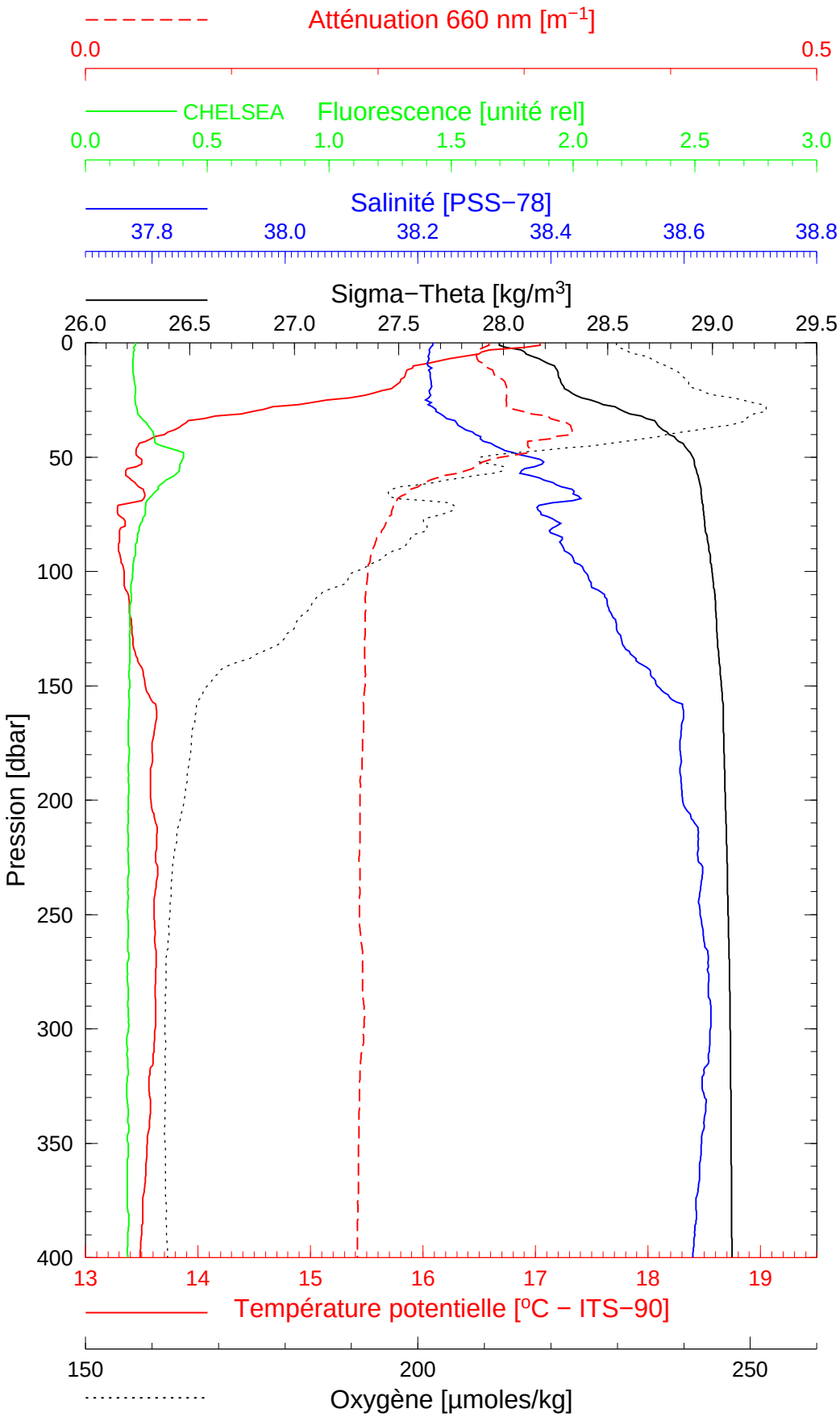


Date *07/05/2015* *Latitude* *43°22.230 N*

Heure déb *09h 40min [TU]* *Longitude* *07°53.840 E*

BOUSSOLE 159 **08/05/2015** **BOUS150508_02**

BOUS009

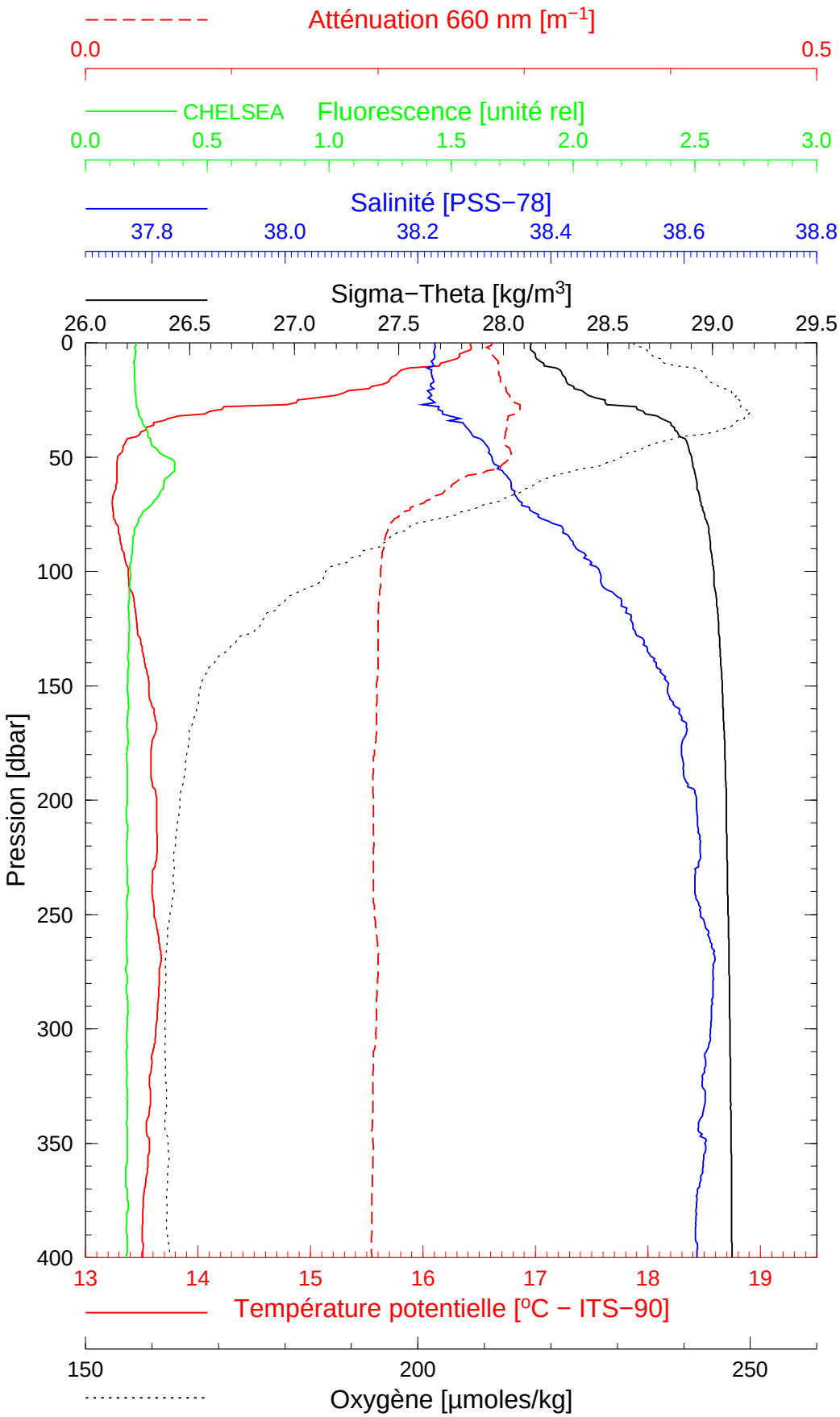


Date *08/05/2015* *Latitude* *43°21.910 N*

Heure déb *11h 58min [TU]* *Longitude* *07°53.910 E*

BOUSSOLE 159 **09/05/2015** **BOUS150509_01**

BOUS010

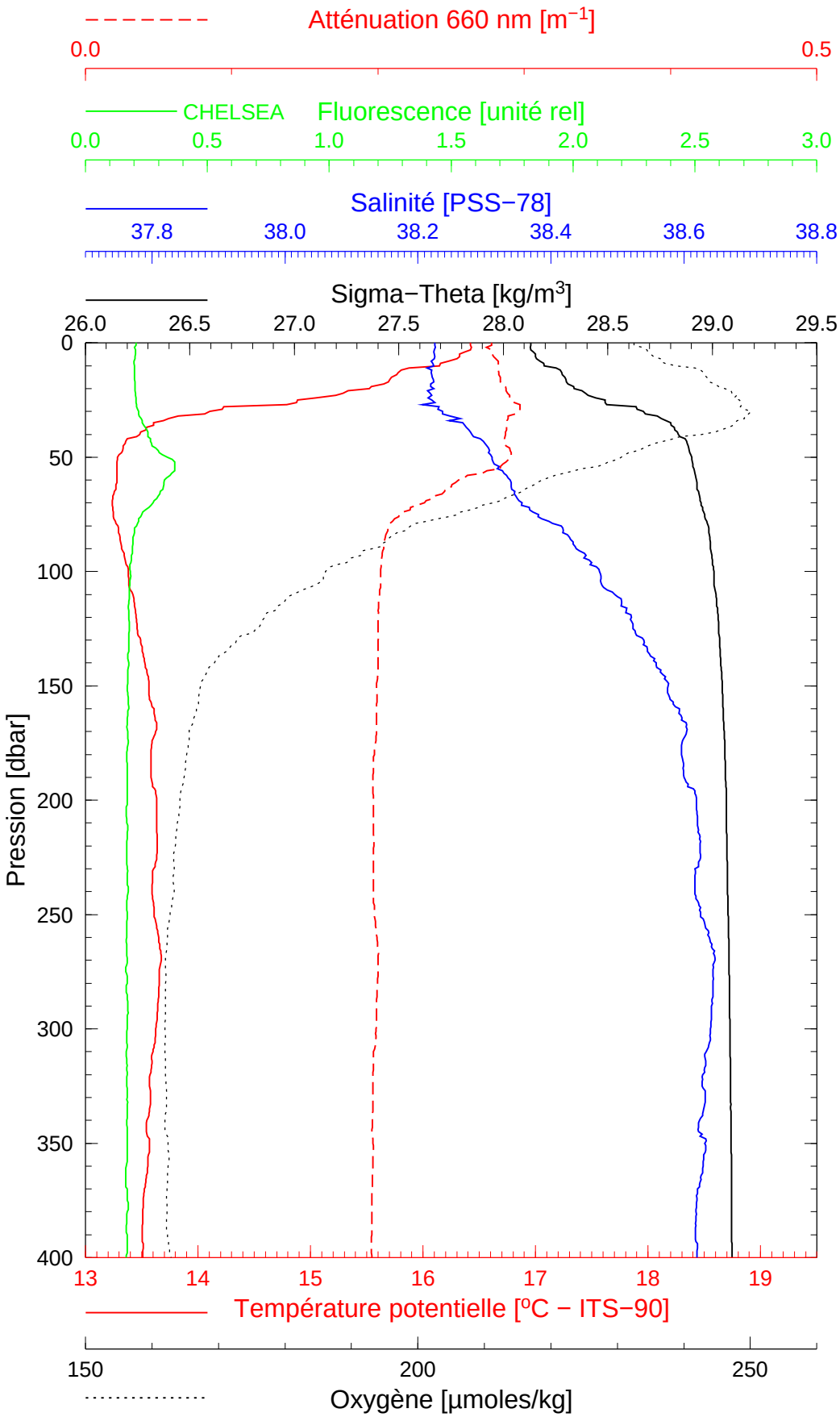


Date *09/05/2015* *Latitude* *43°22.102 N*

Heure déb *09h 15min [TU]* *Longitude* *07°53.713 E*

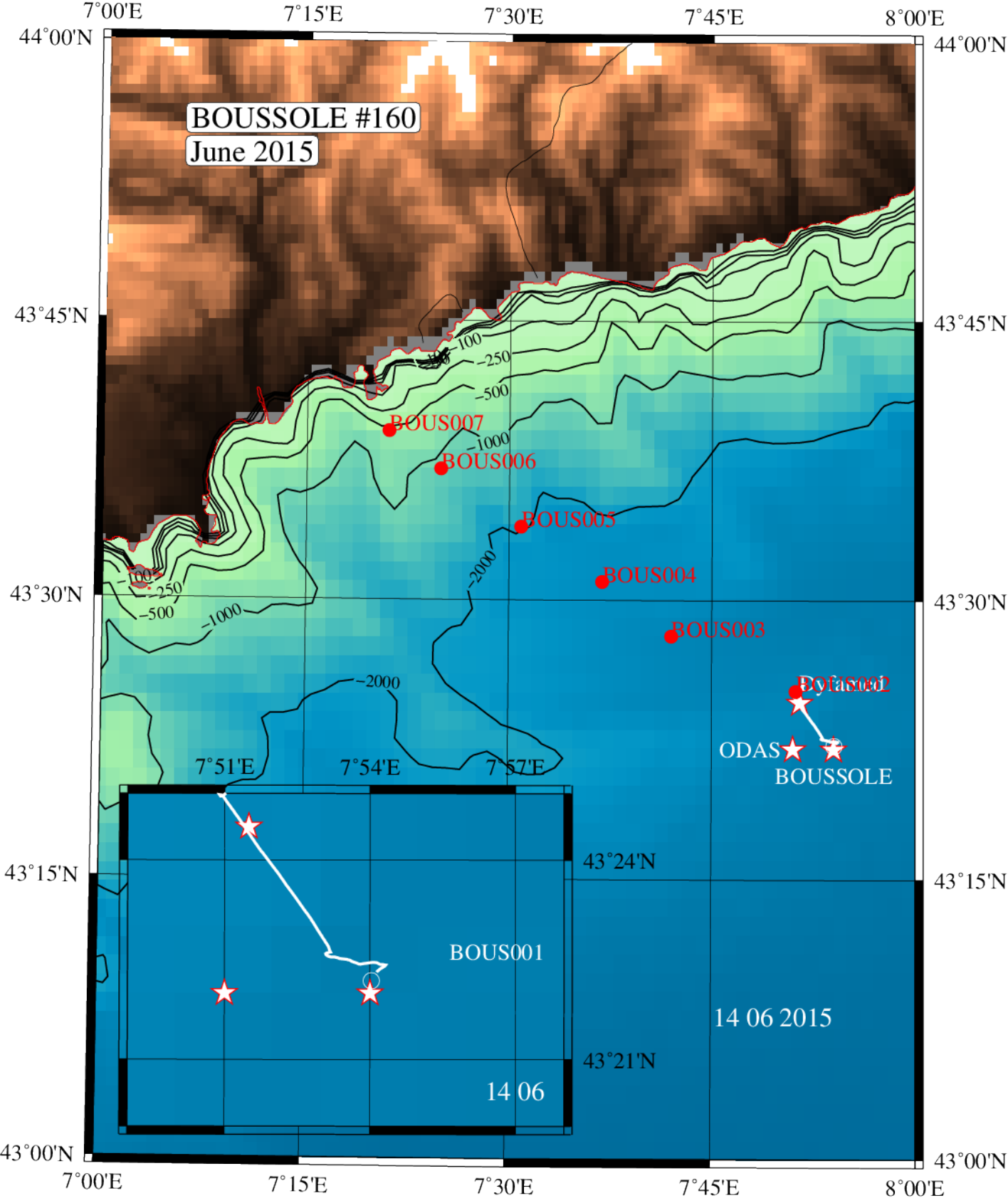
BOUSSOLE 159 **09/05/2015** **BOUS150509_02**

BOUS010



Date *09/05/2015* *Latitude* *43°22.102 N*

Heure déb *09h 15min [TU]* *Longitude* *07°53.713 E*



GMT 2017 Apr 25 08:38:39

Date: 08/03/2017

Instrument configuration file: C:\boussole\Data\CTD\2015\juin2015\ctd\raw\BOUS001.XMLCON

Configuration report for SBE 911plus/917plus CTD

```
Frequency channels suppressed : 2
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 : 01-May-14
   G             : 4.87129842e-003
   H             : 6.79847310e-004
   I             : 2.74271354e-005
   J             : 2.21364376e-006
   F0            : 1000.000
   Slope         : 1.00000000
   Offset        : 0.0000
```

2) Frequency 1, Conductivity

```
   Serial number : 2929
   Calibrated on : 06-May-14
   G             : -1.06059420e+001
   H             : 1.42246367e+000
   I             : -1.04093771e-004
   J             : 7.68097949e-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
   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        : -0.27039
   AD590M        : 1.280100e-002
   AD590B        : -9.240166e+000
```

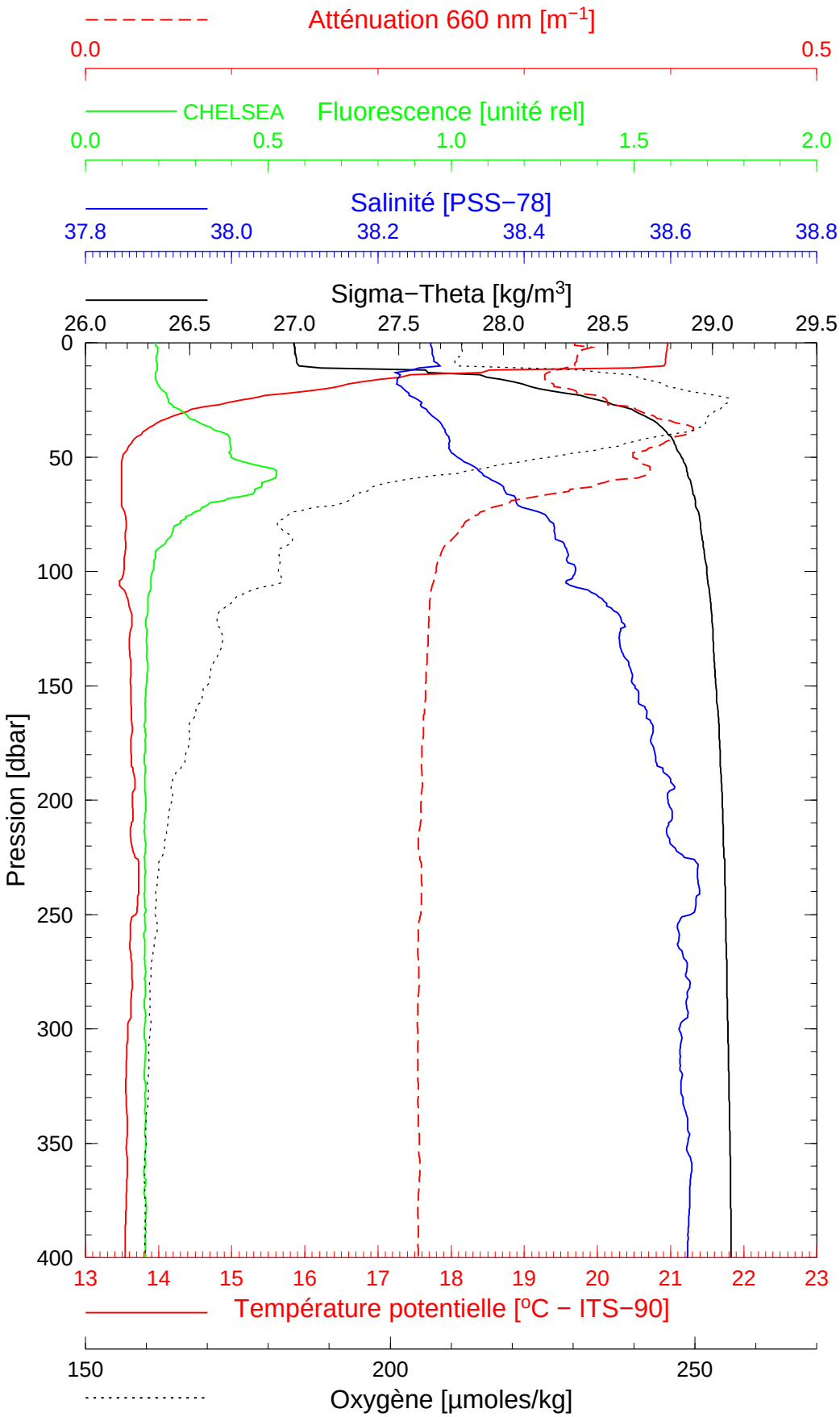
4) A/D voltage 0, Oxygen, SBE 43

```
   Serial number : 0378
   Calibrated on : 23-May-14
   Equation      : Sea-Bird
   Soc           : 3.63660e-001
   Offset        : -6.58900e-001
   A             : -3.40840e-003
   B             : 1.71230e-004
   C             : -3.00650e-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

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 : 17-Feb-2012
   M             : 21.5054
   B             : -1.2473
   Path length   : 0.250

8) A/D voltage 4, User Polynomial

   Serial number : 171
   Calibrated on : 19-May-2014
   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-2014
   Sensor name   : RINKOIII_T
   A0            : -5.25367500
   A1            : 16.66254000
   A2            : -2.13105300
   A3            : 0.45564880

Scan length                  : 28
```

BOUSSOLE 160 **14/06/2015** **BOUS150614_01**

BOUS001

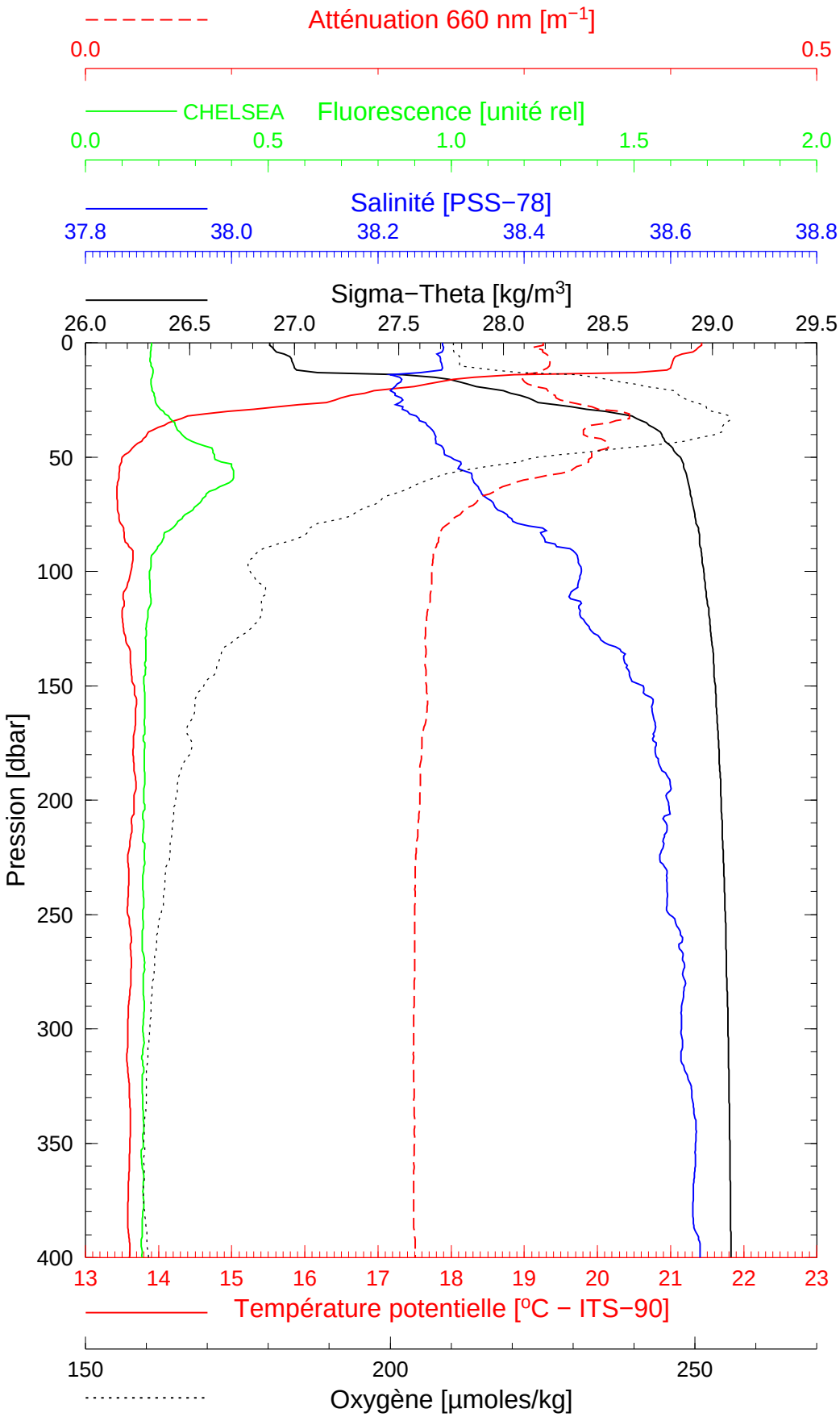


Date *14/06/2015* *Latitude* *43°22.182 N*

Heure déb *09h 19min [TU]* *Longitude* *07°54.028 E*

BOUSSOLE 160 **14/06/2015** **BOUS150614_02**

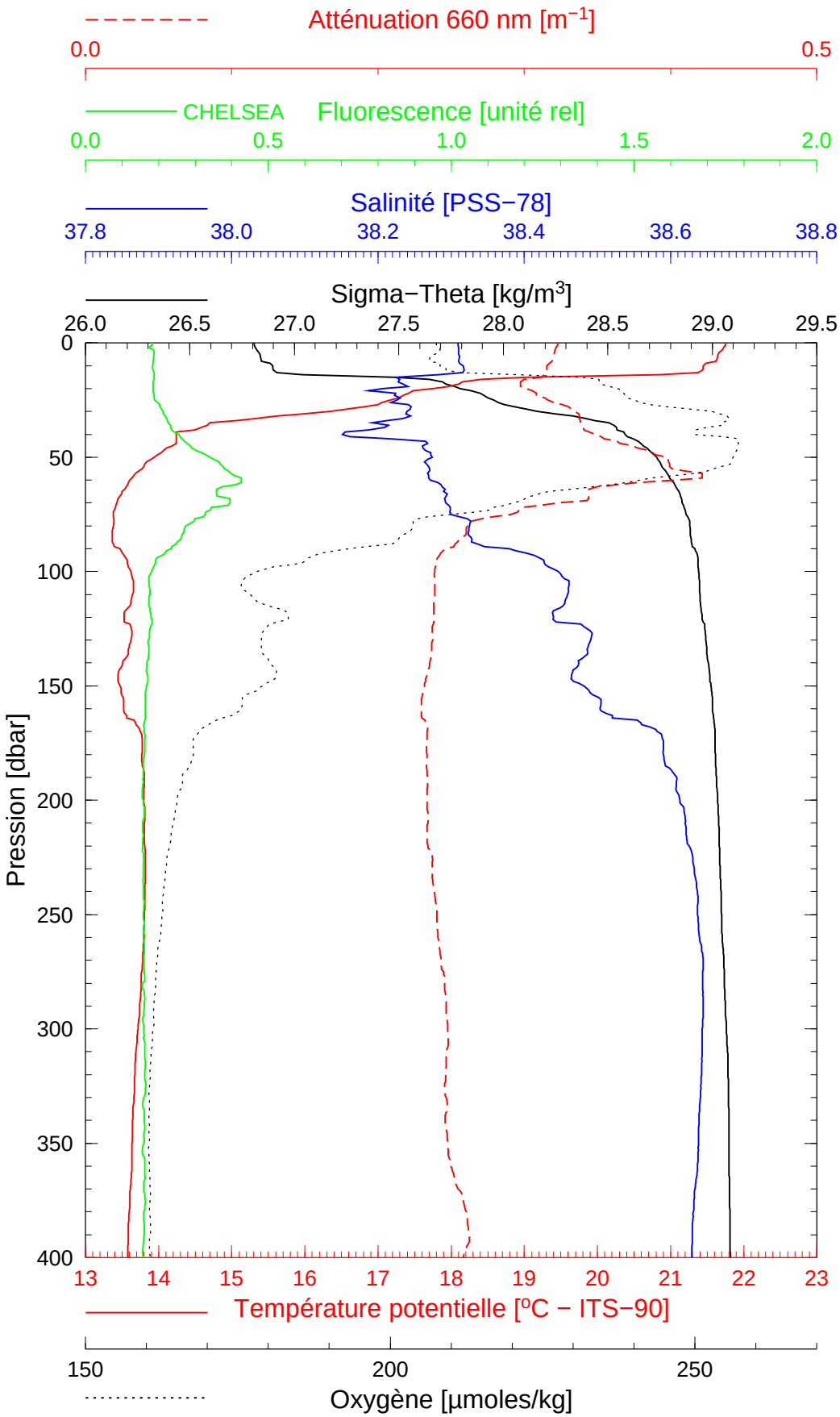
BOUS002



Date	*14/06/2015*	*Latitude*	*43°25.117 N*
Heure déb	*12h 23min [TU]*	*Longitude*	*07°51.196 E*

BOUSSOLE 160 **14/06/2015** **BOUS150614_03**

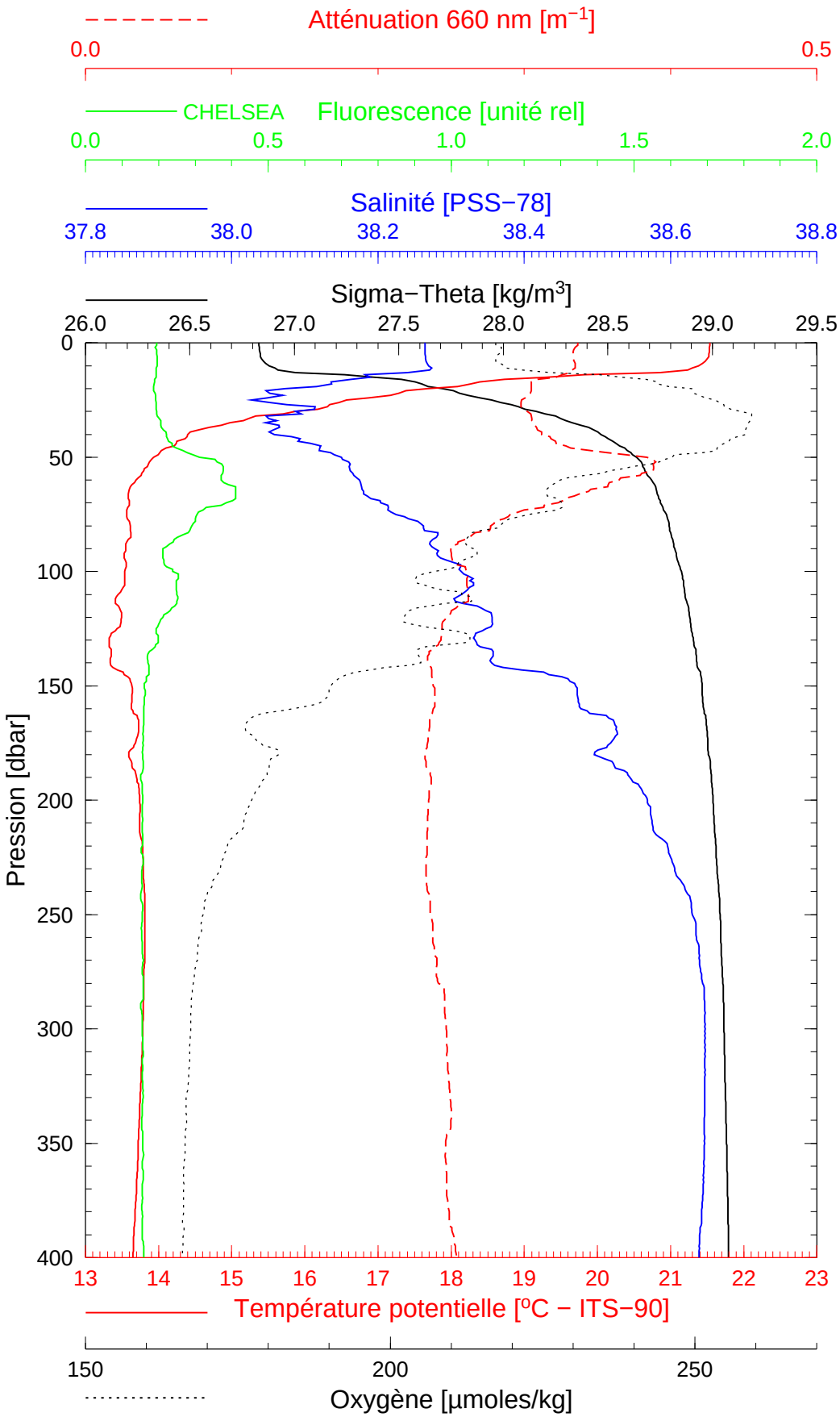
BOUS003



Date	*14/06/2015*	*Latitude*	*43o28.076 N*
Heure déb	*15h 13min [TU]*	*Longitude*	*07o42.016 E*

BOUSSOLE 160 **14/06/2015** **BOUS150614_04**

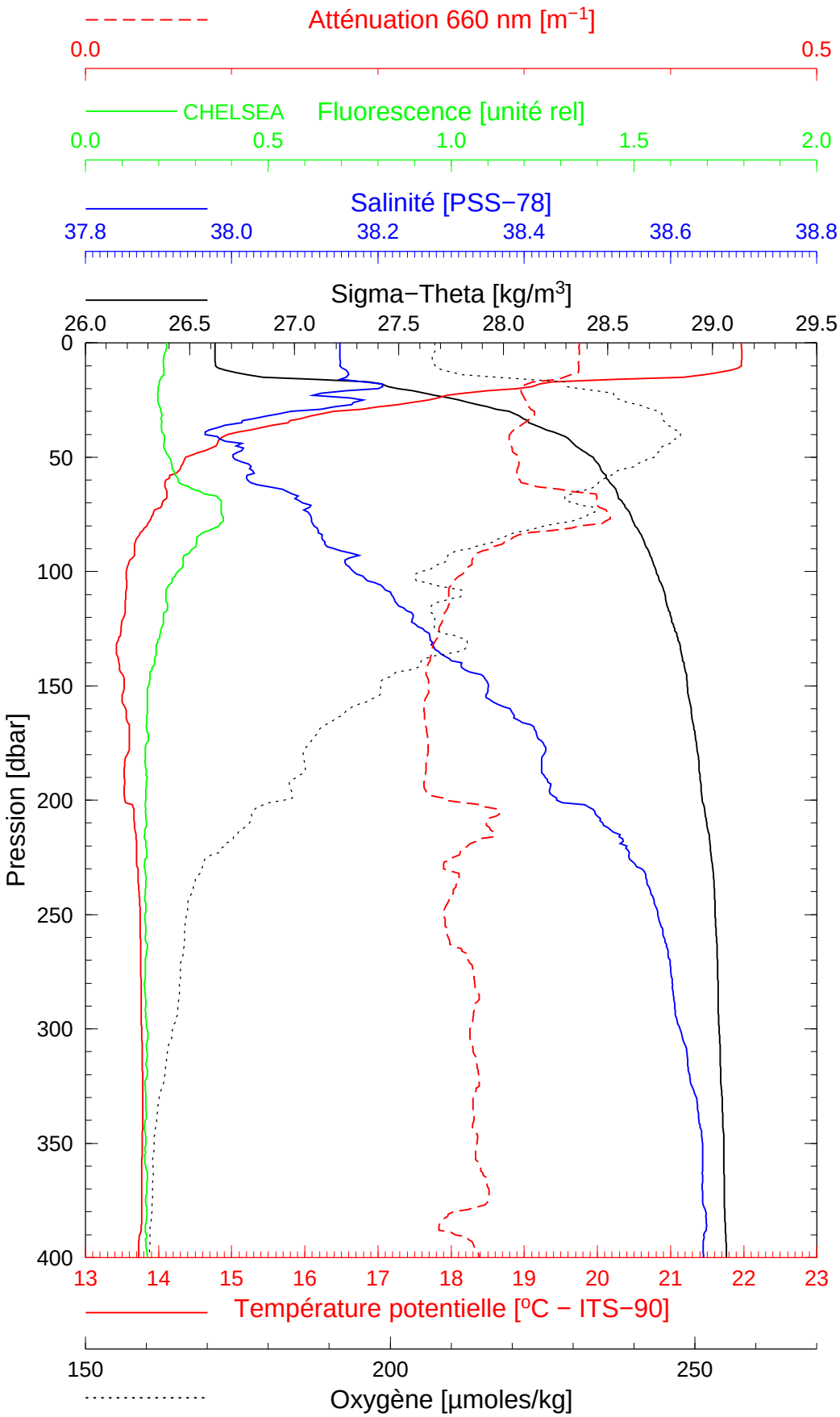
BOUS004



Date	*14/06/2015*	*Latitude*	*43°30.992 N*
Heure déb	*16h 58min [TU]*	*Longitude*	*07°36.900 E*

