

# **BOUSSOLE PROJECT**

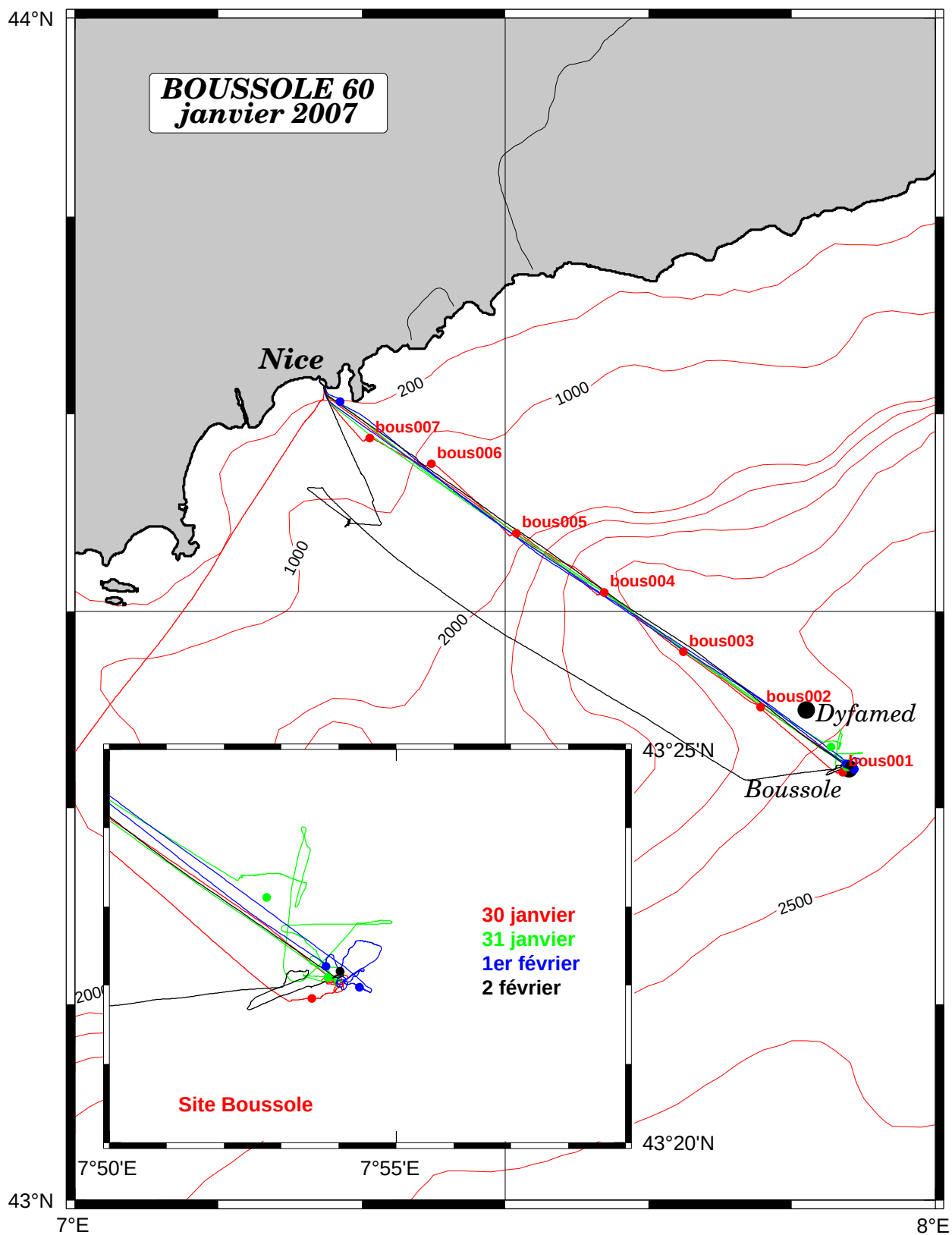
## CTD Data catalogue for 2007 Cruise 60 to cruise 70



The BOUSSOLE cruise typical instrumentation: the buoy BOUSSOLE, the optical profiler SPMR hanging under the floating structure and the CTD rosette.

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





ASCII file: C:\boussole\janv2007\ctd\raw\calib.com

Configuration report for SBE 911/917 plus CTD

-----

Frequency channels suppressed : 2  
Voltage words suppressed : 0  
Computer interface : RS-232C  
Scans to average : 1  
Surface PAR voltage added : Yes  
NMEA position data added : No  
Scan time added : No

1) Frequency 0, **Temperature**

Serial number : **1378**  
Calibrated on : 18-Jan-07  
G : 4.87141758e-003  
H : 6.79499329e-004  
I : 2.72653519e-005  
J : 2.19087641e-006  
F0 : 1000.000  
Slope : 1.00000000  
Offset : 0.0000

2) Frequency 1, **Conductivity**

Serial number : **2929**  
Calibrated on : 06-Jan-07  
G : -1.05972506e+001  
H : 1.41871895e+000  
I : 9.89047811e-004  
J : -5.59048433e-006  
CTcor : 3.2500e-006  
CPcor : -9.57000000e-008  
Slope : 1.00000000  
Offset : 0.0000

3) Frequency 2, **Pressure, Digiquartz with TC**

Serial number : **53981**  
Calibrated on : 11-Jan-95  
C1 : -4.499337e+004  
C2 : 4.543683e-001  
C3 : 1.505020e-002  
D1 : 3.936600e-002  
D2 : 0.000000e+000  
T1 : 3.004660e+001  
T2 : -1.897714e-004  
T3 : 4.727060e-006  
T4 : 1.923520e-009  
T5 : 0.000000e+000  
Slope : 0.99985000  
Offset : 0.11430  
AD590M : 1.138000e-002  
AD590B : -8.189160e+000

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

Serial number : **0587**  
Calibrated on : 10-Jan-04  
Soc : 3.5840e-001  
Boc : 0.0000  
Offset : -0.4782  
Tcor : 0.0012  
Pcor : 1.35e-004  
Tau : 0.0

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, **Fluorometer, Wetlab CDOM**

Serial number : **1095P**  
Calibrated on : 31-Jul-06  
Vblank : 0.058  
Scale factor : 62.000

9) A/D voltage 5, **Transmissometer, Wetlab CStar**

Serial number : **887DR**  
Calibrated on : 13-Feb-06  
M : 21.4500  
B : -1.2870  
Path length : 0.250

10) A/D voltage 6, Free

11) A/D voltage 7, Free

12) SPAR voltage, Unavailable

13) SPAR voltage, **SPAR/Surface Irradiance**

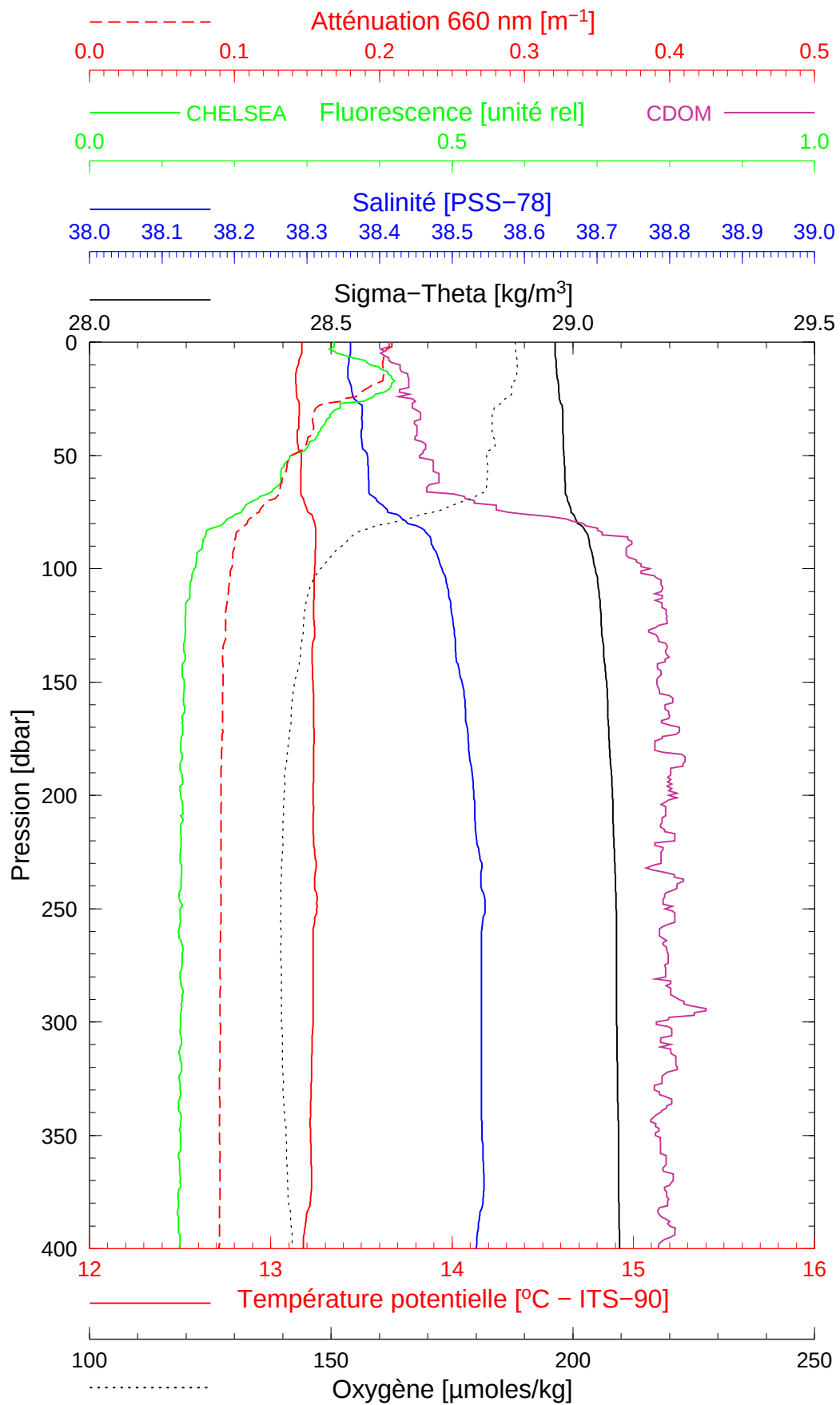
Serial number : **6326**  
Calibrated on : 24-fev-95  
Conversion factor : 753.25000000  
Ratio multiplier : 1.00000000

Boussole 60

30/01/2007

BOUS070130\_01

BOUS001



Date 30/01/2007  
Heure déb 14h 39min [TU]

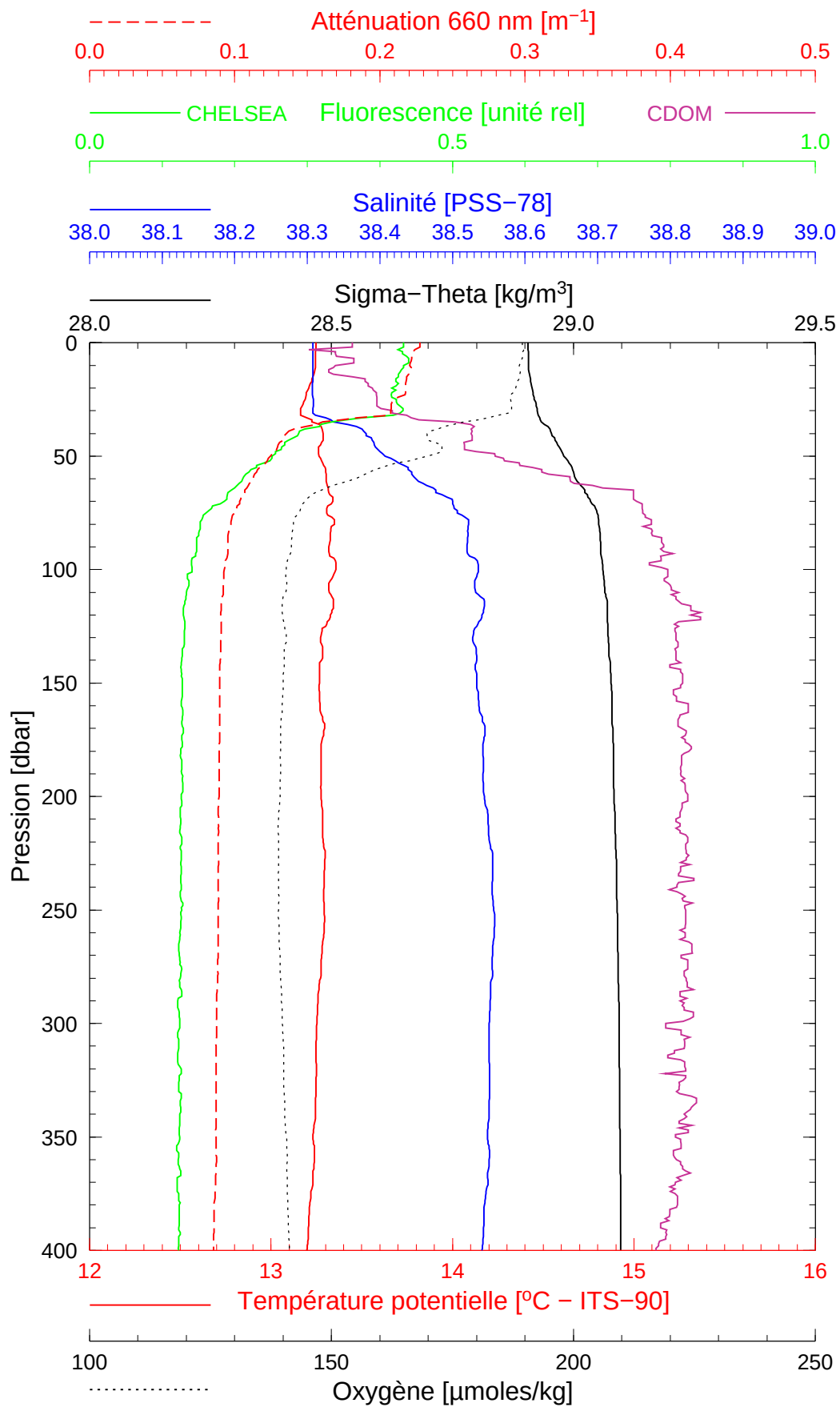
Latitude  $43^{\circ}21.838\text{ N}$   
Longitude  $07^{\circ}53.533\text{ E}$

Boussole 60

30/01/2007

BOUS070130\_02

BOUS002



Date 30/01/2007  
Heure déb 15h 48min [TU]

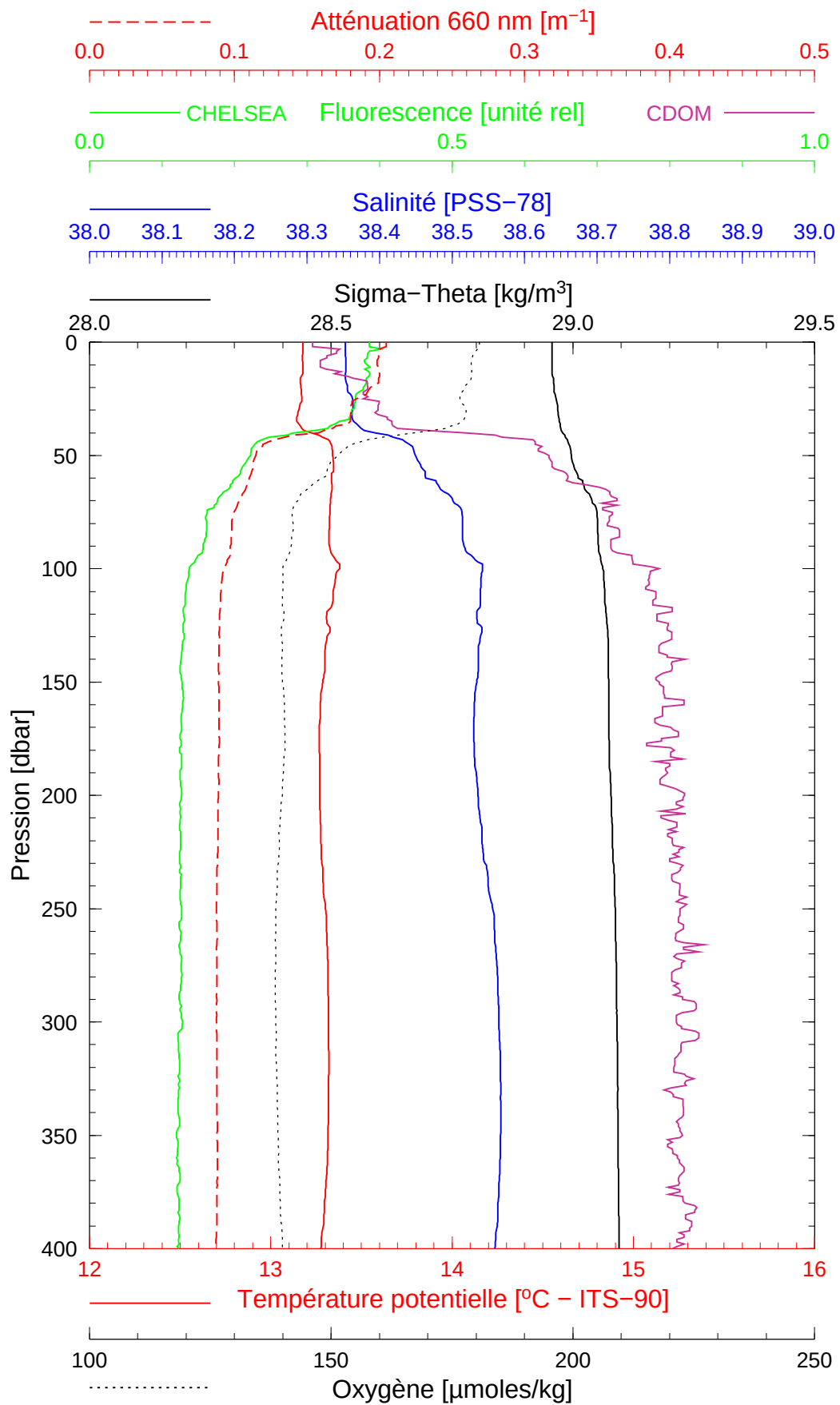
Latitude 43°25.138 N  
Longitude 07°47.825 E