BOUSSOLE 160 **14/06/2015** **BOUS150614_05**

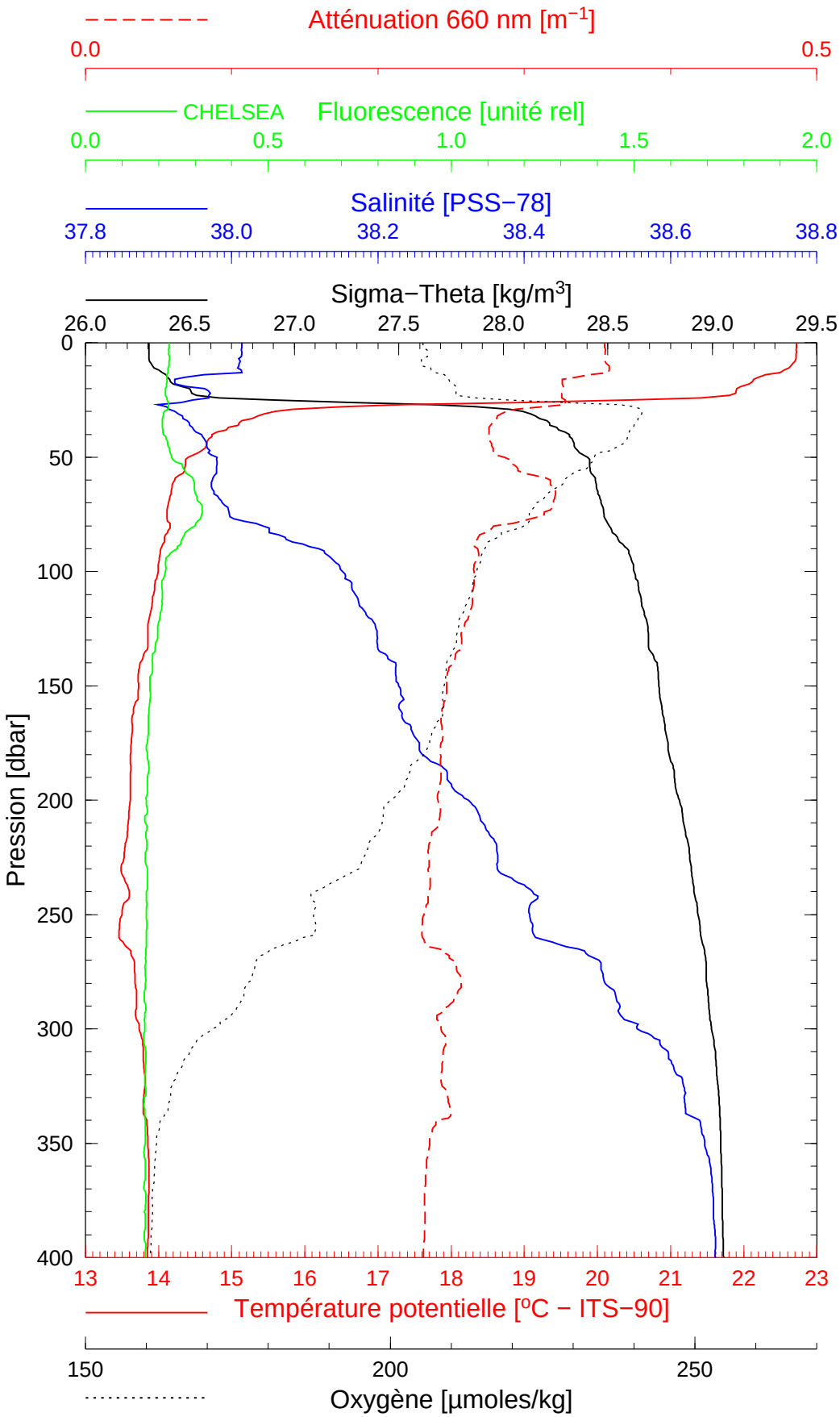
BOUS005



Date	*14/06/2015*	*Latitude*	*43°33.925 N*
Heure déb	*18h 00min [TU]*	*Longitude*	*07°30.887 E*

BOUSSOLE 160 **14/06/2015** **BOUS150614_06**

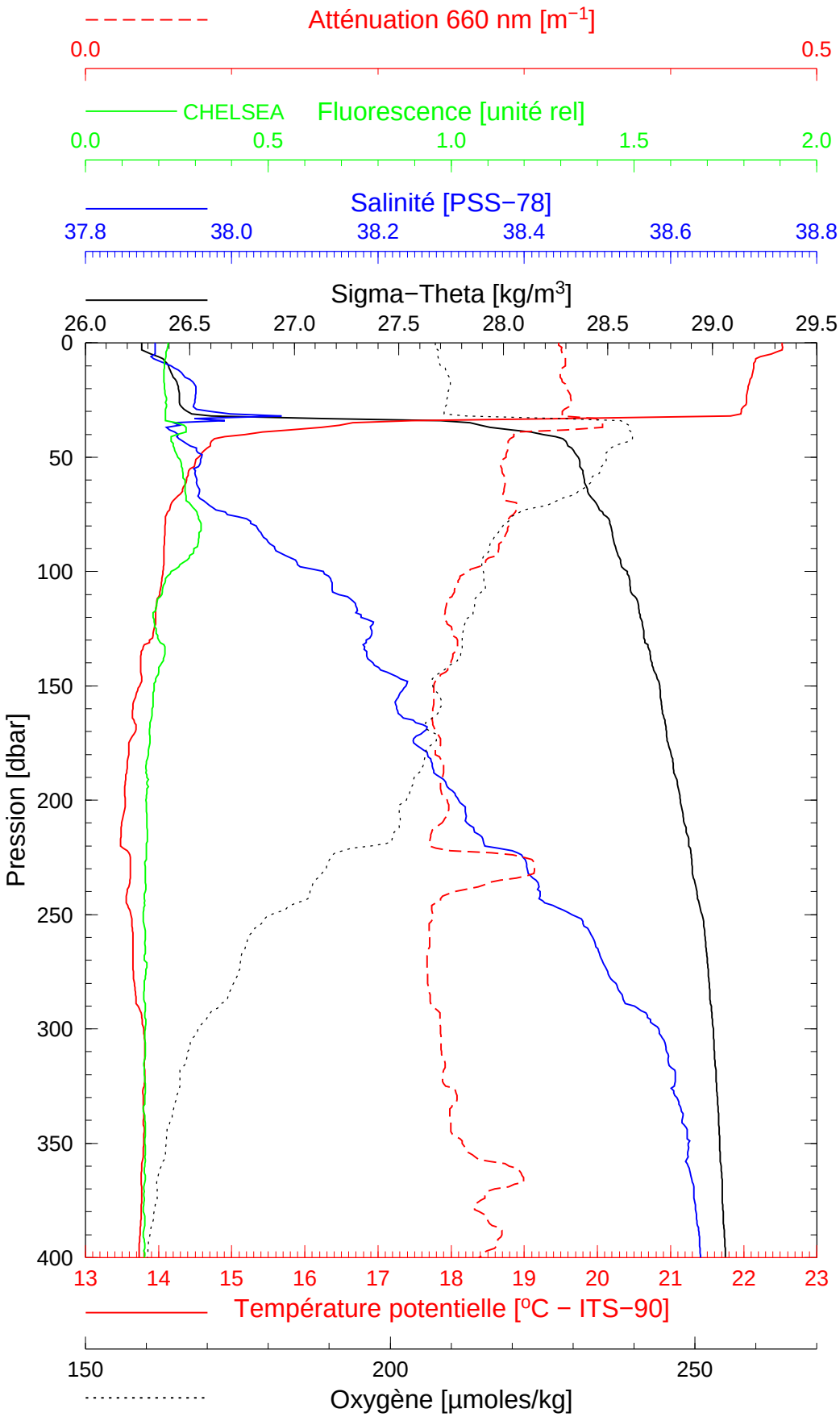
BOUS006



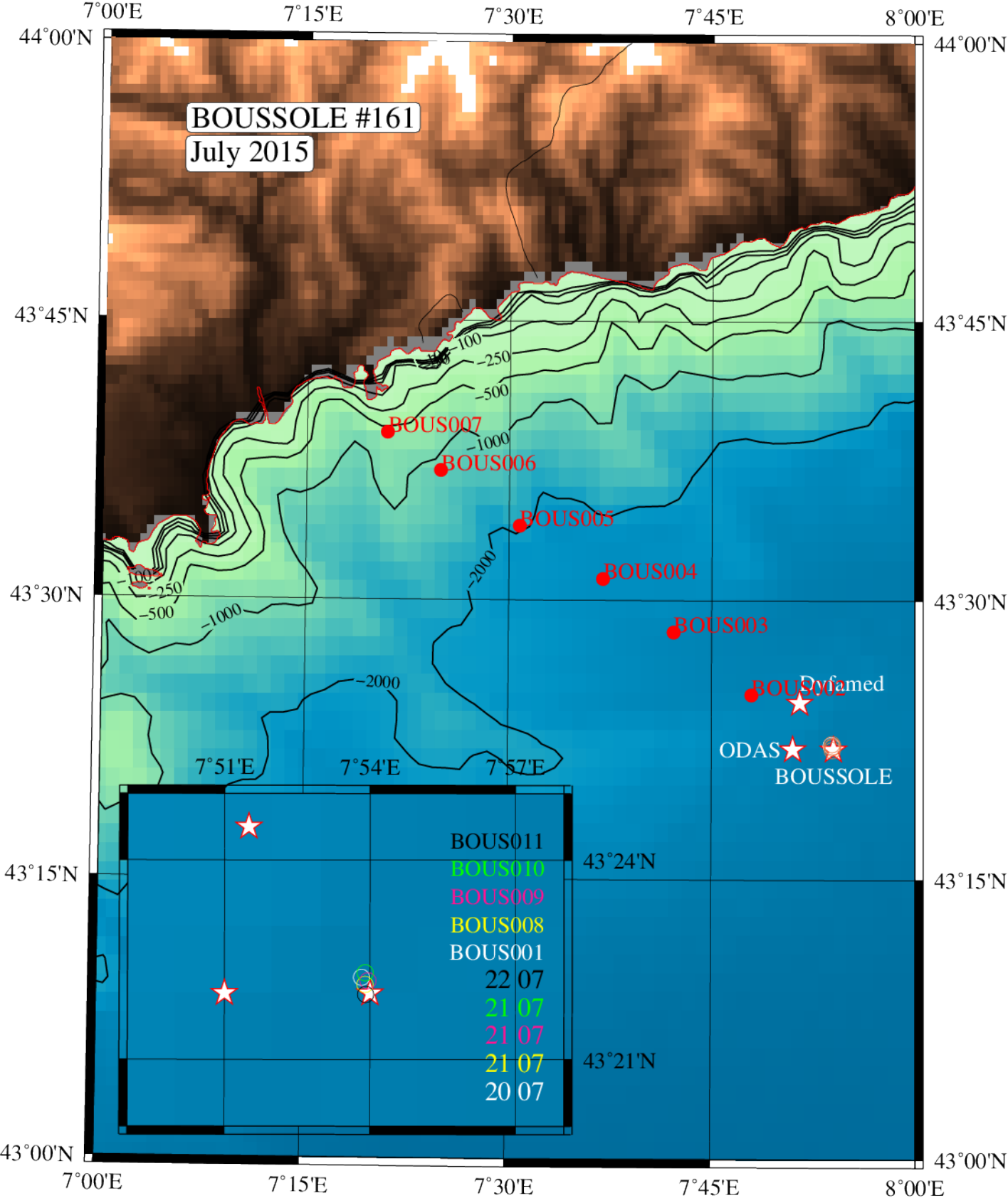
Date	*14/06/2015*	*Latitude*	*43o37.027 N*
Heure déb	*19h 01min [TU]*	*Longitude*	*07o24.919 E*

BOUSSOLE 160 **14/06/2015** **BOUS150614_07**

BOUS007



Date	*14/06/2015*	*Latitude*	*43o39.060 N*
Heure déb	*19h 49min [TU]*	*Longitude*	*07o21.070 E*


BOUSSOLE #161
July 2015
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
BOUS007
BOUS006
BOUS005
BOUS004
BOUS003
BOUS002
Dofamed
ODAS
BOUSSOLE
7°51'E
7°54'E
7°57'E
43°24'N
43°21'N
BOUS011
BOUS010
BOUS009
BOUS008
BOUS001
22 07
21 07
21 07
21 07
20 07
GMT 2017 Apr 25 08:38:44

Date: 08/03/2017

Instrument configuration file: C:\boussole\Data\CTD\2015\juil2015\ctd\raw\BOUS001.XMLCON

Configuration report for SBE 911plus/917plus CTD

```
Frequency channels suppressed : 2
Voltage words suppressed      : 2
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 : 01-May-14
   G             : 4.87129842e-003
   H             : 6.79847310e-004
   I             : 2.74271354e-005
   J             : 2.21364376e-006
   F0            : 1000.000
   Slope         : 1.00000000
   Offset        : 0.0000
```

2) Frequency 1, Conductivity

```
   Serial number : 2929
   Calibrated on : 06-May-14
   G             : -1.06059420e+001
   H             : 1.42246367e+000
   I             : -1.04093771e-004
   J             : 7.68097949e-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
   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        : -0.27039
   AD590M        : 1.280100e-002
   AD590B        : -9.240166e+000
```

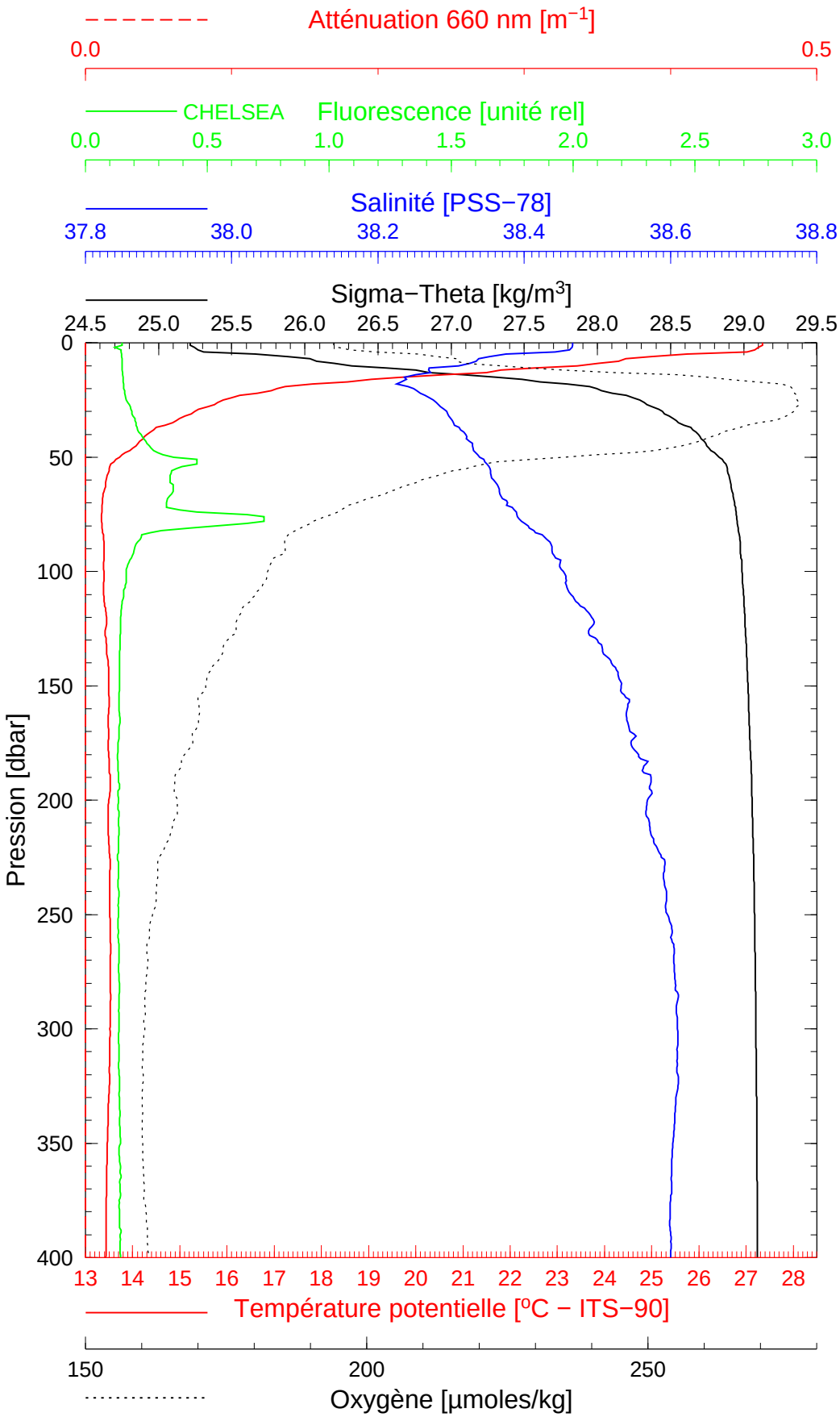
4) A/D voltage 0, Oxygen, SBE 43

```
   Serial number : 0378
   Calibrated on : 23-May-14
   Equation      : Sea-Bird
   Soc           : 3.63660e-001
   Offset        : -6.58900e-001
   A             : -3.40840e-003
   B             : 1.71230e-004
   C             : -3.00650e-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

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, Free

Scan length                   : 25
```

BOUSSOLE 161 **20/07/2015** **BOUS150720_01**

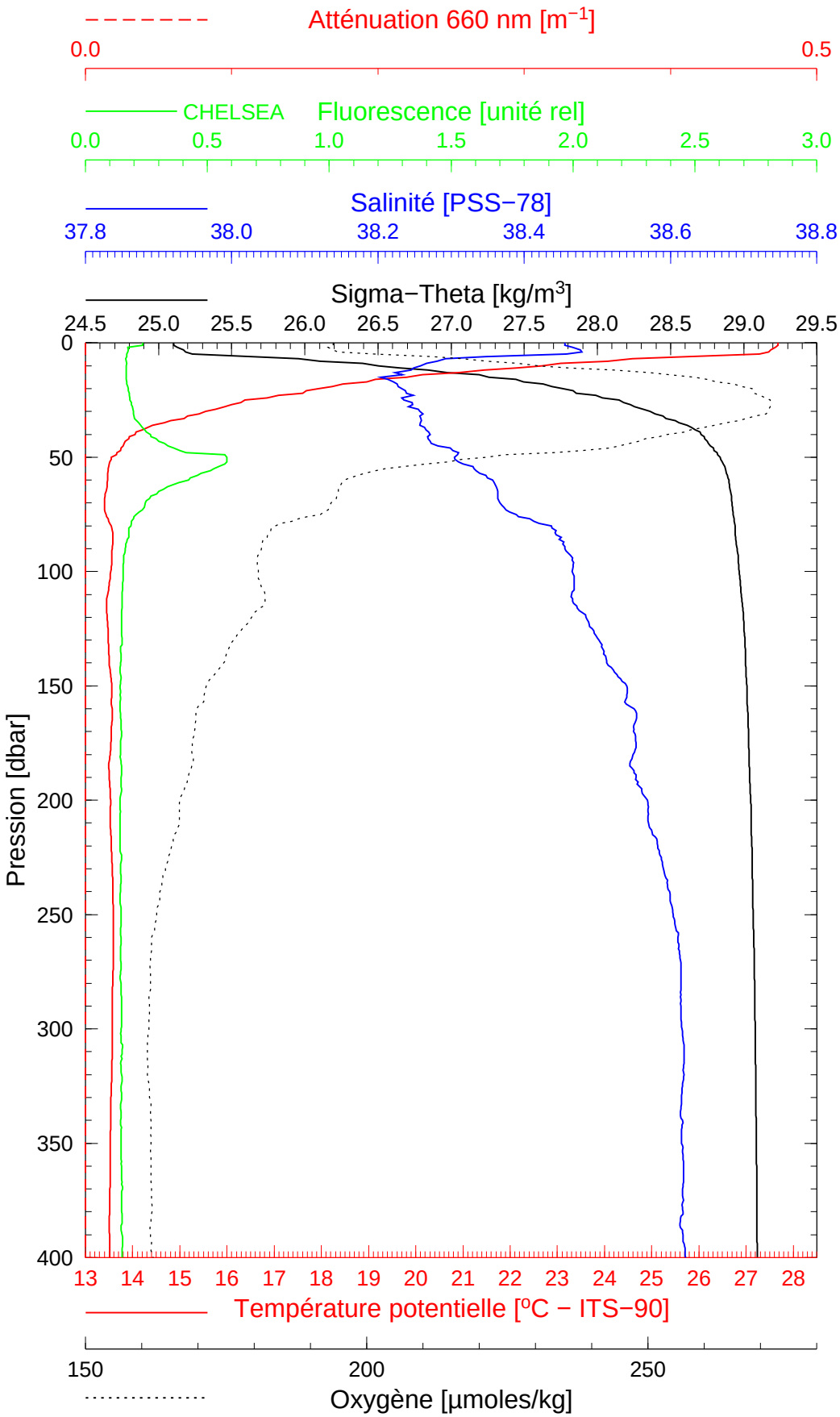
BOUS001



Date	*20/07/2015*	*Latitude*	*43°22.236 N*
Heure déb	*09h 28min [TU]*	*Longitude*	*07°53.827 E*

BOUSSOLE 161 **20/07/2015** **BOUS150720_02**

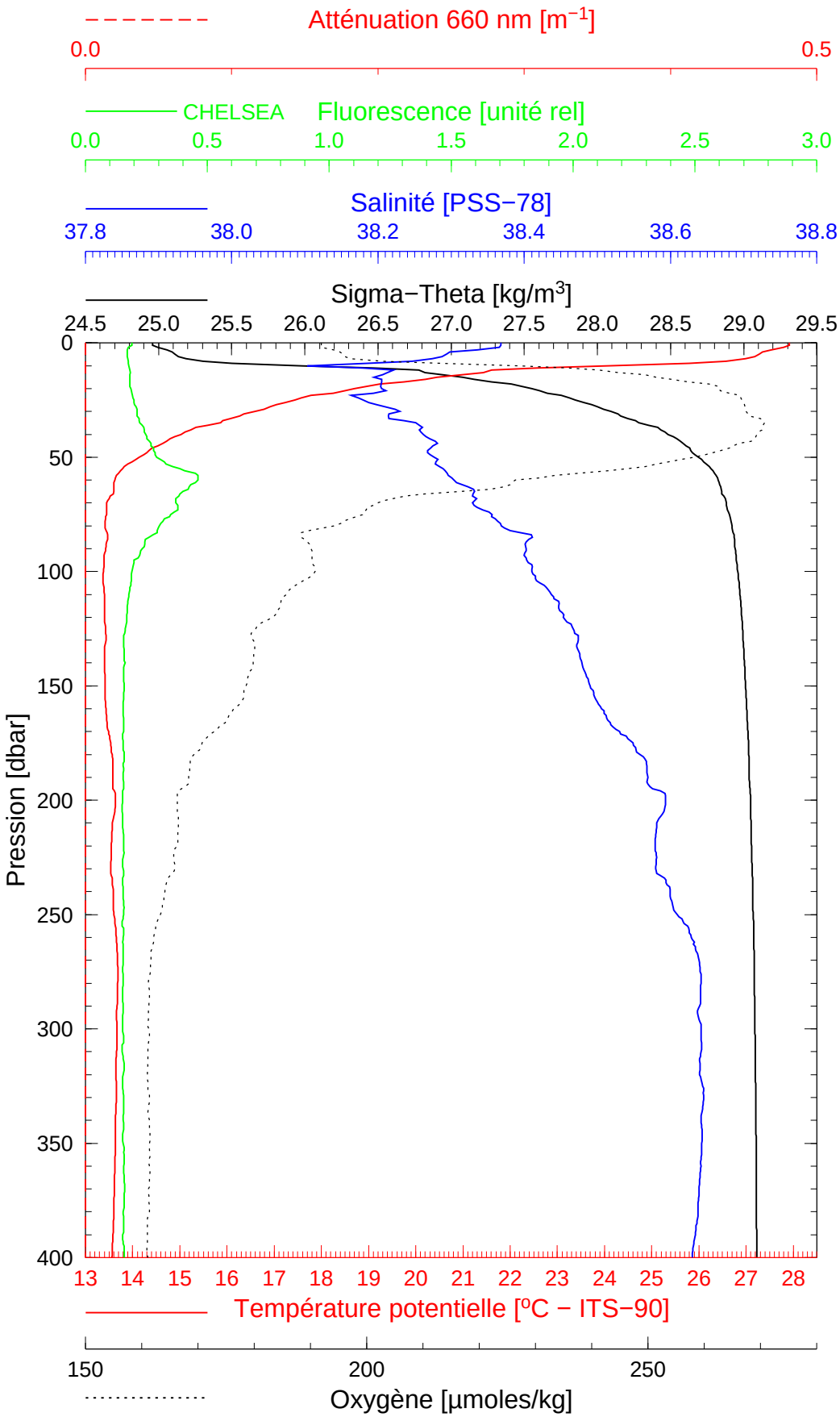
BOUS002



Date	*20/07/2015*	*Latitude*	*43°24.930 N*
Heure déb	*11h 51min [TU]*	*Longitude*	*07°47.950 E*

BOUSSOLE 161 **20/07/2015** **BOUS150720_03**

BOUS003

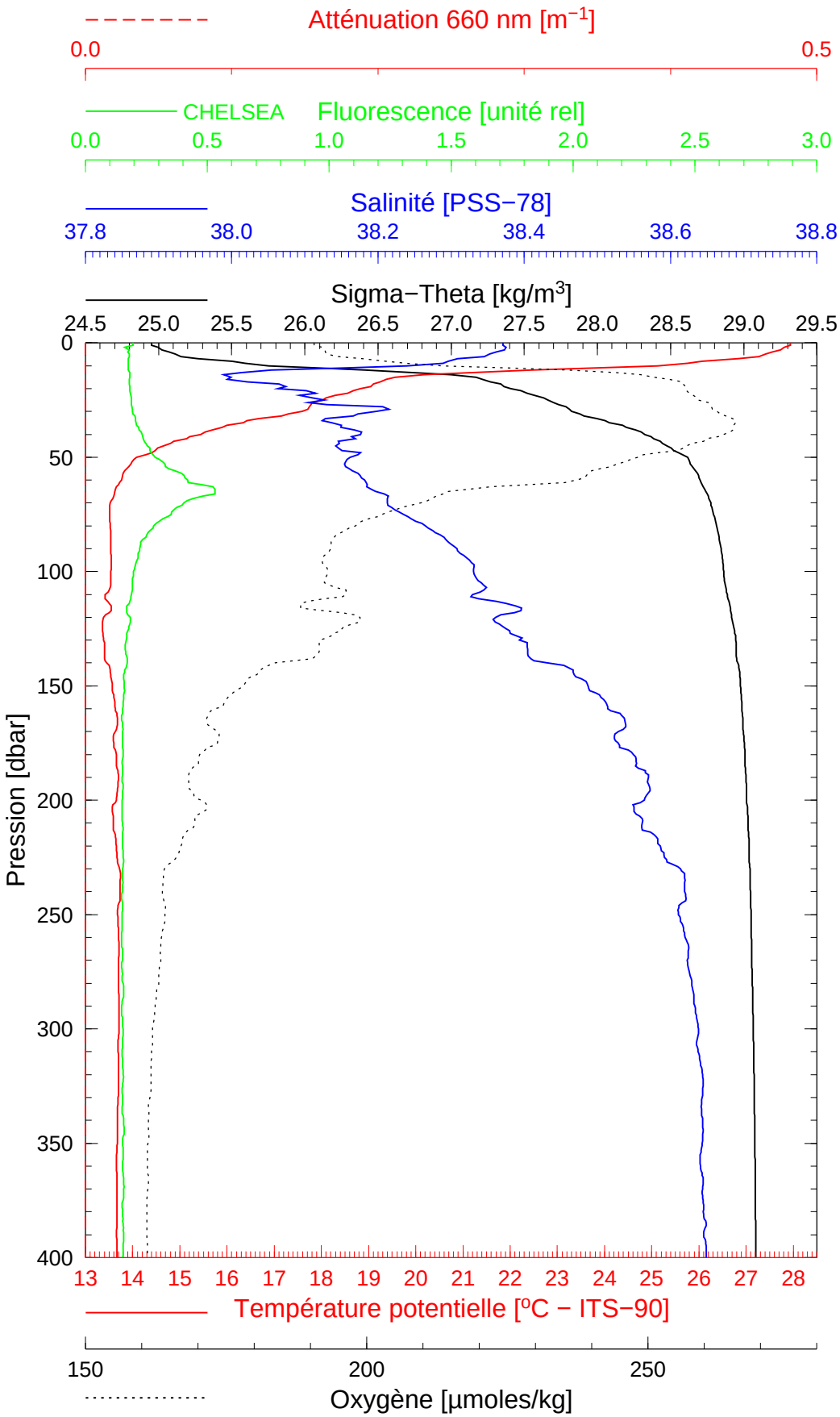


Date *20/07/2015* *Latitude* *43°28.292 N*

Heure déb *12h 50min [TU]* *Longitude* *07°42.197 E*

BOUSSOLE 161 **20/07/2015** **BOUS150720_04**

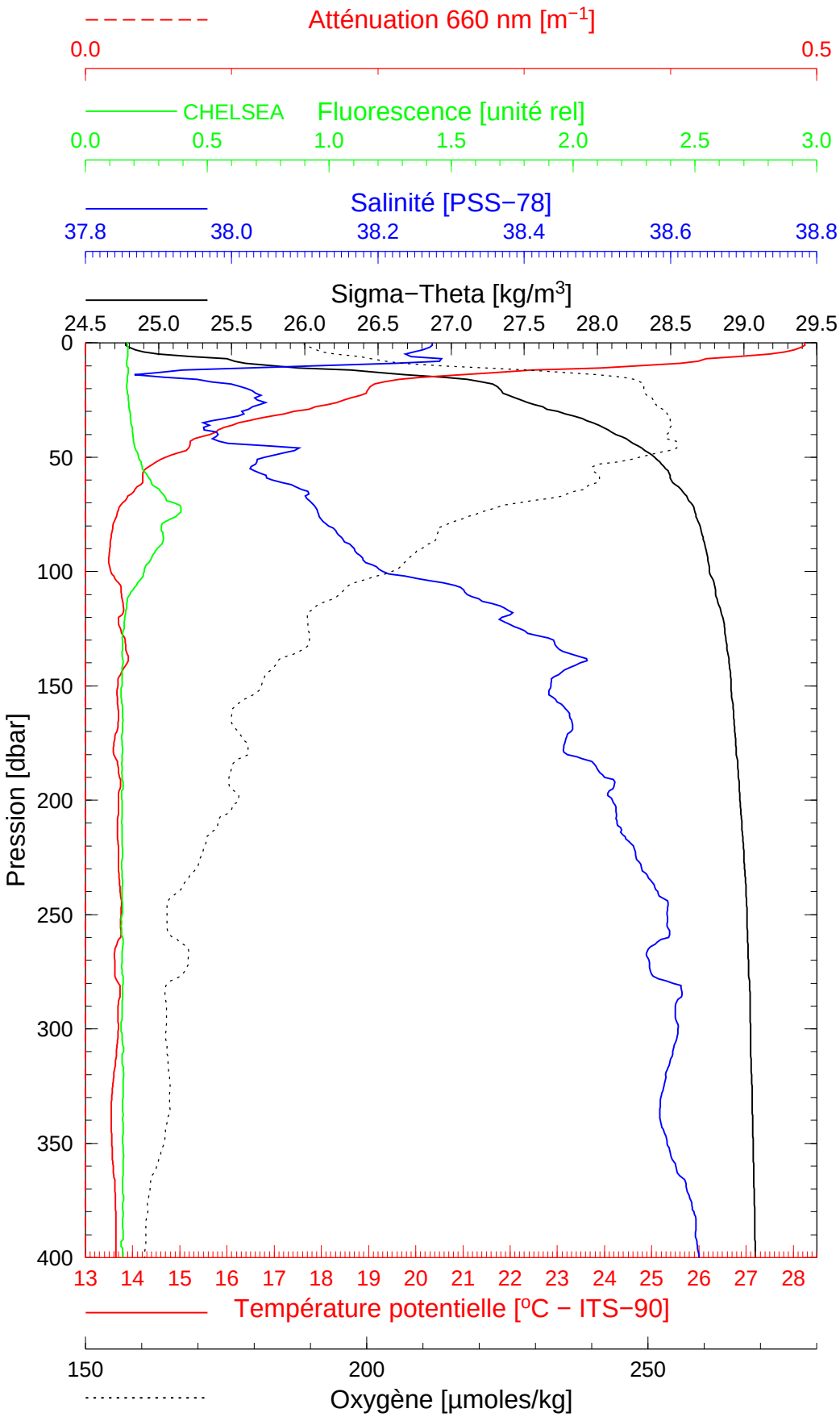
BOUS004



Date	*20/07/2015*	*Latitude*	*43°31.148 N*
Heure déb	*13h 44min [TU]*	*Longitude*	*07°36.965 E*

BOUSSOLE 161 **20/07/2015** **BOUS150720_05**

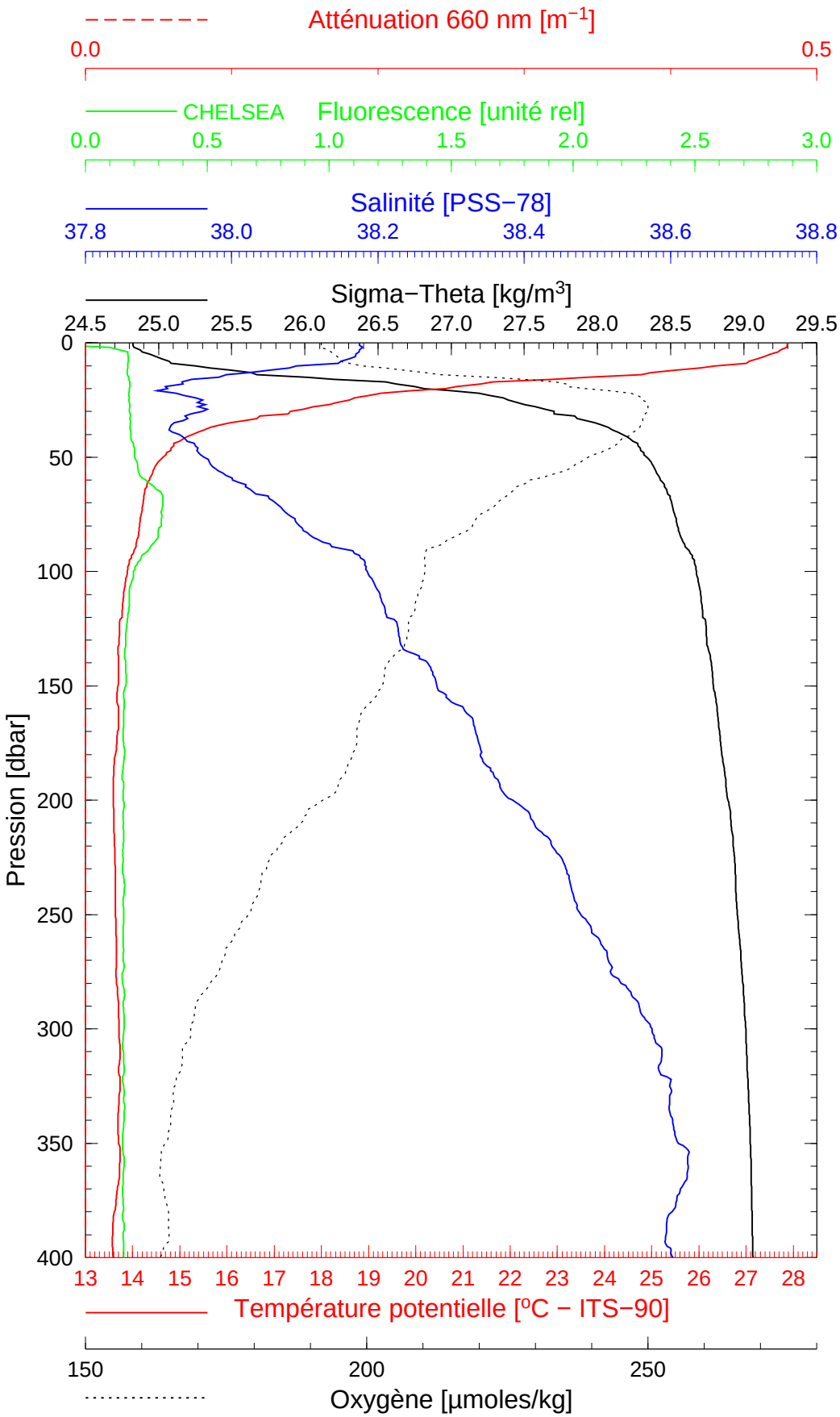
BOUS005



Date	*20/07/2015*	*Latitude*	*43°33.971 N*
Heure déb	*14h 40min [TU]*	*Longitude*	*07°30.780 E*

BOUSSOLE 161 **20/07/2015** **BOUS150720_06**

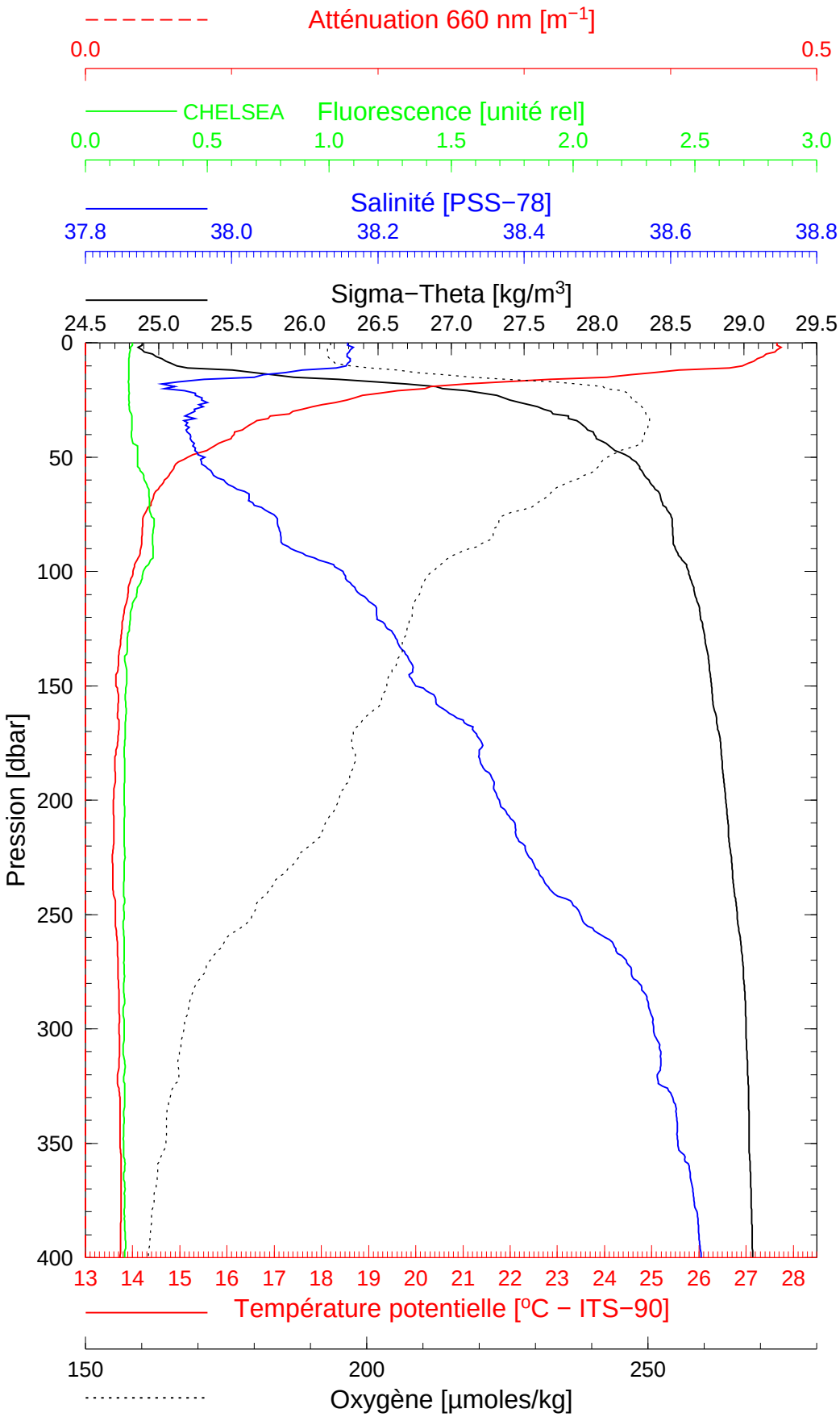
BOUS006



Date	*20/07/2015*	*Latitude*	*43°36.941 N*
Heure déb	*15h 36min [TU]*	*Longitude*	*07°24.908 E*