Boussole 60

30/01/2007

BOUS070130\_03

BOUS003



Date 30/01/2007  
Heure déb 16h 50min [TU]

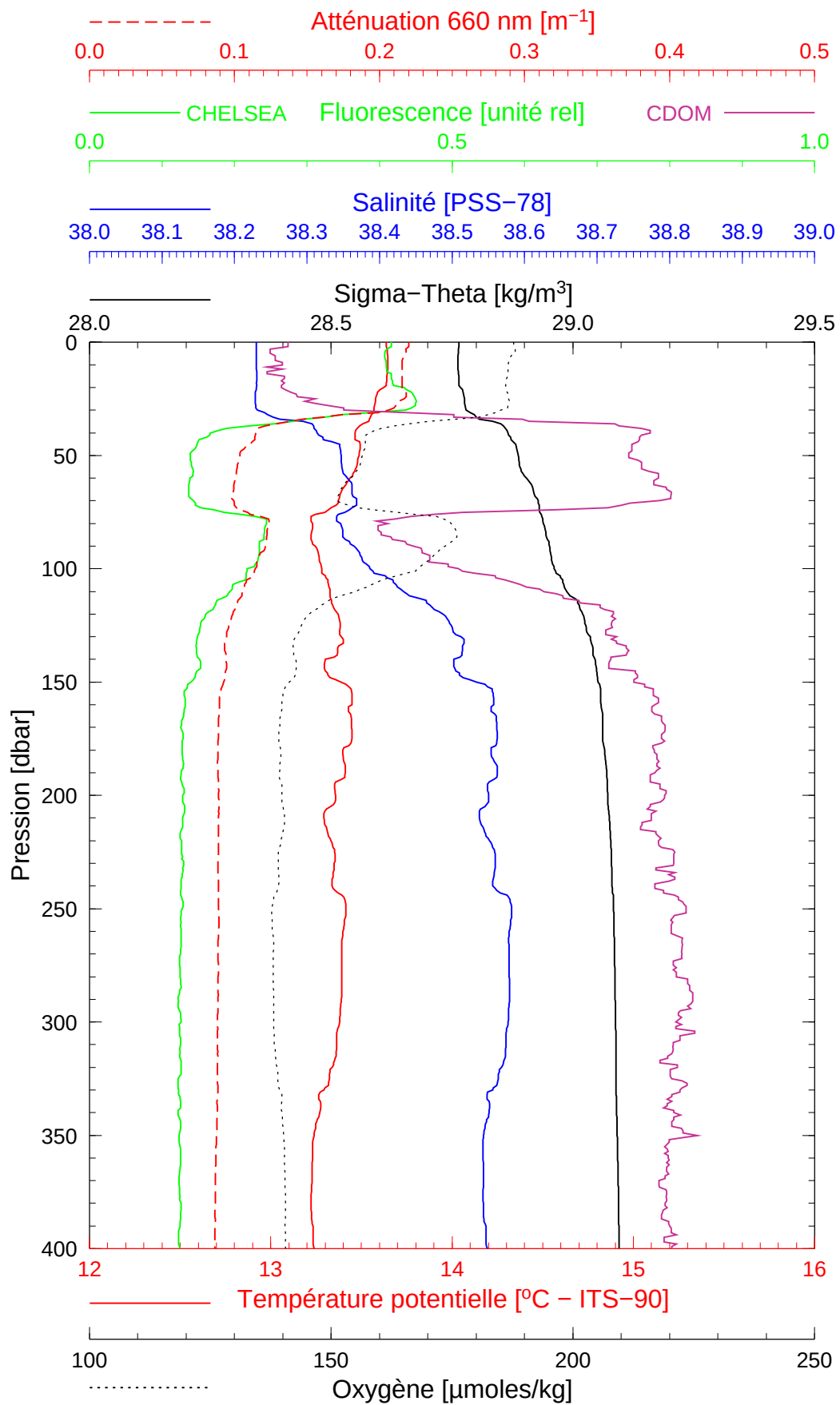
Latitude  $43^{\circ}27.953$  N  
Longitude  $07^{\circ}42.421$  E

Boussole 60

30/01/2007

BOUS070130\_04

BOUS004



Date 30/01/2007  
Heure déb 17h 52min [TU]

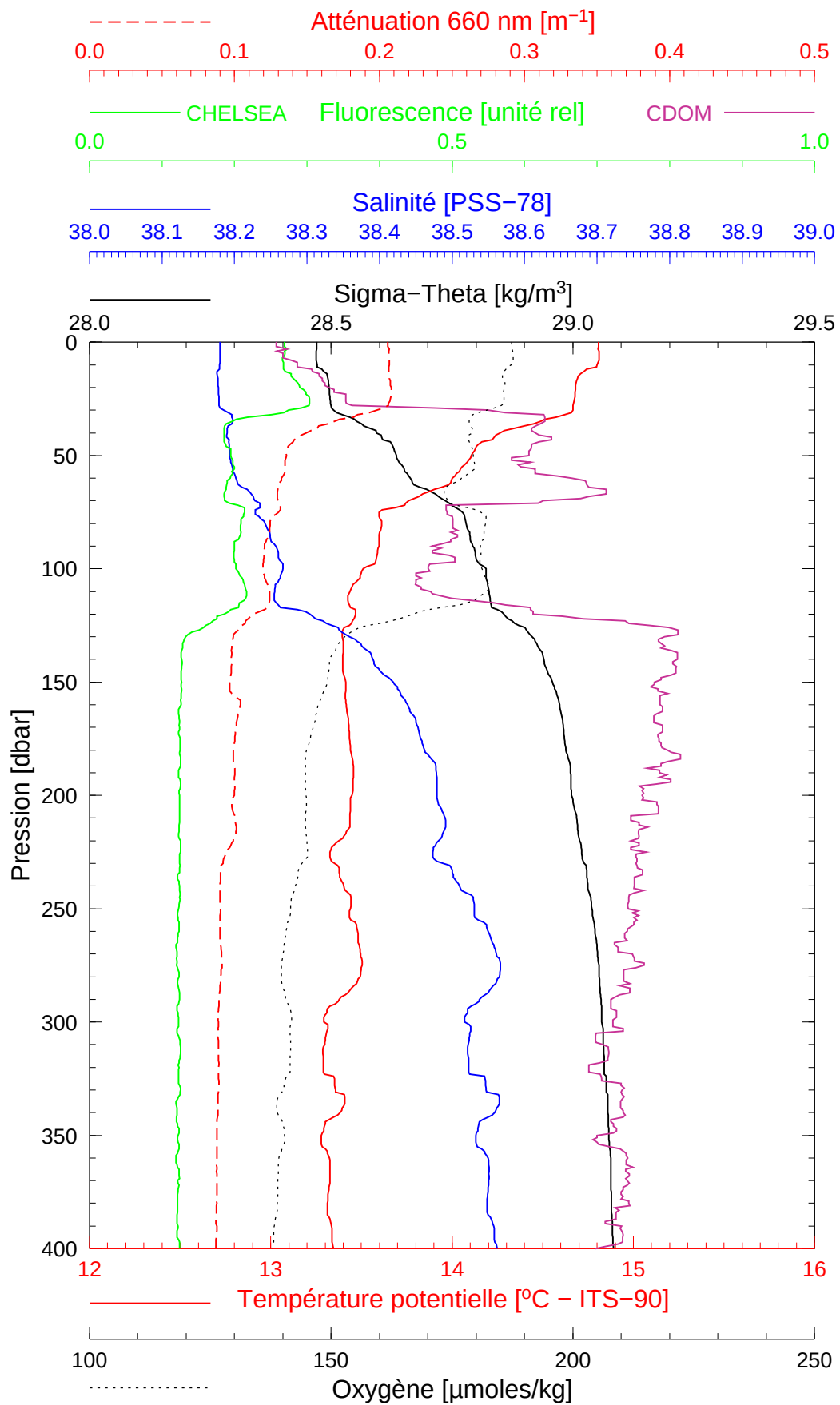
Latitude 43°30.958 N  
Longitude 07°36.918 E

Boussole 60

30/01/2007

BOUS070130\_05

BOUS005



Date 30/01/2007  
Heure déb 18h 59min [TU]

Latitude  $43^{\circ}33.963\text{ N}$   
Longitude  $07^{\circ}30.785\text{ E}$

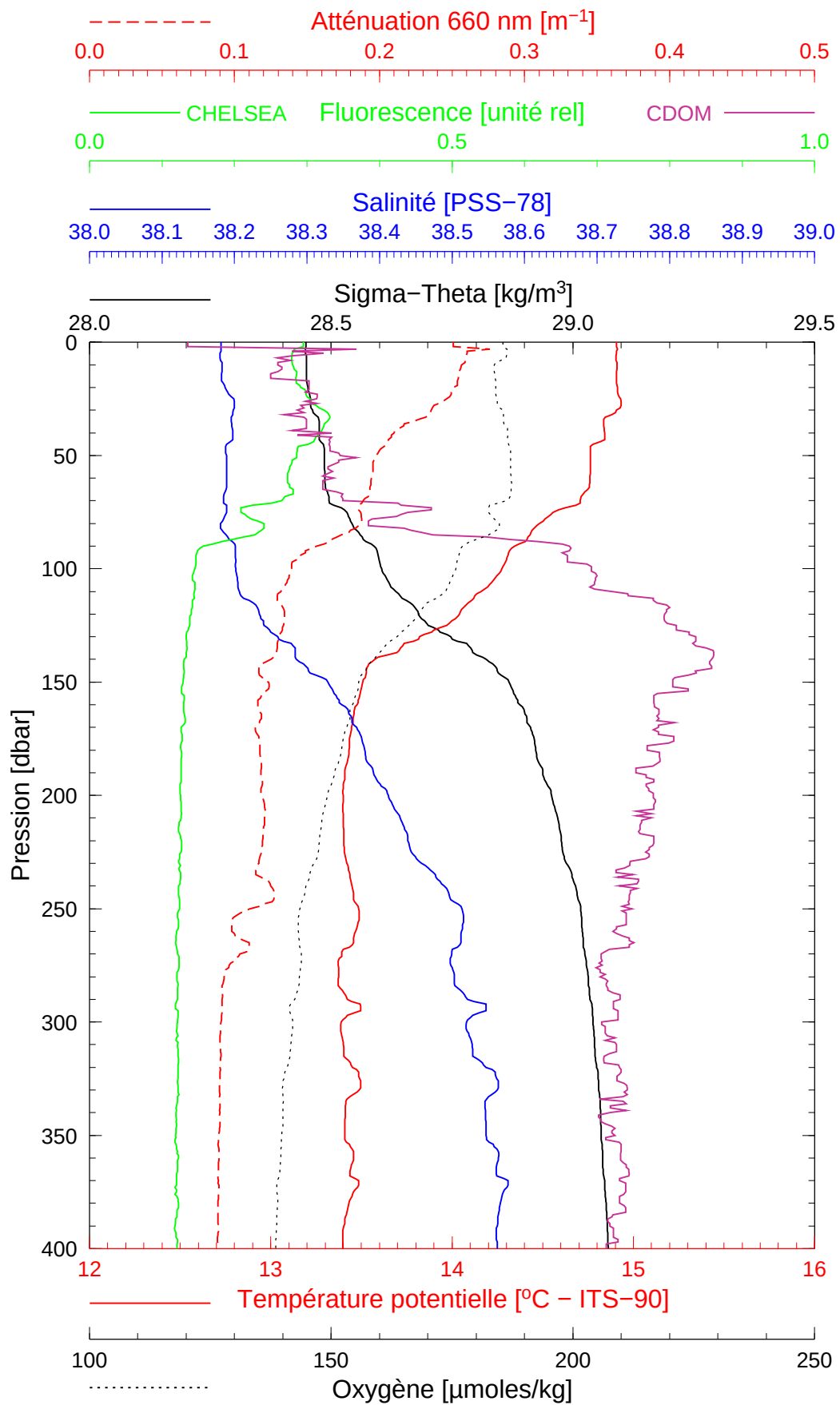


Boussole 60

30/01/2007

BOUS070130\_06

BOUS006



Date 30/01/2007  
Heure déb 20h 02min [TU]

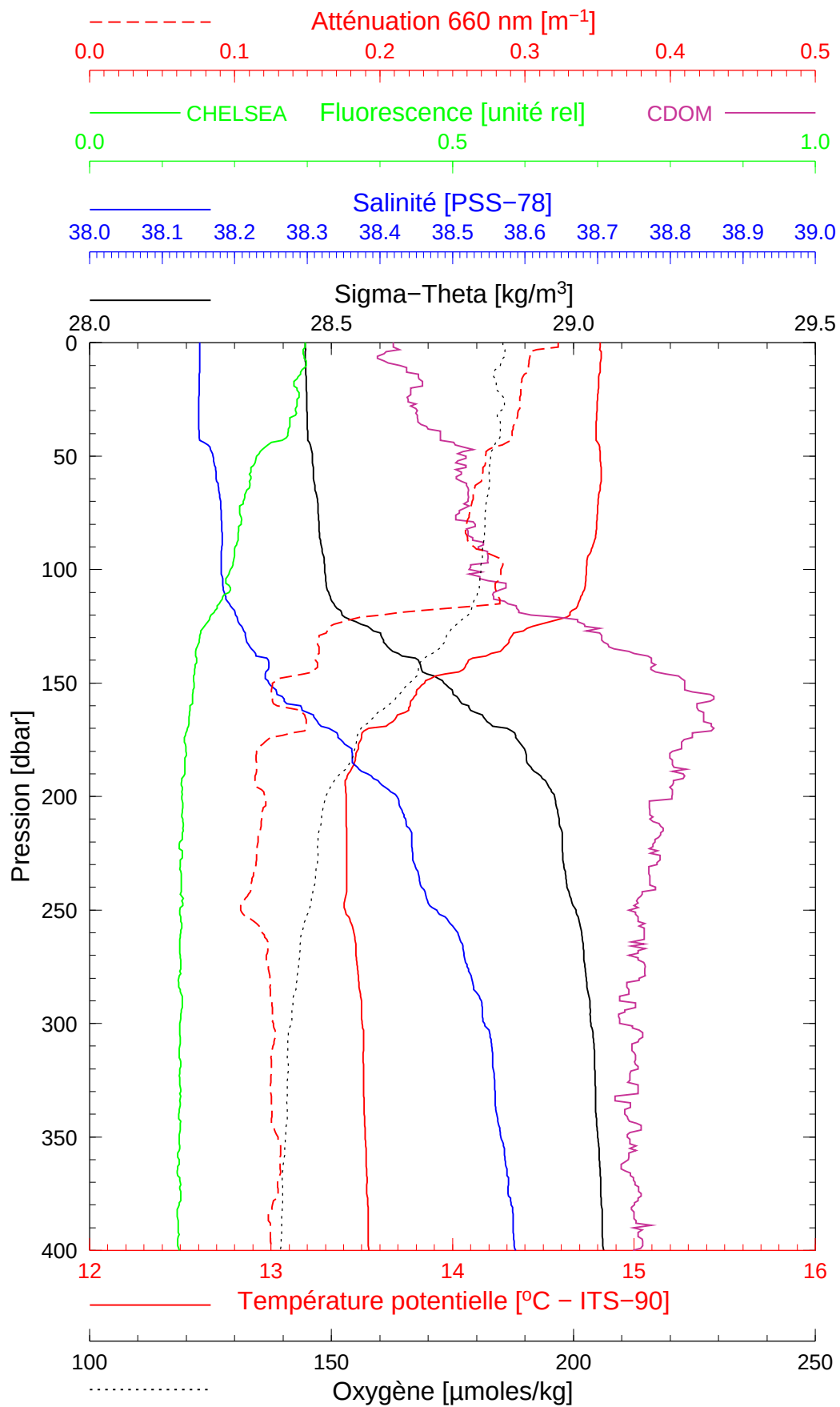
Latitude  $43^{\circ}37.486\text{ N}$   
Longitude  $07^{\circ}24.860\text{ E}$

Boussole 60

30/01/2007

BOUS070130\_07

BOUS007



Date 30/01/2007  
Heure déb 20h 52min [TU]

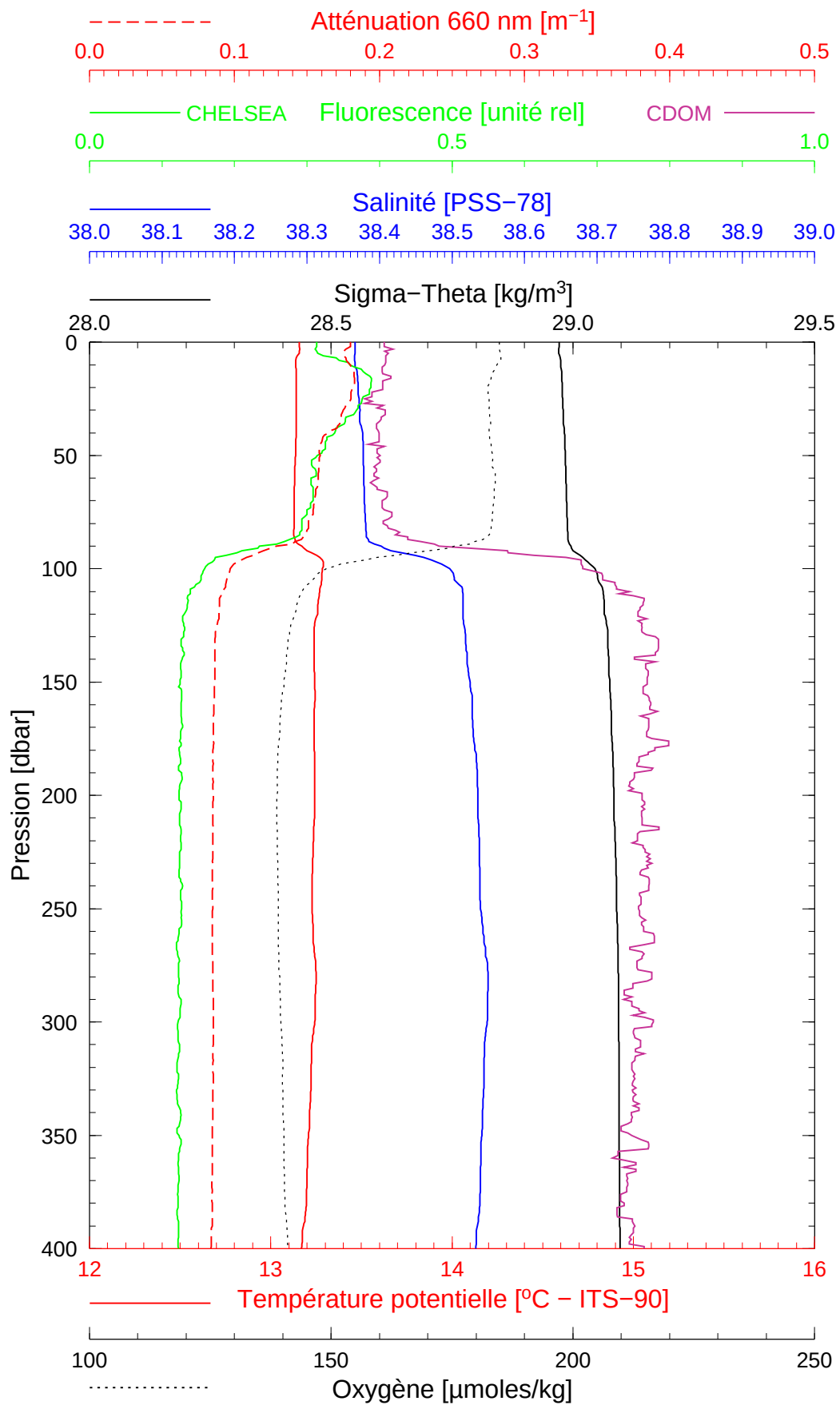
Latitude 43°38.794 N  
Longitude 07°20.558 E

Boussole 60

31/01/2007

BOUS070131\_01

BOUS008



Date 31/01/2007  
Heure déb 10h 39min [TU]

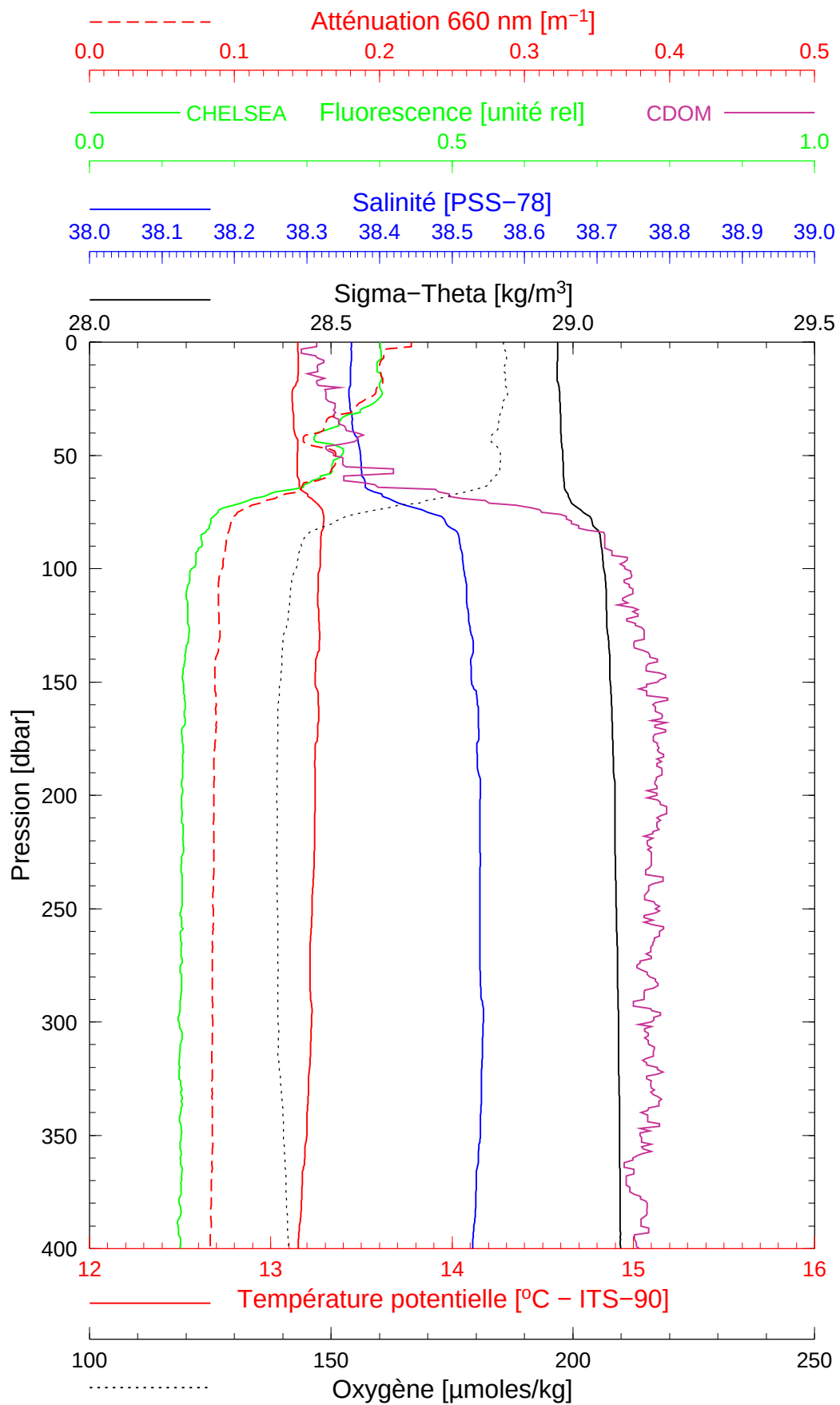
Latitude  $43^{\circ}22.102$  N  
Longitude  $07^{\circ}53.811$  E

Boussole 60

31/01/2007

BOUS070131\_02

BOUS009



Date 31/01/2007  
Heure déb 16h 09min [TU]

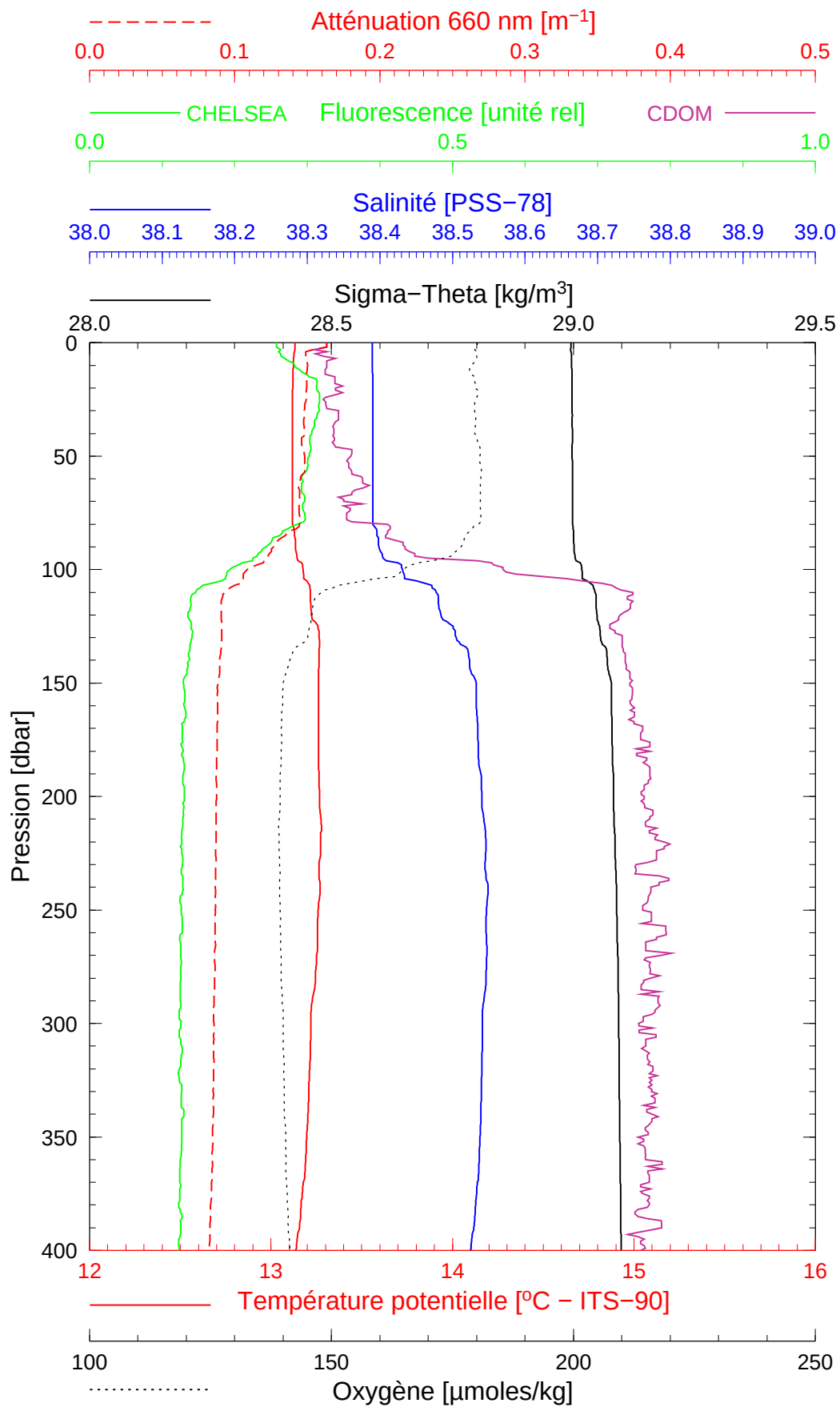
Latitude  $43^{\circ}23.121\text{ N}$   
Longitude  $07^{\circ}52.740\text{ E}$

Boussole 60

01/02/2007

BOUS070201\_01

BOUS010



Date 01/02/2007  
Heure déb 09h 02min [TU]

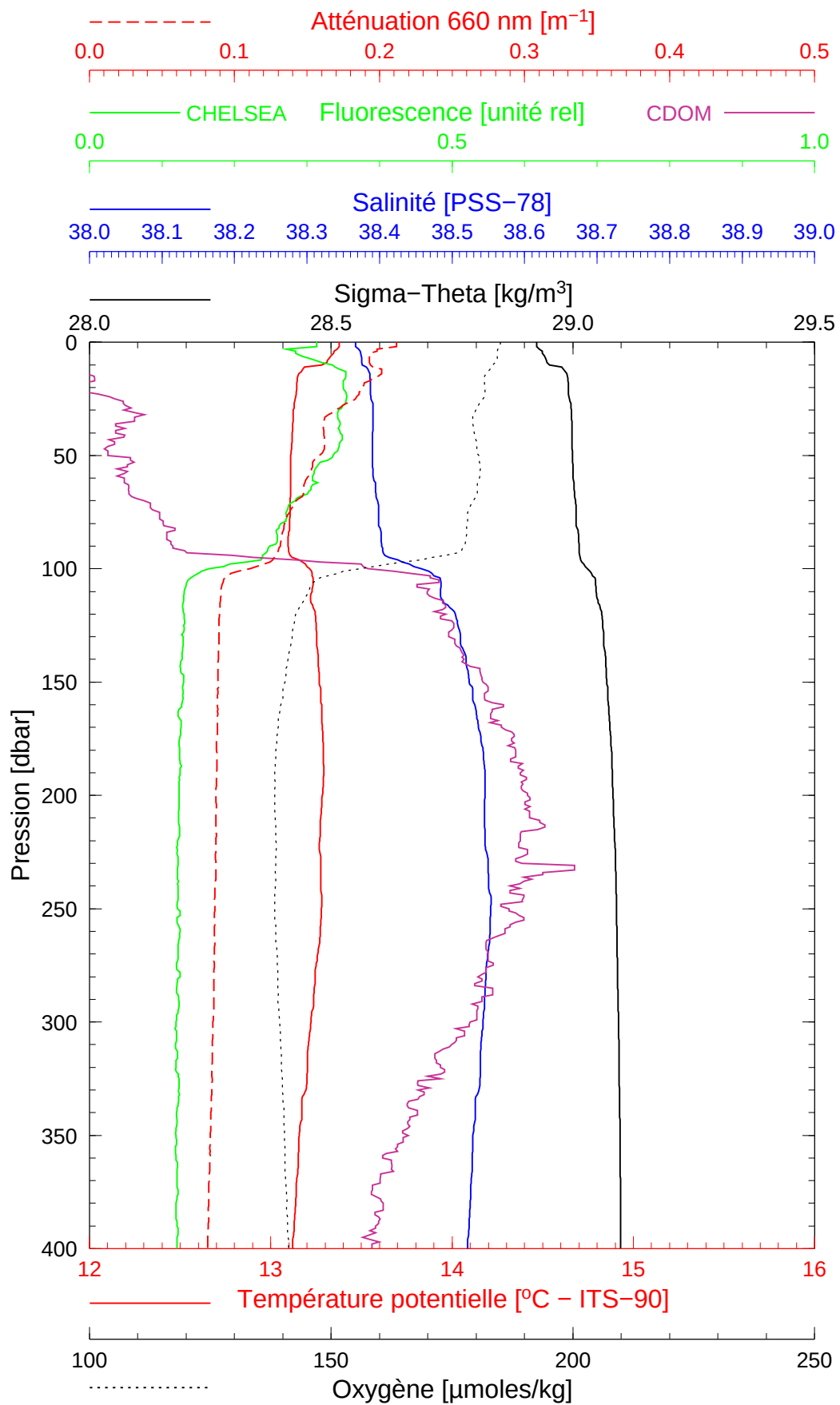
Latitude 43°22.242 N  
Longitude 07°53.773 E

Boussole 60

01/02/2007

BOUS070201\_02

BOUS011



Date 01/02/2007  
Heure déb 13h 55min [TU]