BOUSSOLE 161 **20/07/2015** **BOUS150720_07**

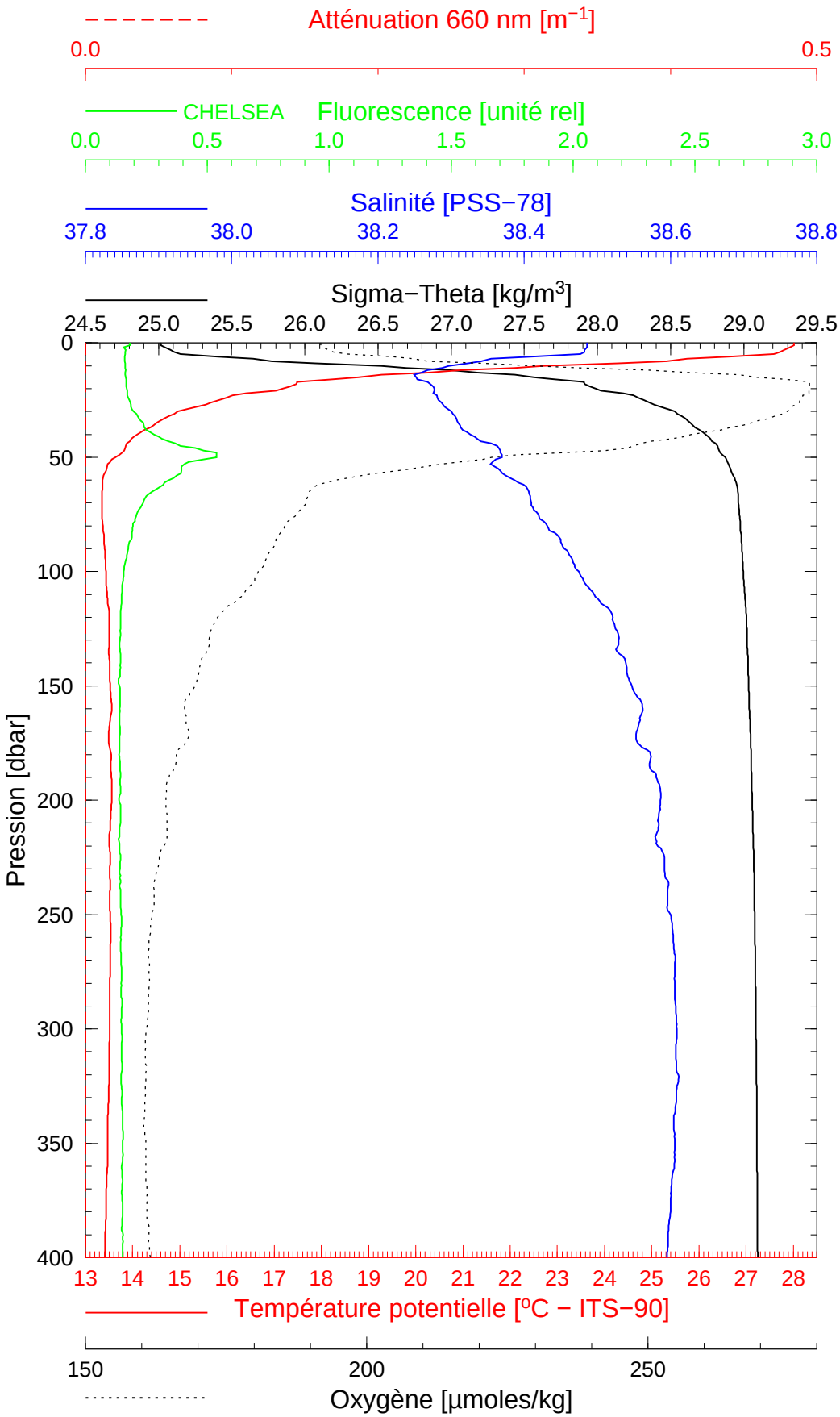
BOUS007



Date	*20/07/2015*	*Latitude*	*43°38.972 N*
Heure déb	*16h 28min [TU]*	*Longitude*	*07°20.948 E*

BOUSSOLE 161 **21/07/2015** **BOUS150721_01**

BOUS008

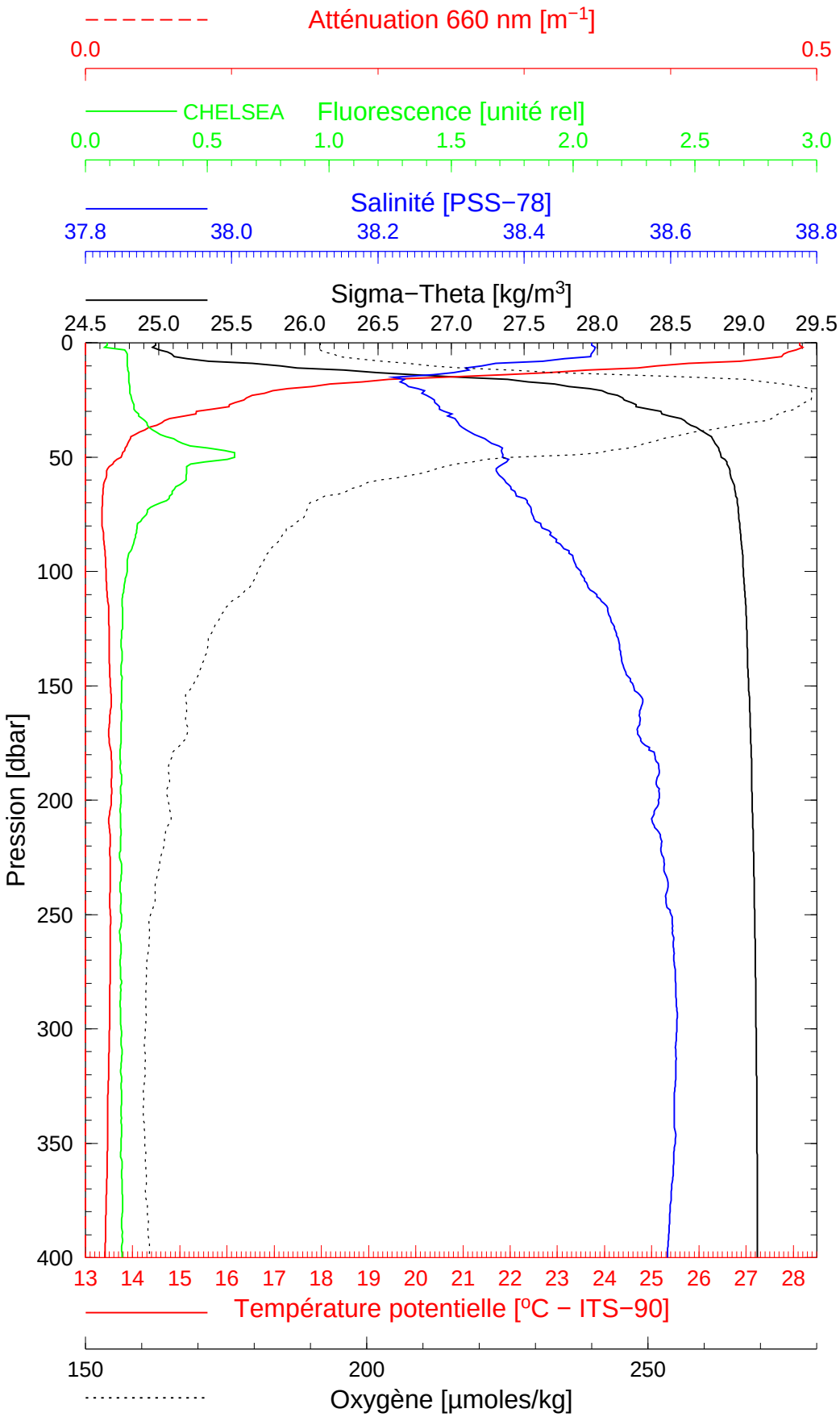


Date *21/07/2015* *Latitude* *43°22.129 N*

Heure déb *11h 00min [TU]* *Longitude* *07°53.900 E*

BOUSSOLE 161 **21/07/2015** **BOUS150721_02**

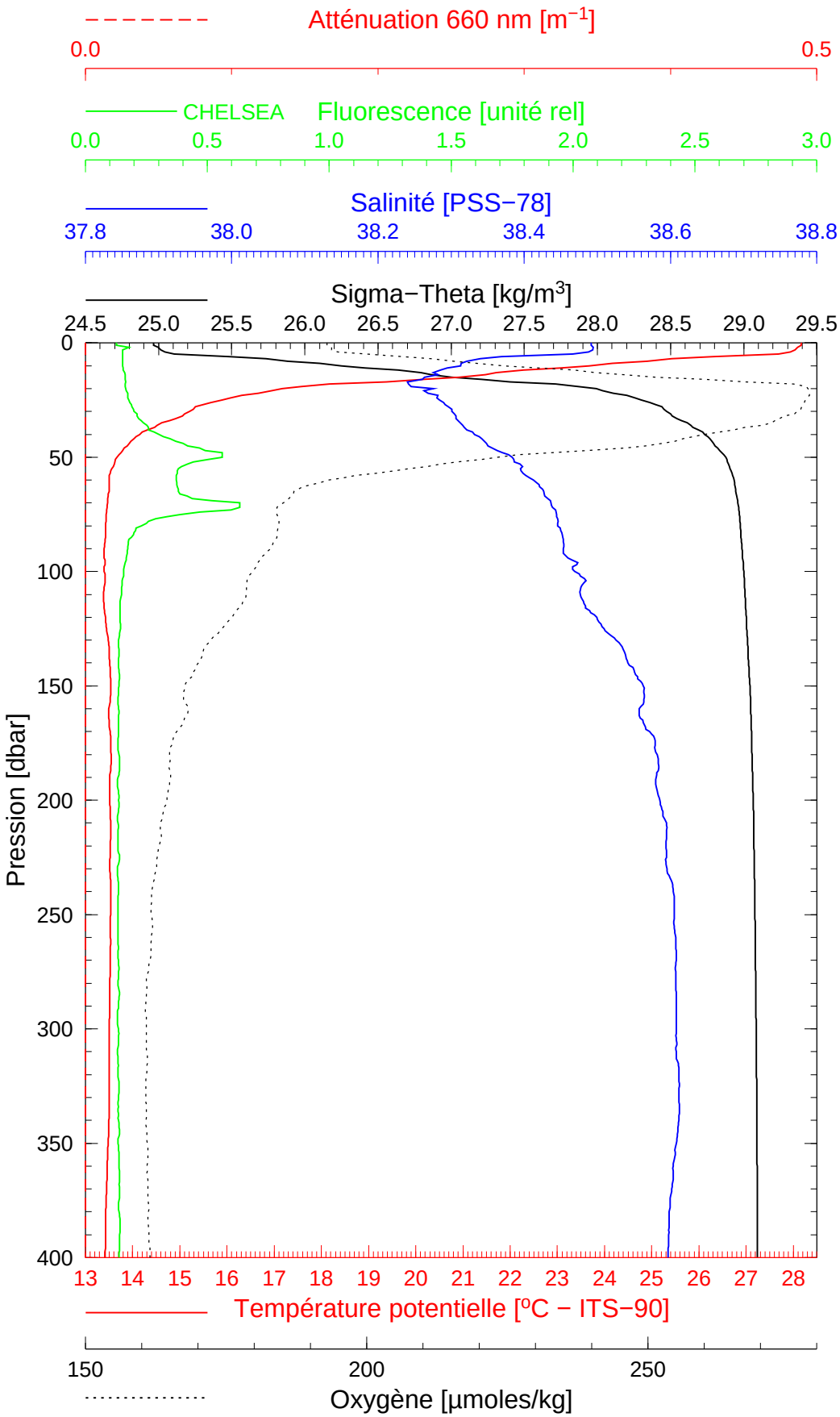
BOUS010



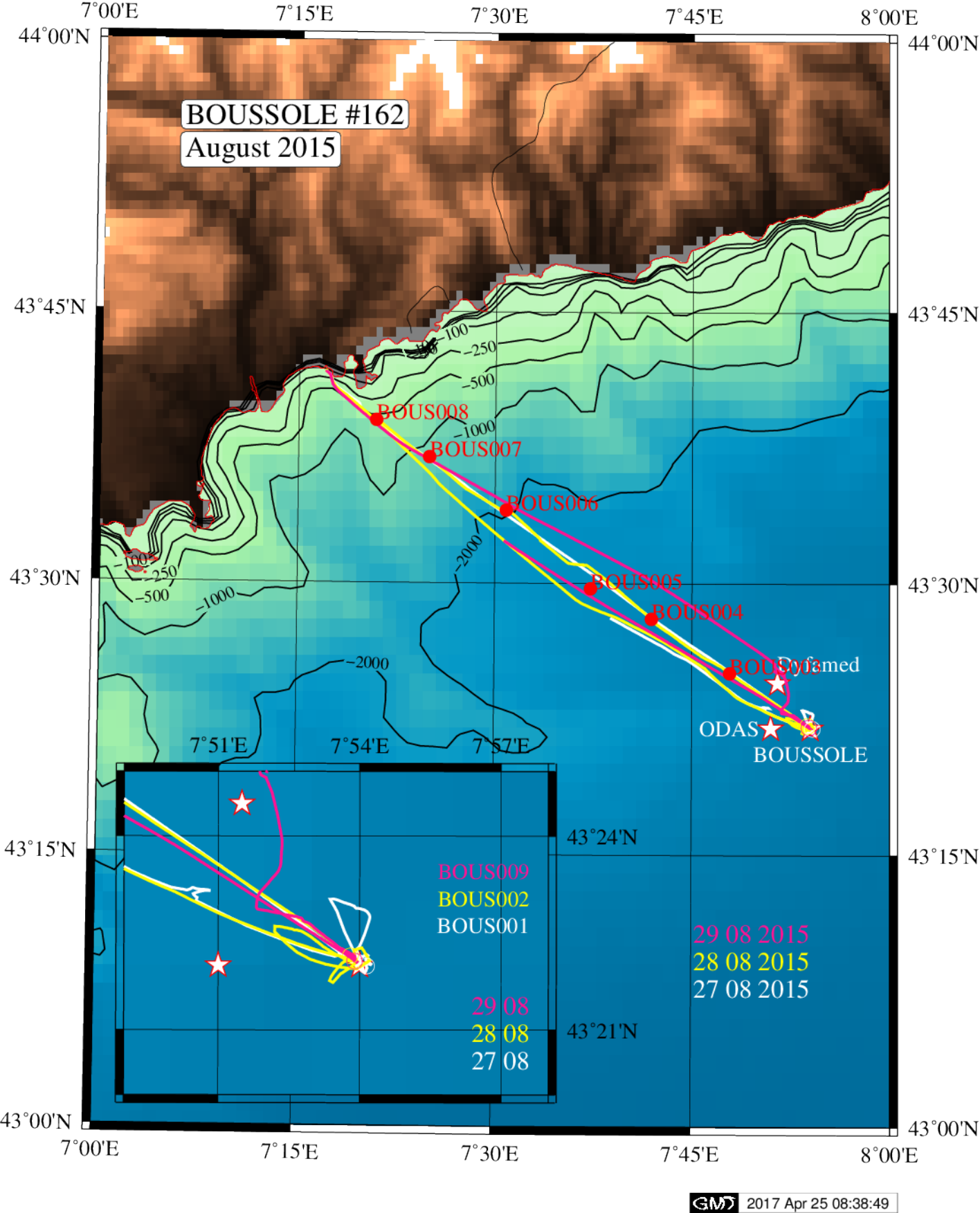
Date	*21/07/2015*	*Latitude*	*43°22.300 N*
Heure déb	*13h 10min [TU]*	*Longitude*	*07°53.900 E*

BOUSSOLE 161 **22/07/2015** **BOUS150722_01**

BOUS011



Date	*22/07/2015*	*Latitude*	*43°21.980 N*
Heure déb	*11h 54min [TU]*	*Longitude*	*07°53.910 E*


BOUSSOLE #162
August 2015
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
BOUS008
BOUS007
BOUS006
BOUS005
BOUS004
BOUS003
Dufamed
ODAS
BOUSSOLE
7°51'E
7°54'E
7°57'E
43°24'N
43°21'N
BOUS009
BOUS002
BOUS001
29 08
28 08
27 08
29 08 2015
28 08 2015
27 08 2015
GMT 2017 Apr 25 08:38:49

Date: 08/03/2017

Instrument configuration file: C:\boussole\Data\CTD\2015\aout2015\ctd\raw\BOUS001.XMLCON

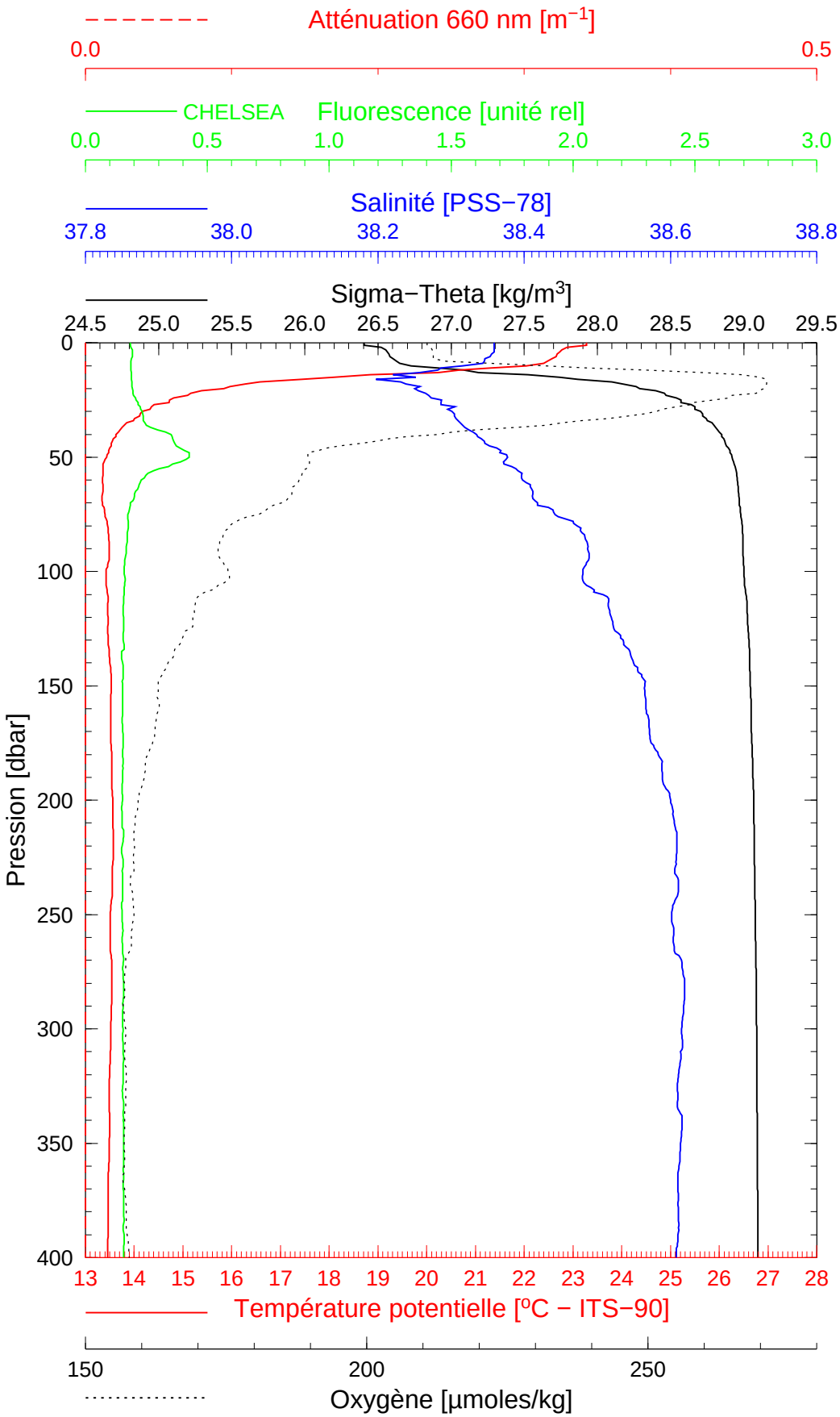
Configuration report for SBE 911plus/917plus CTD

```
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 : 16-Apr-15
   G             : 4.36735425e-003
   H             : 6.43361369e-004
   I             : 2.35086423e-005
   J             : 2.25622577e-006
   F0            : 1000.000
   Slope         : 1.00000000
   Offset        : 0.0000

2) Frequency 1, Conductivity

   Serial number : 1313
   Calibrated on : 16-Apr-15
   G             : -3.93984071e+000
   H             : 4.71474053e-001
   I             : -2.17881662e-004
   J             : 3.85707661e-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
   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        : -0.27039
   AD590M        : 1.280100e-002
   AD590B        : -9.240166e+000

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

   Serial number : 0587
   Calibrated on : 14-Mar-15
   Equation      : Sea-Bird
   Soc           : 3.87390e-001
   Offset        : -6.96400e-001
   A             : -3.78820e-003
   B             : 1.52710e-004
   C             : -2.38190e-006
   E             : 3.60000e-002
   Tau20         : 1.17000e+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, Free

8) A/D voltage 4, Altimeter

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

9) A/D voltage 5, Free

10) A/D voltage 6, 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 7, 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                   : 31
```

BOUSSOLE 162 **27/08/2015** **BOUS150827_01**

BOUS001

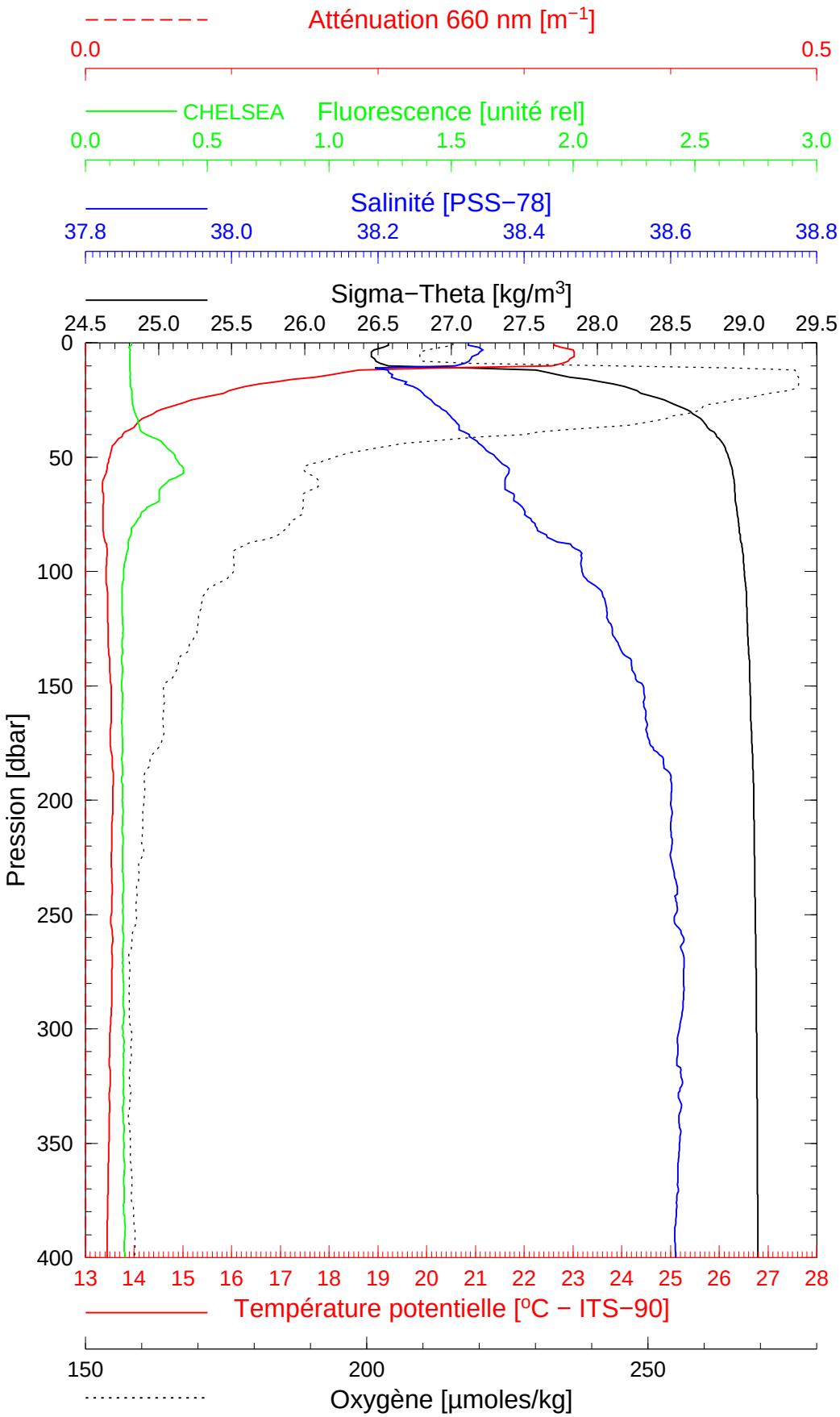


Date *27/08/2015* *Latitude* *43°21.991 N*

Heure déb *14h 05min [TU]* *Longitude* *07°54.146 E*

BOUSSOLE 162 **28/08/2015** **BOUS150828_01**

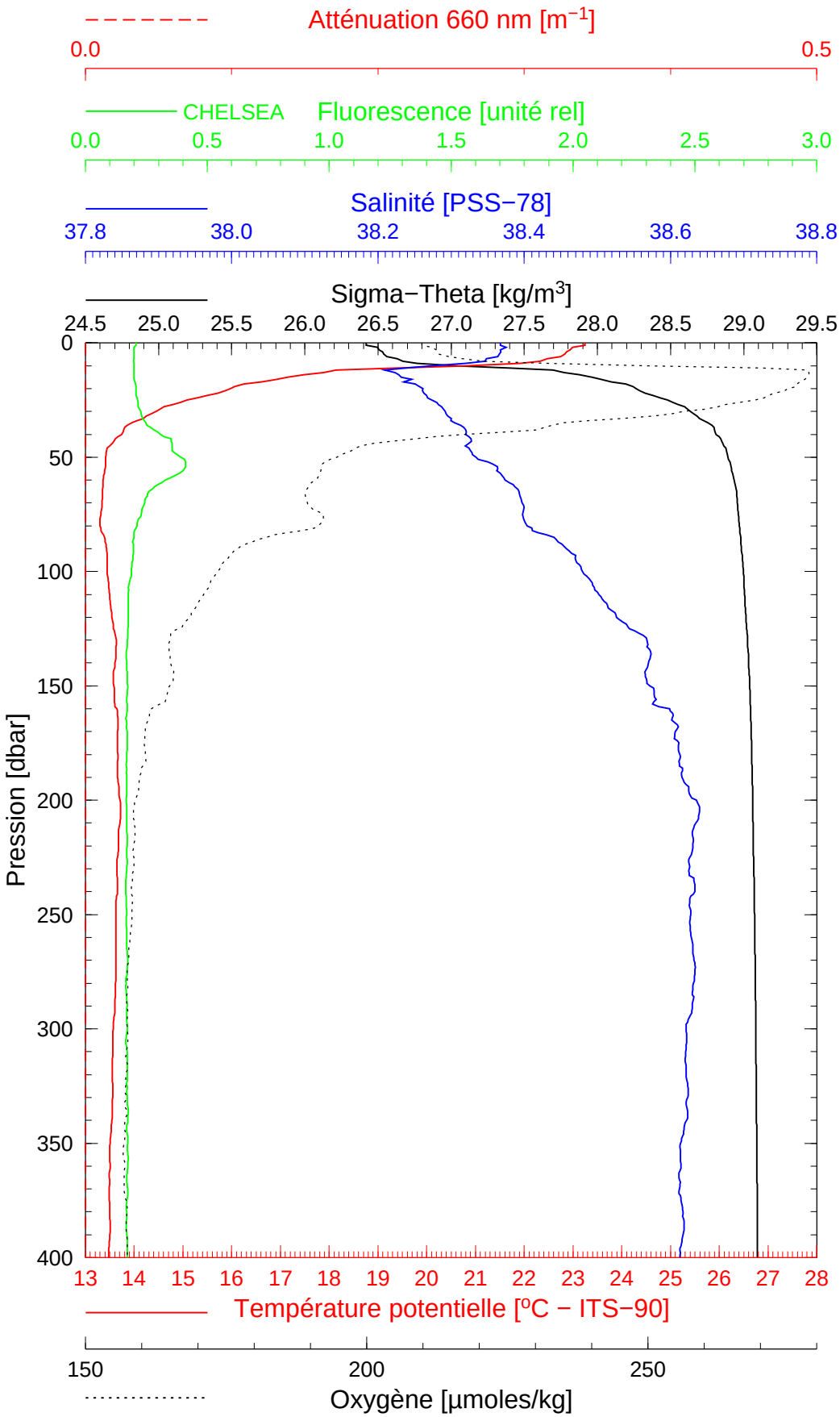
BOUS002



Date	*28/08/2015*	*Latitude*	*43°22.147 N*
Heure déb	*11h 01min [TU]*	*Longitude*	*07°53.802 E*

BOUSSOLE 162 **28/08/2015** **BOUS150828_02**

BOUS003

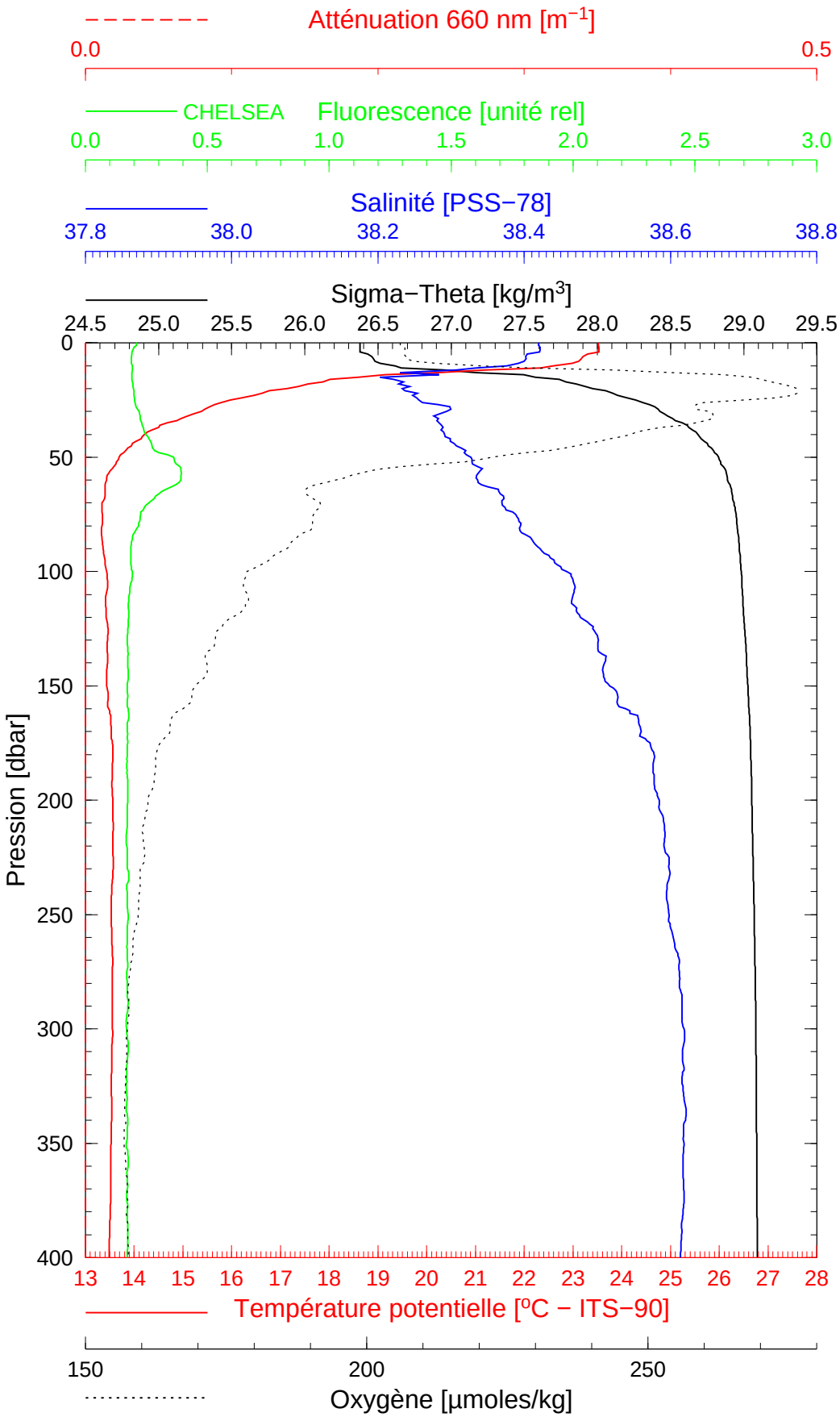


Date *28/08/2015* *Latitude* *43°25.058 N*

Heure déb *12h 48min [TU]* *Longitude* *07°47.880 E*

BOUSSOLE 162 **28/08/2015** **BOUS150828_03**

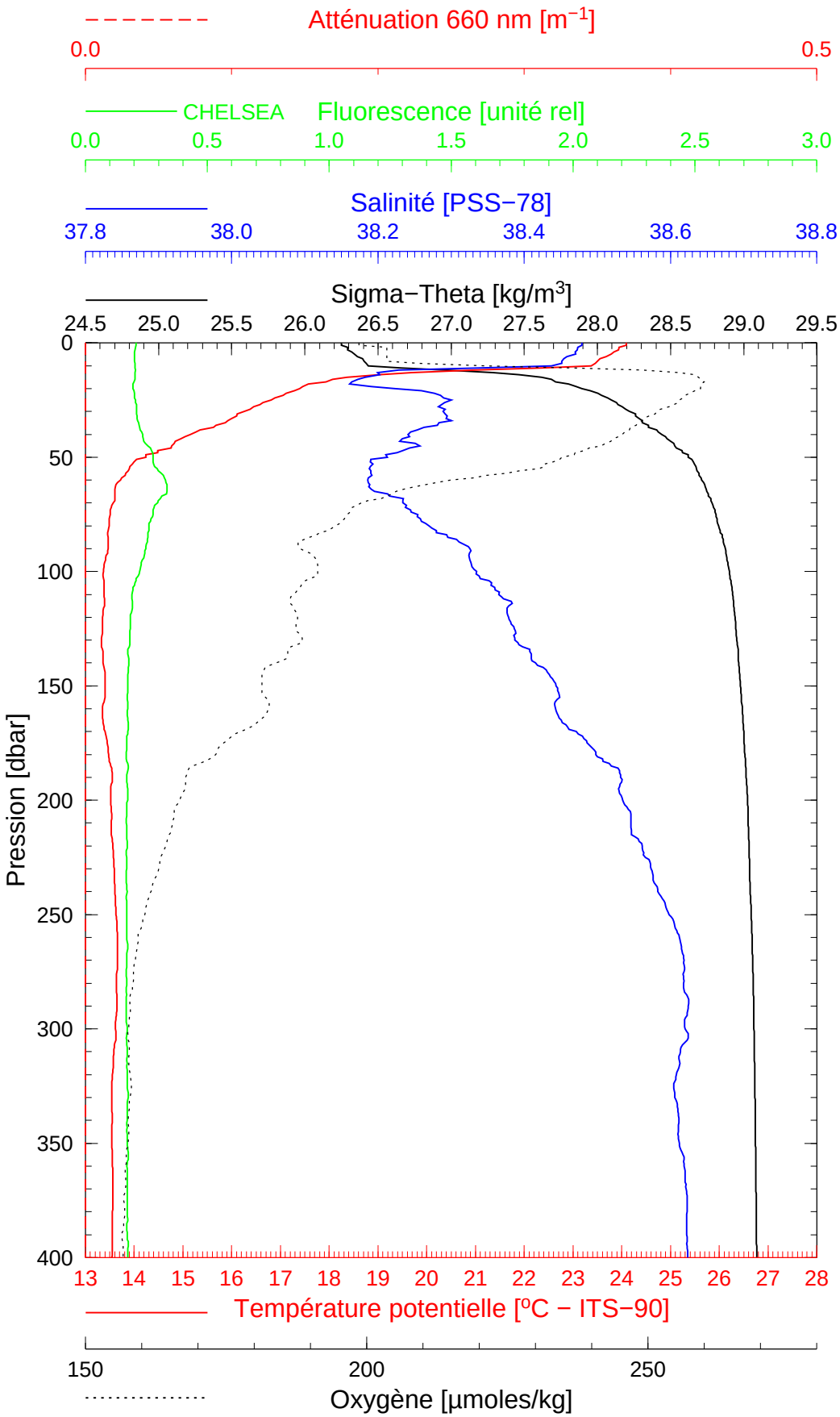
BOUS004



Date	*28/08/2015*	*Latitude*	*43°28.045 N*
Heure déb	*13h 43min [TU]*	*Longitude*	*07°41.925 E*

BOUSSOLE 162 **28/08/2015** **BOUS150828_04**

BOUS005

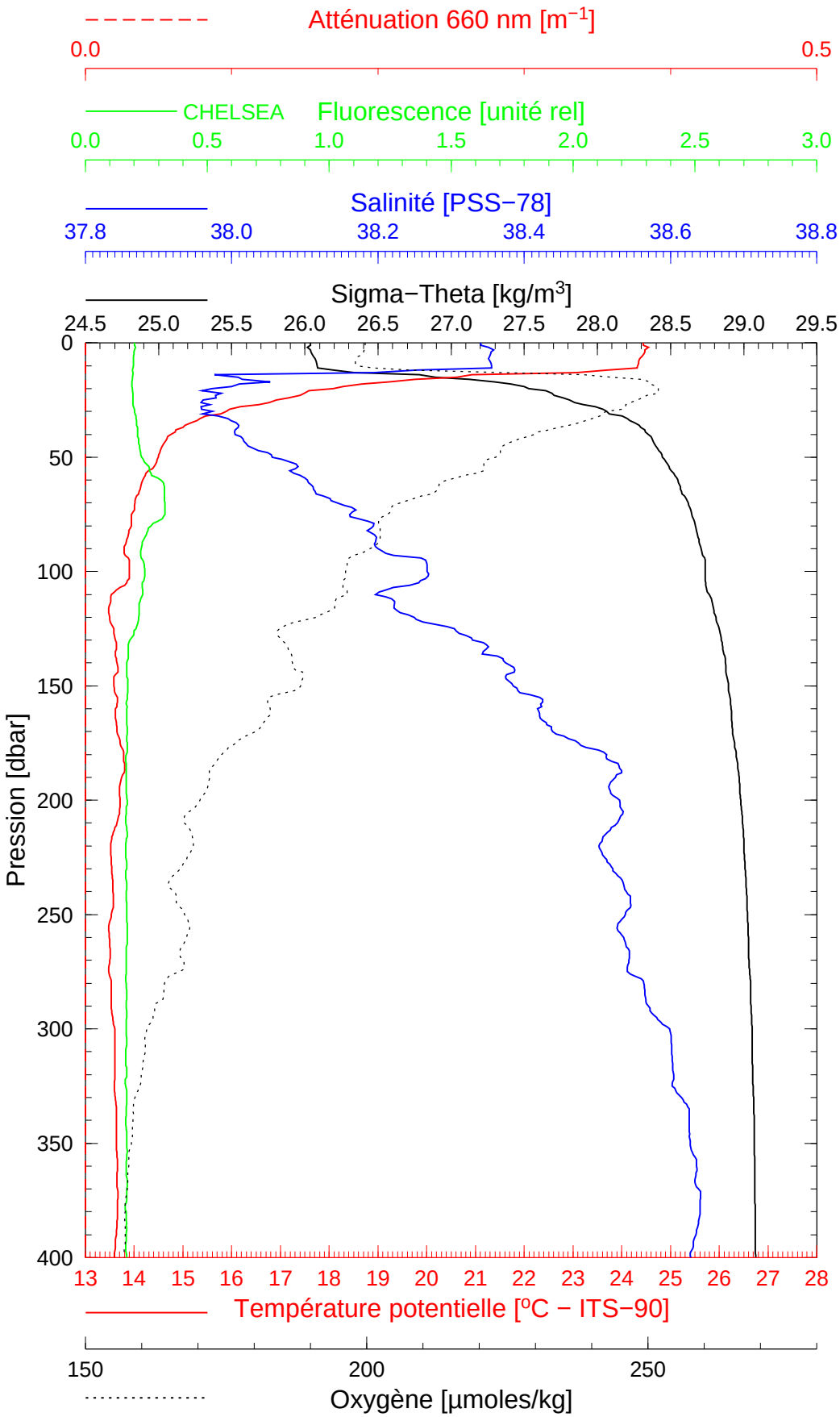


Date *28/08/2015* *Latitude* *43°29.715 N*

Heure déb *14h 33min [TU]* *Longitude* *07°37.291 E*

BOUSSOLE 162 **28/08/2015** **BOUS150828_05**

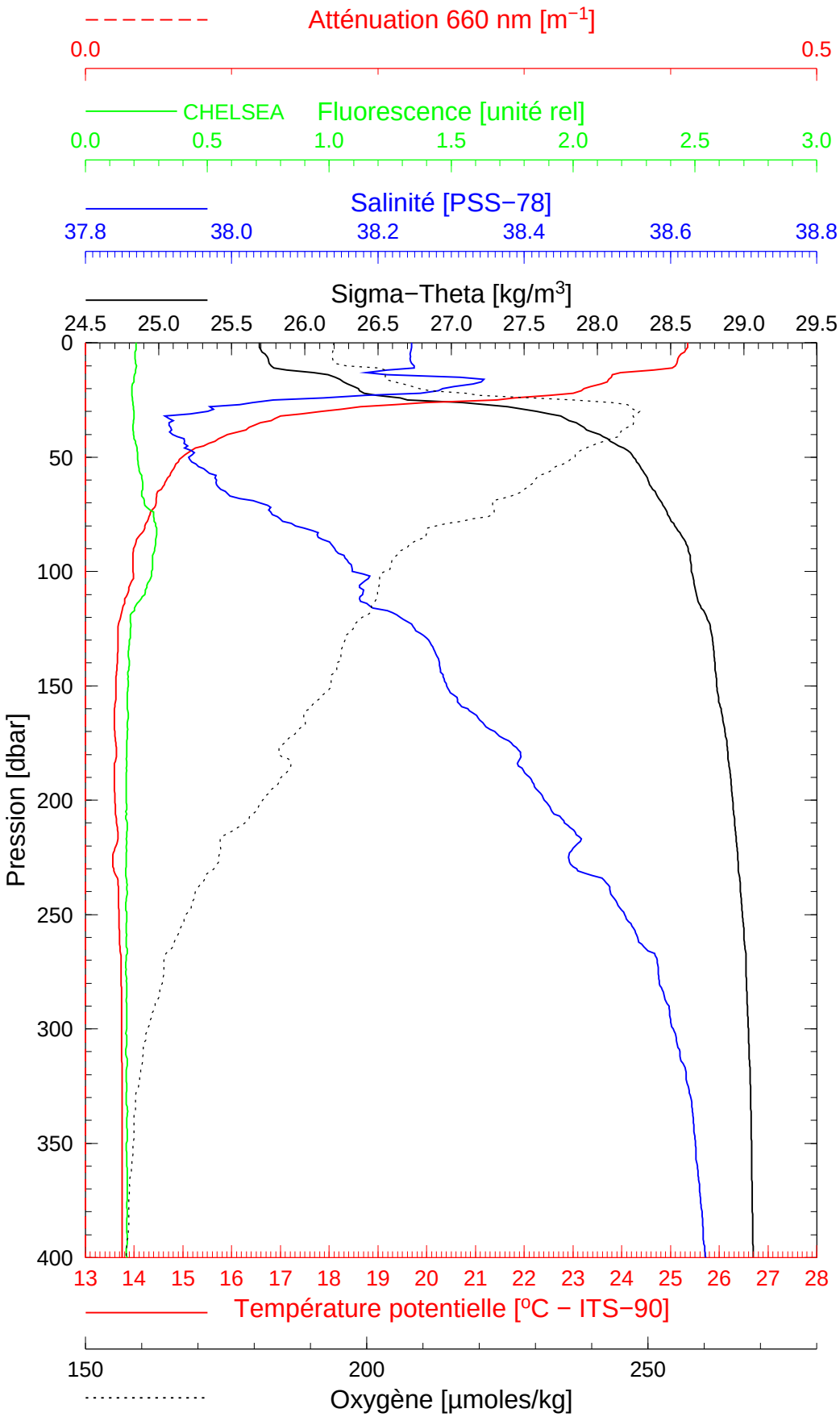
BOUS006



Date	*28/08/2015*	*Latitude*	*43°34.033 N*
Heure déb	*15h 39min [TU]*	*Longitude*	*07°30.852 E*

BOUSSOLE 162 **28/08/2015** **BOUS150828_06**

BOUS007

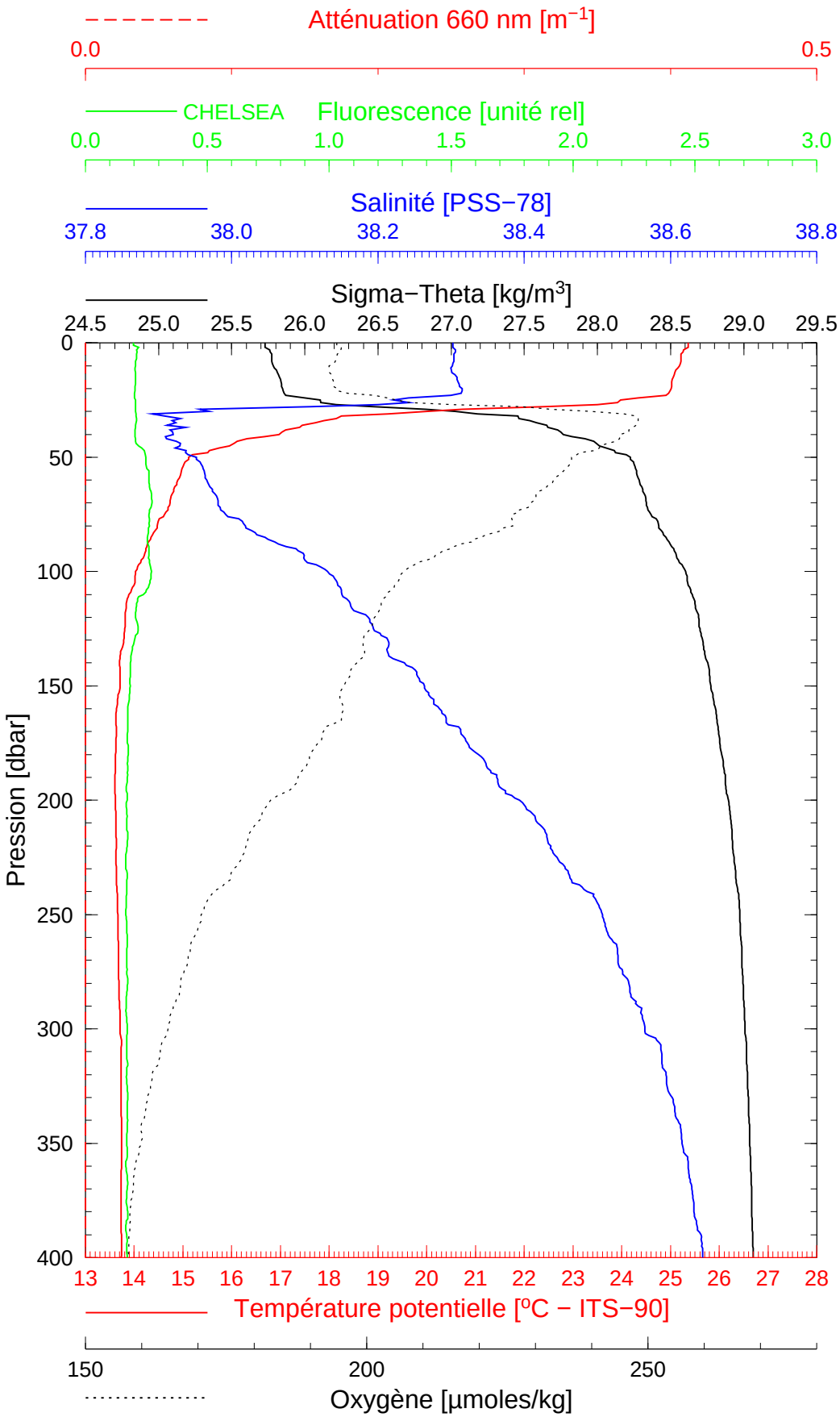


Date *28/08/2015* *Latitude* *43°36.948 N*

Heure déb *16h 34min [TU]* *Longitude* *07°24.981 E*

BOUSSOLE 162 **28/08/2015** **BOUS150828_07**

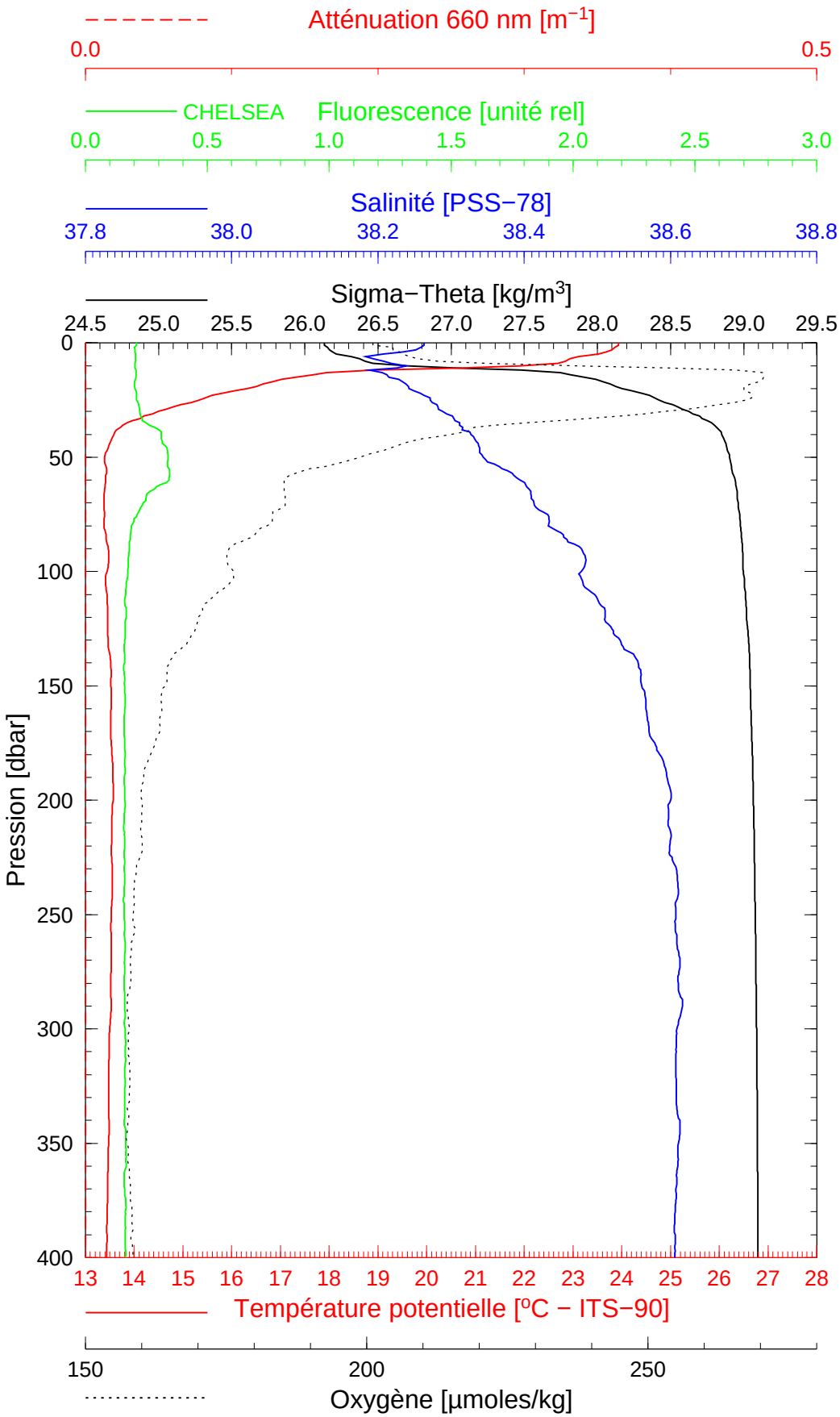
BOUS008



Date	*28/08/2015*	*Latitude*	*43°38.979 N*
Heure déb	*17h 25min [TU]*	*Longitude*	*07°20.907 E*

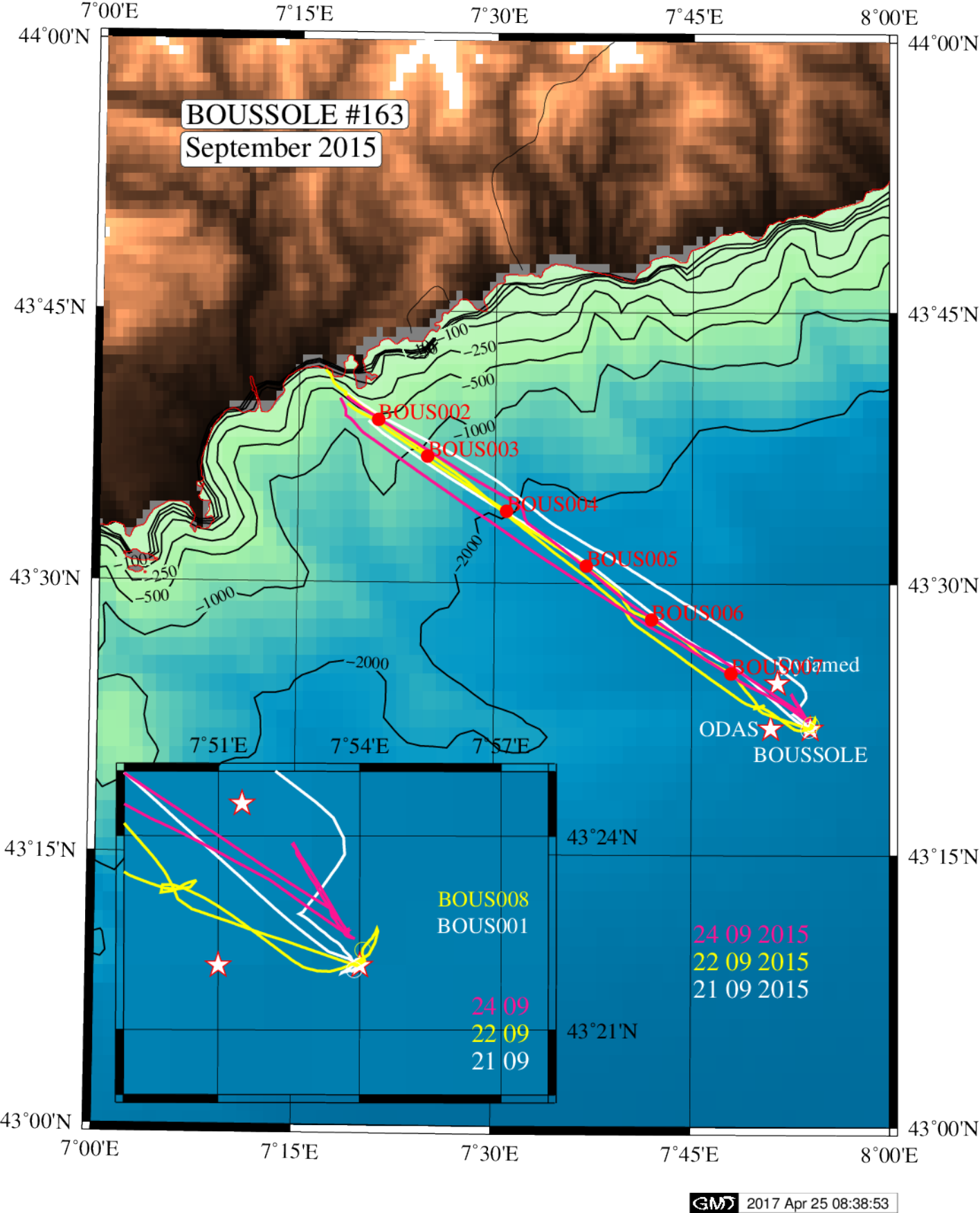
BOUSSOLE 162 **29/08/2015** **BOUS150829_01**

BOUS009



Date *29/08/2015* *Latitude* *43°22.063 N*

Heure déb *08h 35min [TU]* *Longitude* *07°53.892 E*


BOUSSOLE #163
September 2015
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
BOUS002
BOUS003
BOUS004
BOUS005
BOUS006
BOUS007
Dyfamed
ODAS
BOUSSOLE
7°51'E
7°54'E
7°57'E
43°24'N
43°21'N
BOUS008
BOUS001
24 09
22 09
21 09
24 09 2015
22 09 2015
21 09 2015
GMT 2017 Apr 25 08:38:53

Date: 08/03/2017

Instrument configuration file: C:\boussole\Data\CTD\2015\sept2015\ctd\raw\BOUS001.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 : 16-Apr-15
   G             : 4.36735425e-003
   H             : 6.43361369e-004
   I             : 2.35086423e-005
   J             : 2.25622577e-006
   F0            : 1000.000
   Slope         : 1.00000000
   Offset        : 0.0000
```

2) Frequency 1, Conductivity

```
   Serial number : 1313
   Calibrated on : 16-Apr-15
   G             : -3.93984071e+000
   H             : 4.71474053e-001
   I             : -2.17881662e-004
   J             : 3.85707661e-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
   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        : -0.27039
   AD590M        : 1.280100e-002
   AD590B        : -9.240166e+000
```

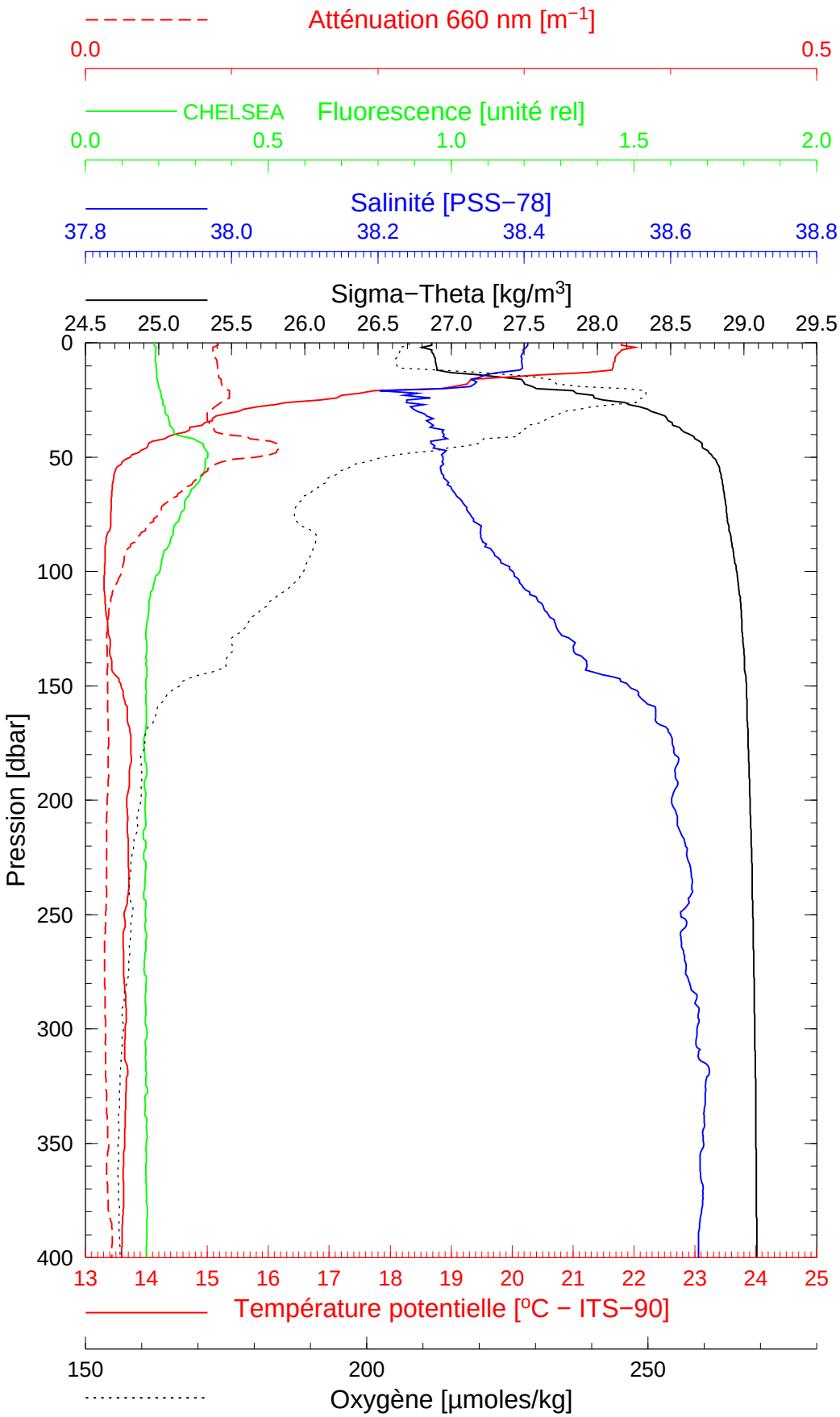
4) A/D voltage 0, Oxygen, SBE 43

```
   Serial number : 0587
   Calibrated on : 14-Mar-15
   Equation      : Sea-Bird
   Soc           : 3.87390e-001
   Offset        : -6.96400e-001
   A             : -3.78820e-003
   B             : 1.52710e-004
   C             : -2.38190e-006
   E             : 3.60000e-002
   Tau20         : 1.17000e+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-sept-2015
   M             : 21.3083
   B             : -0.1065
   Path length   : 0.250