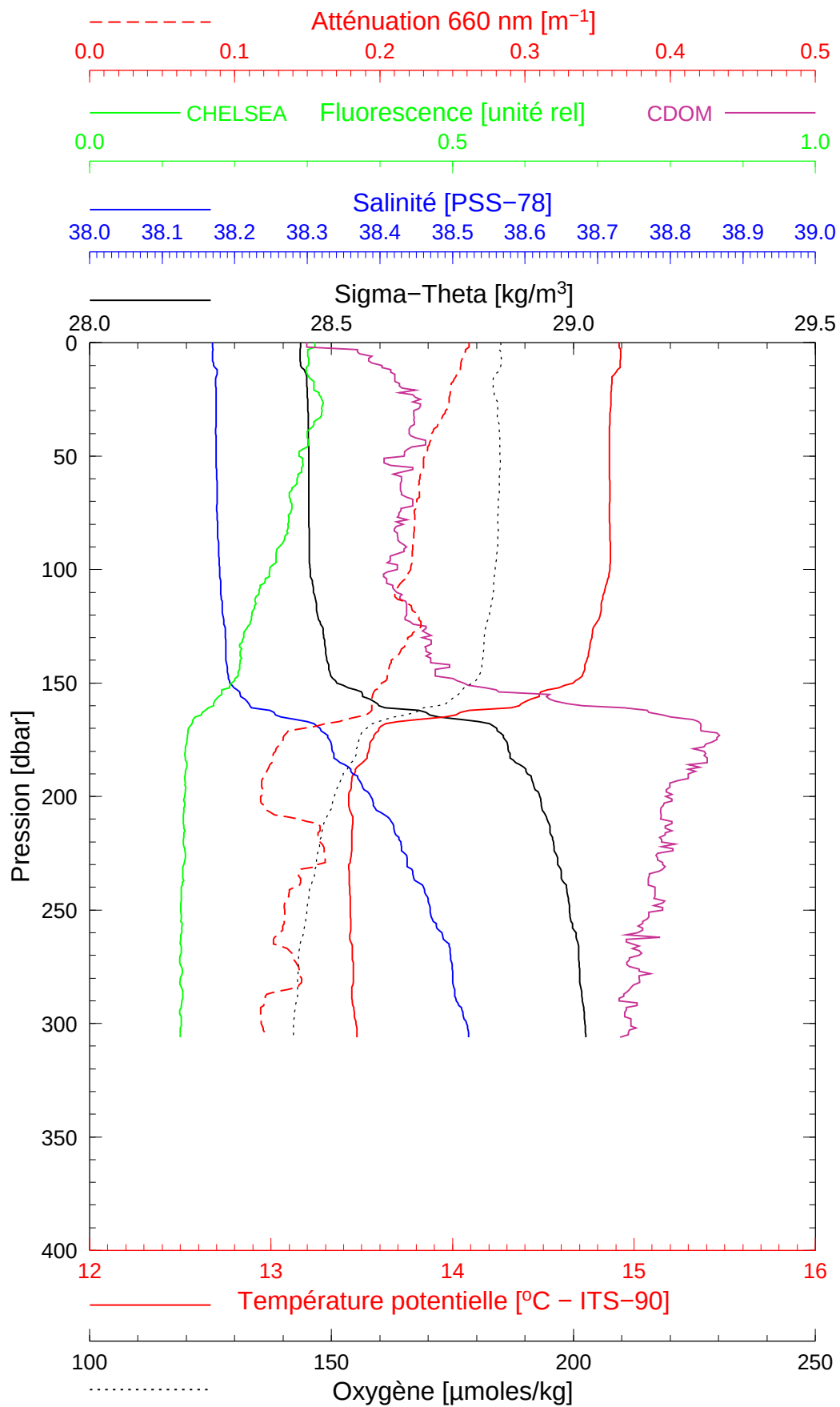
Latitude 43°21.978 N  
Longitude 07°54.358 E

Boussole 60

01/02/2007

BOUS070201\_03

BOUS012 / point C



Date 01/02/2007  
Heure déb 17h 38min [TU]

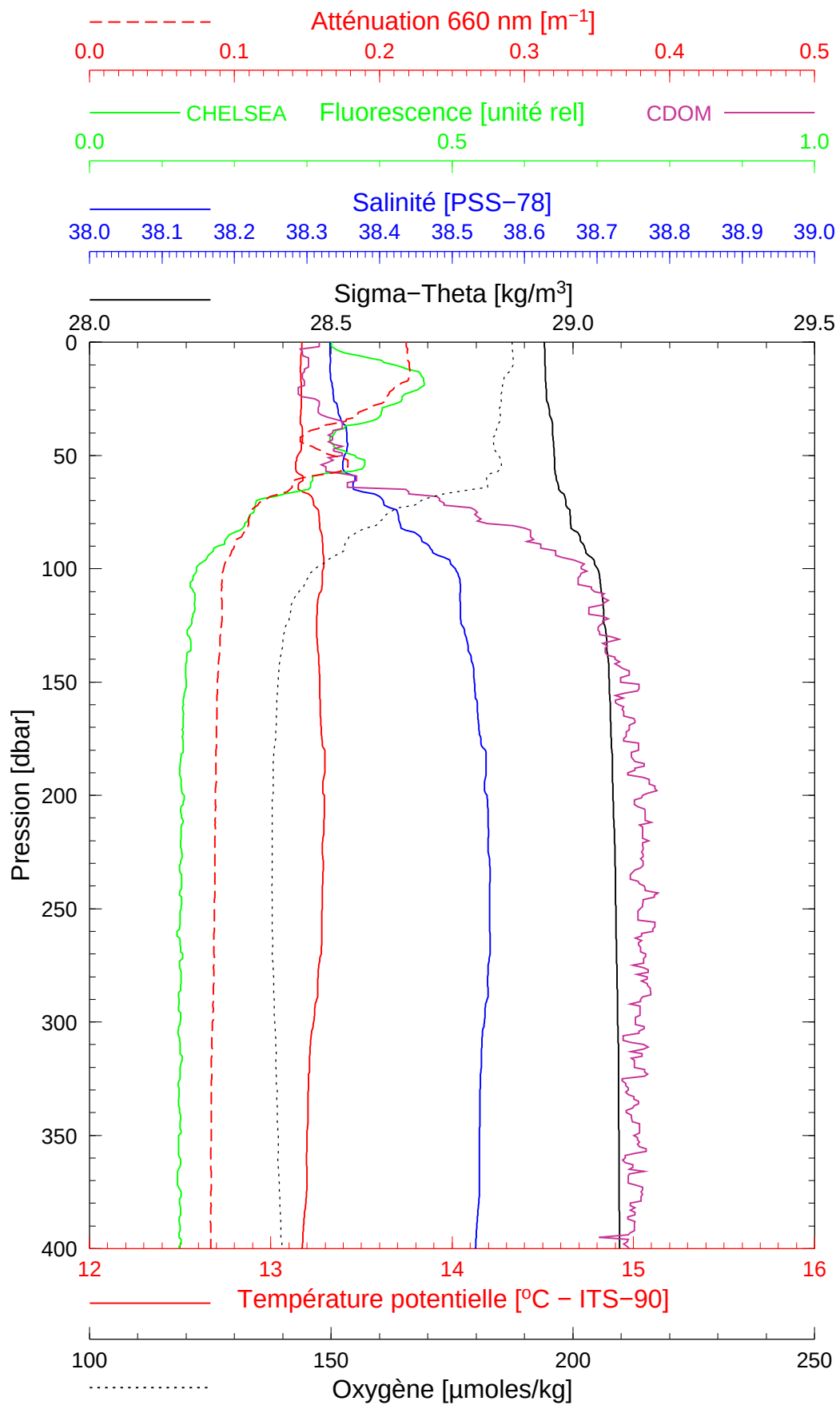
Latitude  $43^{\circ}40.649\text{ N}$   
Longitude  $07^{\circ}18.507\text{ E}$

Boussole 60

02/02/2007

BOUS070202\_01

BOUS013



Date 02/02/2007

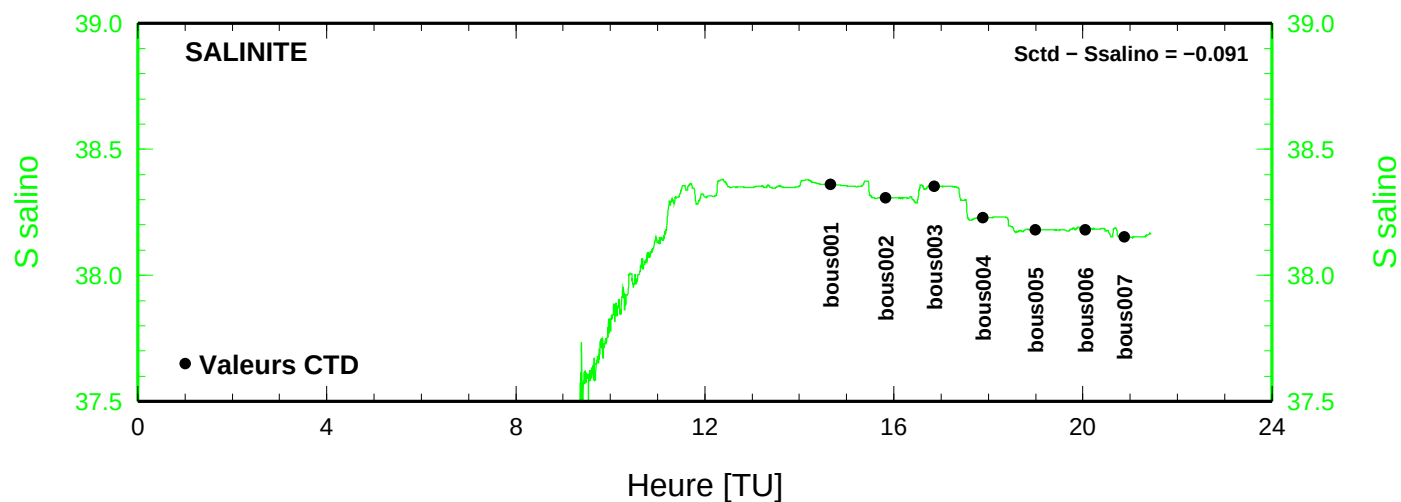
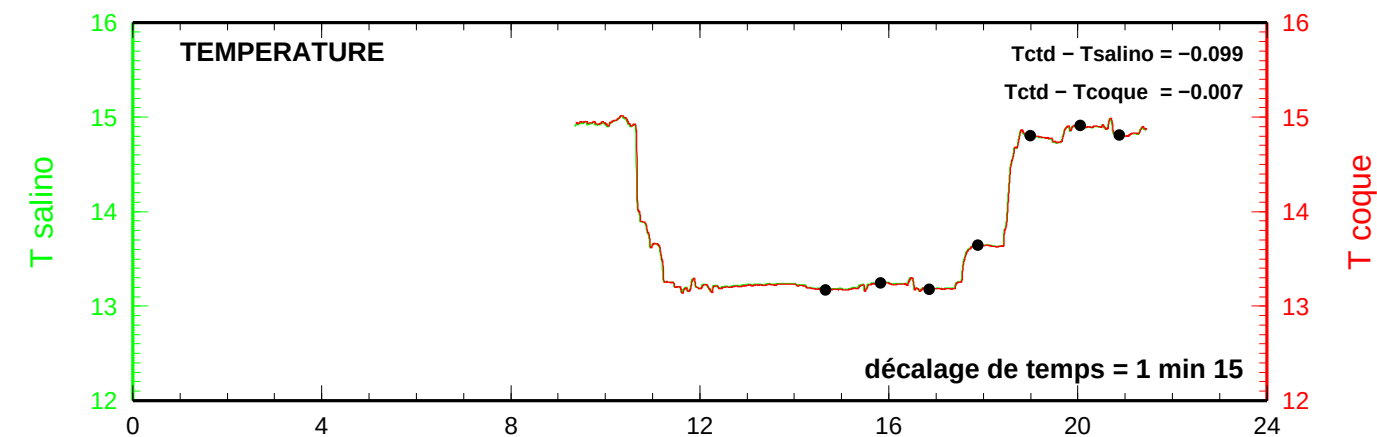
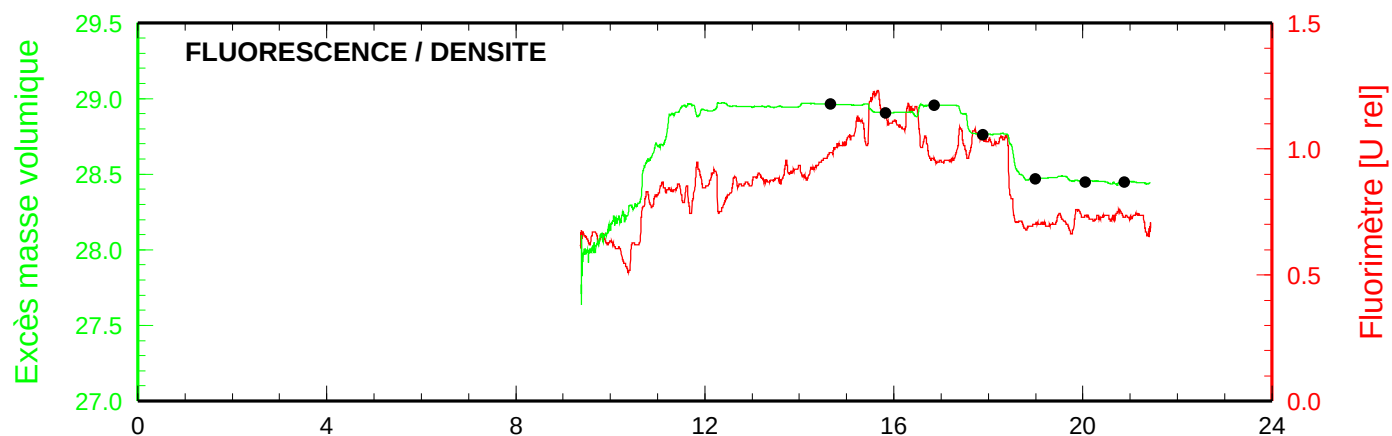
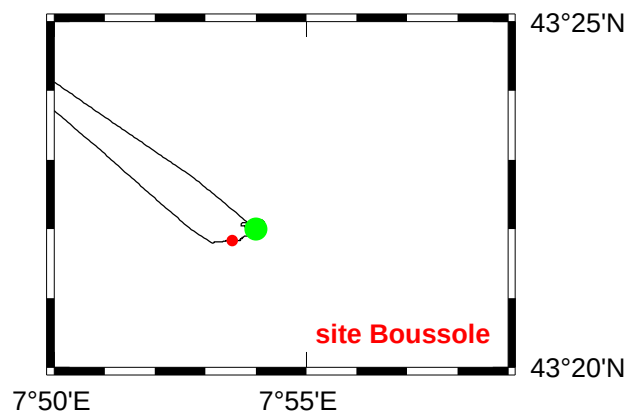
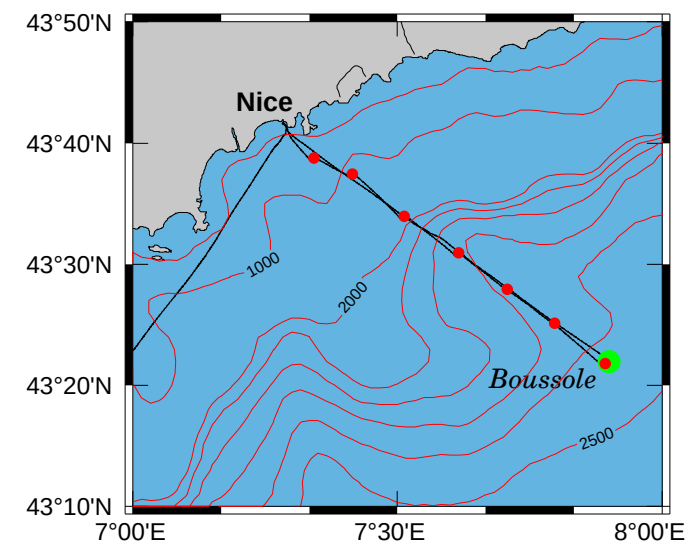
Latitude  $43^{\circ}22.182\text{ N}$

Heure déb 09h 25min [TU]