8) A/D voltage 4, Altimeter

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

9) A/D voltage 5, Free

10) A/D voltage 6, 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 7, 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                   : 31
```

BOUSSOLE 163 **21/09/2015** **BOUS150921_01**

BOUS001

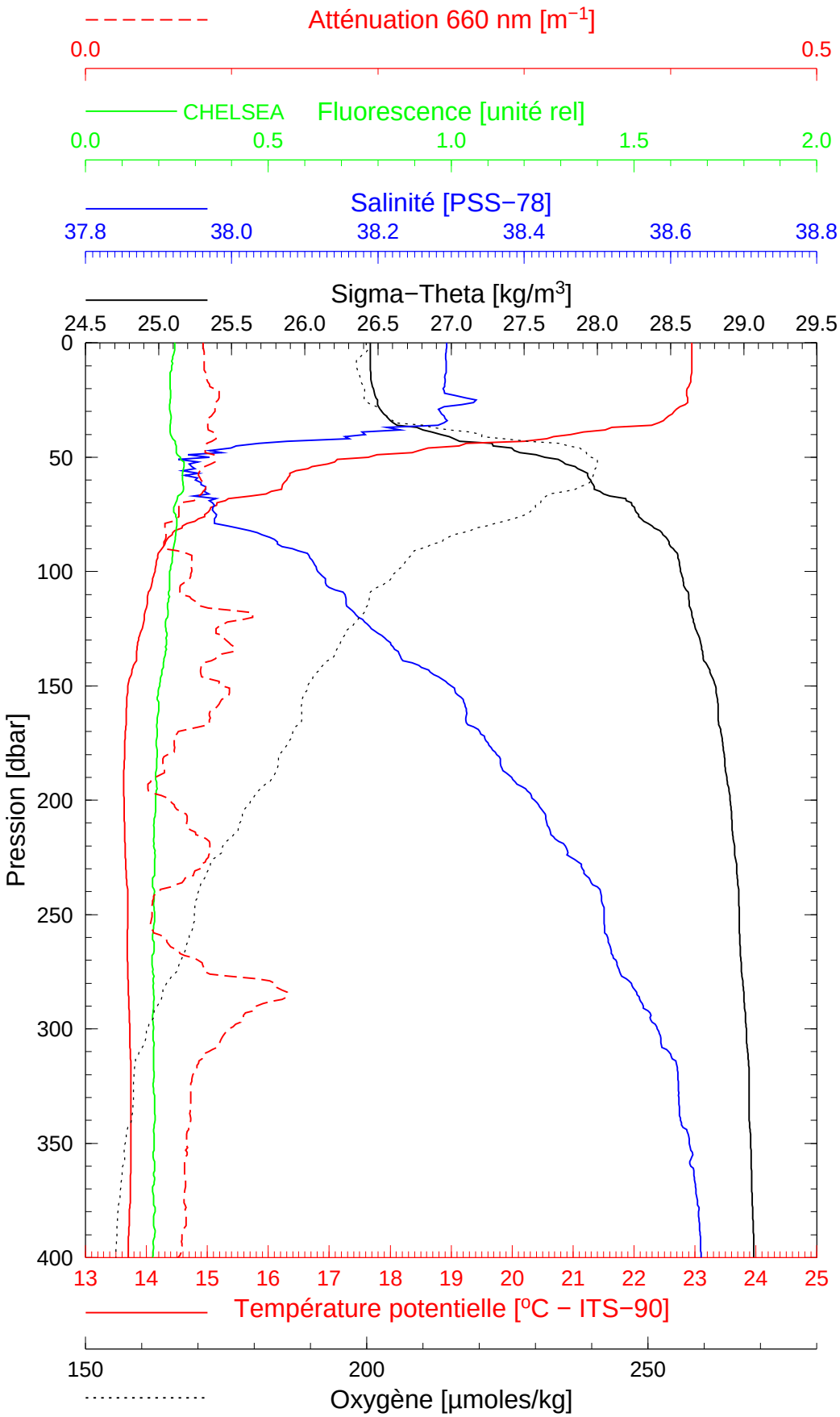


Date *21/09/2015* *Latitude* *43o21.931 N*

Heure déb *11h 19min [TU]* *Longitude* *07o53.885 E*

BOUSSOLE 163 **22/09/2015** **BOUS150922_01**

BOUS002

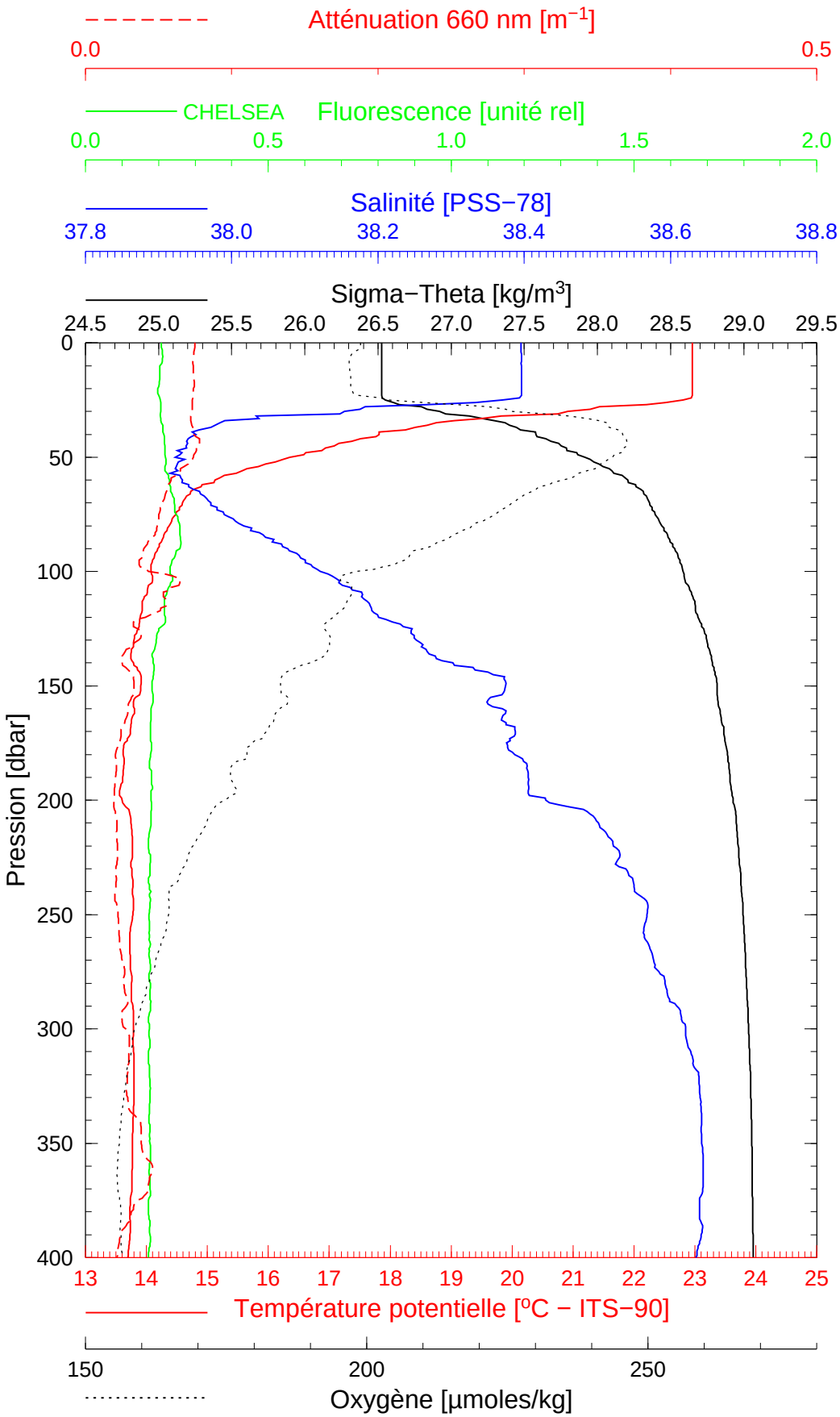


Date *22/09/2015* *Latitude* *43o38.984 N*

Heure déb *05h 10min [TU]* *Longitude* *07o21.057 E*

BOUSSOLE 163 **22/09/2015** **BOUS150922_02**

BOUS003

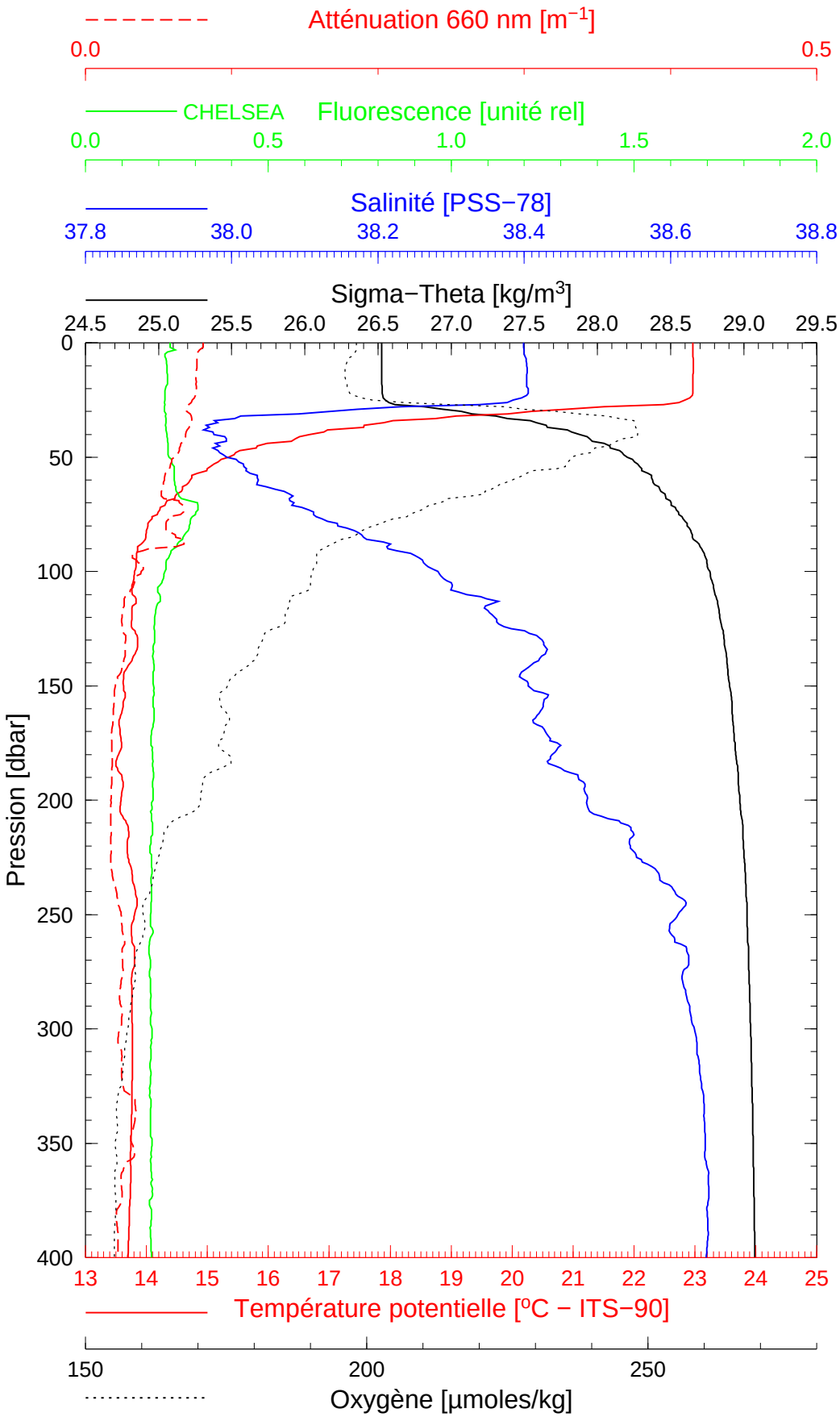


Date *22/09/2015* *Latitude* *43o36.973 N*

Heure déb *06h 09min [TU]* *Longitude* *07o24.828 E*

BOUSSOLE 163 **22/09/2015** **BOUS150922_03**

BOUS004

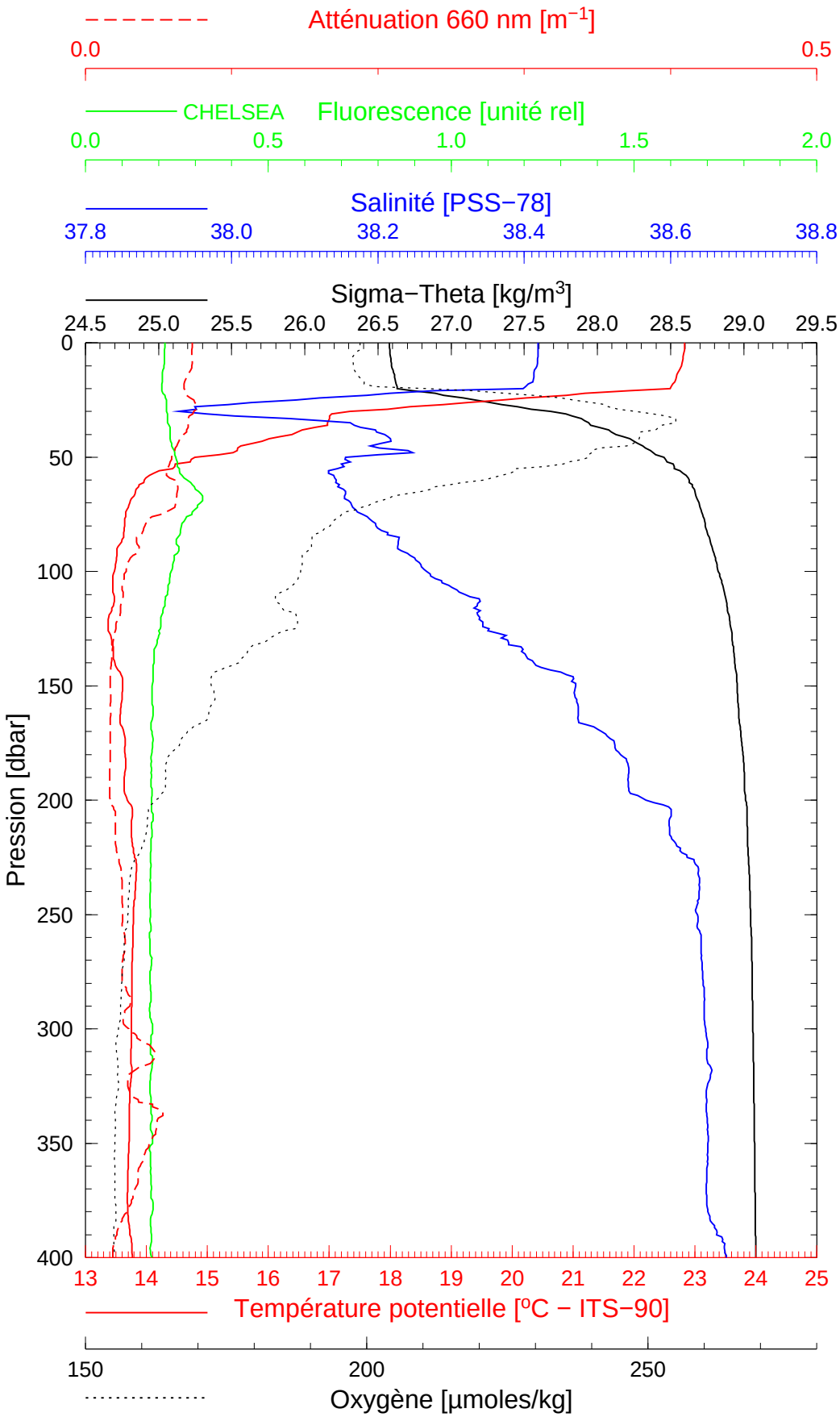


Date *22/09/2015* *Latitude* *43°33.968 N*

Heure déb *07h 08min [TU]* *Longitude* *07°30.870 E*

BOUSSOLE 163 **22/09/2015** **BOUS150922_04**

BOUS005

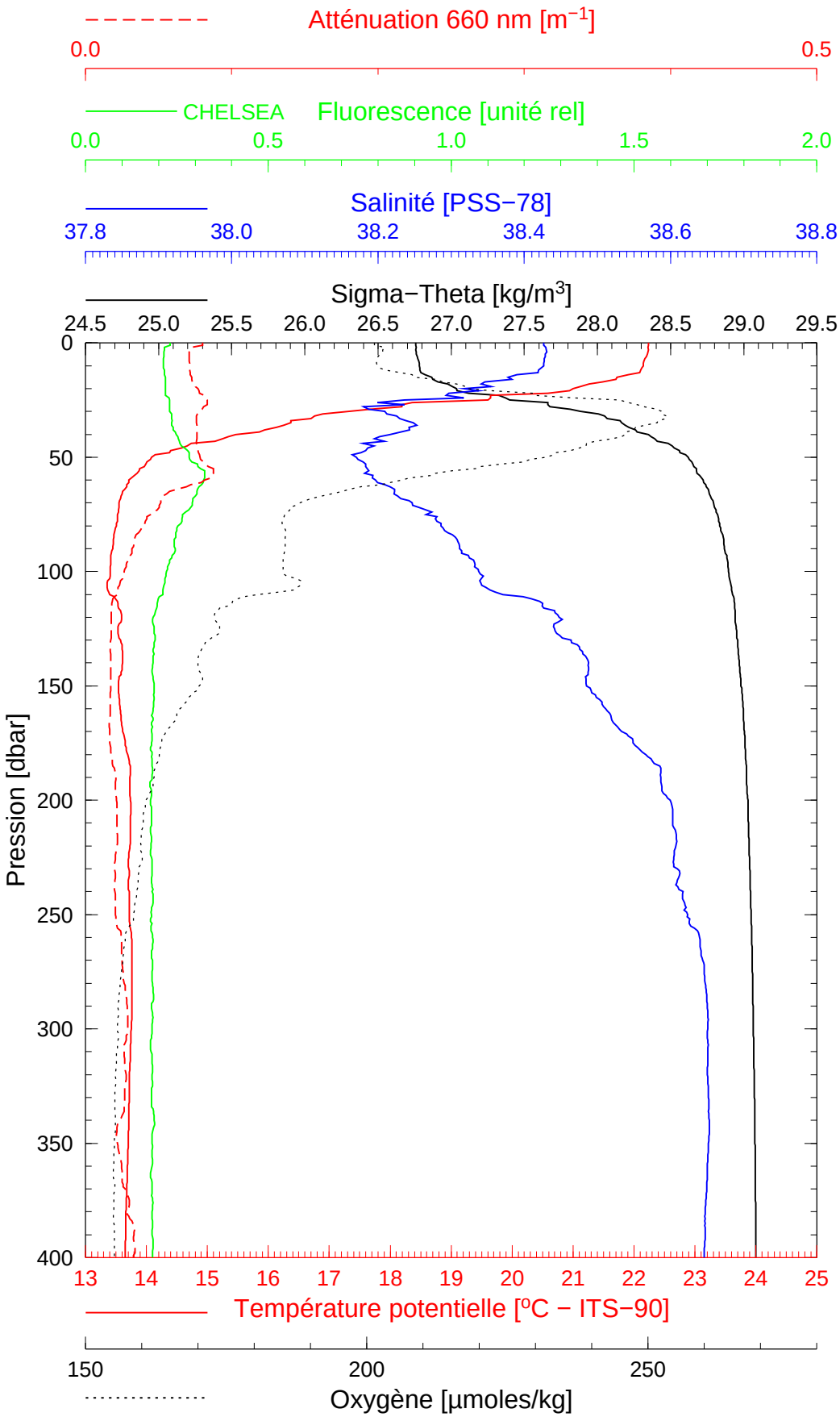


Date *22/09/2015* *Latitude* *43°30.966 N*

Heure déb *08h 08min [TU]* *Longitude* *07°36.954 E*

BOUSSOLE 163 **22/09/2015** **BOUS150922_05**

BOUS006

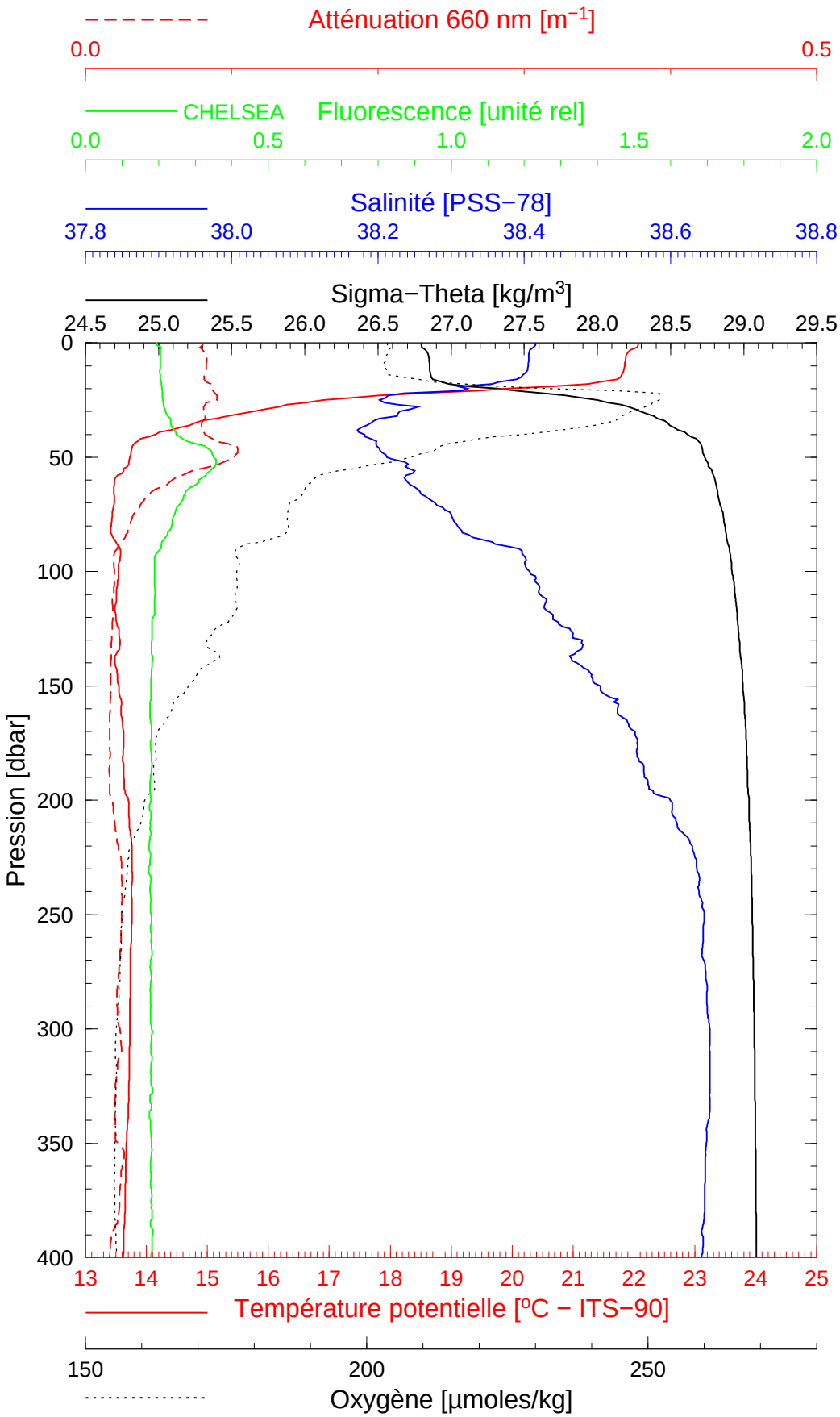


Date *22/09/2015* *Latitude* *43o28.009 N*

Heure déb *09h 03min [TU]* *Longitude* *07o41.940 E*

BOUSSOLE 163 **22/09/2015** **BOUS150922_06**

BOUS007

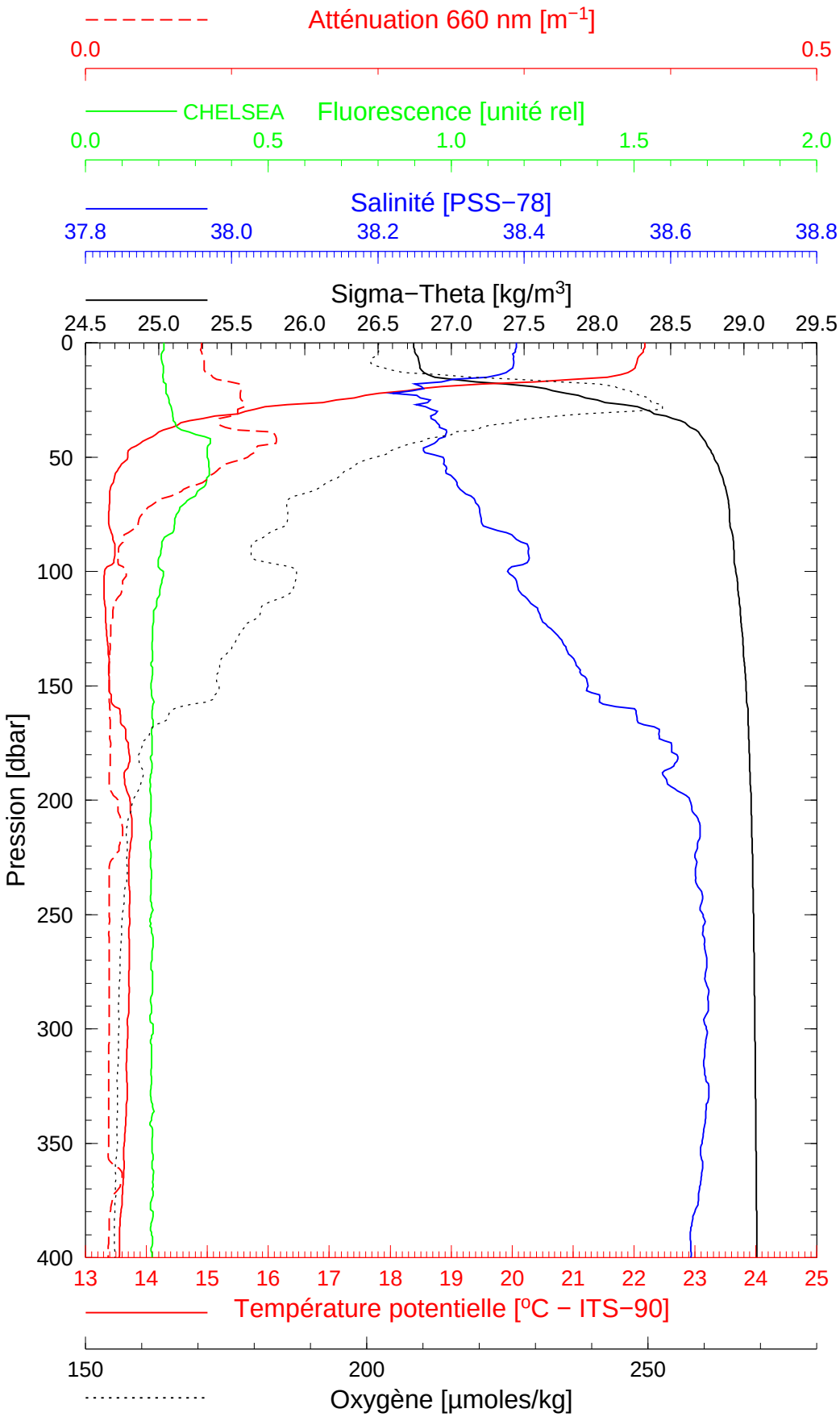


Date *22/09/2015* *Latitude* *43°25.039 N*

Heure déb *10h 03min [TU]* *Longitude* *07°47.978 E*

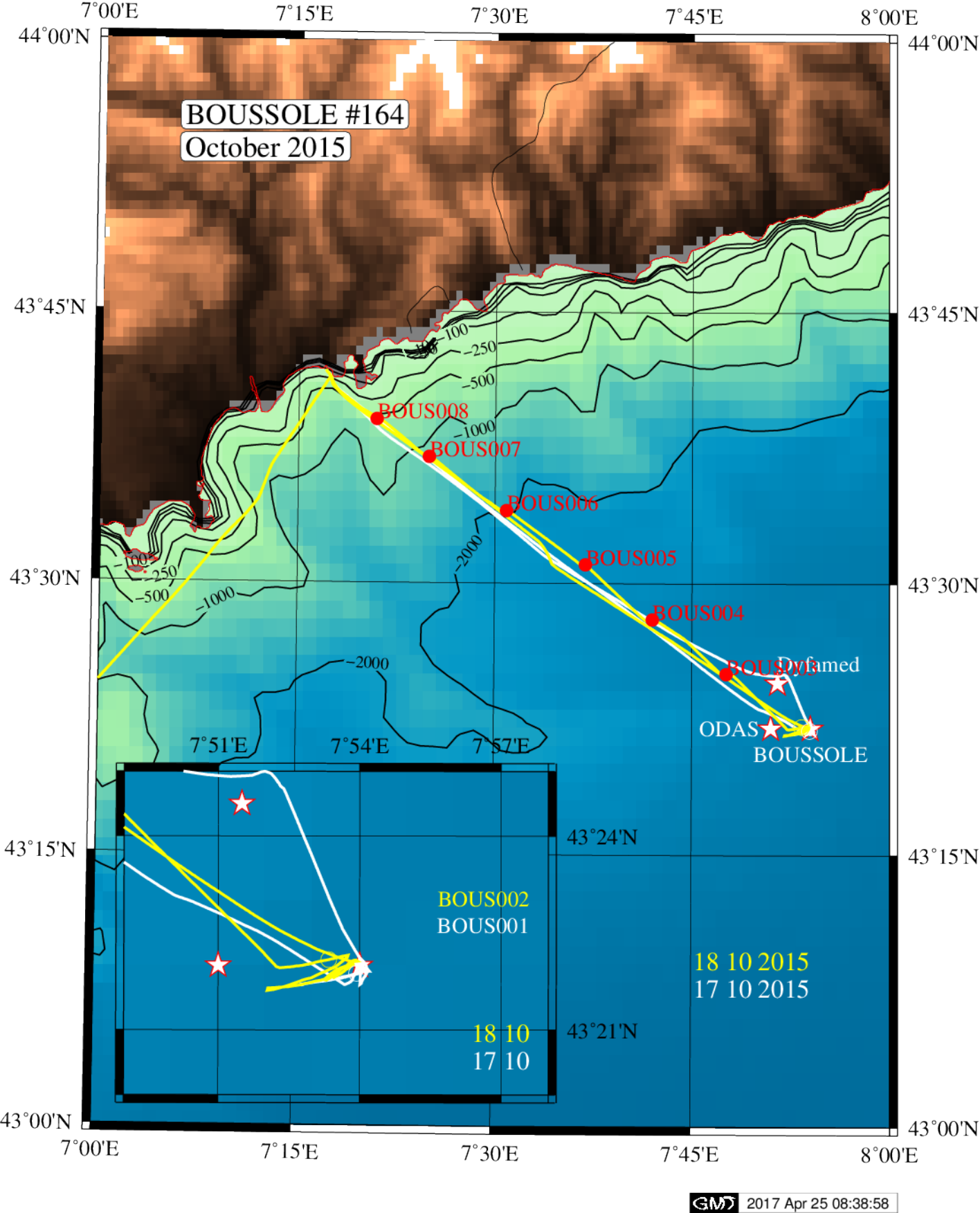
BOUSSOLE 163 **22/09/2015** **BOUS150922_07**

BOUS008



Date *22/09/2015* *Latitude* *43o22.238 N*

Heure déb *11h 14min [TU]* *Longitude* *07o54.065 E*



GMT 2017 Apr 25 08:38:58

Date: 08/03/2017

Instrument configuration file: C:\boussole\Data\CTD\2015\oct2015\ctd\raw\BOUS001.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 : 16-Apr-15
   G             : 4.36735425e-003
   H             : 6.43361369e-004
   I             : 2.35086423e-005
   J             : 2.25622577e-006
   F0            : 1000.000
   Slope         : 1.00000000
   Offset        : 0.0000
```

2) Frequency 1, Conductivity

```
   Serial number : 1313
   Calibrated on : 16-Apr-15
   G             : -3.93984071e+000
   H             : 4.71474053e-001
   I             : -2.17881662e-004
   J             : 3.85707661e-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
   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        : -0.27039
   AD590M        : 1.280100e-002
   AD590B        : -9.240166e+000
```

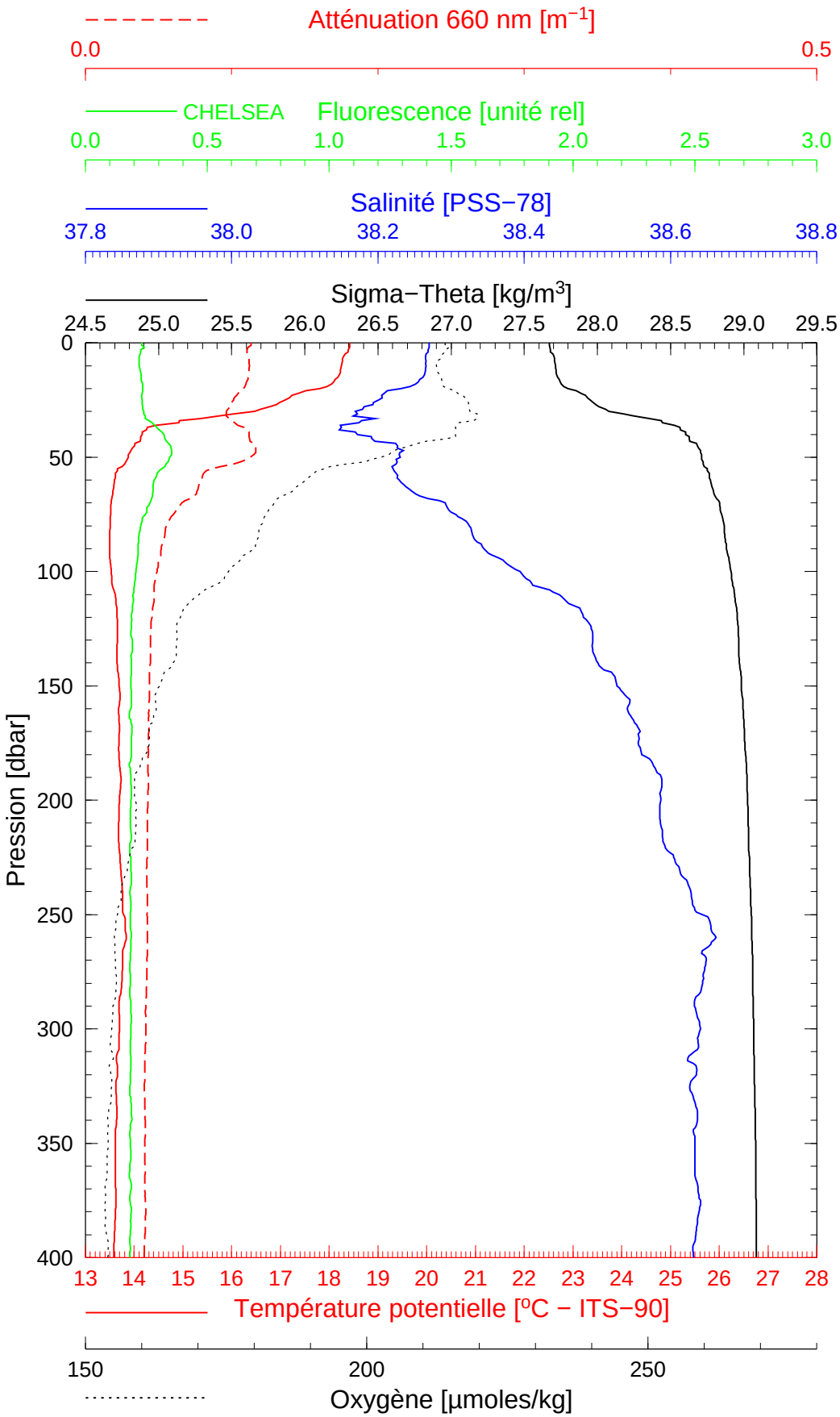
4) A/D voltage 0, Oxygen, SBE 43

```
   Serial number : 0587
   Calibrated on : 14-Mar-15
   Equation      : Sea-Bird
   Soc           : 3.87390e-001
   Offset        : -6.96400e-001
   A             : -3.78820e-003
   B             : 1.52710e-004
   C             : -2.38190e-006
   E             : 3.60000e-002
   Tau20         : 1.17000e+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-sept-2015
   M             : 21.3083
   B             : -0.1065
   Path length   : 0.250

8) A/D voltage 4, Altimeter

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

9) A/D voltage 5, Free

10) A/D voltage 6, 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 7, 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                   : 31
```

BOUSSOLE 164 **17/10/2015** **BOUS151017_01**

BOUS001

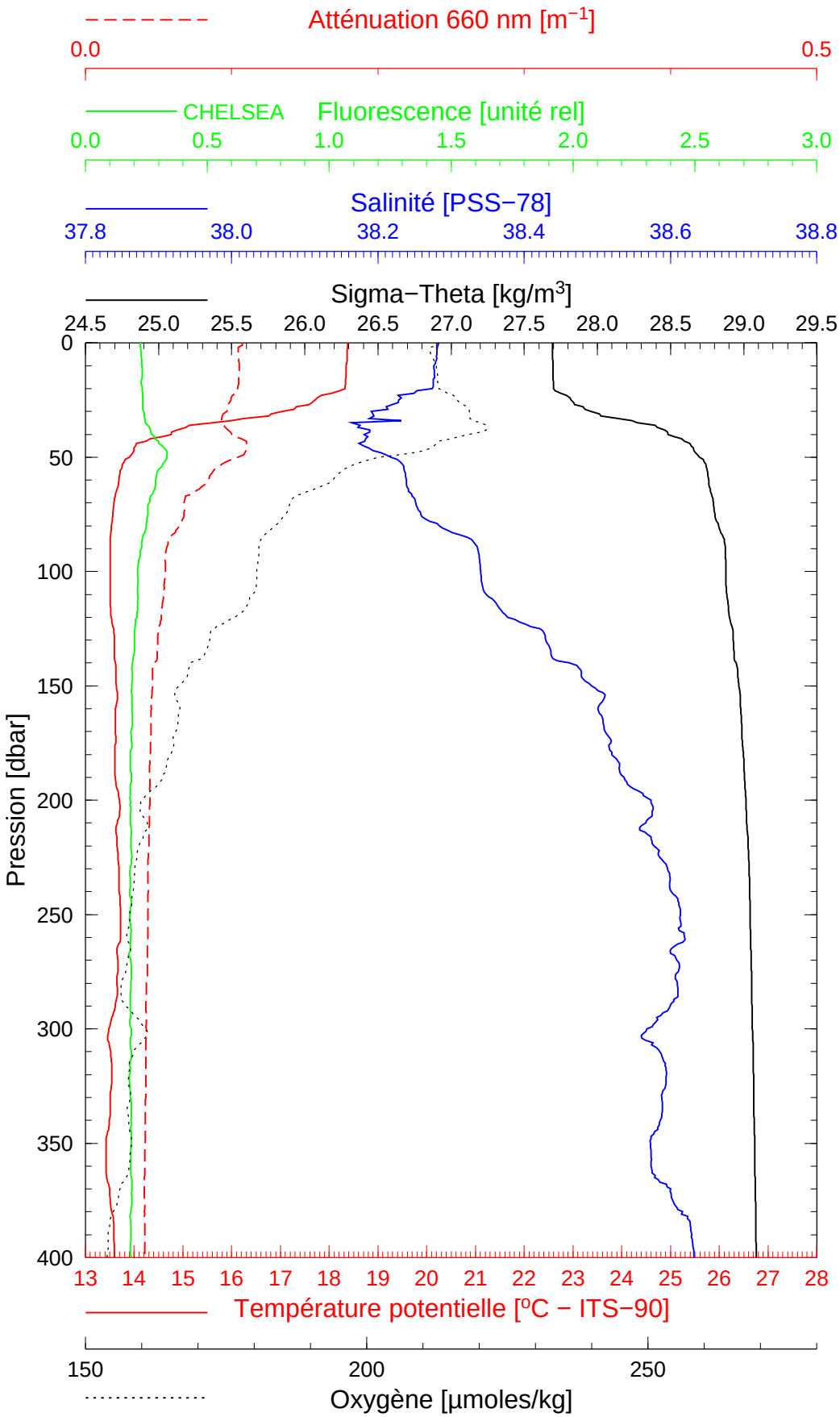


Date *17/10/2015* *Latitude* *43°21.874 N*

Heure déb *13h 51min [TU]* *Longitude* *07°53.936 E*

BOUSSOLE 164 **18/10/2015** **BOUS151018_01**

BOUS002

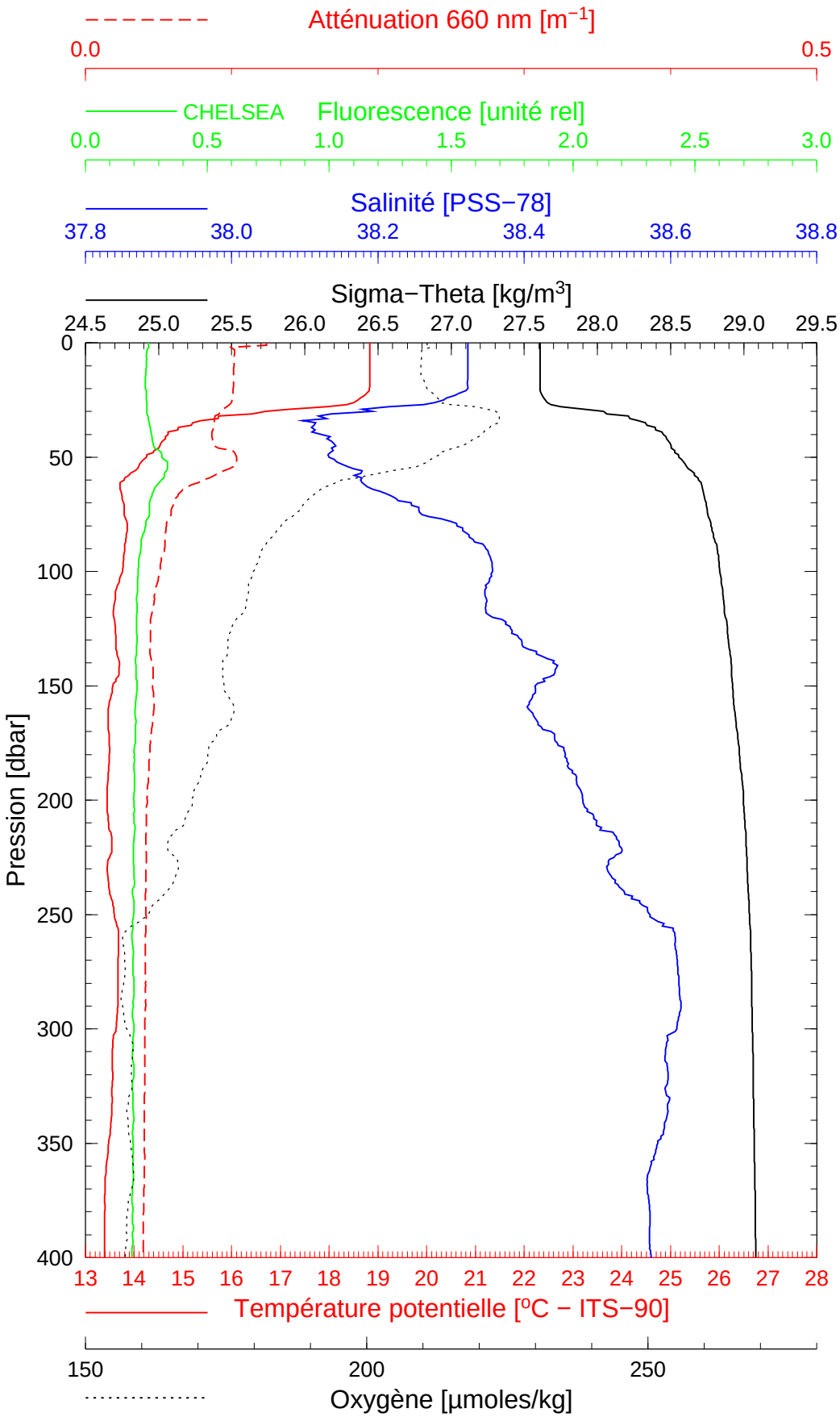


Date *18/10/2015* *Latitude* *43°22.087 N*

Heure déb *11h 03min [TU]* *Longitude* *07°53.345 E*

BOUSSOLE 164 **18/10/2015** **BOUS151018_02**

BOUS003

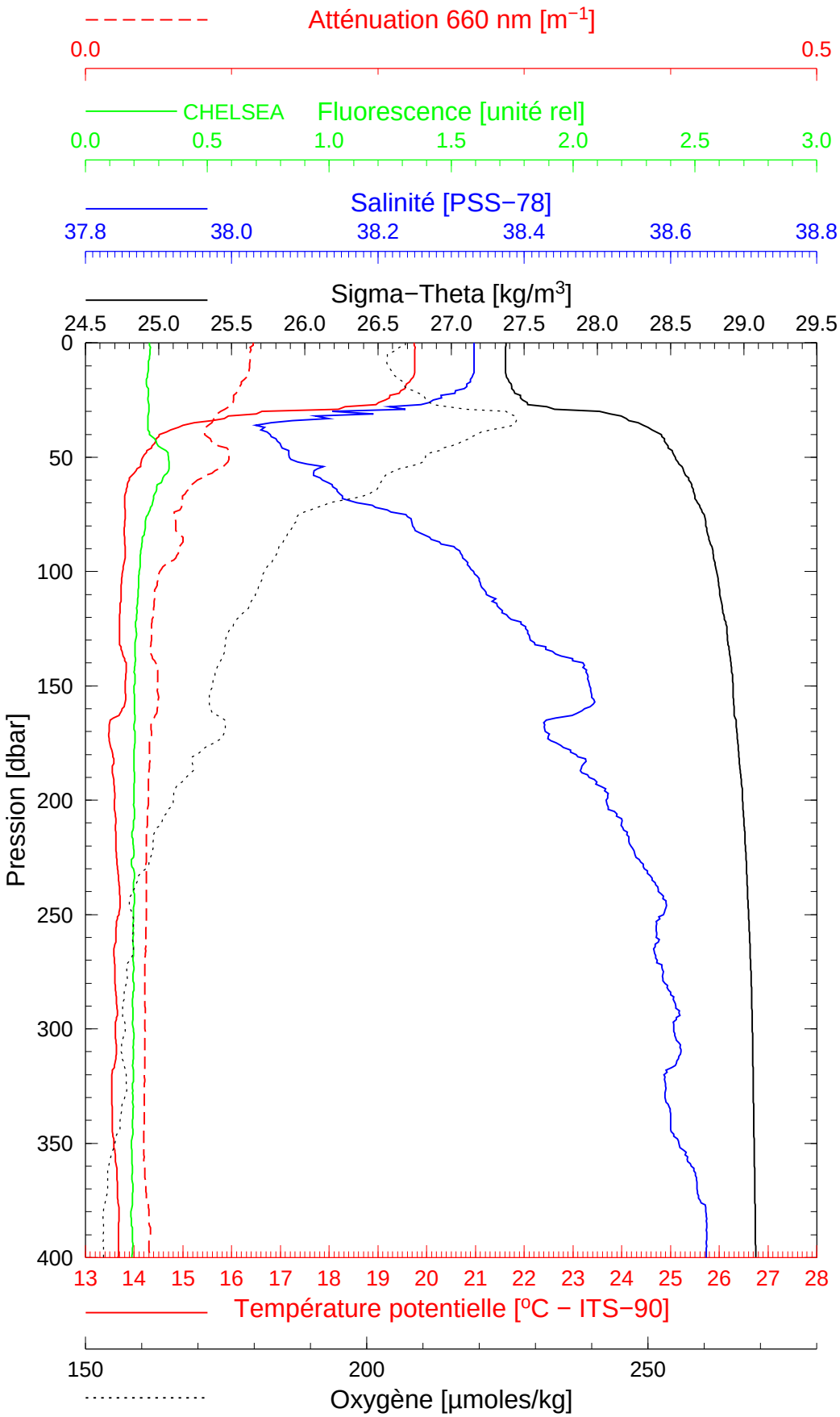


Date *18/10/2015* *Latitude* *43°25.003 N*

Heure déb *12h 37min [TU]* *Longitude* *07°47.606 E*

BOUSSOLE 164 **18/10/2015** **BOUS151018_03**

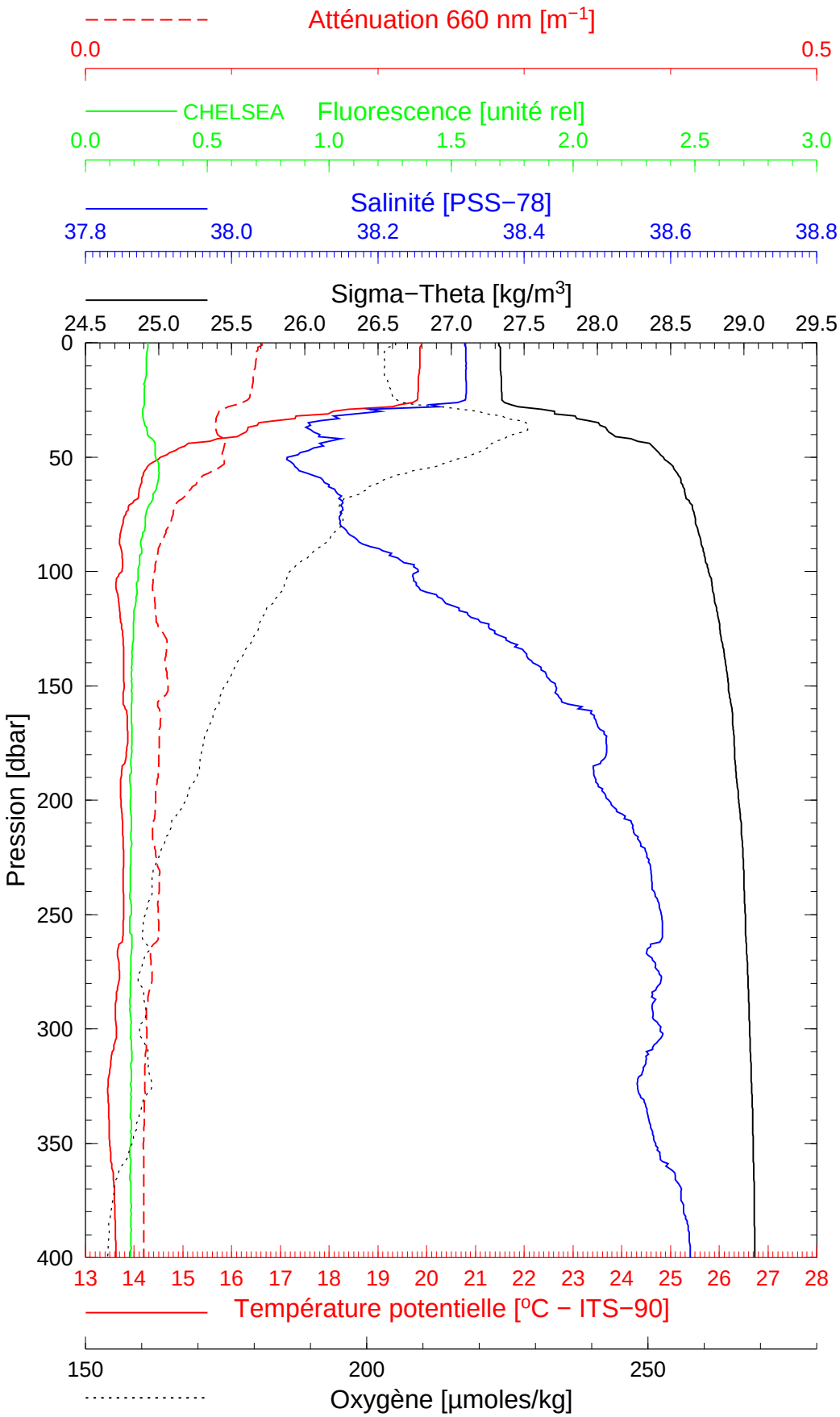
BOUS004



Date	*18/10/2015*	*Latitude*	*43°28.007 N*
Heure déb	*13h 29min [TU]*	*Longitude*	*07°41.999 E*

BOUSSOLE 164 **18/10/2015** **BOUS151018_04**

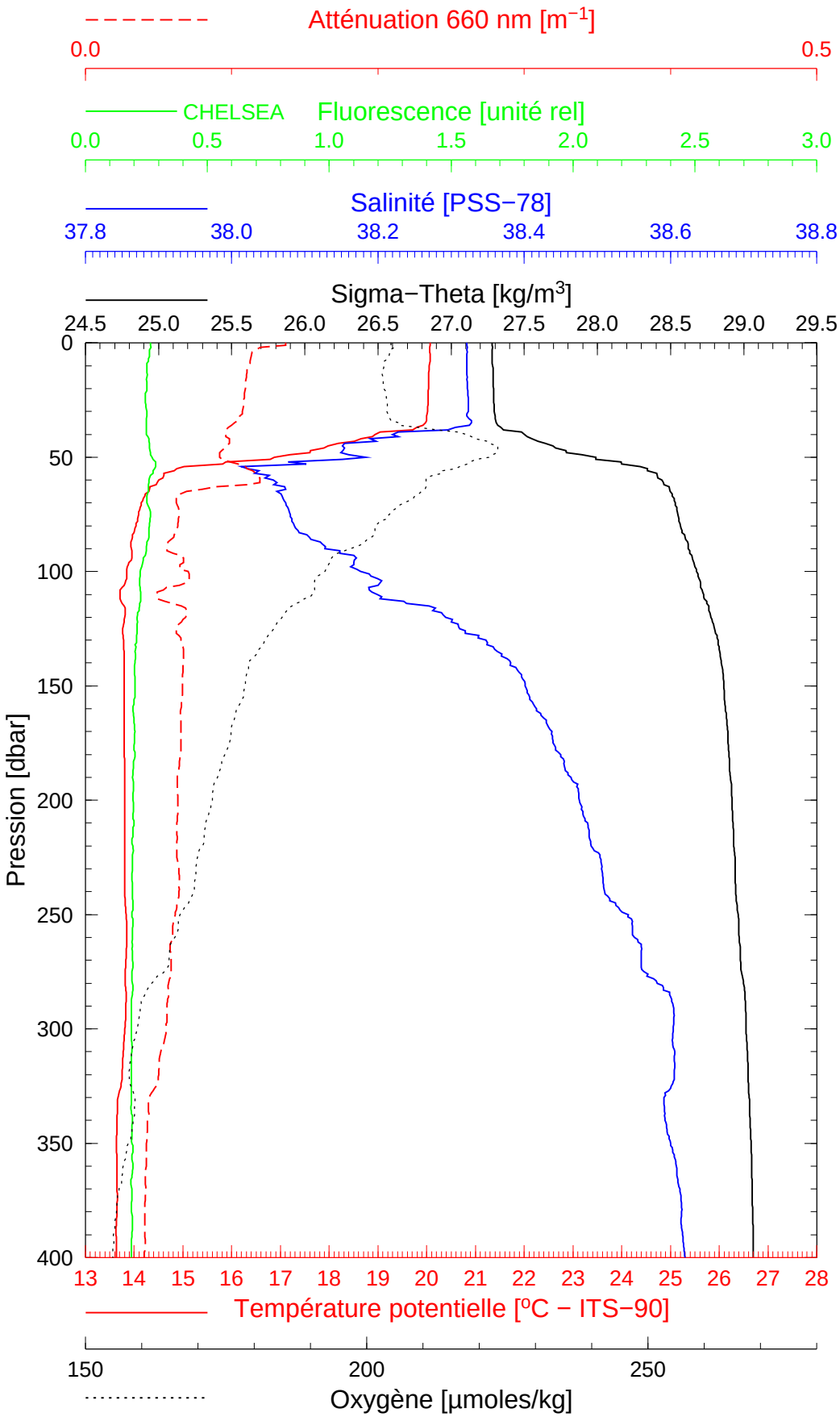
BOUS005



Date	*18/10/2015*	*Latitude*	*43°31.030 N*
Heure déb	*14h 32min [TU]*	*Longitude*	*07°36.890 E*

BOUSSOLE 164 **18/10/2015** **BOUS151018_05**

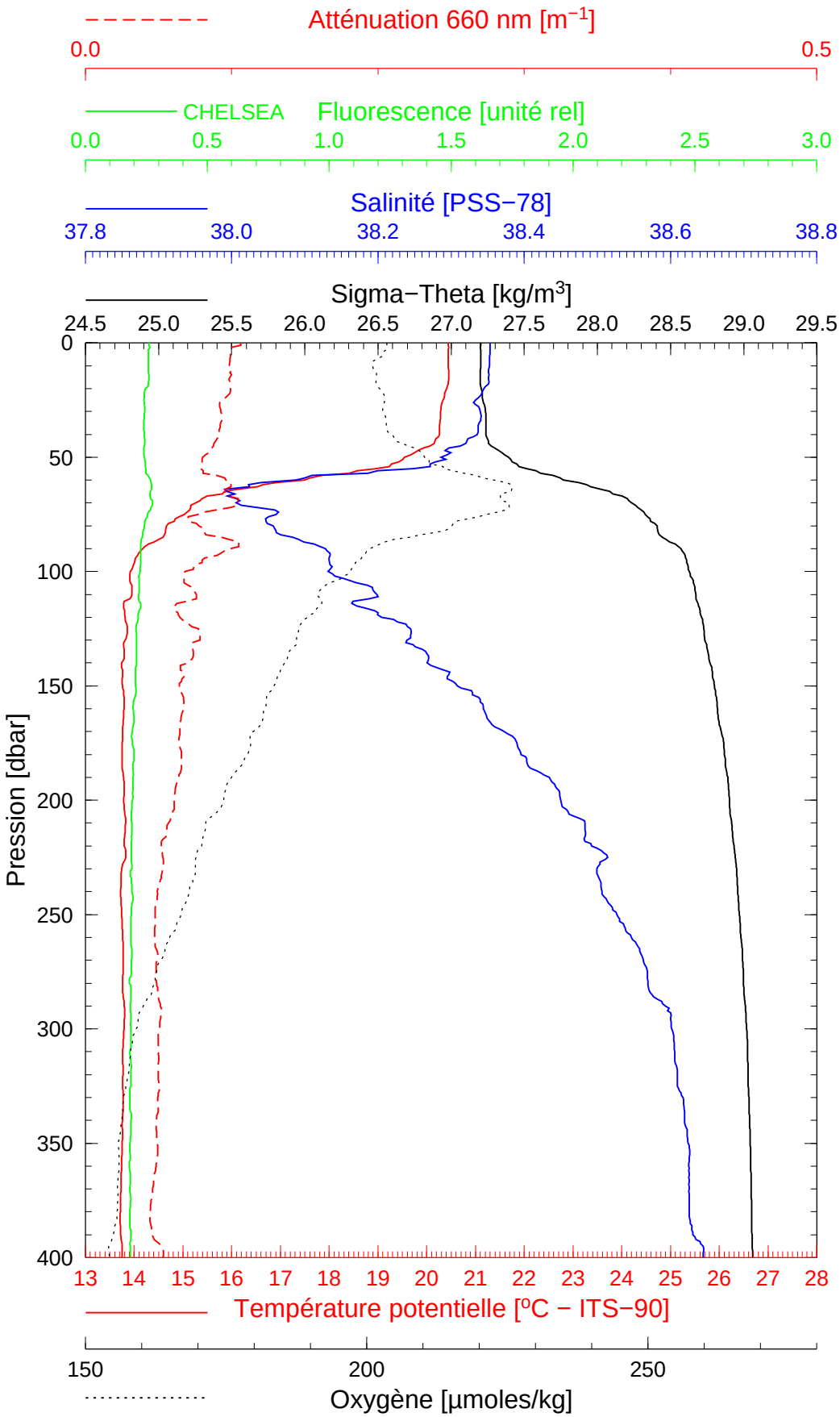
BOUS006



Date	*18/10/2015*	*Latitude*	*43°34.000 N*
Heure déb	*15h 25min [TU]*	*Longitude*	*07°30.864 E*

BOUSSOLE 164 **18/10/2015** **BOUS151018_06**

BOUS007

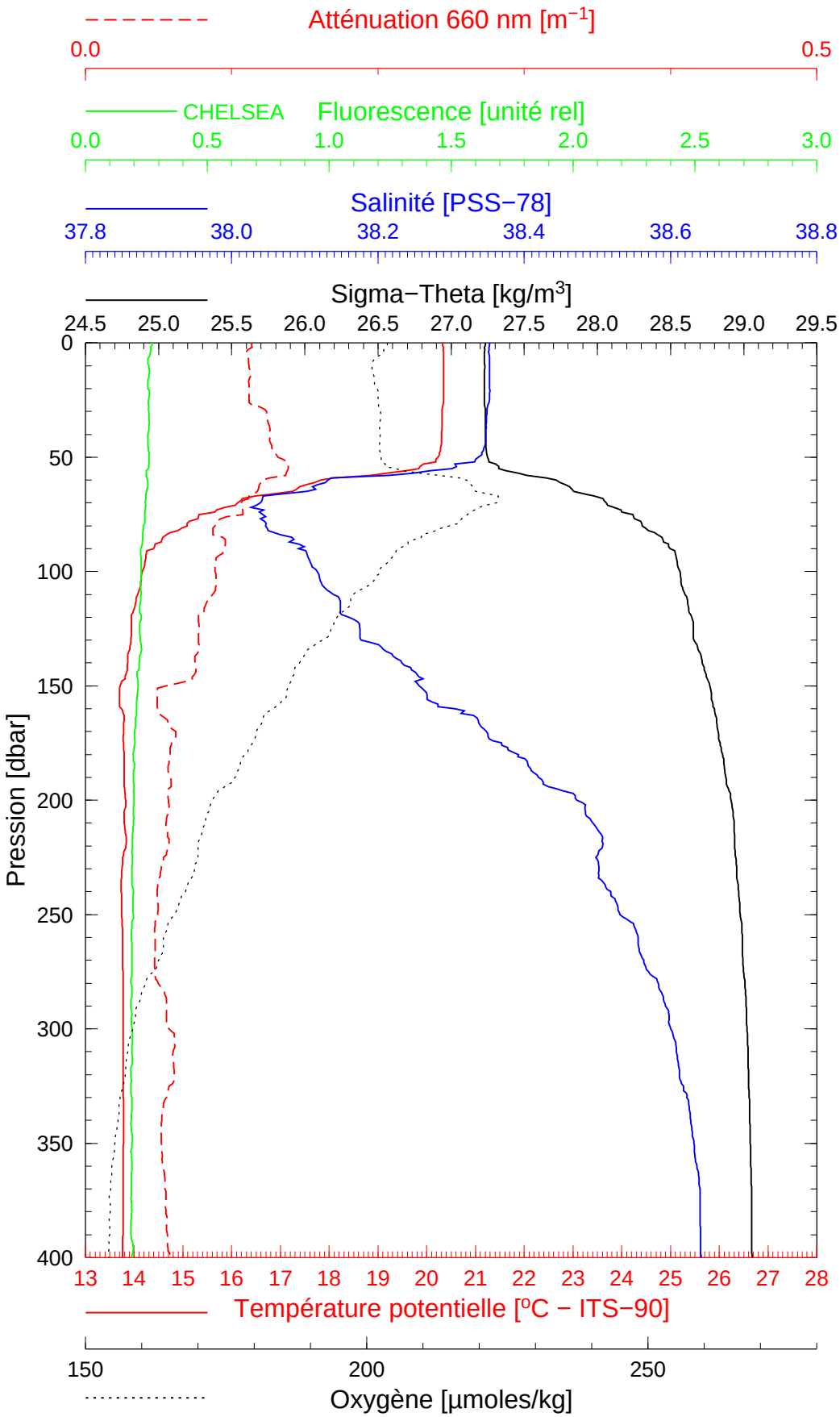


Date *18/10/2015* *Latitude* *43o36.961 N*

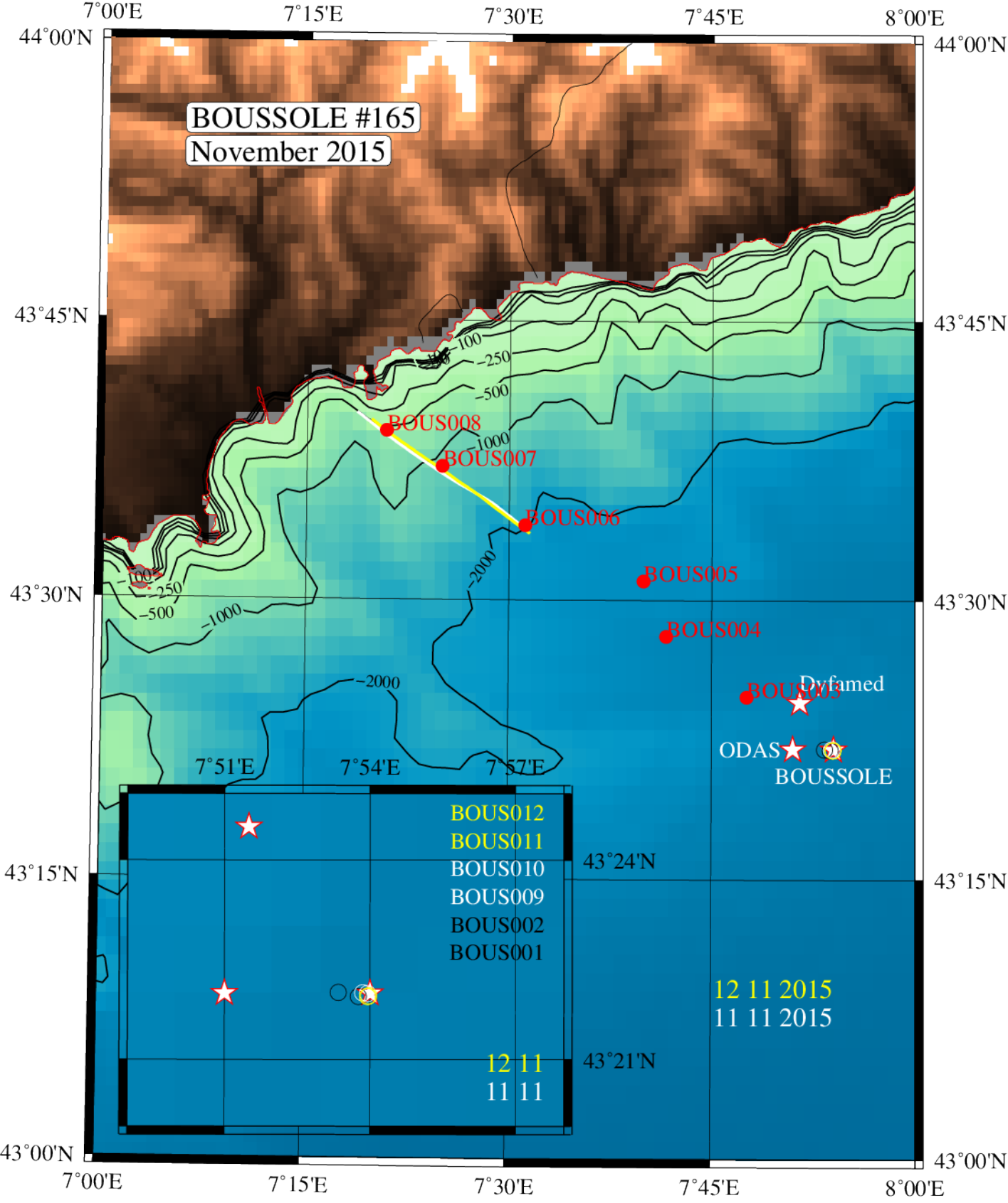
Heure déb *16h 21min [TU]* *Longitude* *07o24.958 E*

BOUSSOLE 164 **18/10/2015** **BOUS151018_07**

BOUS008



Date	*18/10/2015*	*Latitude*	*43°39.038 N*
Heure déb	*17h 04min [TU]*	*Longitude*	*07°20.953 E*


BOUSSOLE #165
November 2015
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
BOUS008
BOUS007
BOUS006
BOUS005
BOUS004
BOUS003
Dyfamed
ODAS
BOUSSOLE
7°51'E
7°54'E
7°57'E
43°24'N
43°21'N
BOUS012
BOUS011
BOUS010
BOUS009
BOUS002
BOUS001
12 11 2015
11 11 2015
12 11
11 11
GMT 2017 Apr 25 08:39:03

Date: 08/03/2017

Instrument configuration file: C:\boussole\Data\CTD\2015\nov2015\ctd\raw\BOUS001.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 : 16-Apr-15
   G             : 4.36735425e-003
   H             : 6.43361369e-004
   I             : 2.35086423e-005
   J             : 2.25622577e-006
   F0            : 1000.000
   Slope         : 1.00000000
   Offset        : 0.0000
```

2) Frequency 1, Conductivity

```
   Serial number : 1313
   Calibrated on : 16-Apr-15
   G             : -3.93984071e+000
   H             : 4.71474053e-001
   I             : -2.17881662e-004
   J             : 3.85707661e-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
   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        : -0.27039
   AD590M        : 1.280100e-002
   AD590B        : -9.240166e+000
```

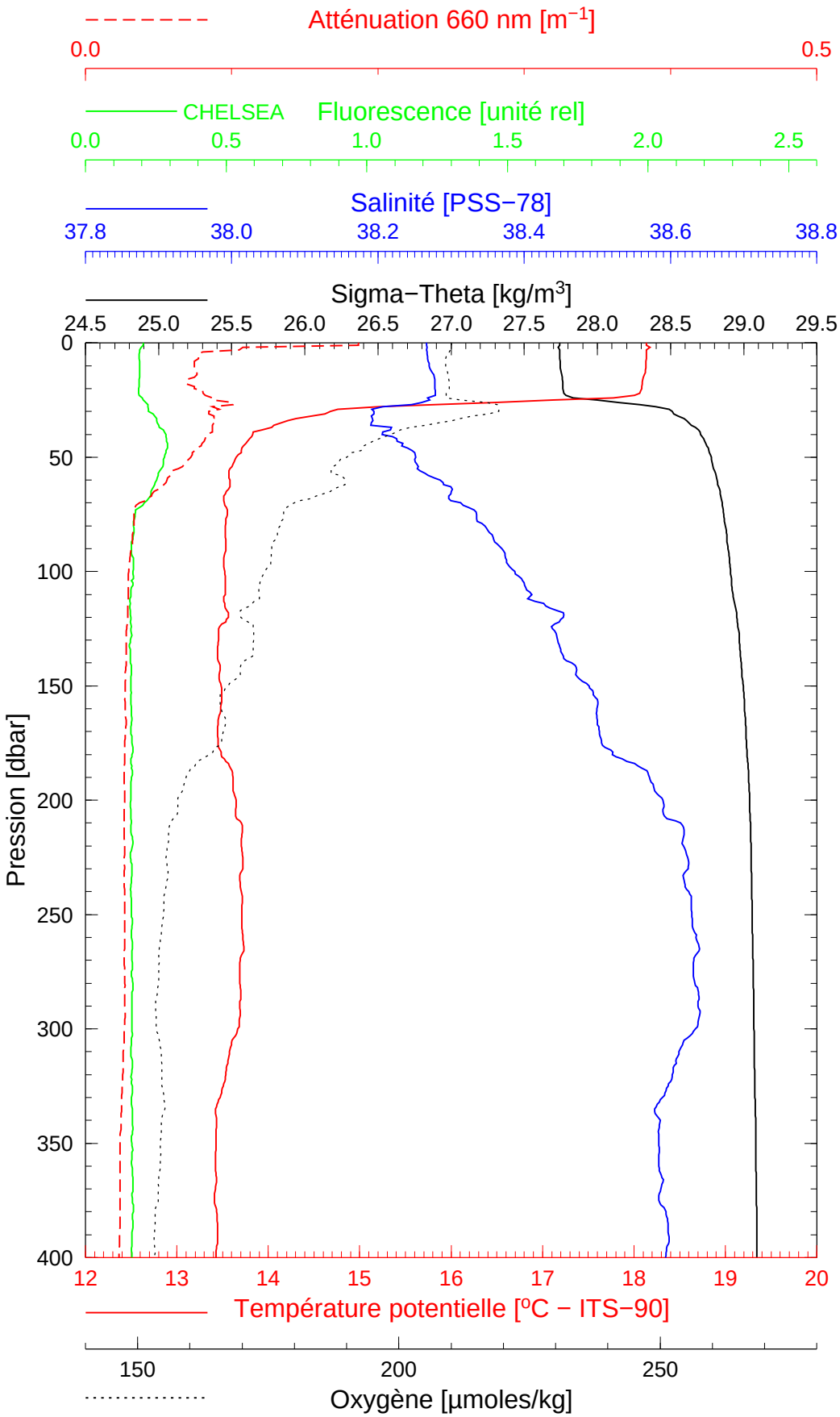
4) A/D voltage 0, Oxygen, SBE 43

```
   Serial number : 0587
   Calibrated on : 14-Mar-15
   Equation      : Sea-Bird
   Soc           : 3.87390e-001
   Offset        : -6.96400e-001
   A             : -3.78820e-003
   B             : 1.52710e-004
   C             : -2.38190e-006
   E             : 3.60000e-002
   Tau20         : 1.17000e+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, User Polynomial

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

7) A/D voltage 3, 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

8) A/D voltage 4, 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

9) A/D voltage 5, Transmissometer, WET Labs C-Star

   Serial number : 887DR
   Calibrated on : 11-sept-2015
   M             : 21.3083
   B             : -0.1065
   Path length   : 0.250