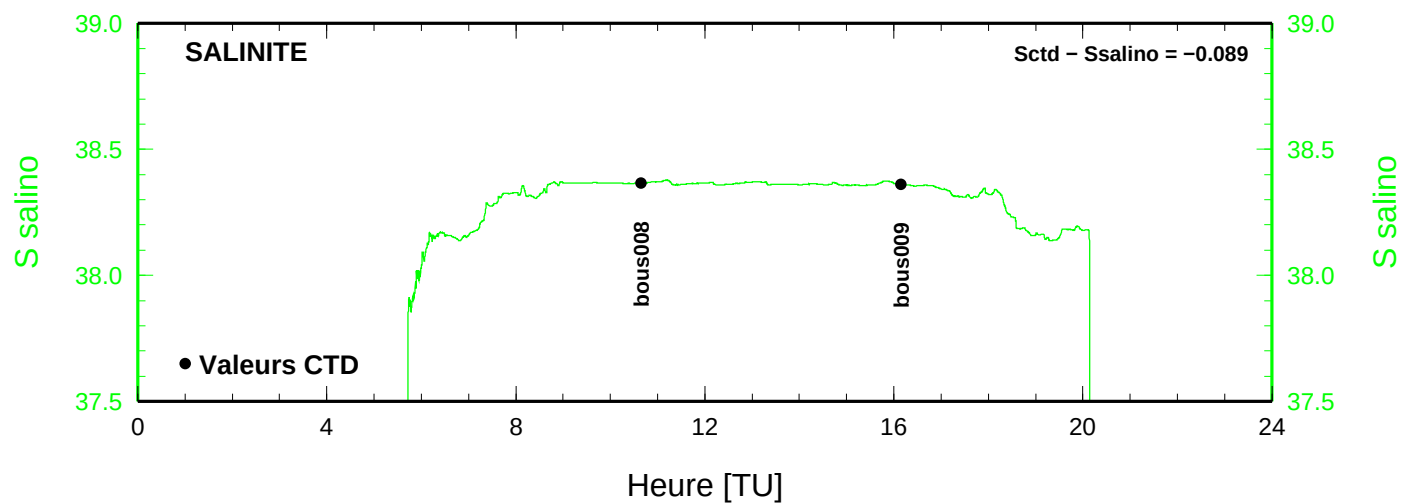
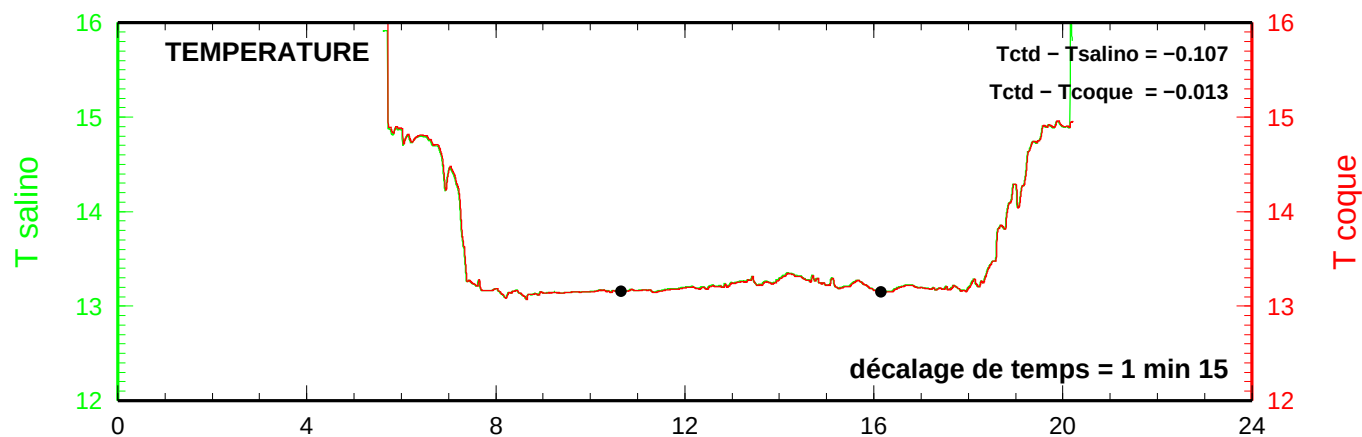
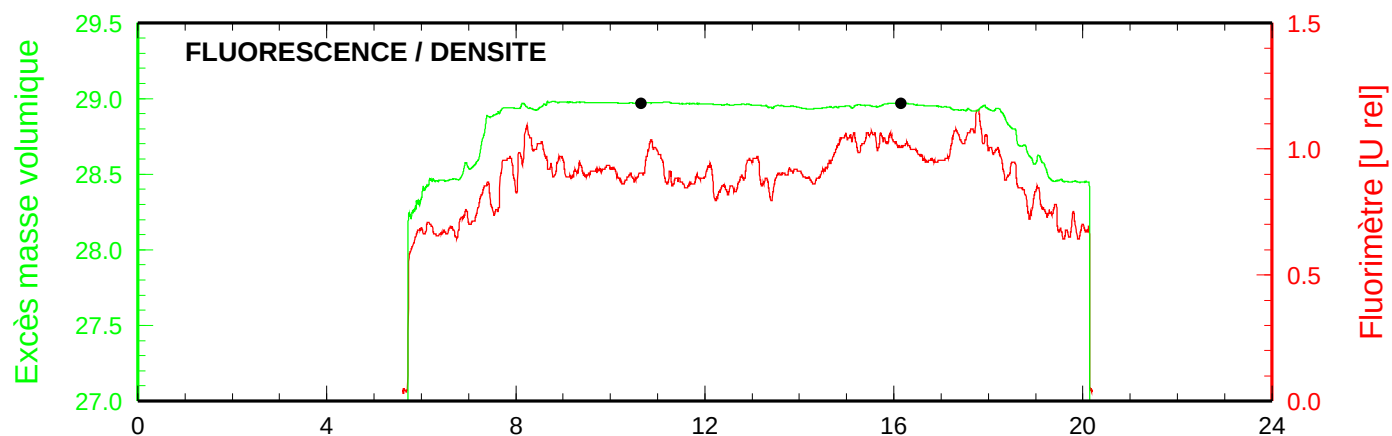
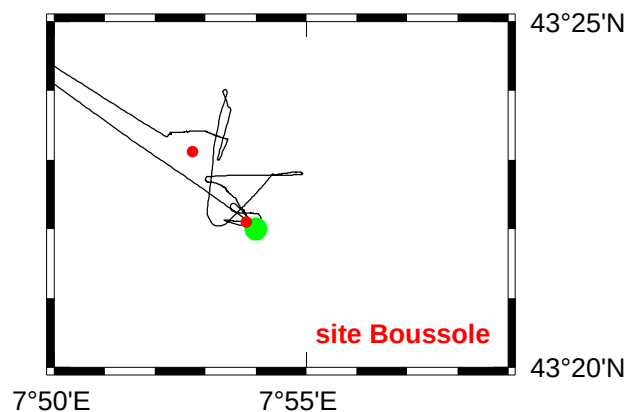
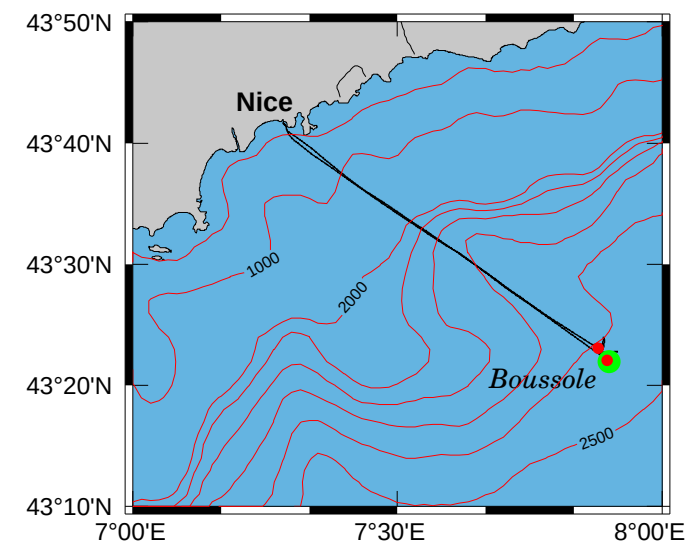
Longitude  $07^{\circ}54.021\text{ E}$



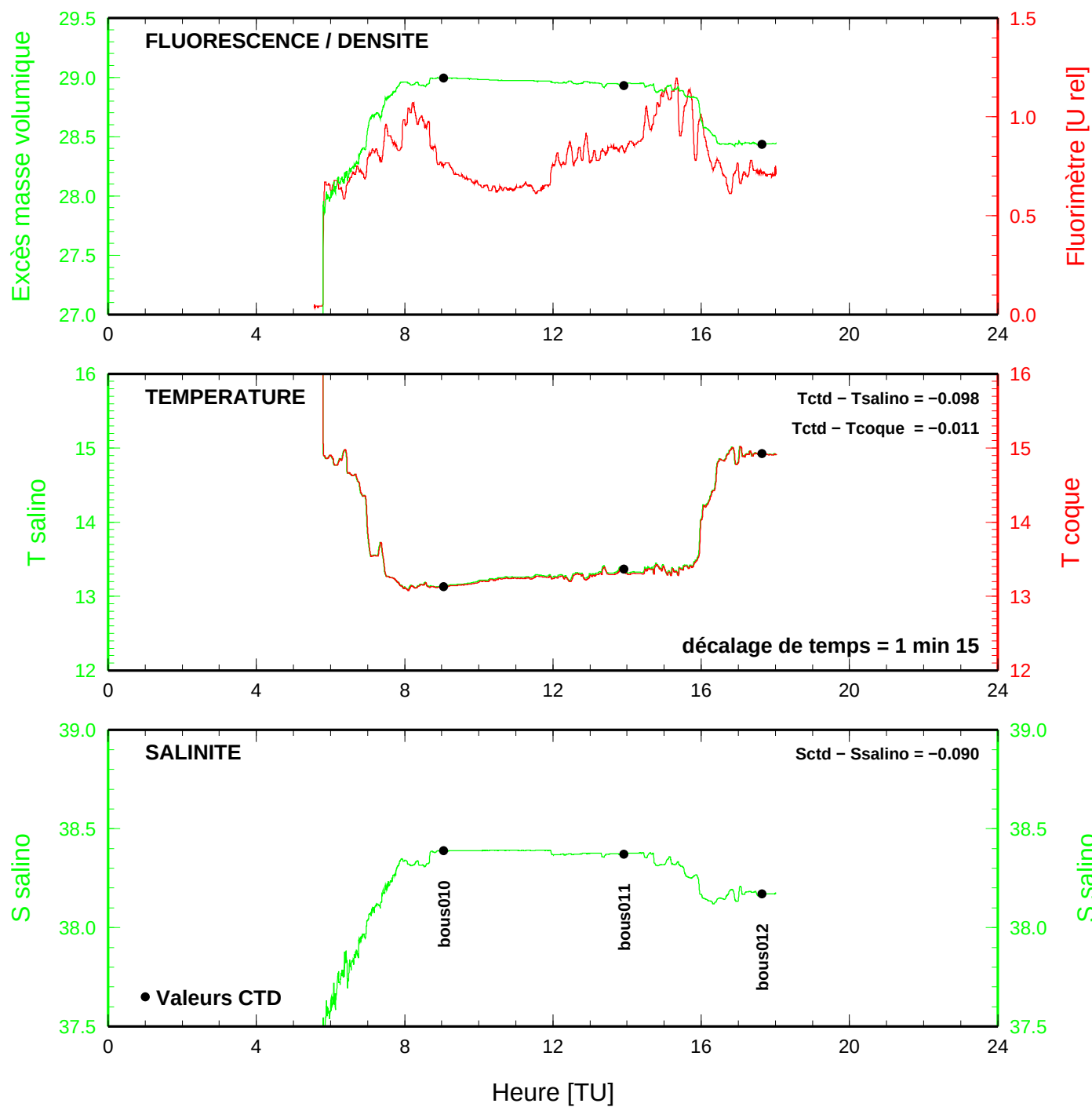
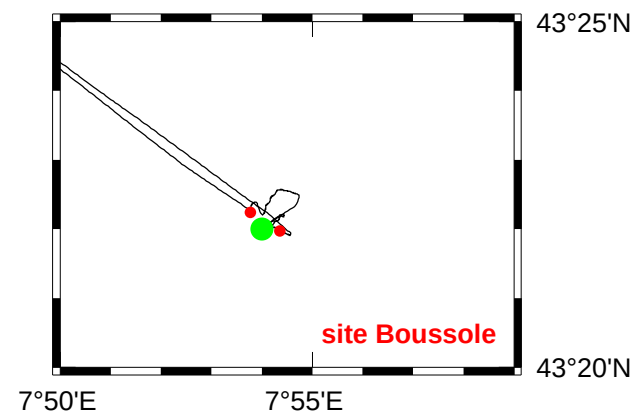
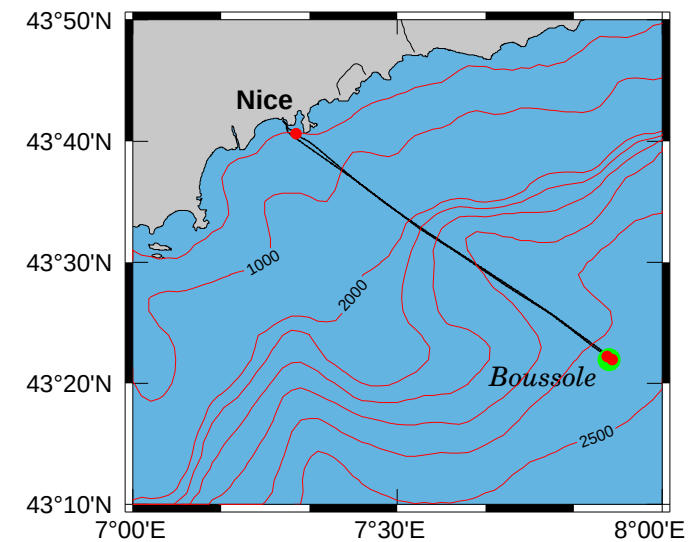
# BOUSSOLE 60 30 janvier 2007



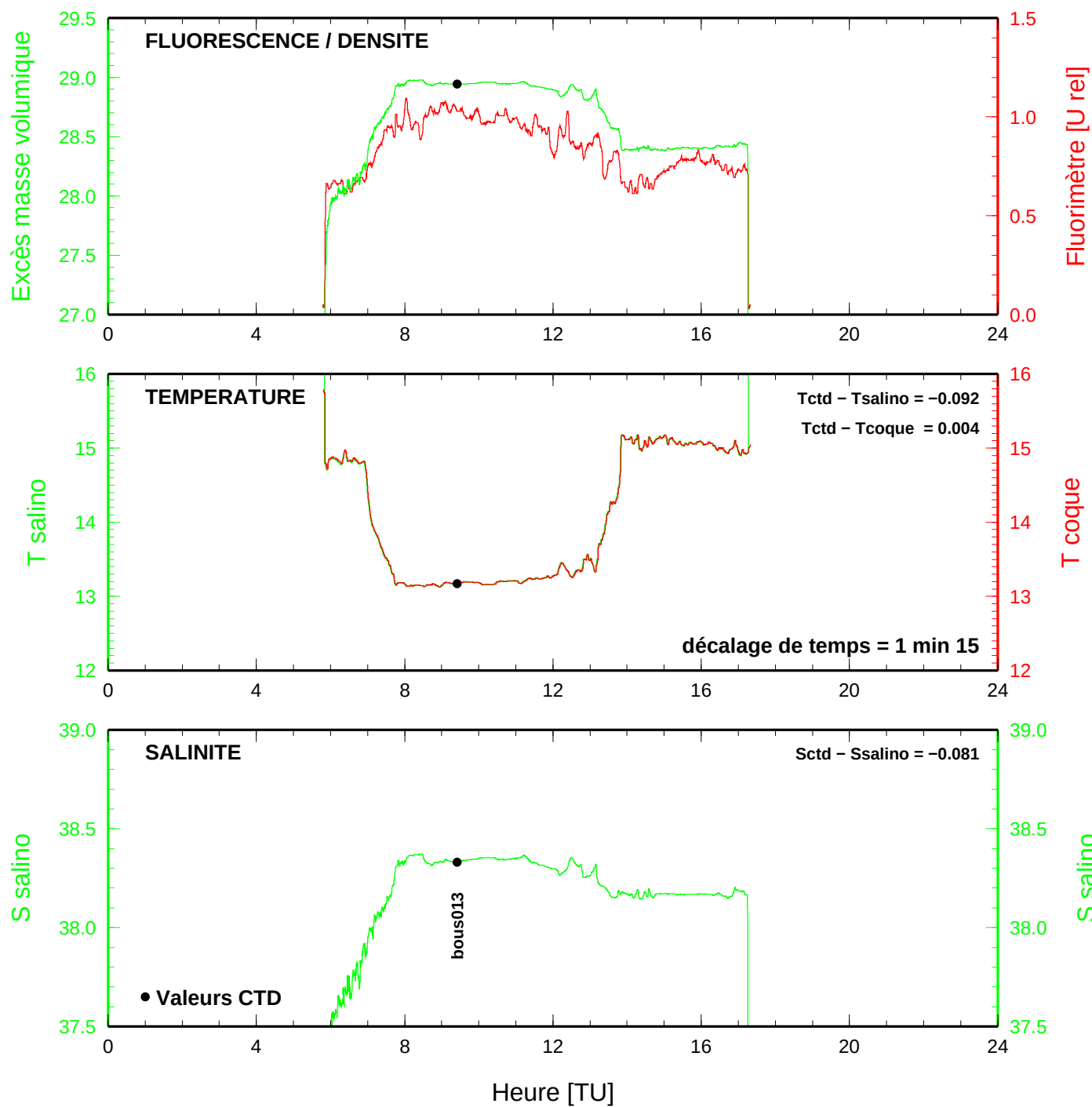
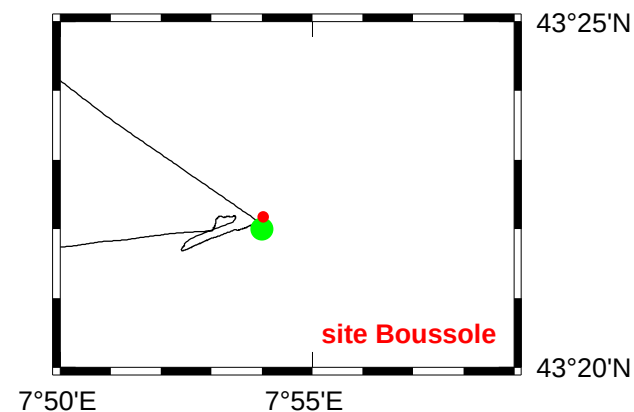
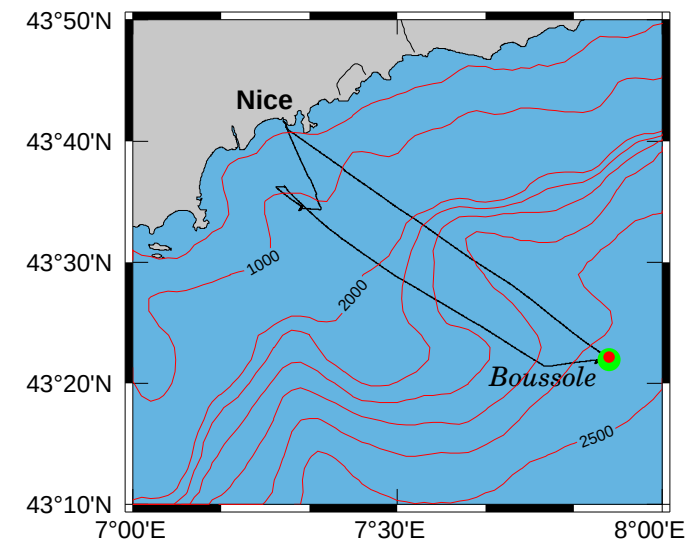
# BOUSSOLE 60 31 janvier 2007