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
```

BOUSSOLE 165 **10/11/2015** **BOUS151110_01**

BOUS001

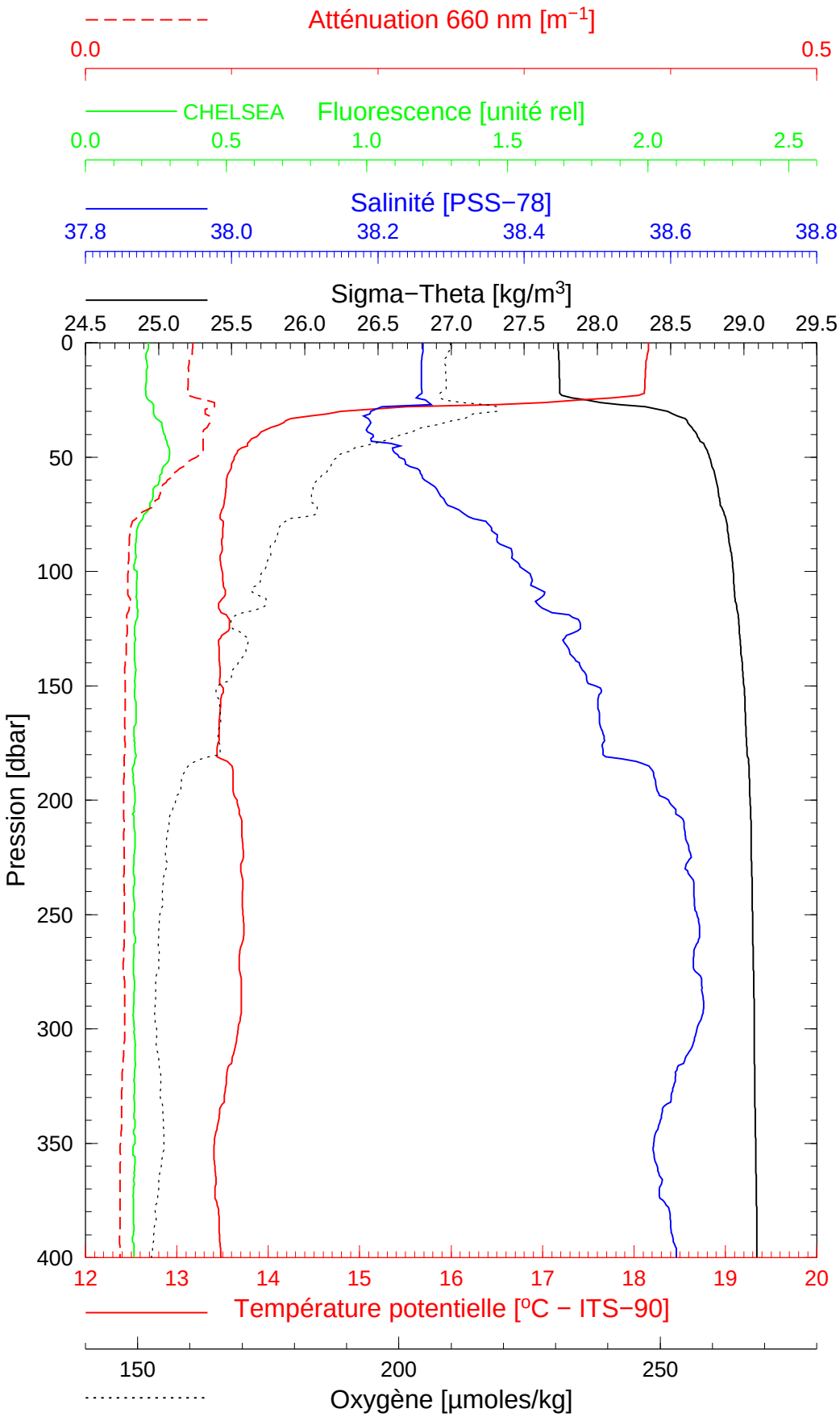


Date *10/11/2015* *Latitude* *43o22.010 N*

Heure déb *10h 26min [TU]* *Longitude* *07o53.350 E*

BOUSSOLE 165 **10/11/2015** **BOUS151110_02**

BOUS002

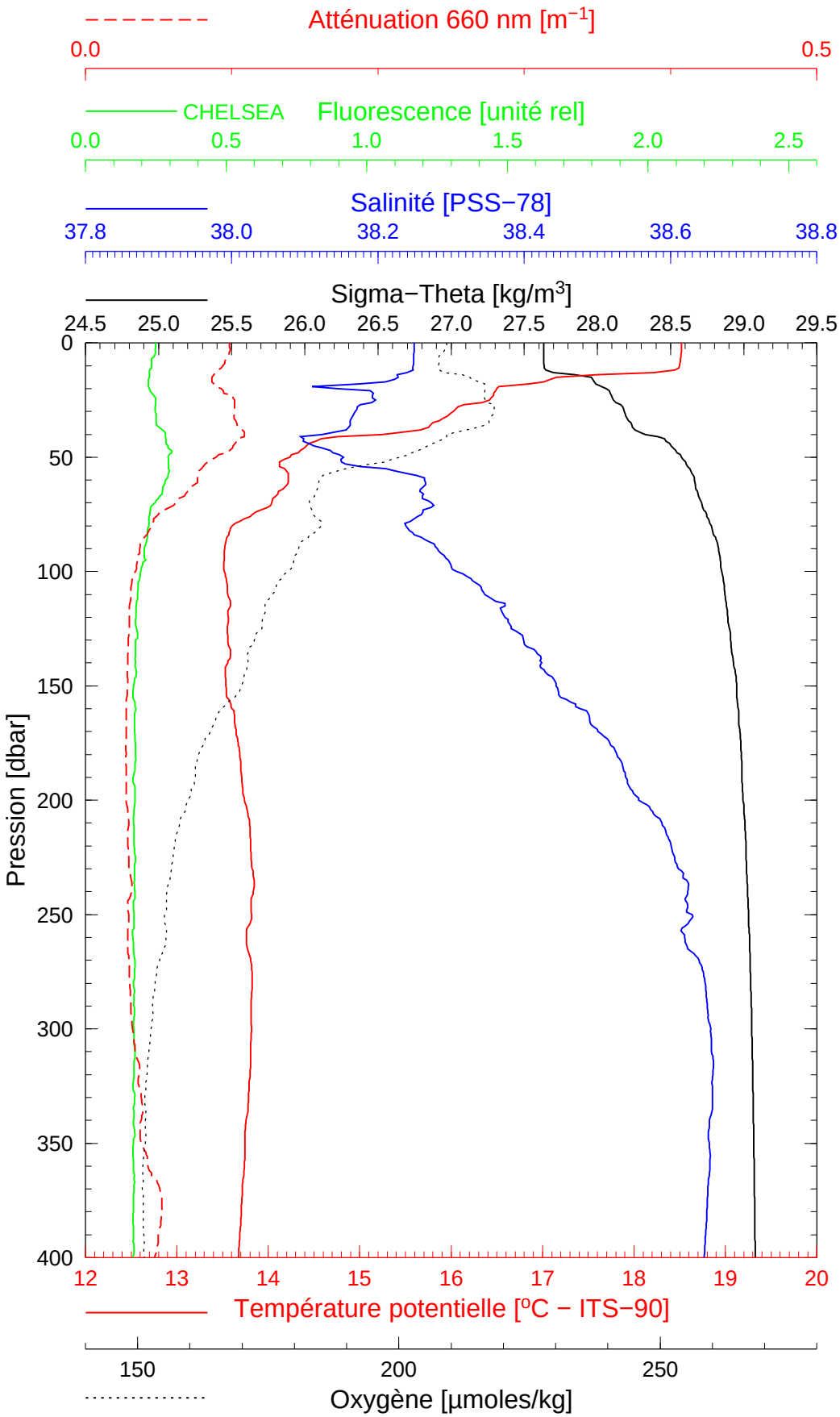


Date *10/11/2015* *Latitude* *43o21.950 N*

Heure déb *11h 00min [TU]* *Longitude* *07o53.760 E*

BOUSSOLE 165 **10/11/2015** **BOUS151110_03**

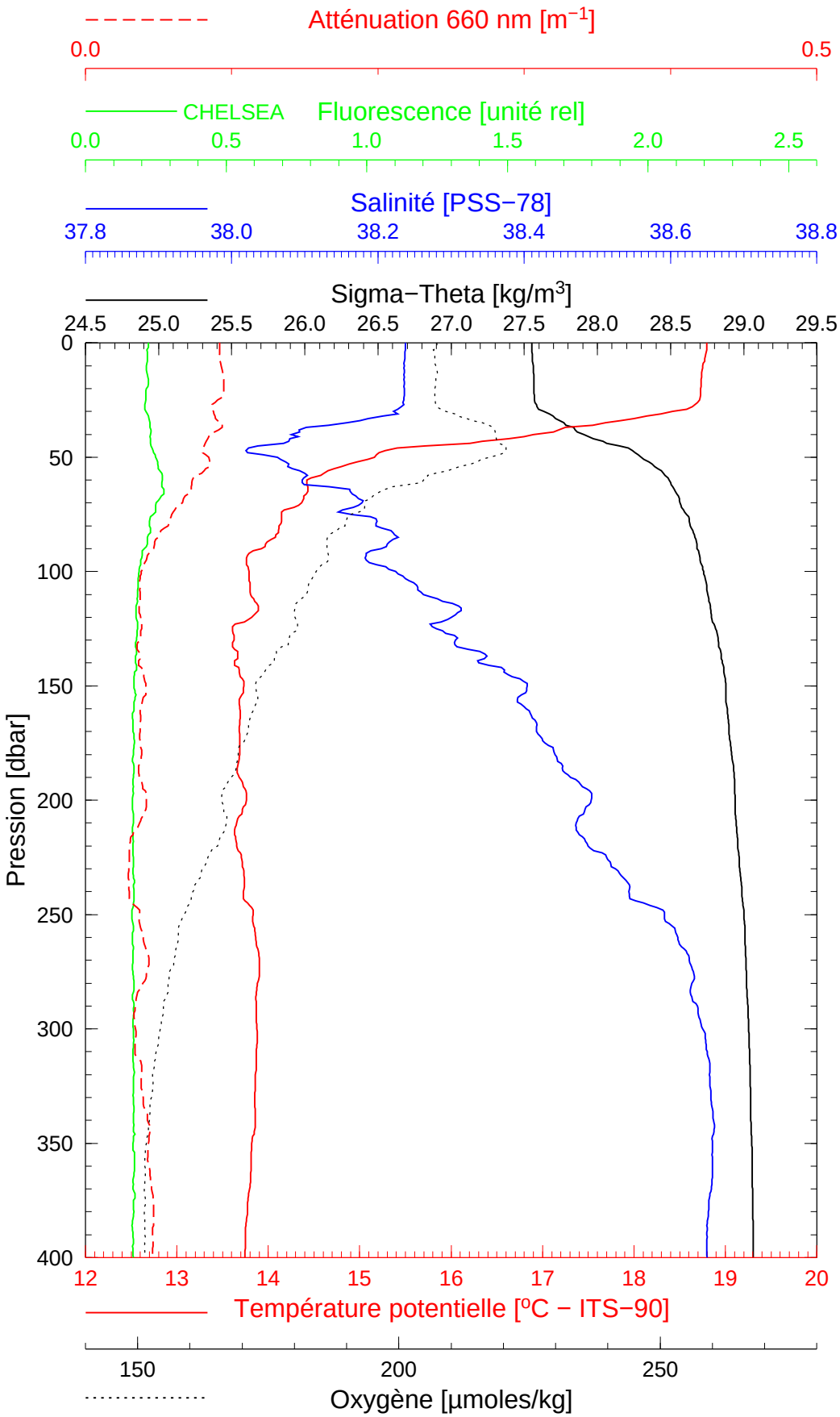
BOUS003



Date	*10/11/2015*	*Latitude*	*43°24.810 N*
Heure déb	*13h 15min [TU]*	*Longitude*	*07°47.590 E*

BOUSSOLE 165 **10/11/2015** **BOUS151110_04**

BOUS004

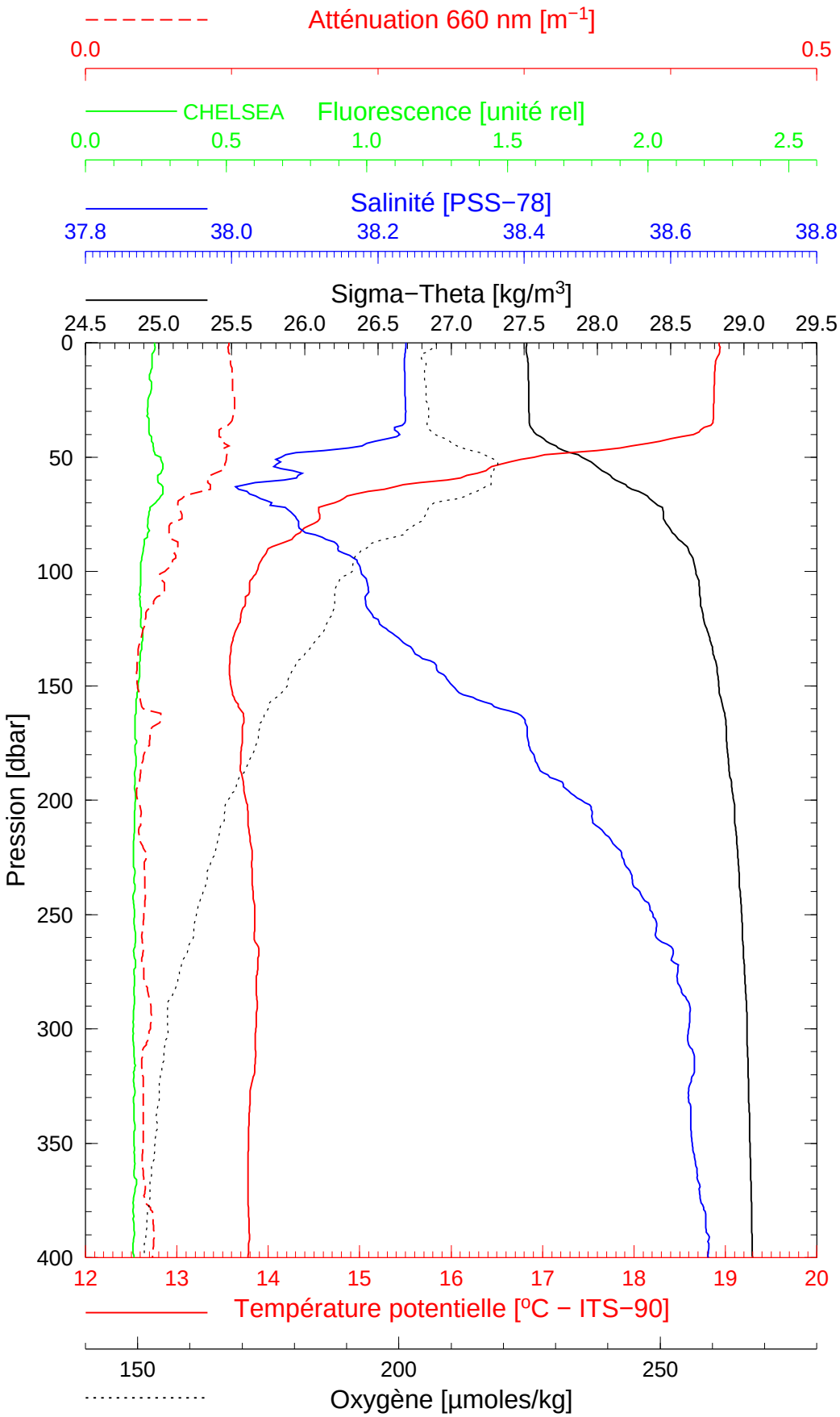


Date *10/11/2015* *Latitude* *43o28.050 N*

Heure déb *14h 22min [TU]* *Longitude* *07o41.650 E*

BOUSSOLE 165 **10/11/2015** **BOUS151110_05**

BOUS005

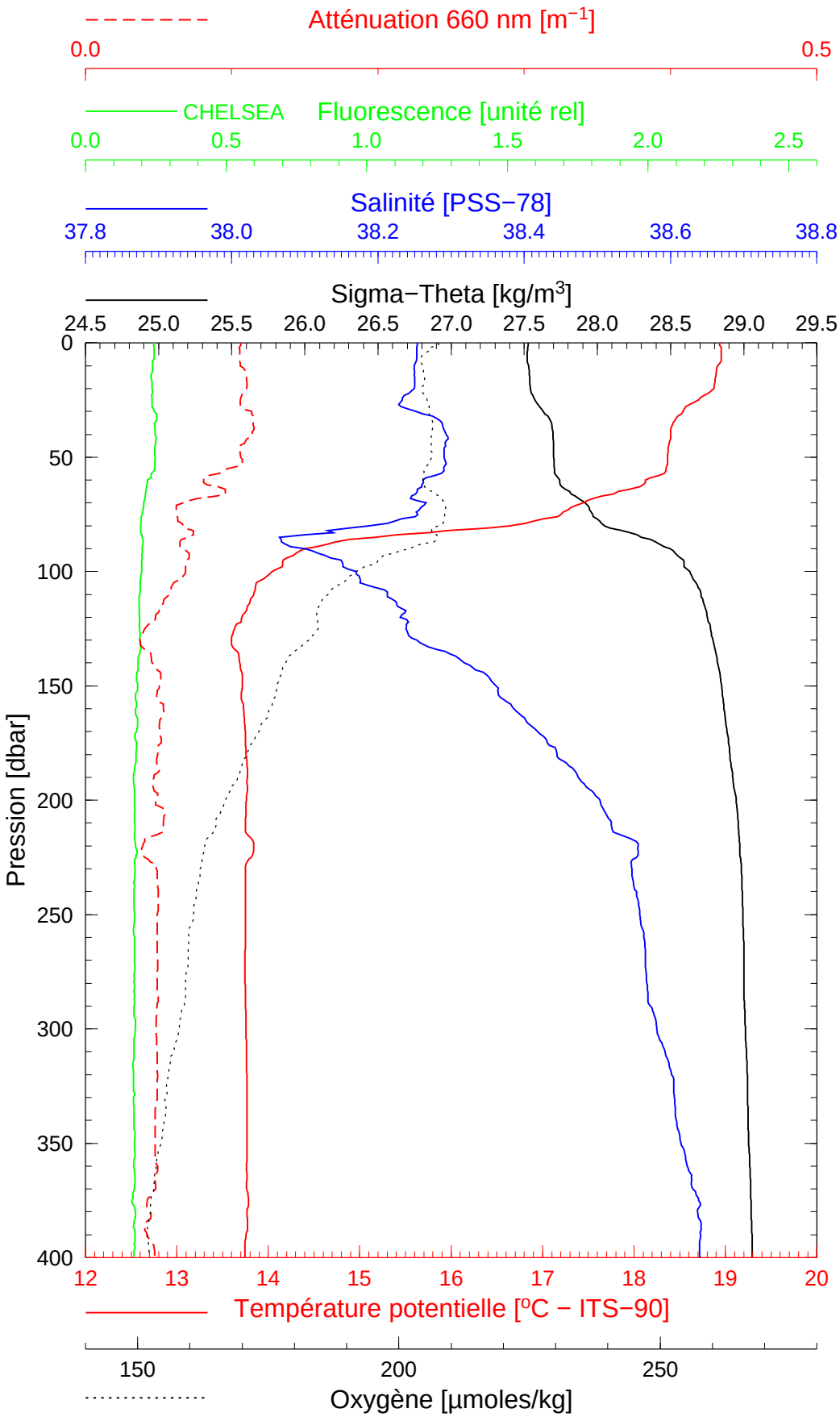


Date *10/11/2015* *Latitude* *43o31.020 N*

Heure déb *15h 18min [TU]* *Longitude* *07o39.960 E*

BOUSSOLE 165 **10/11/2015** **BOUS151110_06**

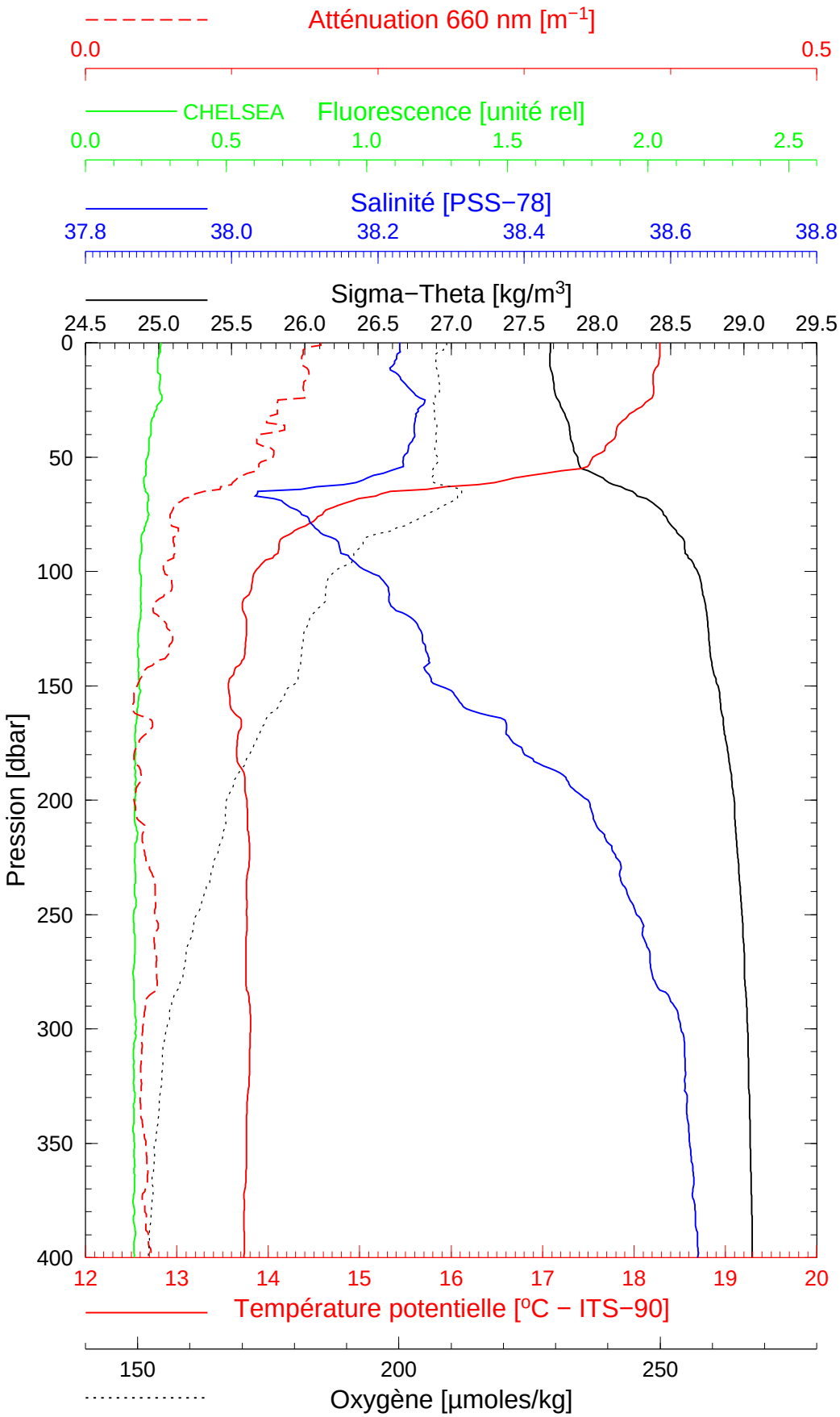
BOUS006



Date	*10/11/2015*	*Latitude*	*43°34.000 N*
Heure déb	*16h 10min [TU]*	*Longitude*	*07°31.180 E*

BOUSSOLE 165 **10/11/2015** **BOUS151110_07**

BOUS007

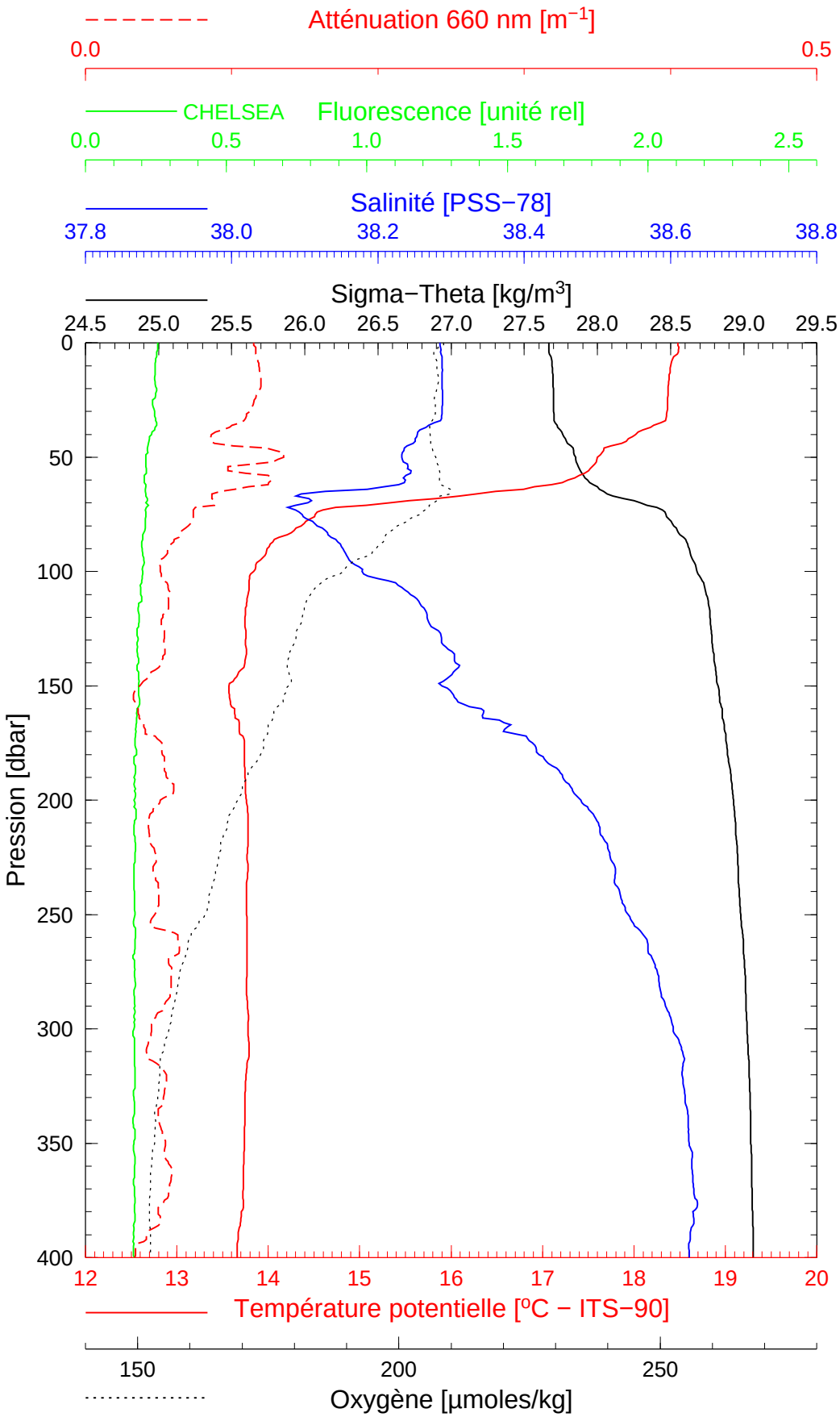


Date *10/11/2015* *Latitude* *43o37.160 N*

Heure déb *17h 03min [TU]* *Longitude* *07o25.030 E*

BOUSSOLE 165 **10/11/2015** **BOUS151110_08**

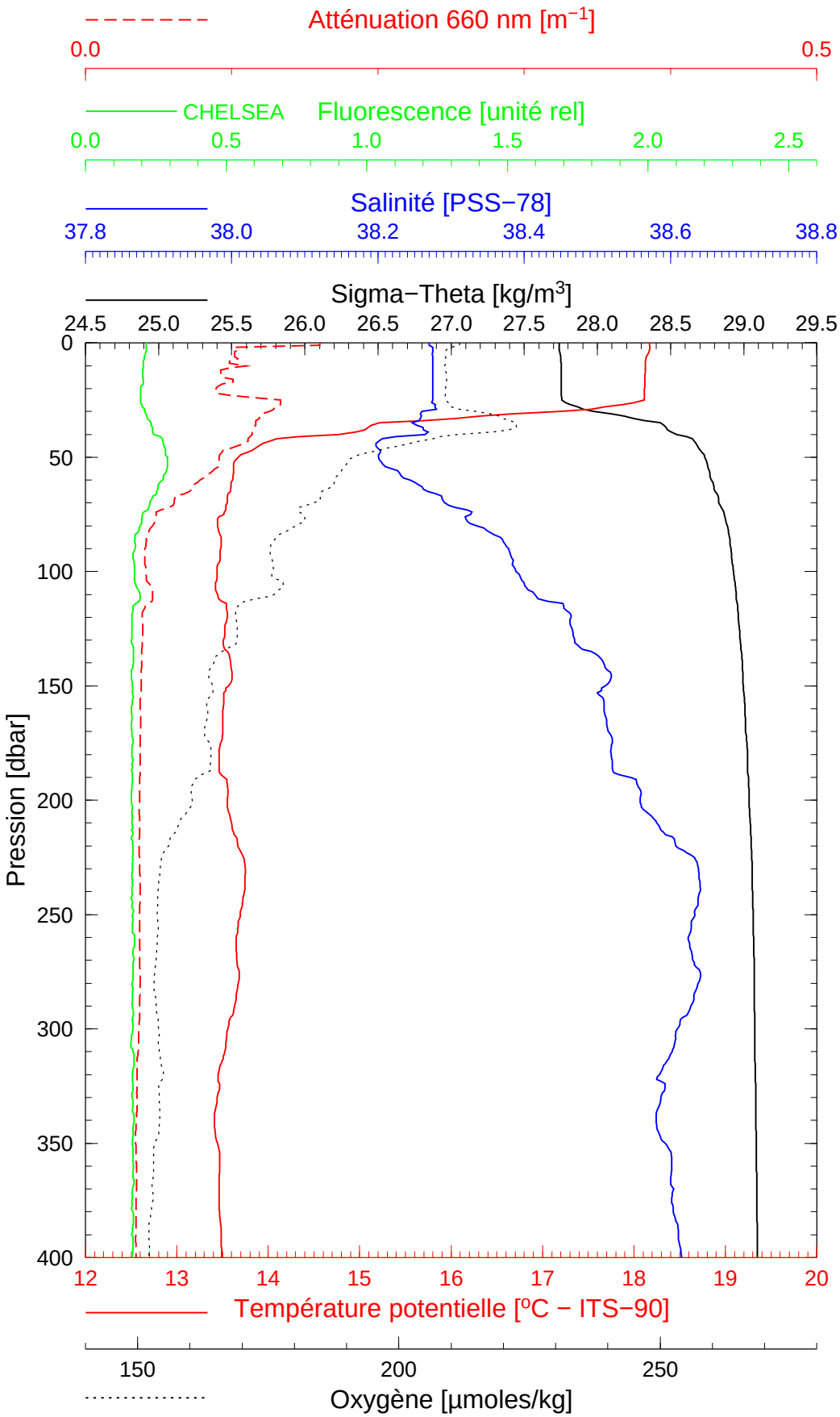
BOUS008



Date	*10/11/2015*	*Latitude*	*43o39.064 N*
Heure déb	*18h 15min [TU]*	*Longitude*	*07o20.878 E*

BOUSSOLE 165 **11/11/2015** **BOUS151111_01**

BOUS009

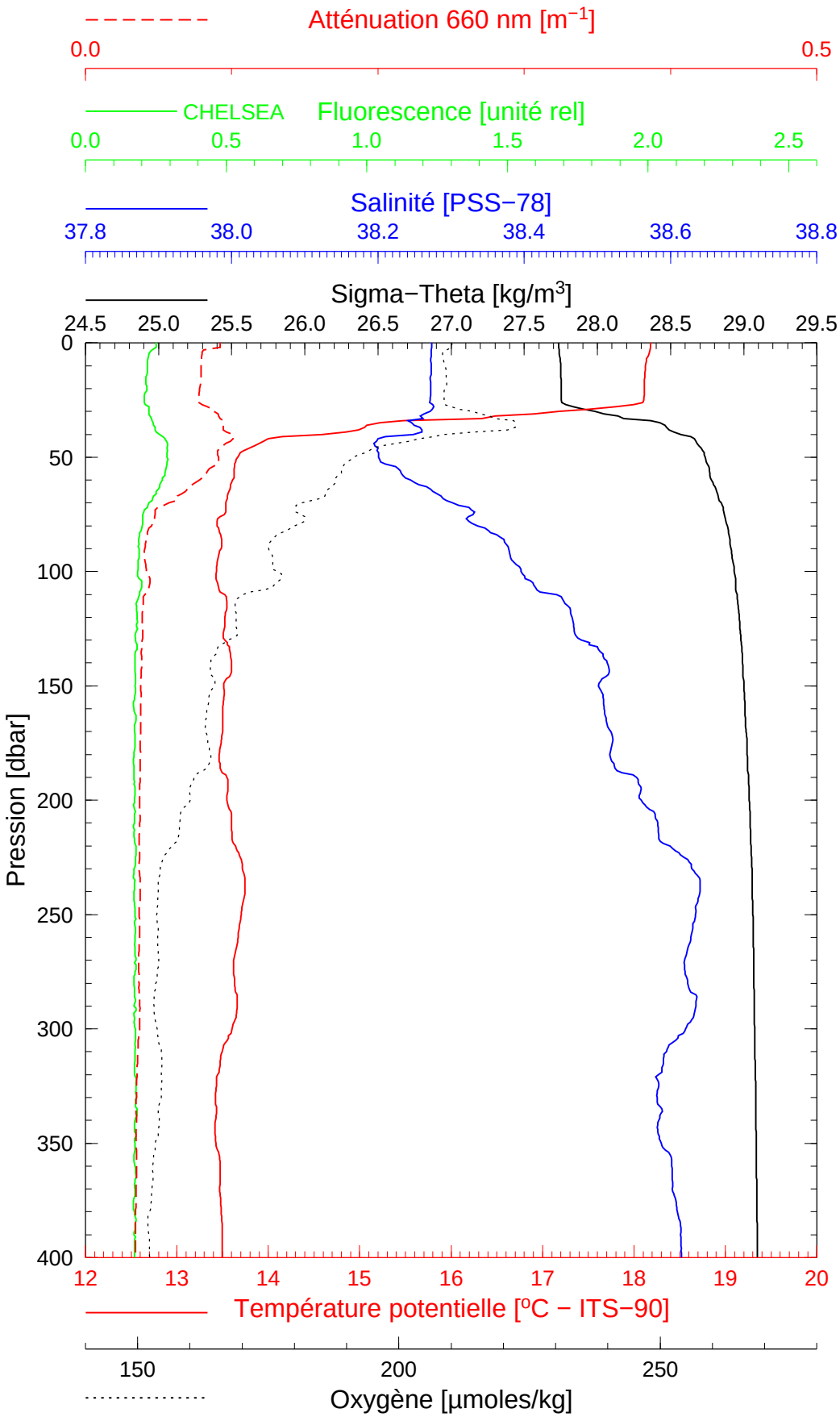


Date *11/11/2015* *Latitude* *43o21.990 N*

Heure déb *13h 15min [TU]* *Longitude* *07o53.950 E*

BOUSSOLE 165 **11/11/2015** **BOUS151111_02**

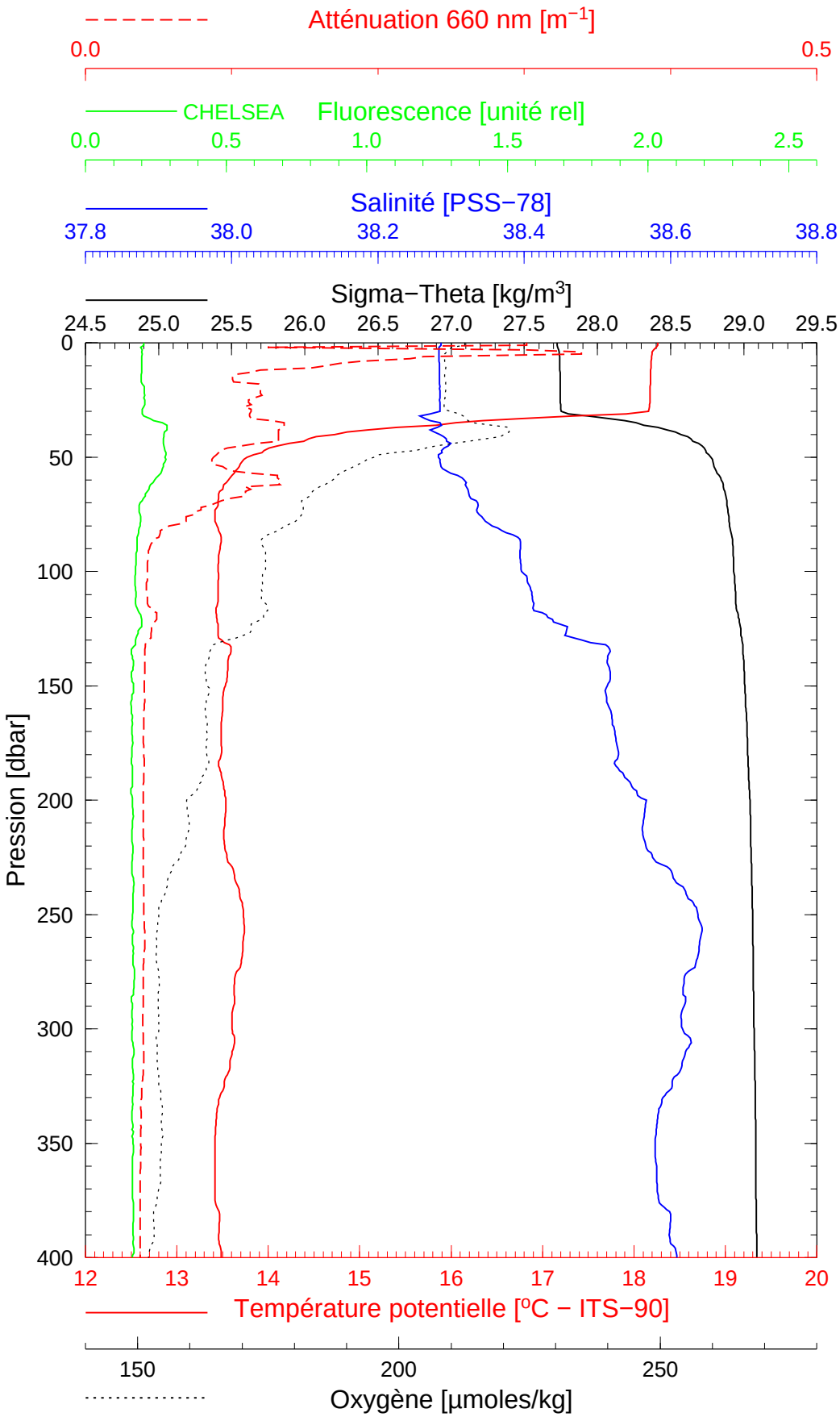
BOUS010



Date	*11/11/2015*	*Latitude*	*43o22.000 N*
Heure déb	*13h 46min [TU]*	*Longitude*	*07o53.850 E*

BOUSSOLE 165 **12/11/2015** **BOUS151112_01**

BOUS011

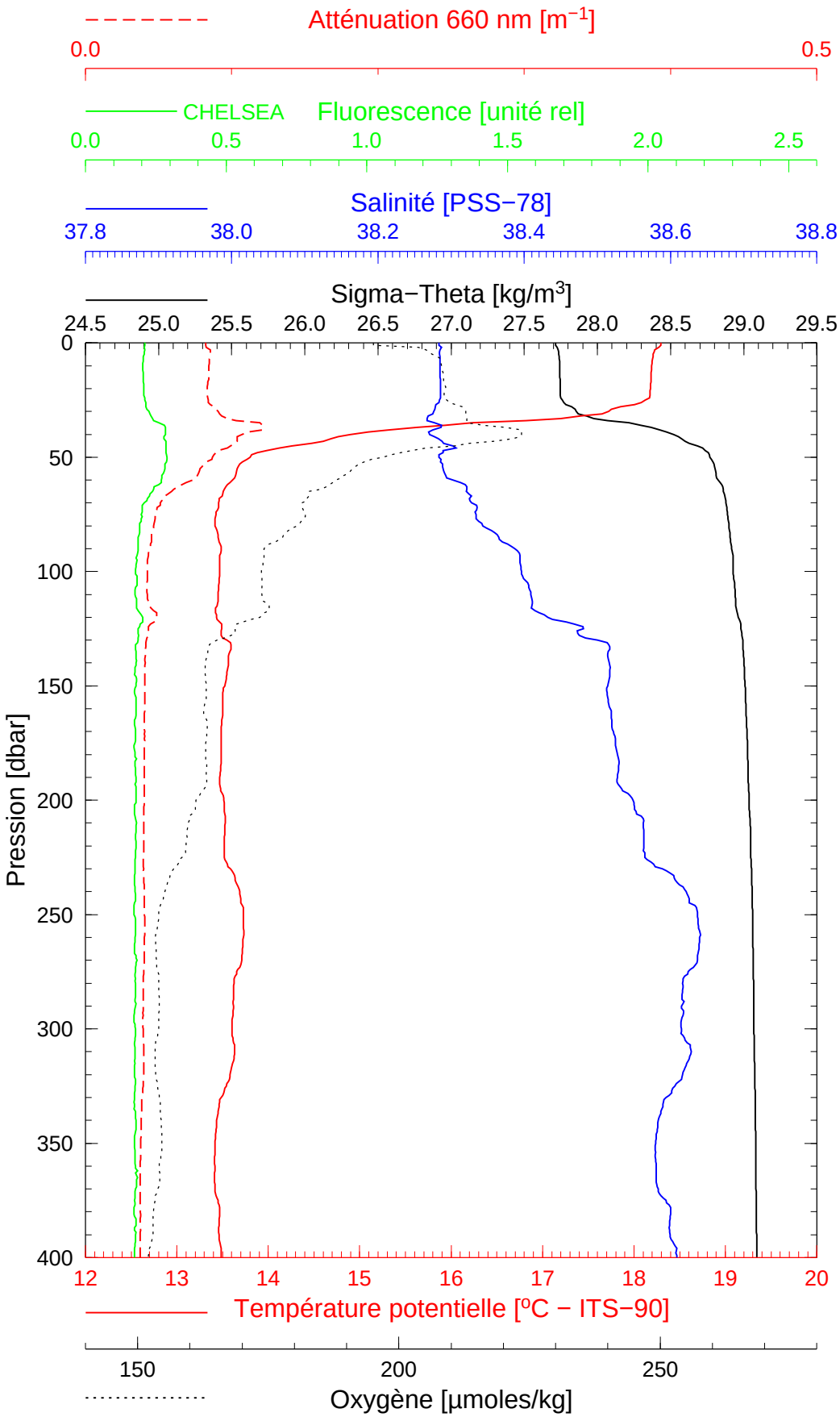


Date *12/11/2015* *Latitude* *43o21.950 N*

Heure déb *10h 49min [TU]* *Longitude* *07o53.960 E*

BOUSSOLE 165 **12/11/2015** **BOUS151112_02**

BOUS012

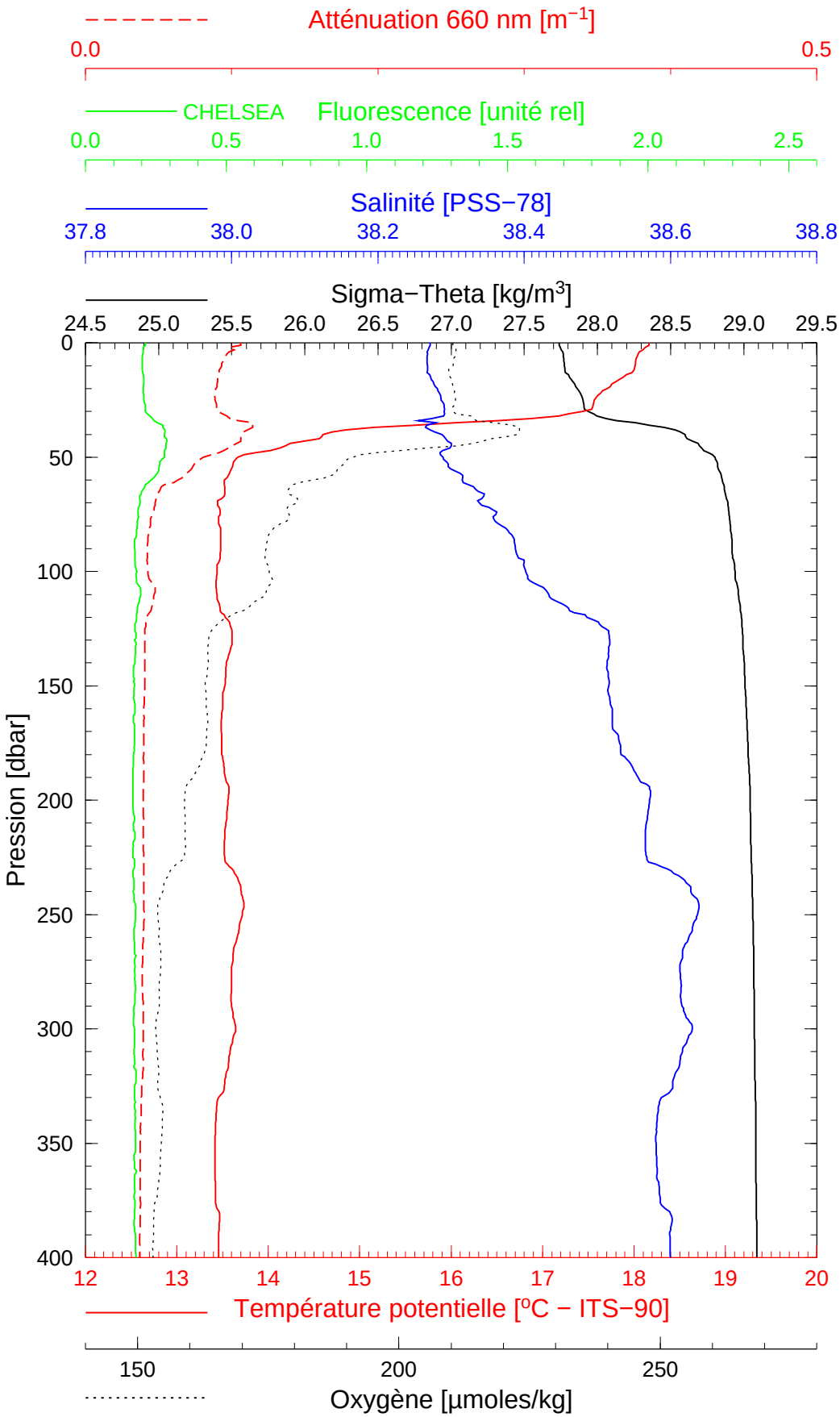


Date *12/11/2015* *Latitude* *43°21.950 N*

Heure déb *11h 30min [TU]* *Longitude* *07°53.950 E*

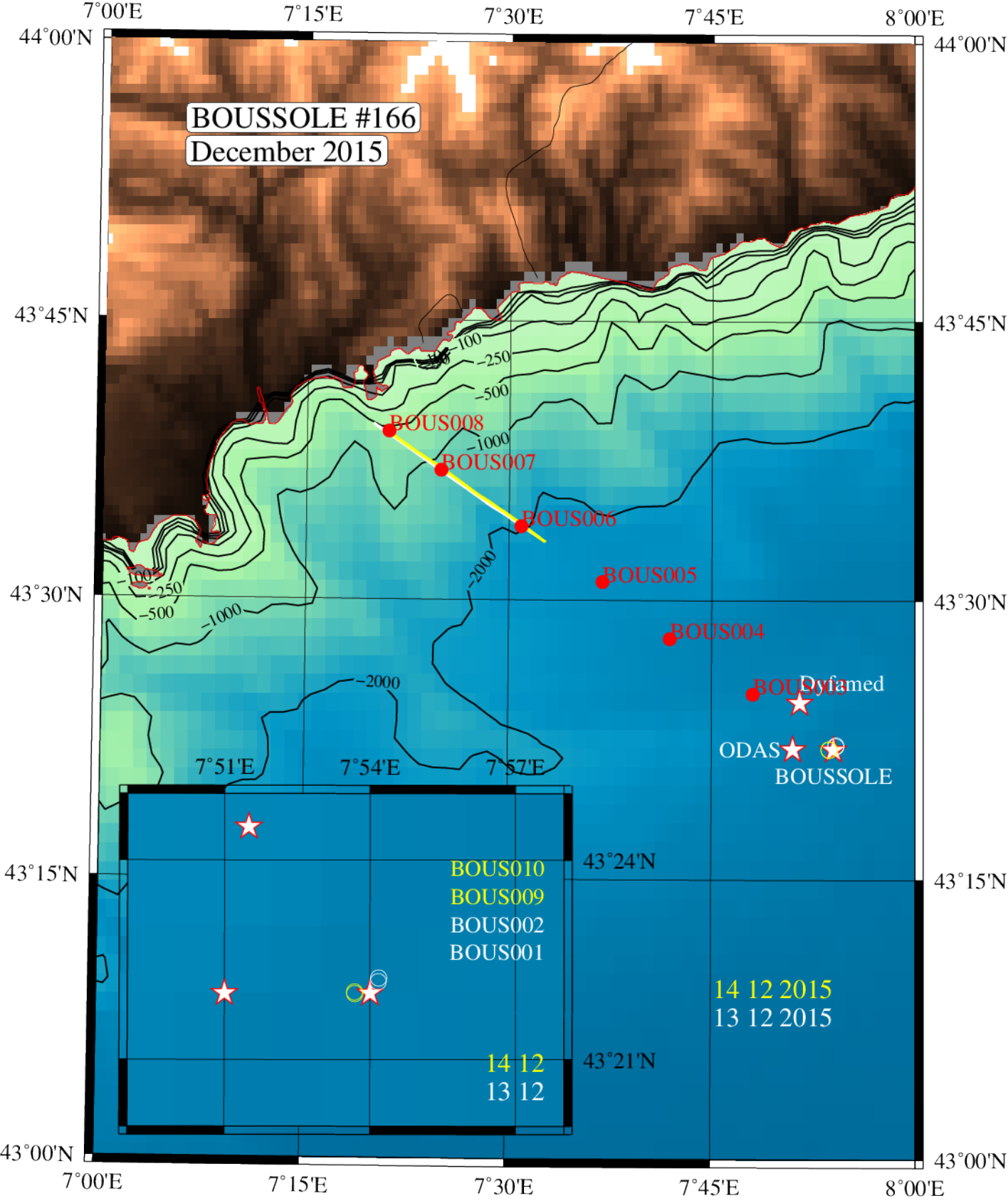
BOUSSOLE 165 **12/11/2015** **BOUS151112_03**

BOUS013



Date *12/11/2015* *Latitude* *43o21.960 N*

Heure déb *13h 14min [TU]* *Longitude* *07o53.980 E*



GMT 2017 Apr 25 08:39:08

Date: 08/03/2017

Instrument configuration file: C:\boussole\Data\CTD\2015\dec2015\ctd\raw\BOUS001.XMLCON

Configuration report for SBE 911plus/917plus CTD

```
Frequency channels suppressed : 2
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 : 2473
   Calibrated on : 16-Apr-15
   G             : 4.36735425e-003
   H             : 6.43361369e-004
   I             : 2.35086423e-005
   J             : 2.25622577e-006
   F0            : 1000.000
   Slope         : 1.00000000
   Offset        : 0.0000
```

2) Frequency 1, Conductivity

```
   Serial number : 1313
   Calibrated on : 16-Apr-15
   G             : -3.93984071e+000
   H             : 4.71474053e-001
   I             : -2.17881662e-004
   J             : 3.85707661e-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
   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        : -0.27039
   AD590M        : 1.280100e-002
   AD590B        : -9.240166e+000
```

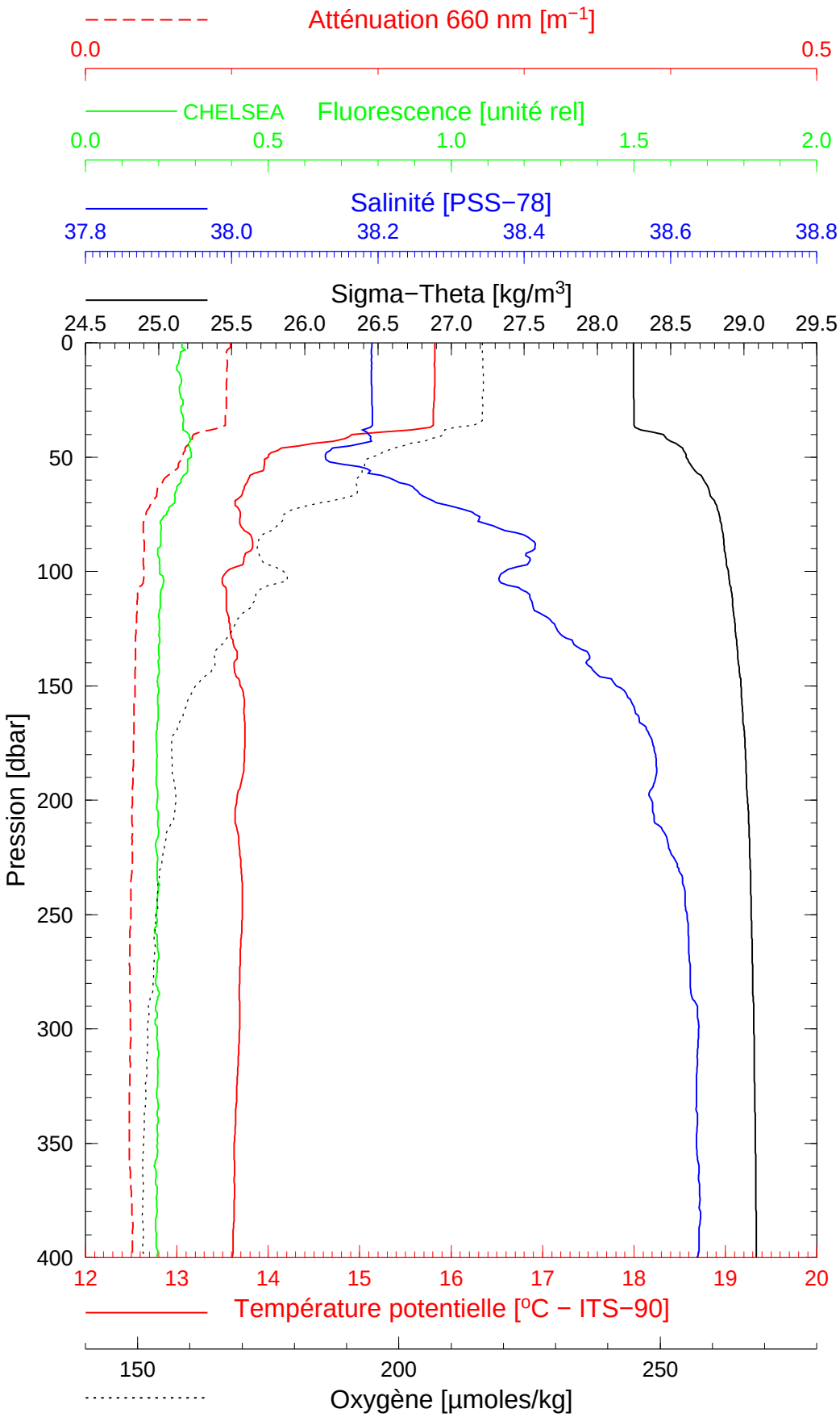
4) A/D voltage 0, Oxygen, SBE 43

```
   Serial number : 0587
   Calibrated on : 14-Mar-15
   Equation      : Sea-Bird
   Soc           : 3.87390e-001
   Offset        : -6.96400e-001
   A             : -3.78820e-003
   B             : 1.52710e-004
   C             : -2.38190e-006
   E             : 3.60000e-002
   Tau20         : 1.17000e+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, User Polynomial

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

7) A/D voltage 3, 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

8) A/D voltage 4, 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

9) A/D voltage 5, Transmissometer, WET Labs C-Star

   Serial number : 887DR
   Calibrated on : 11-sept-2015
   M             : 21.3083
   B             : -0.1065
   Path length   : 0.250