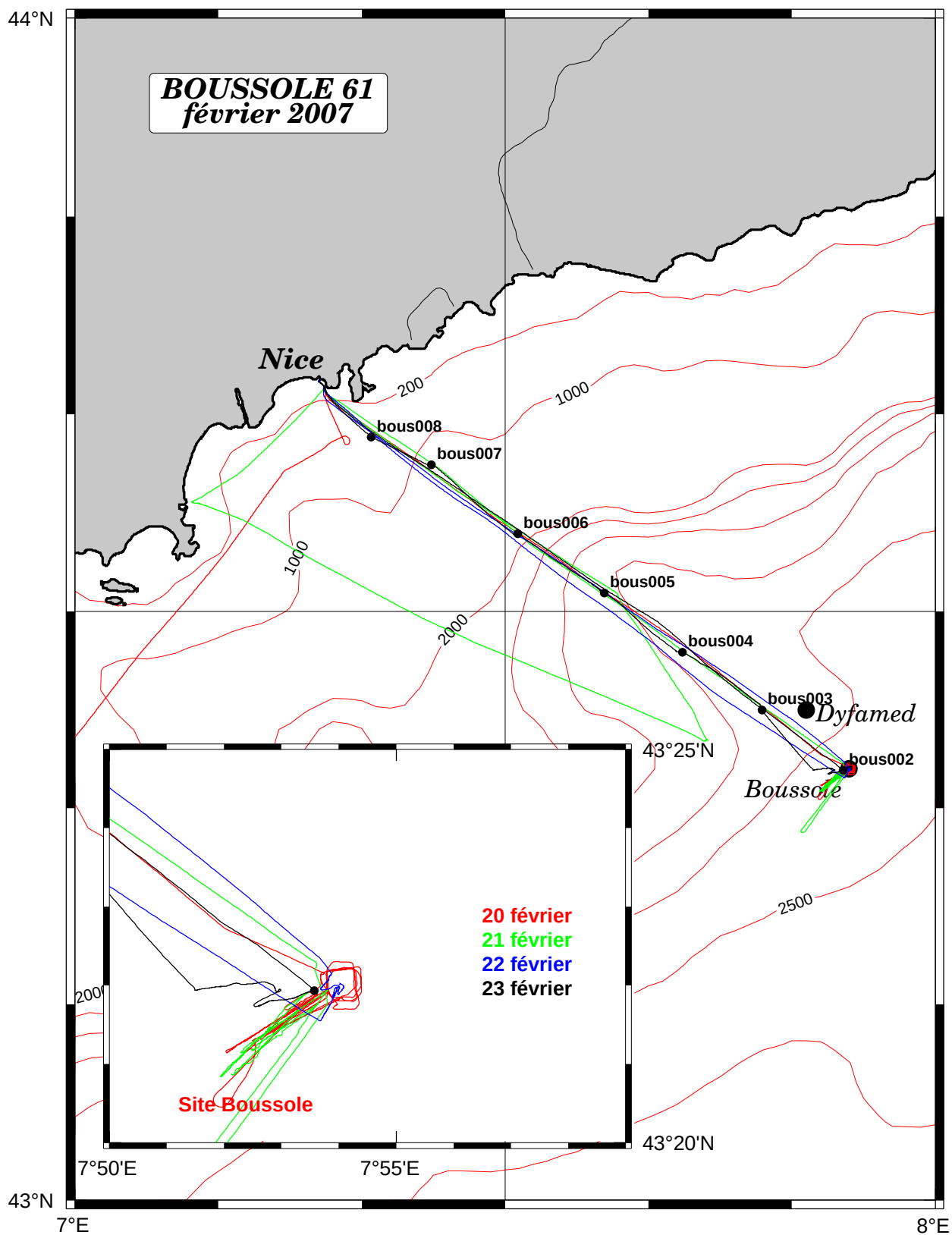


BOUSSOLE 60 01 février 2007



BOUSSOLE 60 02 février 2007





ASCII file: C:\boussole\fev2007\ctd\raw\calib.con

Configuration report for SBE 911/917 plus CTD

-----  
Frequency channels suppressed : 2  
Voltage words suppressed : 0  
Computer interface : RS-232C  
Scans to average : 1  
Surface PAR voltage added : Yes  
NMEA position data added : No  
Scan time added : No

1) Frequency 0, **Temperature**

Serial number : **1378**  
Calibrated on : 18-Jan-07  
G : 4.87141758e-003  
H : 6.79499329e-004  
I : 2.72653519e-005  
J : 2.19087641e-006  
F0 : 1000.000  
Slope : 1.00000000  
Offset : 0.0000

2) Frequency 1, **Conductivity**

Serial number : **2929**  
Calibrated on : 06-Jan-07  
G : -1.05972506e+001  
H : 1.41871895e+000  
I : 9.89047811e-004  
J : -5.59048433e-006  
CTcor : 3.2500e-006  
CPcor : -9.57000000e-008  
Slope : 1.00000000  
Offset : 0.0000

3) Frequency 2, **Pressure, Digiquartz with TC**

Serial number : **53981**  
Calibrated on : 11-Jan-95  
C1 : -4.499337e+004  
C2 : 4.543683e-001  
C3 : 1.505020e-002  
D1 : 3.936600e-002  
D2 : 0.000000e+000  
T1 : 3.004660e+001  
T2 : -1.897714e-004  
T3 : 4.727060e-006  
T4 : 1.923520e-009  
T5 : 0.000000e+000  
Slope : 0.99985000  
Offset : 0.11430  
AD590M : 1.138000e-002  
AD590B : -8.189160e+000

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

Serial number : **0587**  
Calibrated on : 10-Jan-04  
Soc : 3.5840e-001  
Boc : 0.0000  
Offset : -0.4782  
Tcor : 0.0012  
Pcor : 1.35e-004  
Tau : 0.0

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, **Fluorometer, Wetlab CDOM**

Serial number : 1095P  
Calibrated on : 31-Jul-06  
Vblank : 0.058  
Scale factor : 62.000

9) A/D voltage 5, **Transmissometer, Wetlab CStar**

Serial number : **887DR**  
Calibrated on : 13-Feb-06  
M : 21.4500  
B : -1.2870  
Path length : 0.250

10) A/D voltage 6, Free

11) A/D voltage 7, Free

12) SPAR voltage, Unavailable

13) SPAR voltage, **SPAR/Surface Irradiance**

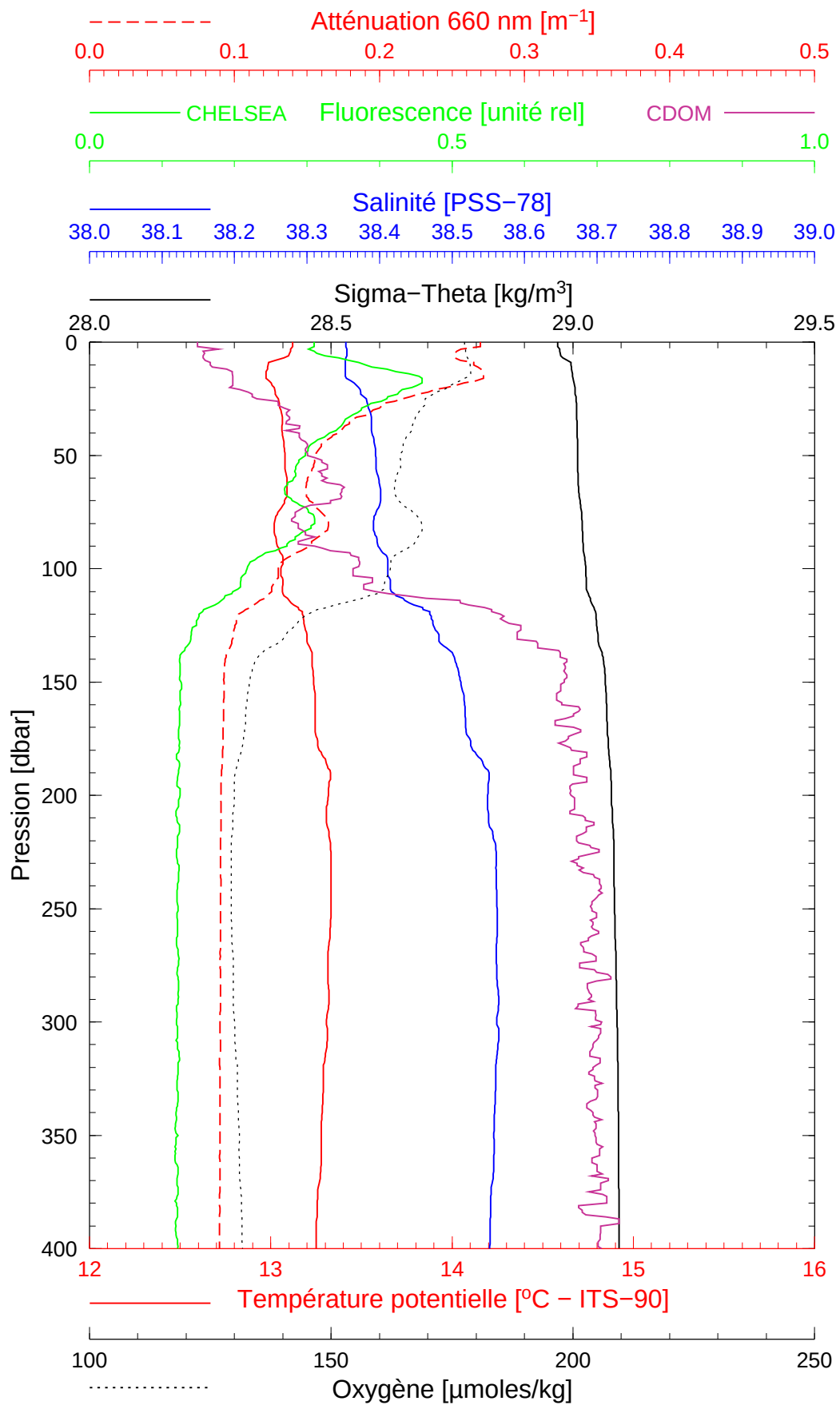
Serial number : **6326**  
Calibrated on : 24-fev-95  
Conversion factor : 753.25000000  
Ratio multiplier : 1.00000000

Boussole 61

22/02/2007

BOUS070222\_01

BOUS001



Date 22/02/2007  
Heure déb 11h 18min [TUJ]

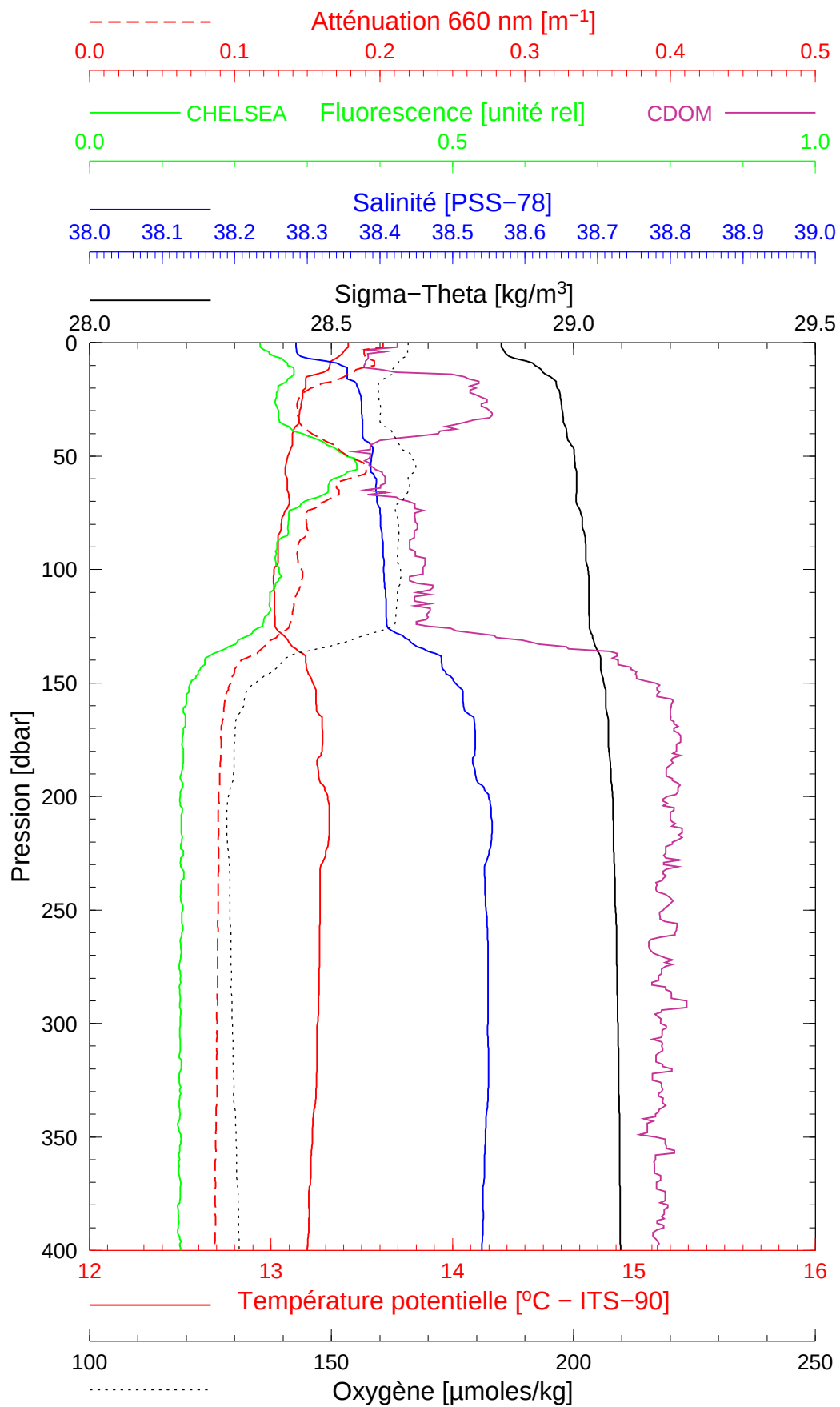
Latitude  $43^{\circ}21.805\text{ N}$   
Longitude  $07^{\circ}53.881\text{ E}$

Boussole 61

23/02/2007

BOUS070223\_01

BOUS002



Date 23/02/2007  
Heure déb 09h 10min [TU]

Latitude  $43^{\circ}21.935\text{ N}$   
Longitude  $07^{\circ}53.570\text{ E}$

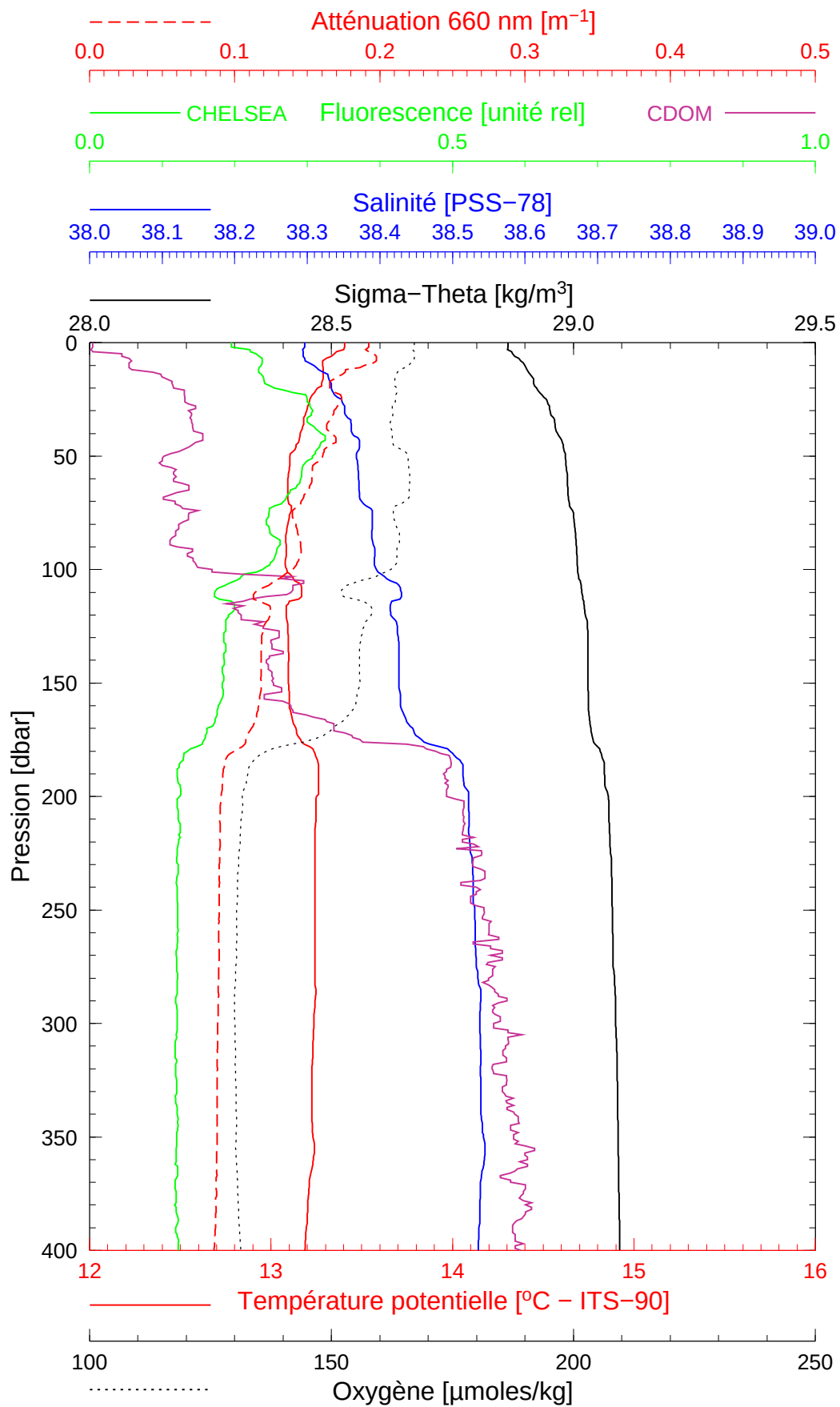


Boussole 61

23/02/2007

BOUS070223\_02

BOUS003



Date 23/02/2007  
Heure déb 12h 42min [TU]

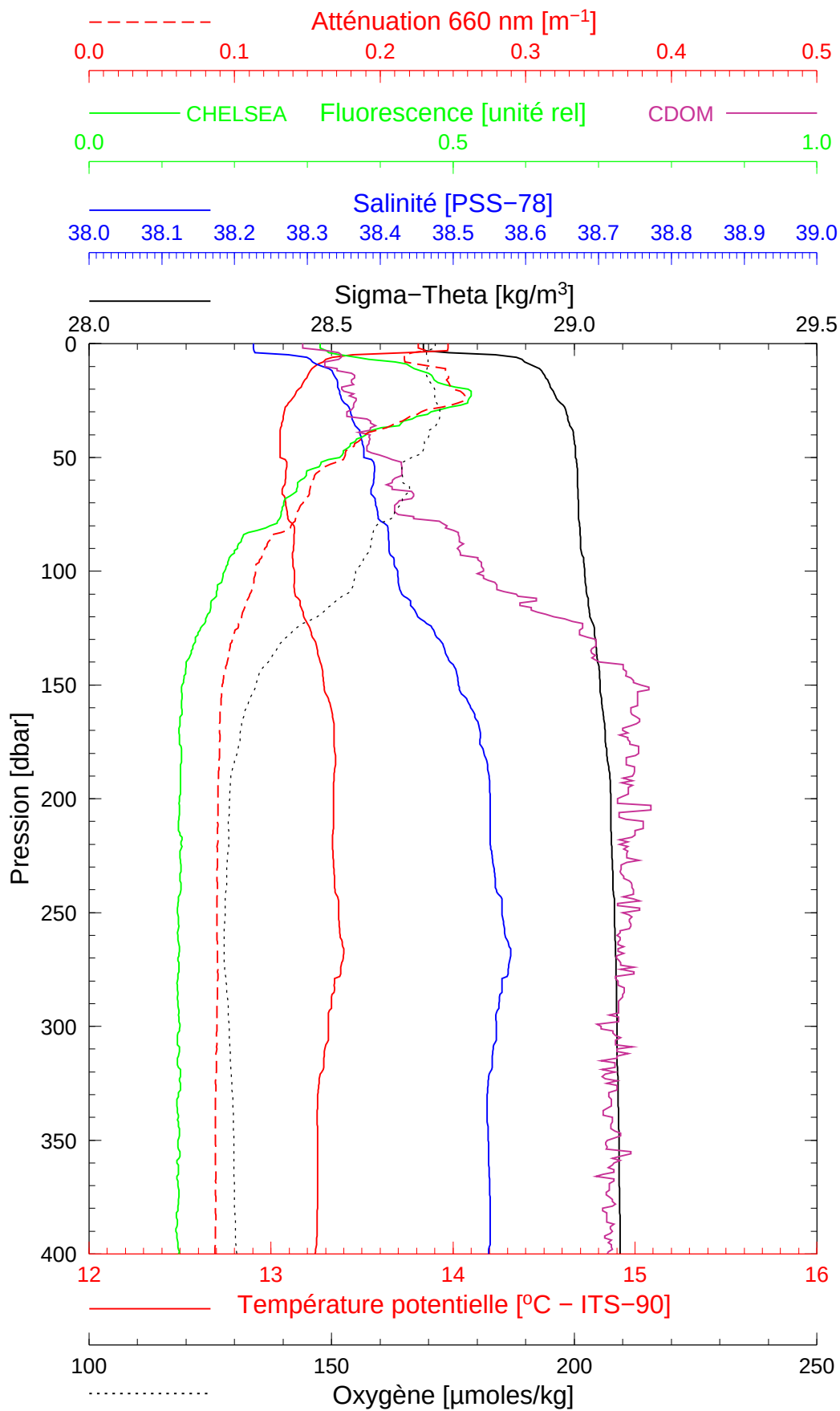
Latitude  $43^{\circ}24.990$  N  
Longitude  $07^{\circ}47.905$  E

Boussole 61

23/02/2007

BOUS070223\_03

BOUS004



Date 23/02/2007  
Heure déb 13h 39min [TU]

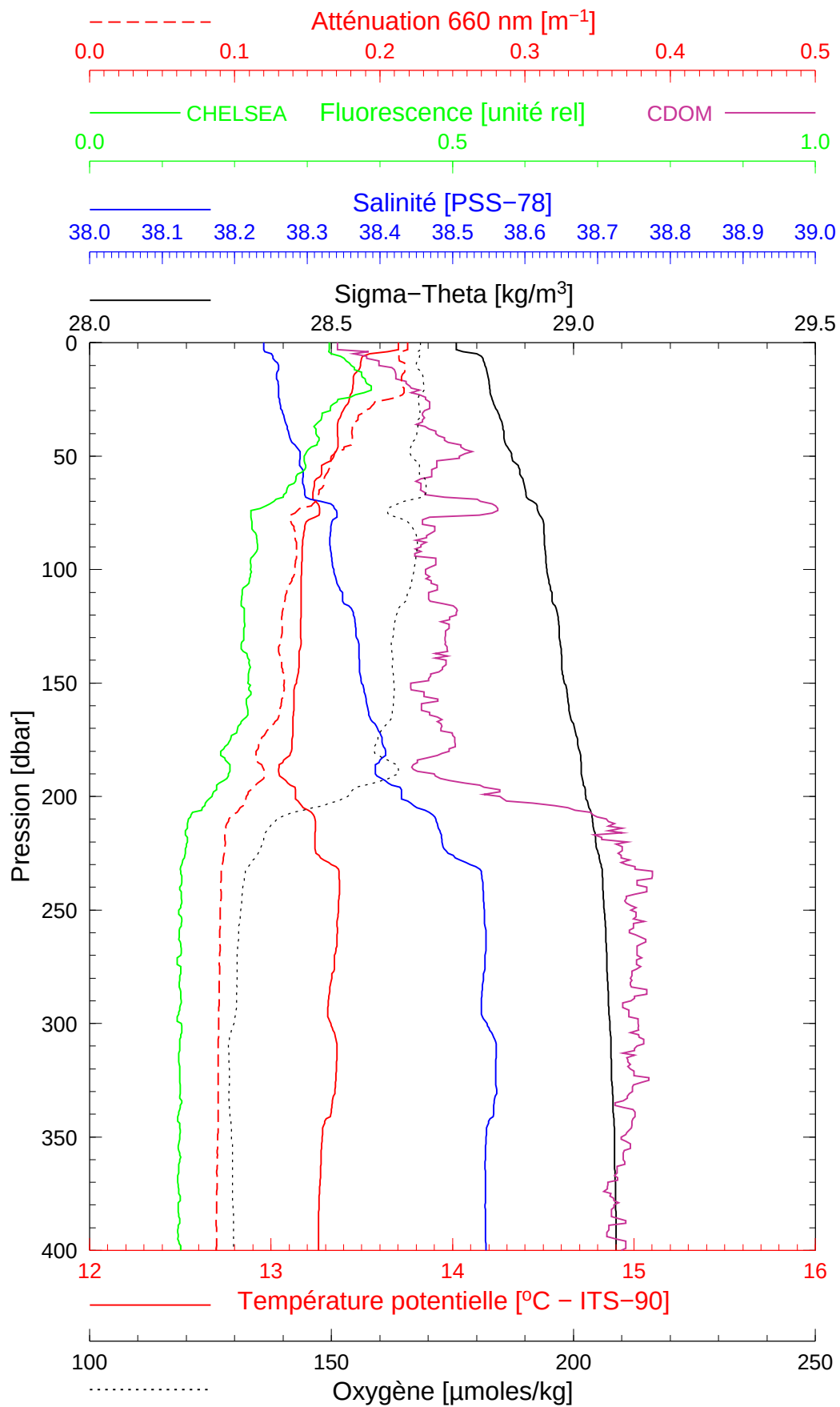
Latitude  $43^{\circ}27.940$  N  
Longitude  $07^{\circ}42.373$  E

Boussole 61

23/02/2007

BOUS070223\_04

BOUS005



Date 23/02/2007  
Heure déb 14h 35min [TU]

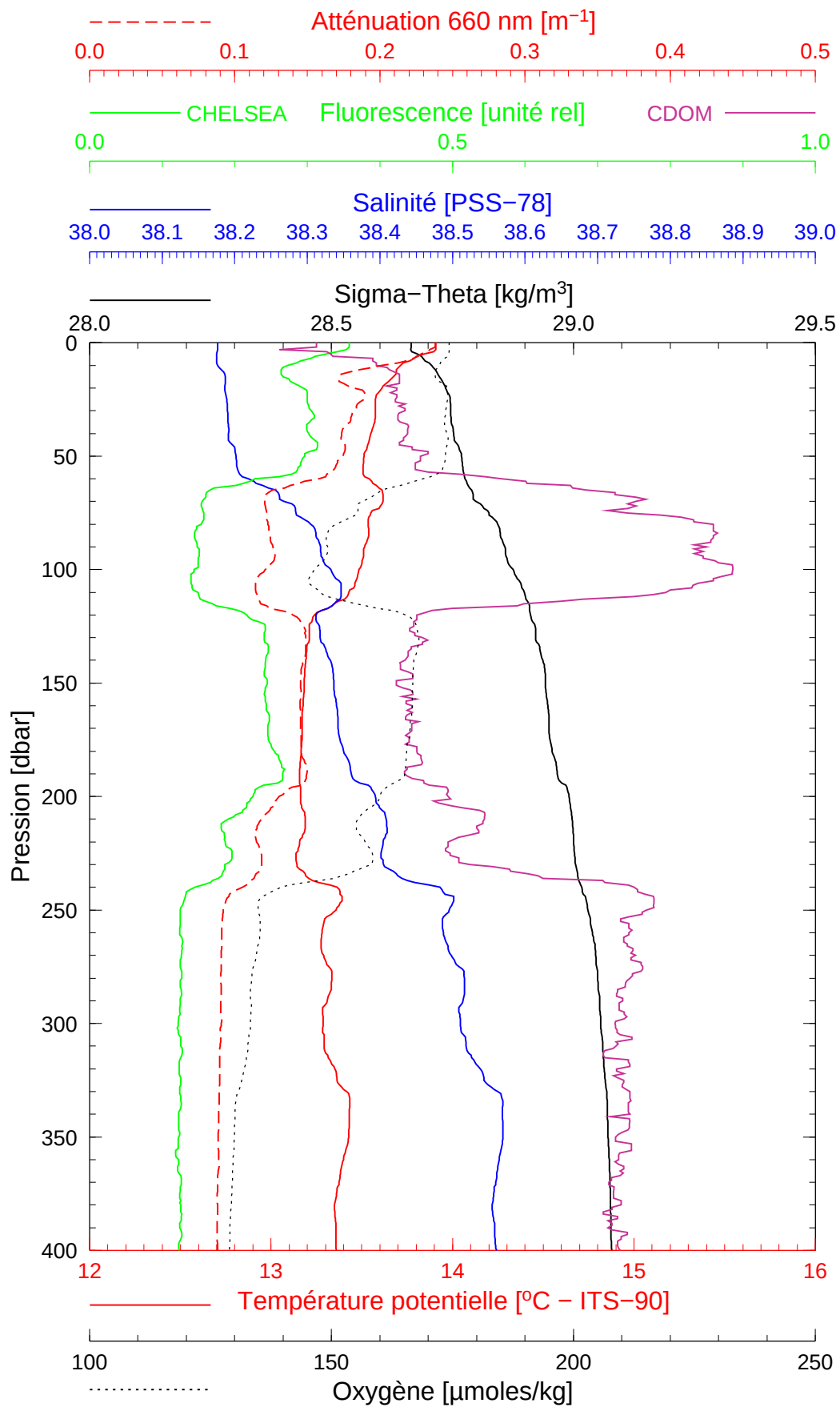
Latitude 43°30.938 N  
Longitude 07°36.907 E

Boussole 61

23/02/2007

BOUS070223\_05

BOUS006



Date 23/02/2007  
Heure déb 15h 34min [TU]

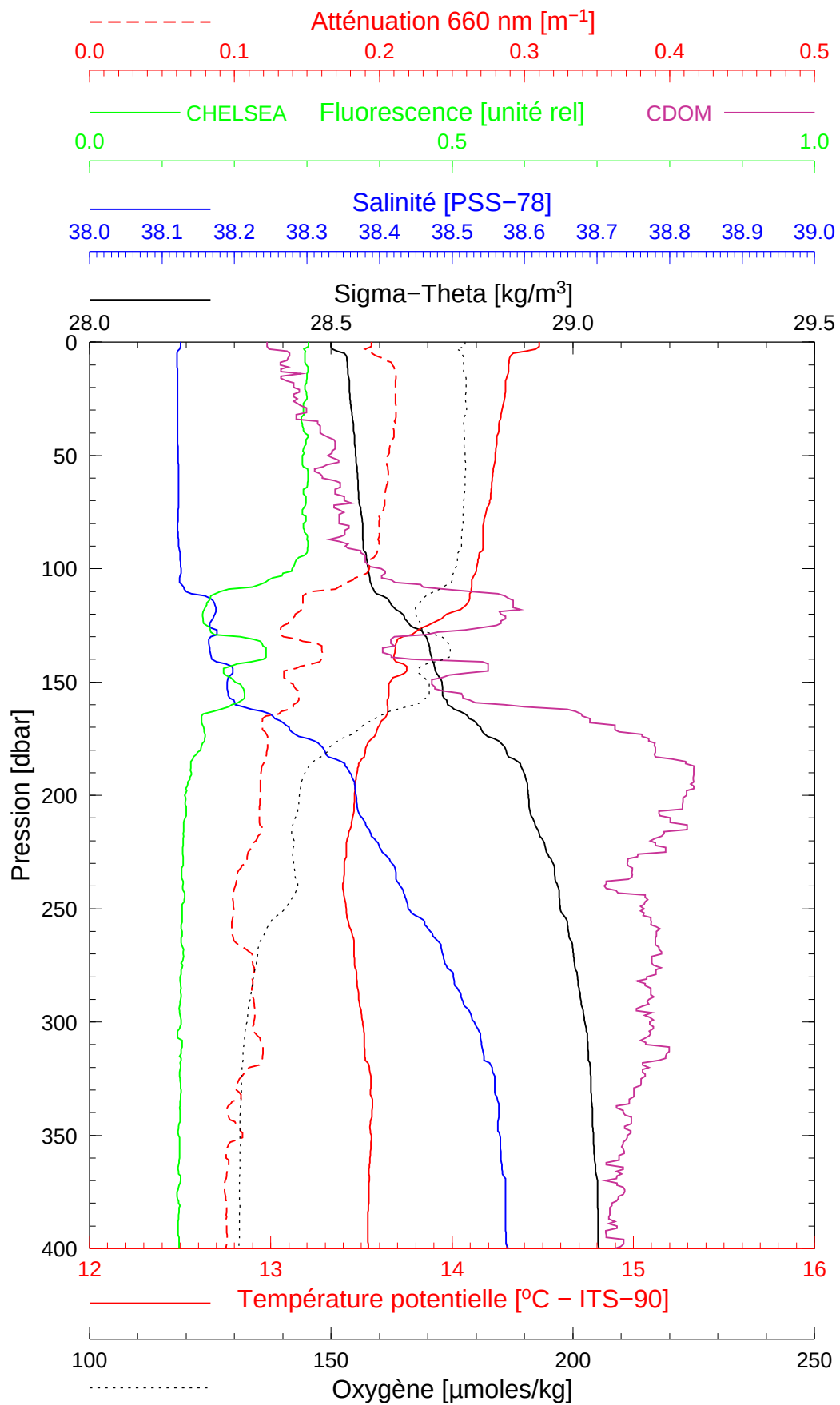
Latitude 43°33.943 N  
Longitude 07°30.895 E