Scan length                  : 28
```

BOUSSOLE 166 **13/12/2015** **BOUS151213_01**

BOUS001

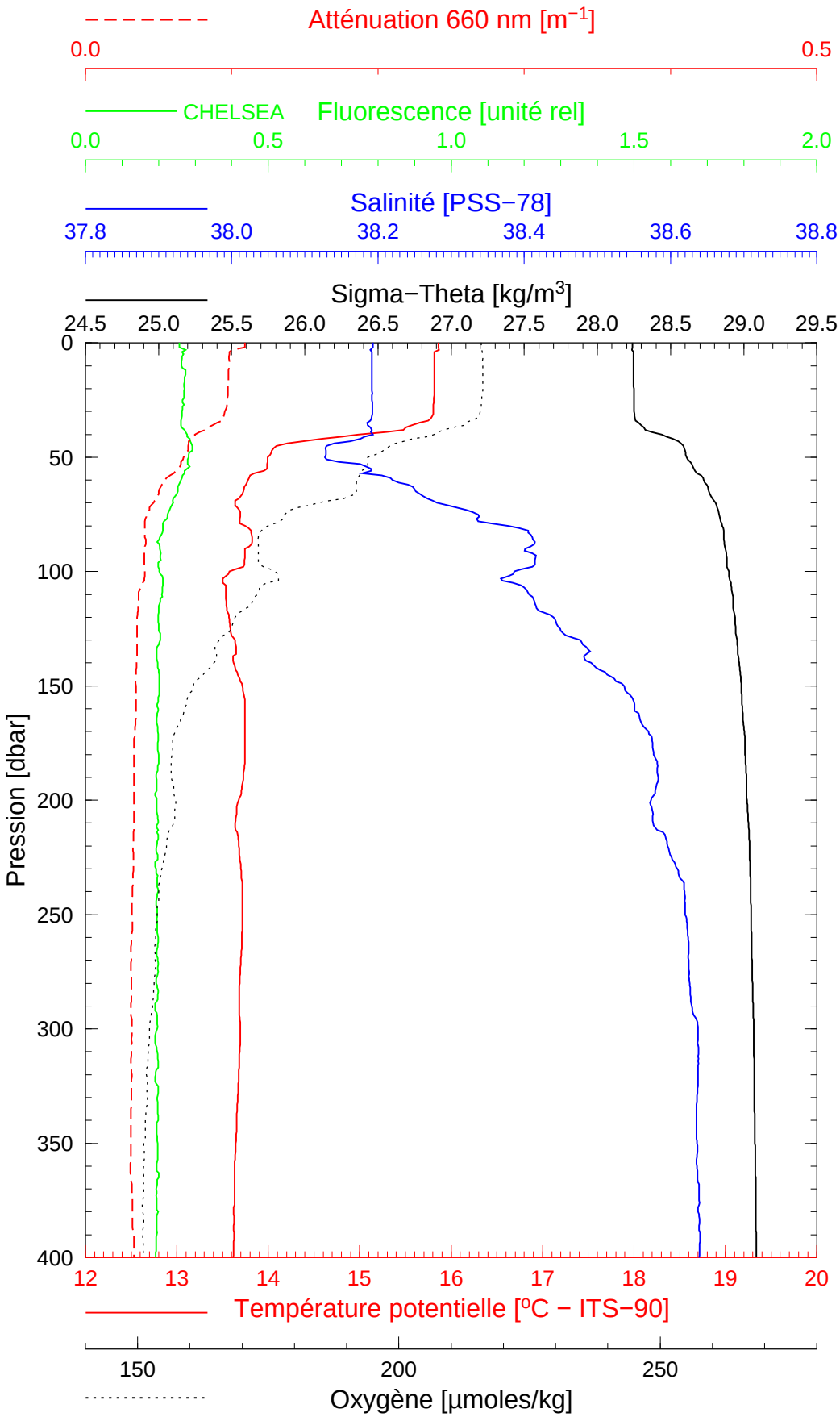


Date *13/12/2015* *Latitude* *43o22.222 N*

Heure déb *11h 48min [TU]* *Longitude* *07o54.179 E*

BOUSSOLE 166 **13/12/2015** **BOUS151213_02**

BOUS002

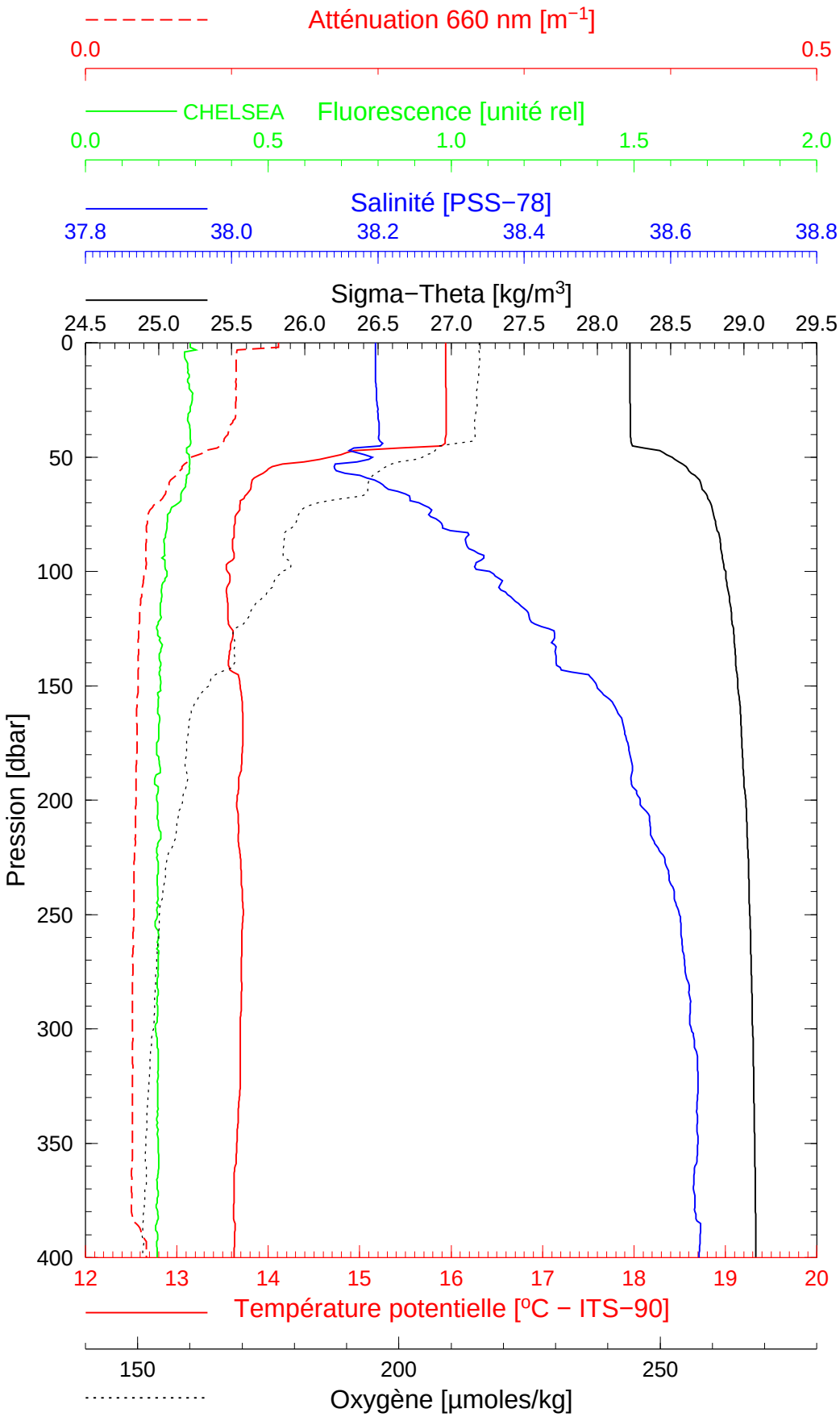


Date *13/12/2015* *Latitude* *43°22.169 N*

Heure déb *12h 23min [TU]* *Longitude* *07°54.172 E*

BOUSSOLE 166 **13/12/2015** **BOUS151213_03**

BOUS003

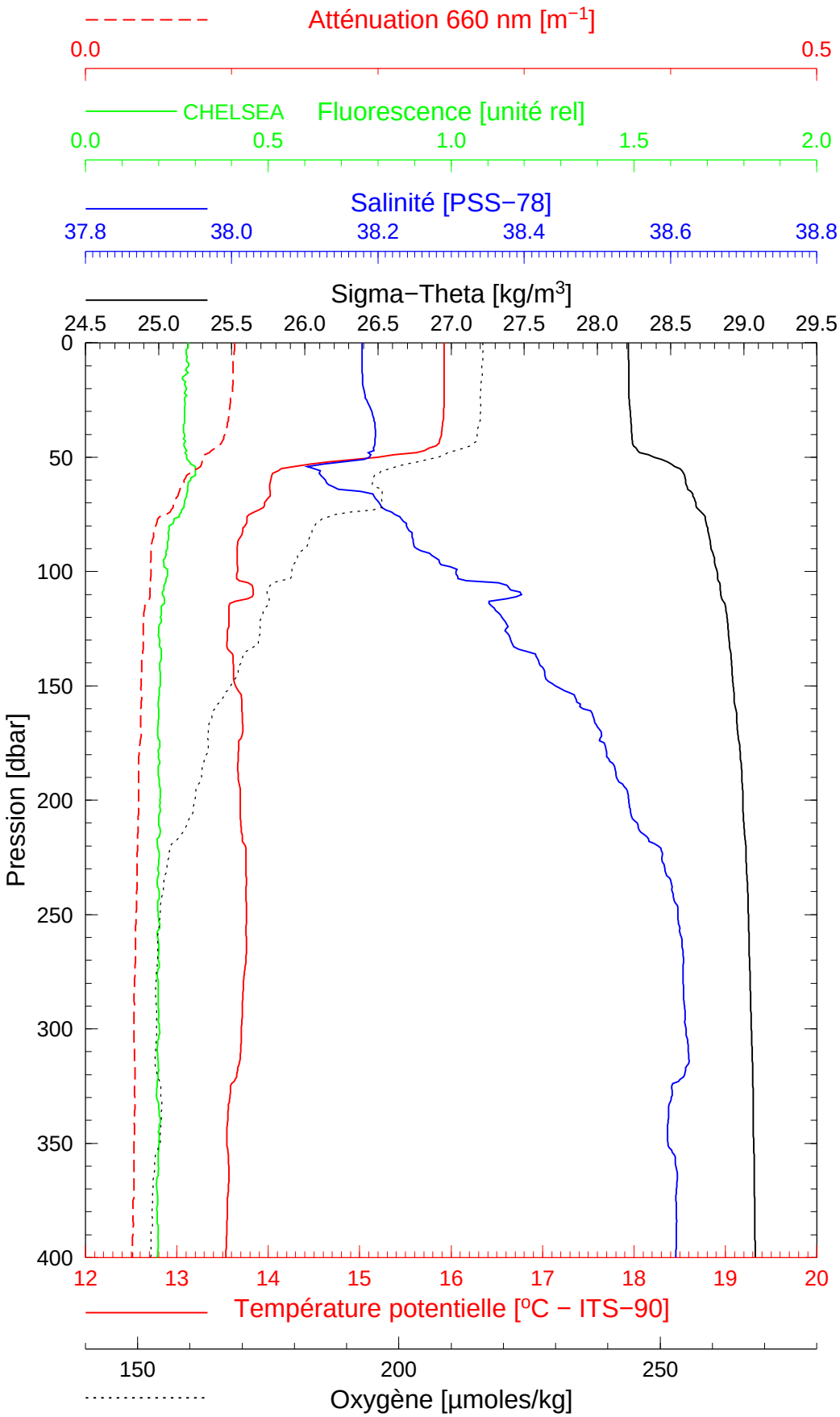


Date *13/12/2015* *Latitude* *43°24.968 N*

Heure déb *14h 26min [TU]* *Longitude* *07°48.055 E*

BOUSSOLE 166 **13/12/2015** **BOUS151213_04**

BOUS004

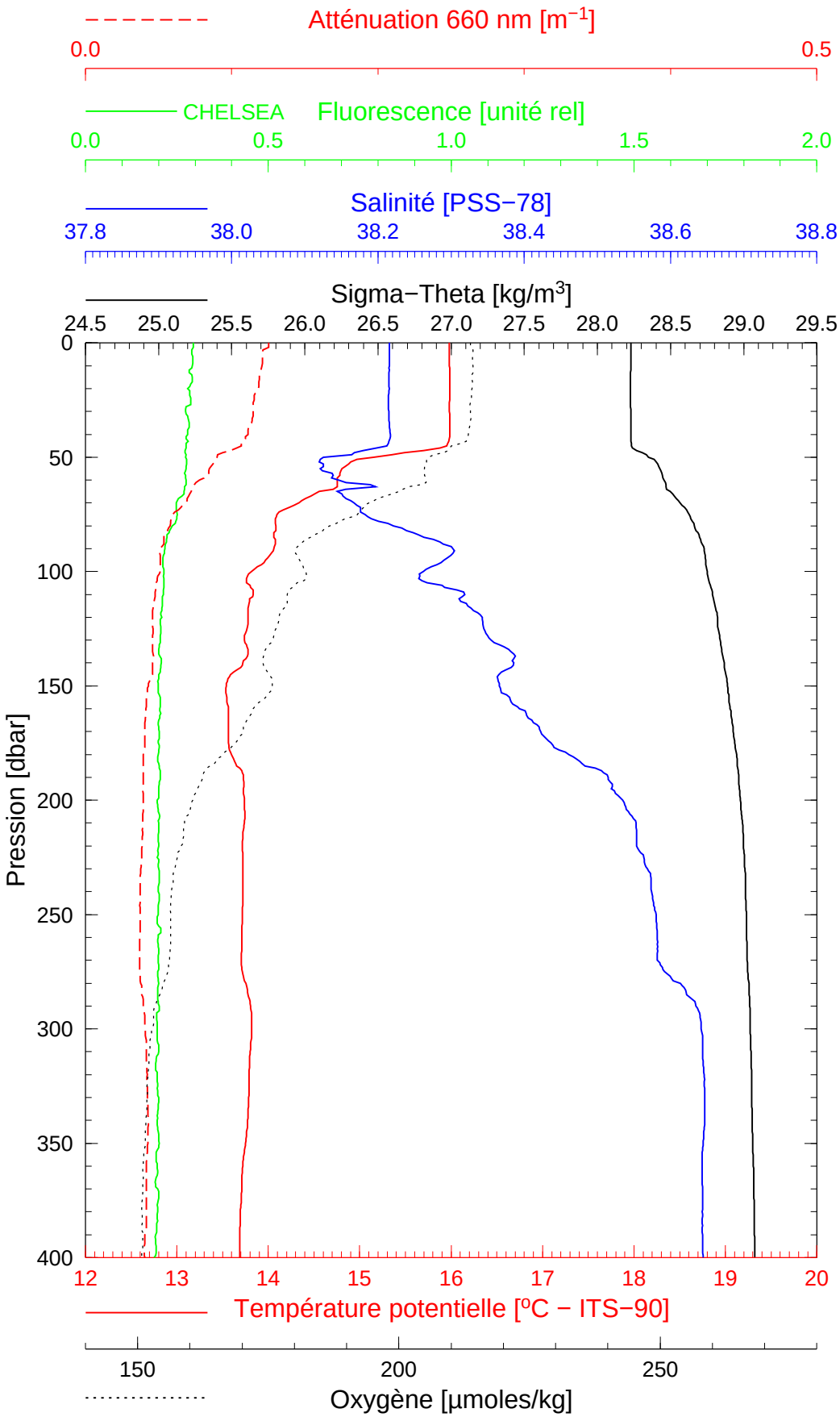


Date *13/12/2015* *Latitude* *43°27.934 N*

Heure déb *15h 25min [TU]* *Longitude* *07°41.912 E*

BOUSSOLE 166 **13/12/2015** **BOUS151213_05**

BOUS005

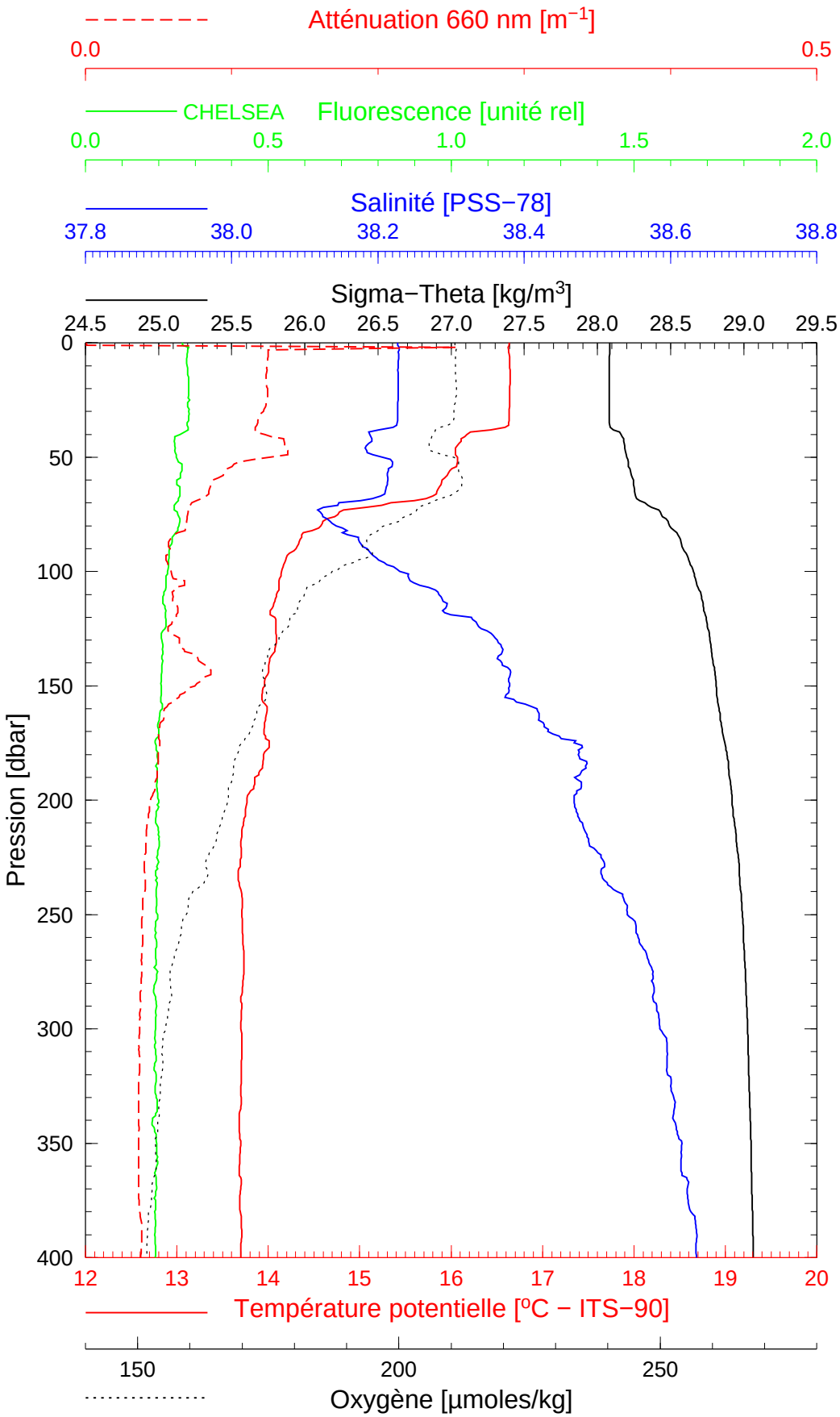


Date *13/12/2015* *Latitude* *43°30.984 N*

Heure déb *16h 17min [TU]* *Longitude* *07°36.935 E*

BOUSSOLE 166 **13/12/2015** **BOUS151213_06**

BOUS006

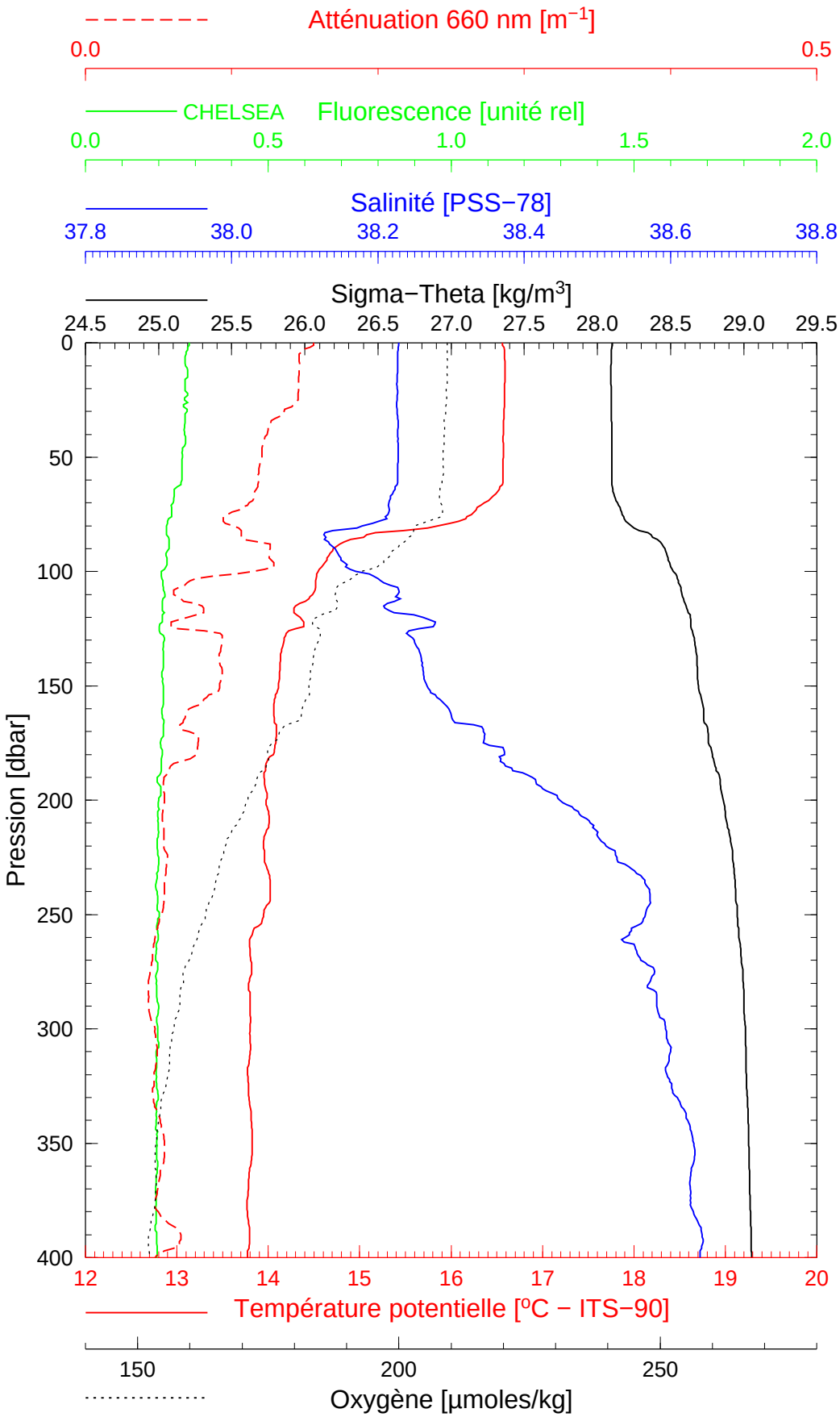


Date *13/12/2015* *Latitude* *43°33.956 N*

Heure déb *17h 10min [TU]* *Longitude* *07°30.892 E*

BOUSSOLE 166 **13/12/2015** **BOUS151213_07**

BOUS007

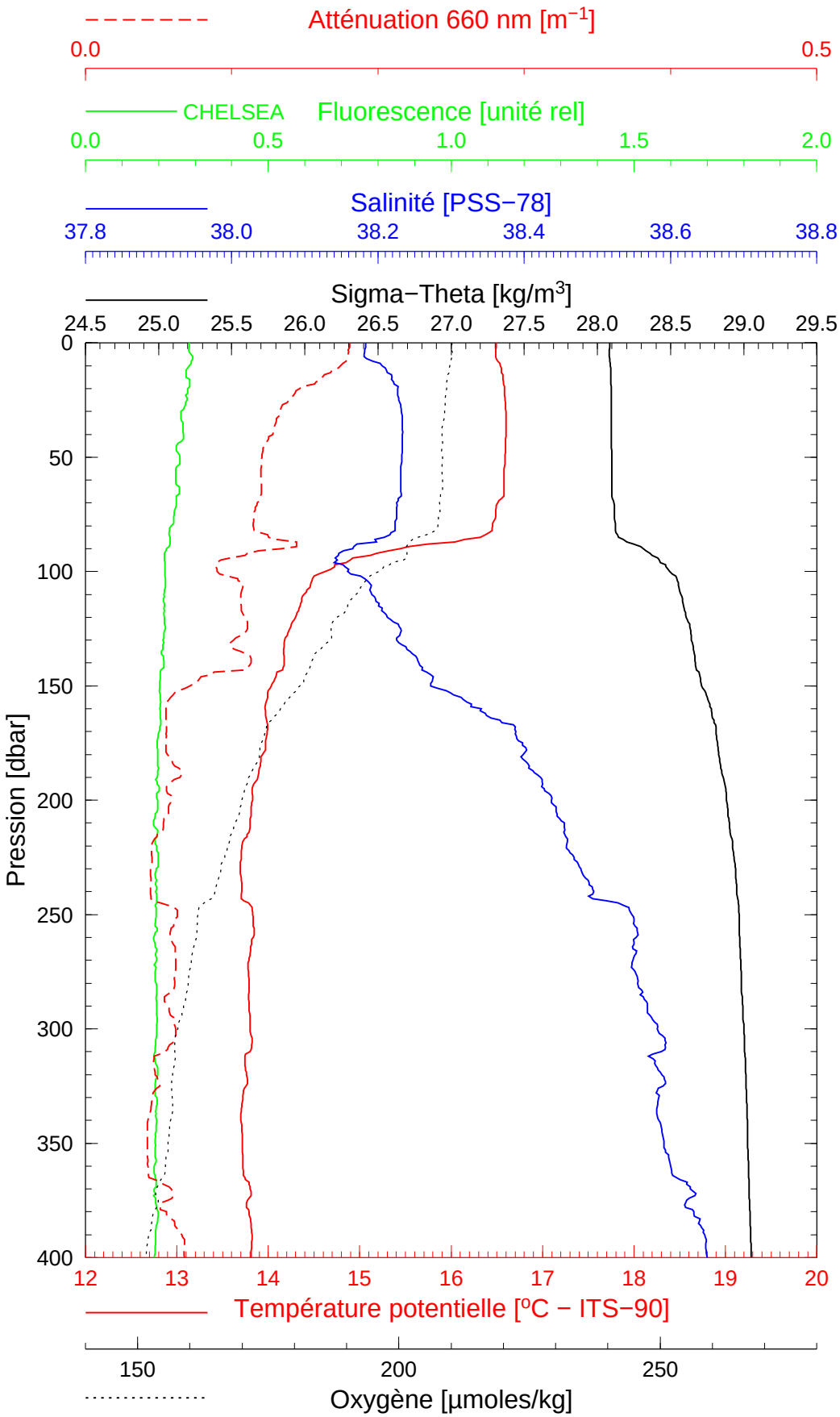


Date *13/12/2015* *Latitude* *43o36.947 N*

Heure déb *18h 07min [TU]* *Longitude* *07o24.936 E*

BOUSSOLE 166 **13/12/2015** **BOUS151213_08**

BOUS008

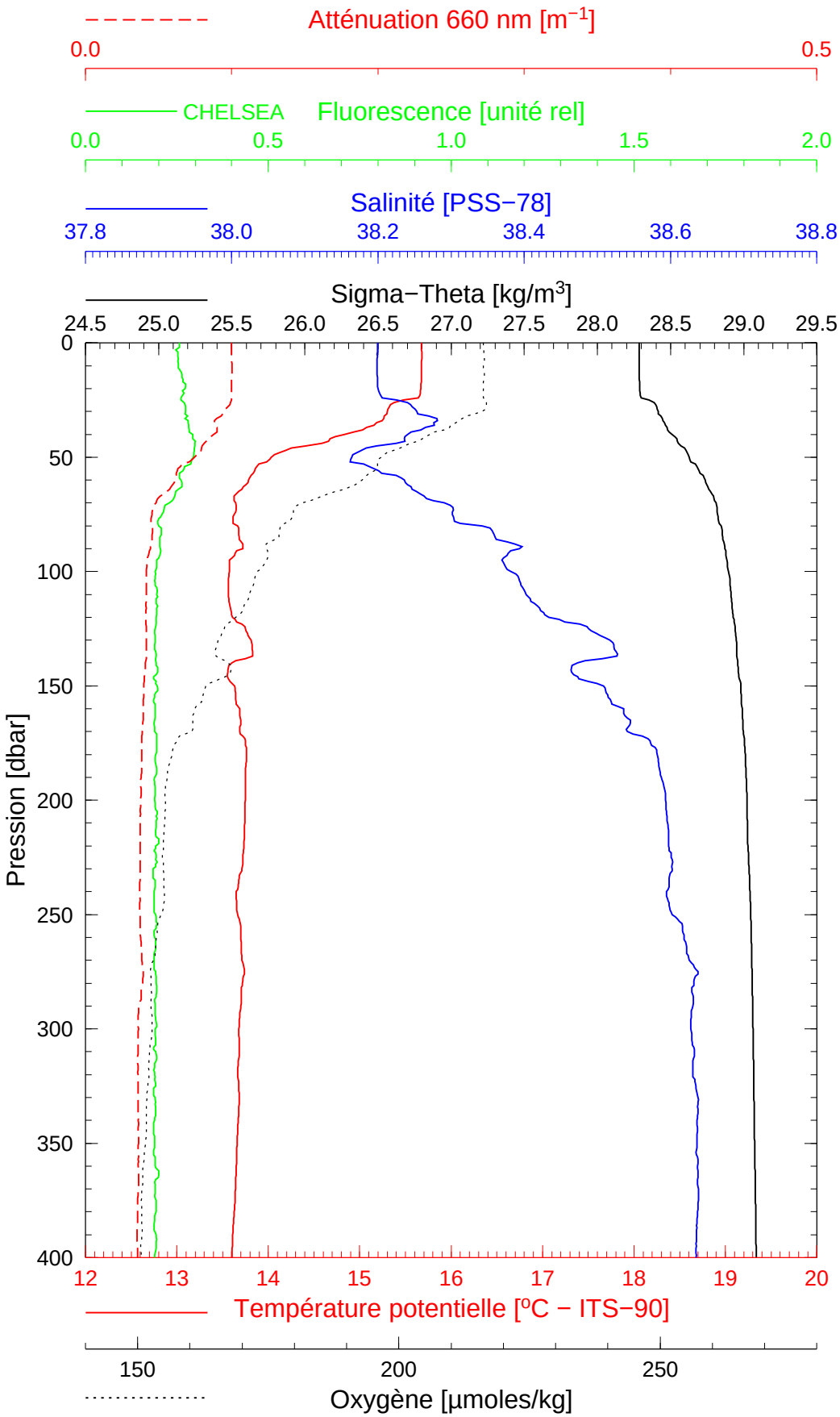


Date *13/12/2015* *Latitude* *43o39.028 N*

Heure déb *18h 55min [TU]* *Longitude* *07o21.072 E*

BOUSSOLE 166 **14/12/2015** **BOUS151214_01**

BOUS009

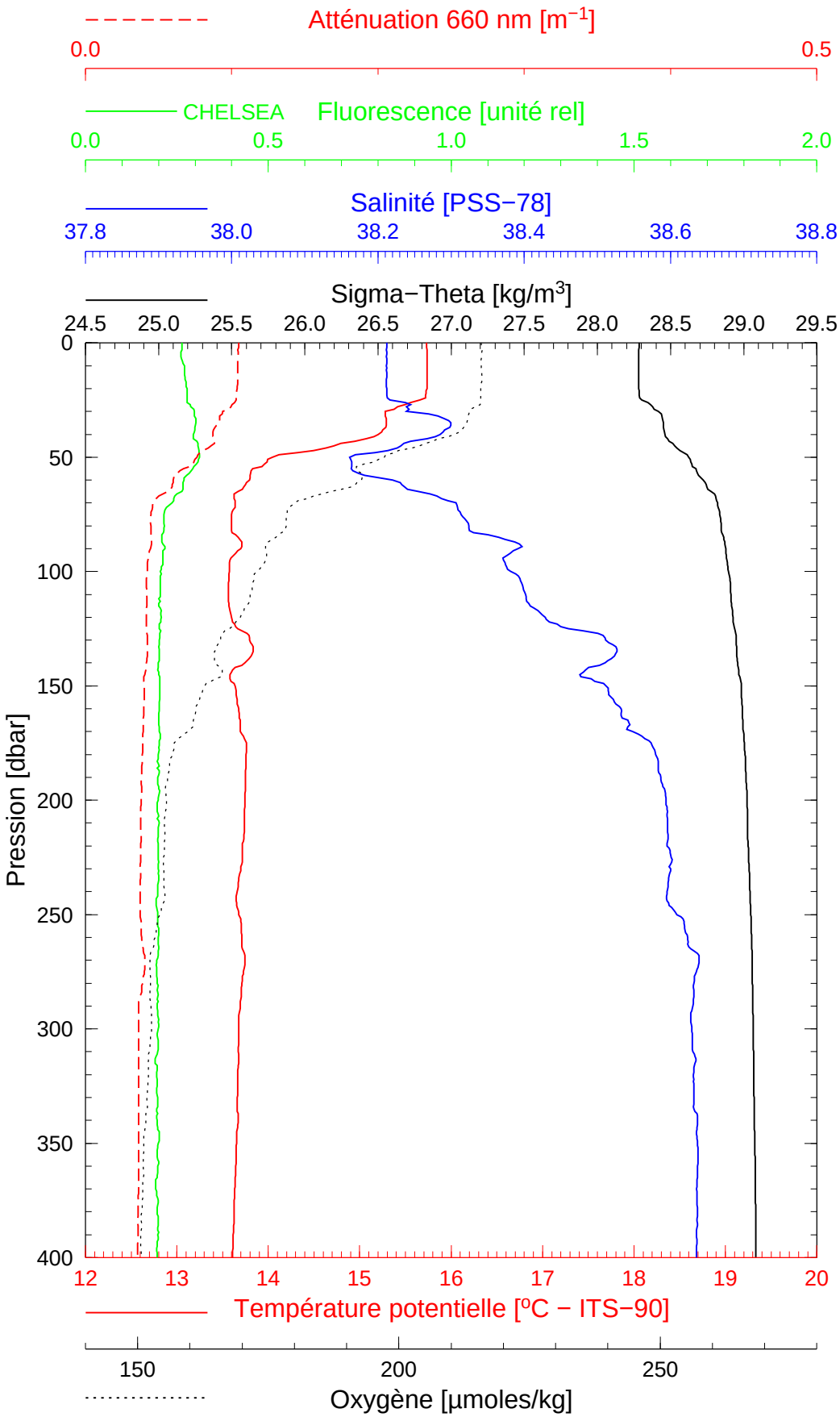


Date *14/12/2015* *Latitude* *43°22.012 N*

Heure déb *10h 39min [TU]* *Longitude* *07°53.680 E*

BOUSSOLE 166 **14/12/2015** **BOUS151214_02**

BOUS010



Date	*14/12/2015*	*Latitude*	*43°21.988 N*
Heure déb	*12h 20min [TU]*	*Longitude*	*07°53.686 E*

Problems identified during the cruises

BOUSSOLE #155

The CTD 02 cast was started at 10m depth because of the bad weather conditions (choppy sea).

The filtration station did not work correctly: the filtrations of HPLC samples from CTD 01 and CTD 02 took a long time (2 hours for some samples). This problem was solved with repointing the seal joint of the tube on the filtration station.

BOUSSOLE #156

CTD #02: Niskin bottle #7 did not close, so there was no sampling at 40m. CTD #09: there was no sampling at 60m because the sample in the Niskin bottle #6 was lost when the CTD Rosette was moved on the deck.

BOUSSOLE #157

CTD #02: Niskin bottle #2 did not close, so there was no sampling at 200m.

BOUSSOLE #158

Some of the Niskin bottles did not close during the CTD casts:
CTD 01: Niskin bottle #6 did not close, so there was no sampling at 50m.
CTD 03: Niskin bottle #2 did not close, so there was no sampling at 150m.
CTD 04: Niskin bottle #2 and #11 did not close, so there was no sampling at 150m.

The last day, the rosette and bottles were fully checked during the way up to BOUSSOLE, two faulty nylon strings on two bottles were replaced by new ones. After the CTD cast, it appeared that some of the bottles did still not close. This problem was probably due to damage on the carousel system. It will be replaced on the next cruise with another one.

BOUSSOLE#159

The Niskin bottle #11 did not close during the CTD 09 cast. That was due to a faulty nylon. It was readjusted and then the CTD was deployed another time in order to sample water at 10m.

BOUSSOLE#160

The Niskin bottles #2 did not close during the CTD 01 cast, so there was no sampling at 200m.

Navigation files not available.

BOUSSOLE#161

The Niskin bottles #2 and #6 did not close. The mechanical pieces of the carrousel that allow the closing of the bottles were broken. They were repaired the last day during the way up to BOUSSOLE.

The Thermosalinograph of the R/V *Téthys II* was not operational for this cruise. A problem appeared with the communication between the computer and the sensors of the R/V *Téthys II*, so they were no data acquisition.

Navigation files not available.

BOUSSOLE#162

No problems.

BOUSSOLE#163

The second day, the CTD transect was performed starting from Nice because the weather was expected to worsen on the afternoon.

BOUSSOLE #164

The last day, the deck-unit of the CTD was not working. In fact, the "fish/tape" switch was accidentally moved to the tape position. It was then repositioned to the "fish" position and the deck unit was functioning. Then, there was another problem with the communication with the deck unit. It was resolved by disconnecting and re-installing all the connections.

The last day, the elastic band of the Niskin bottle #9 was broken, so there was no sampling at 150m for the CTD 02.

BOUSSOLE #165

CTD 02: Niskin bottle #8 did not close, so there was no sampling at 30m. CTD 10: Niskin bottle #4 did not close, so there was no sampling at 80m. The mechanical pieces of the carrousel that allow the closing of the bottles were broken. They were repaired the last day during the way up to BOUSSOLE.

Navigation files not available.

BOUSSOLE #166

Navigation files not available.