Boussole 61

23/02/2007

BOUS070223\_06

BOUS007



Date 23/02/2007  
Heure déb 16h 35min [TU]

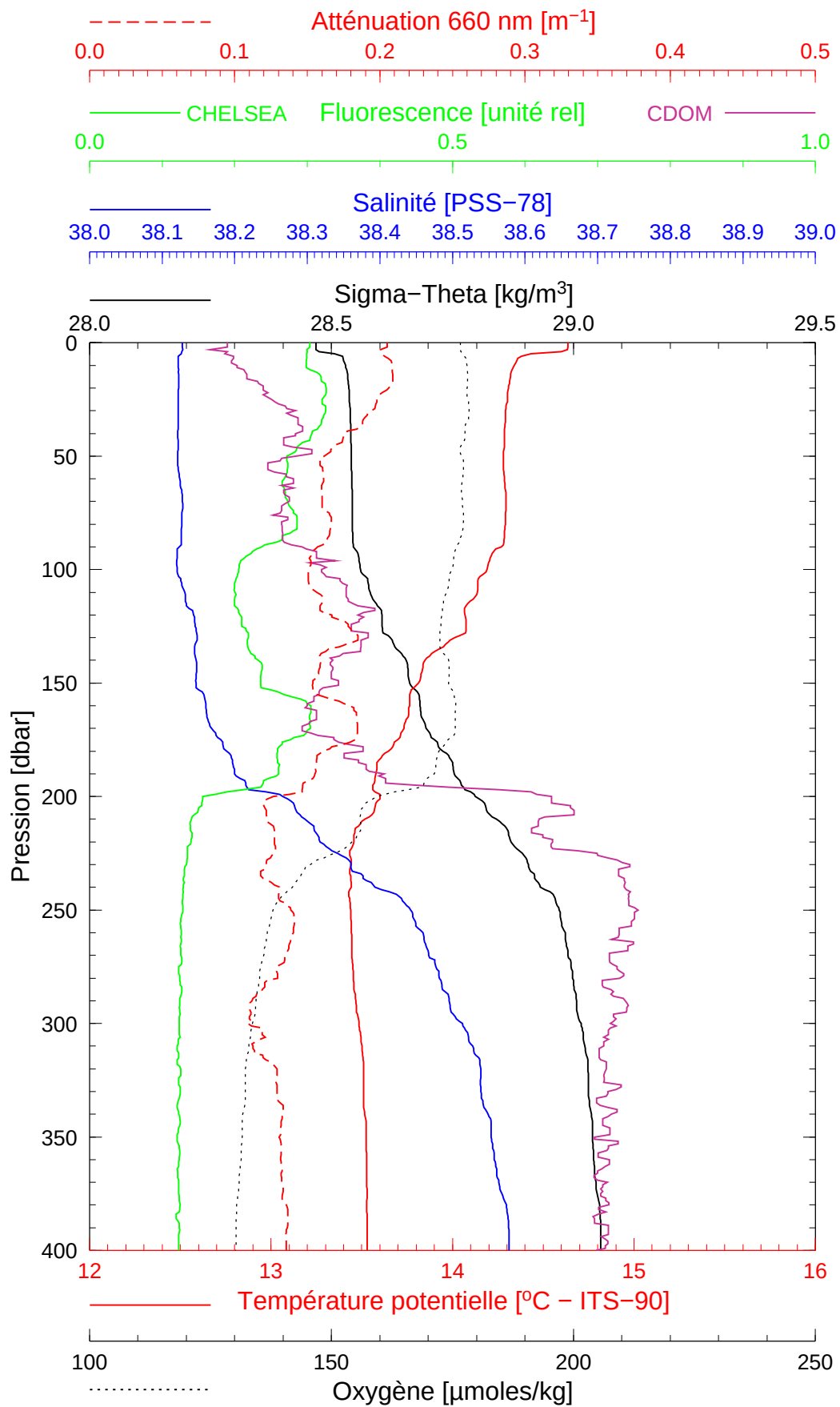
Latitude 43°37.450 N  
Longitude 07°24.870 E

Boussole 61

23/02/2007

BOUS070223\_07

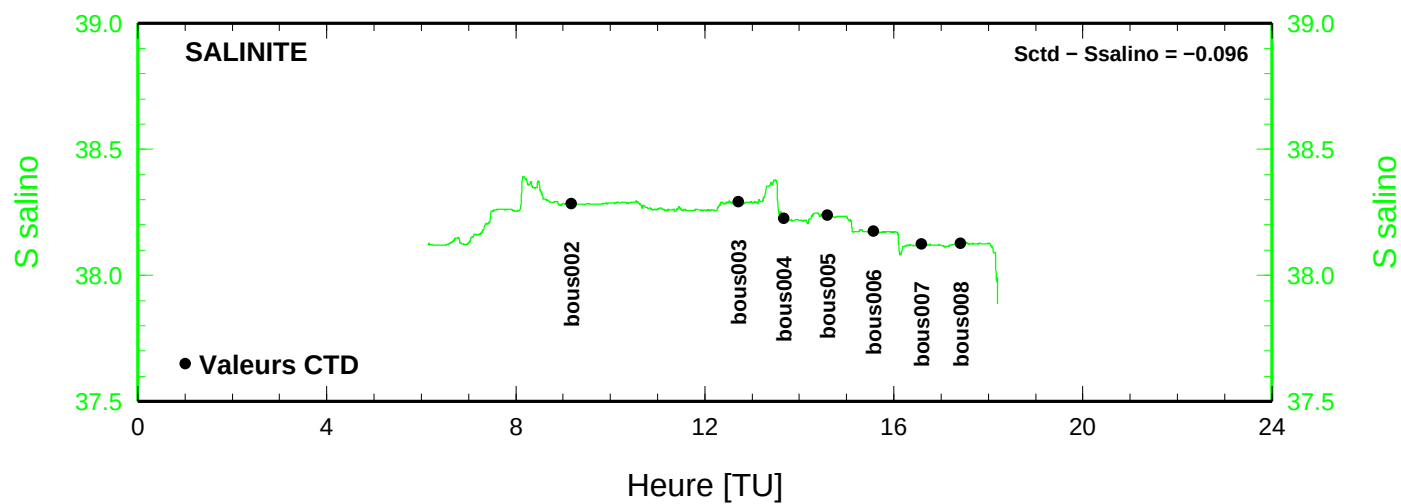
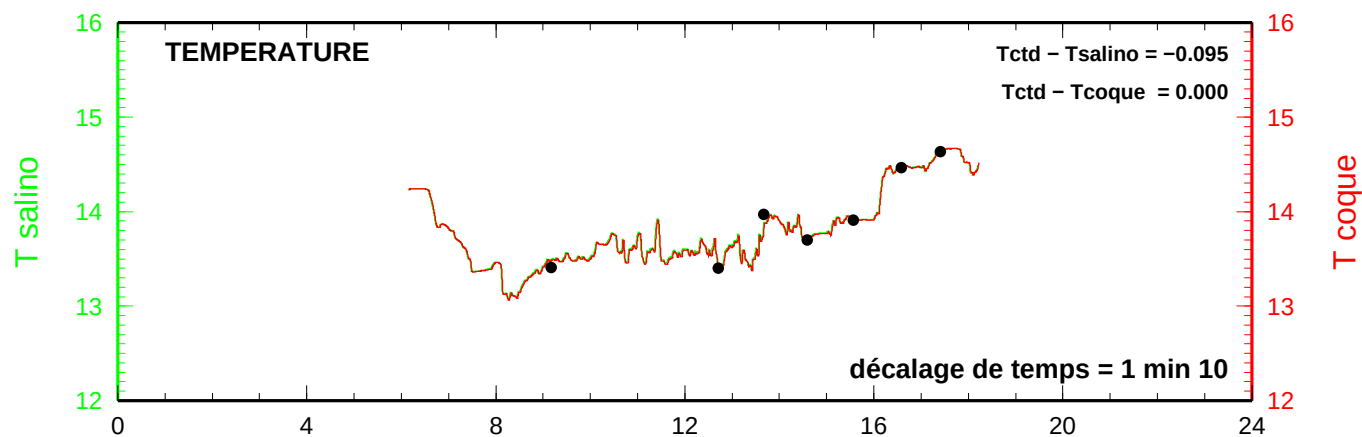
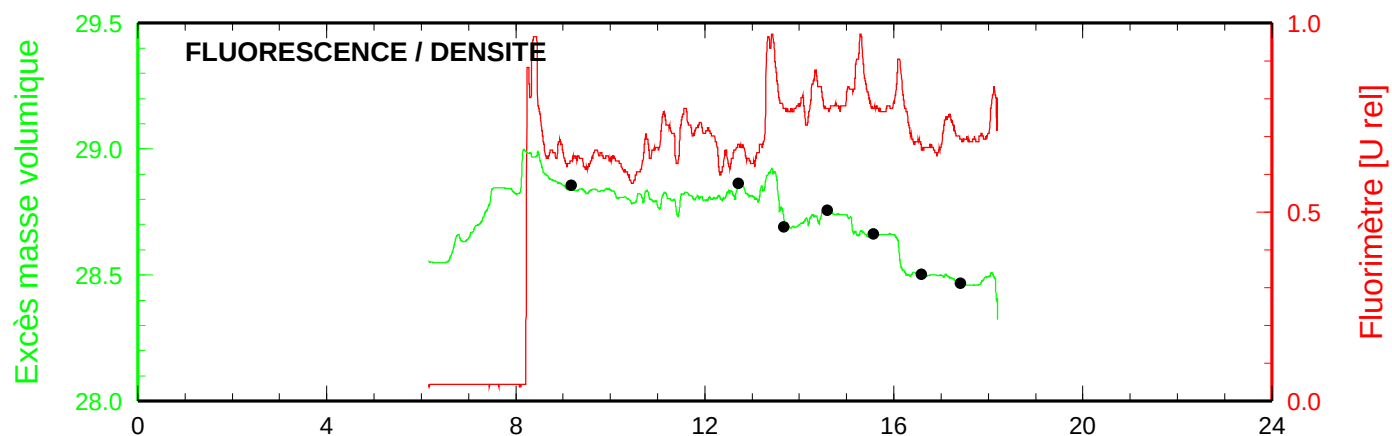
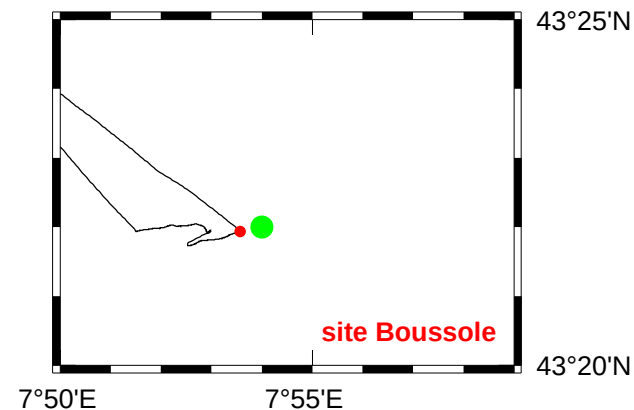
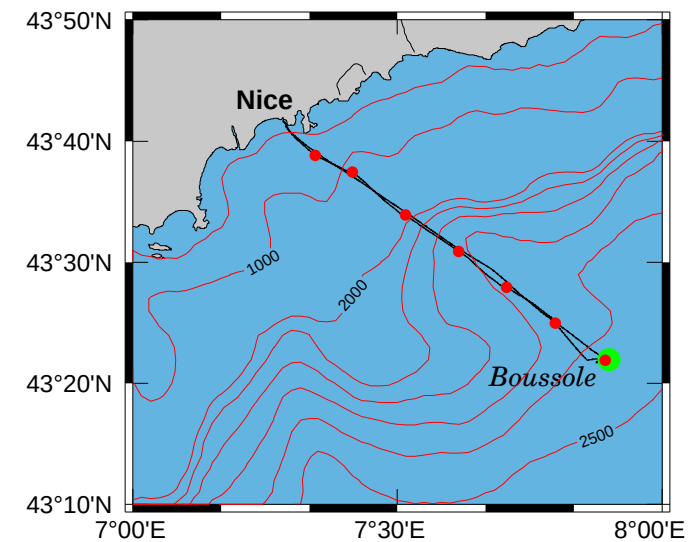
BOUS008

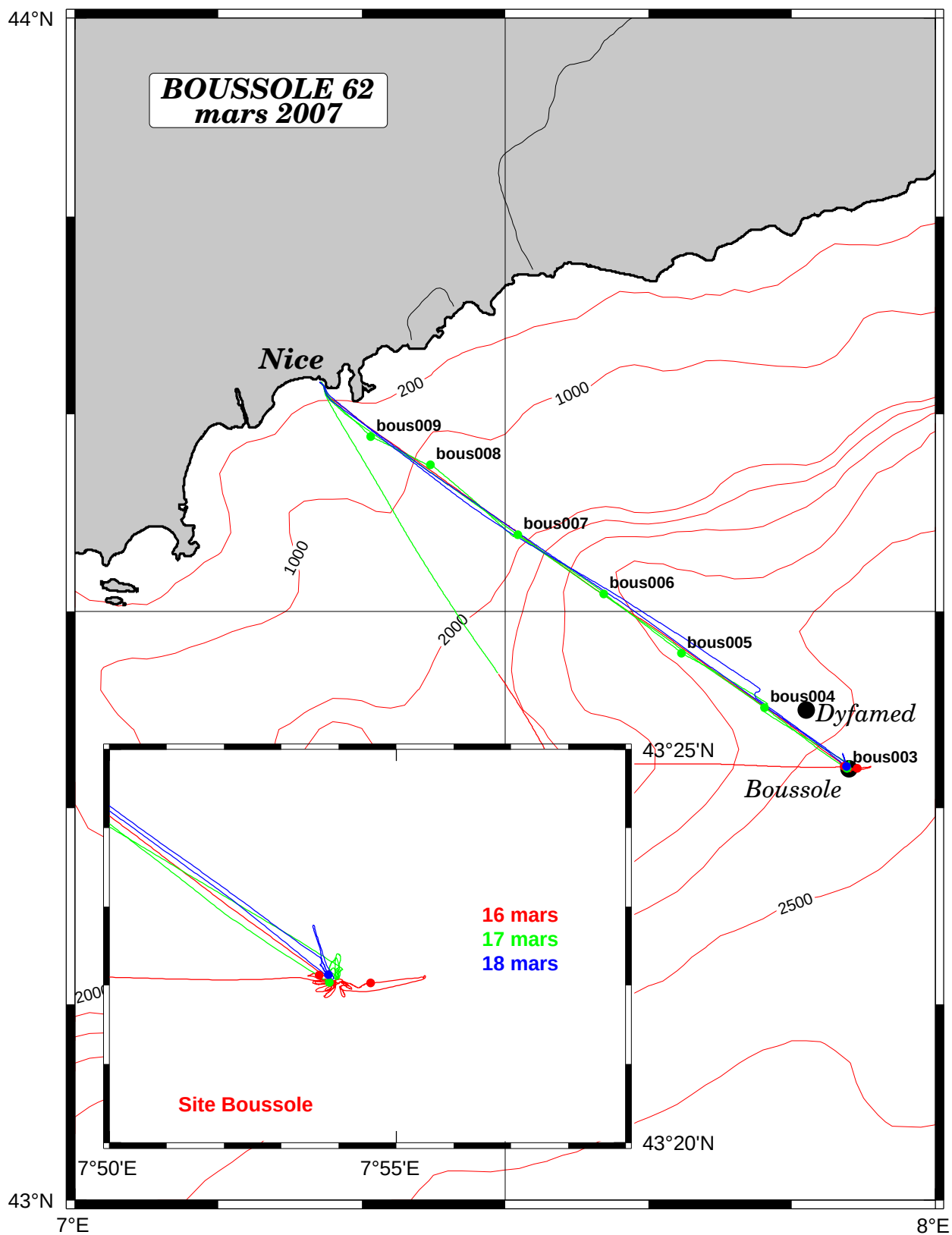


Date 23/02/2007  
Heure déb 17h 24min [TU]

Latitude  $43^{\circ}38.854\text{ N}$   
Longitude  $07^{\circ}20.647\text{ E}$

BOUSSOLE 61 23 février 2007







ASCII file: C:\boussole\mars2007\ctd\raw\calib.con

Configuration report for SBE 911/917 plus CTD

-----  
Frequency channels suppressed : 2  
Voltage words suppressed : 0  
Computer interface : RS-232C  
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Surface PAR voltage added : Yes  
NMEA position data added : No  
Scan time added : No

1) Frequency 0, **Temperature**

Serial number : **1378**  
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H : 6.79499329e-004  
I : 2.72653519e-005  
J : 2.19087641e-006  
F0 : 1000.000  
Slope : 1.00000000  
Offset : 0.0000

2) Frequency 1, **Conductivity**

Serial number : **2929**  
Calibrated on : 06-Jan-07  
G : -1.05972506e+001  
H : 1.41871895e+000  
I : 9.89047811e-004  
J : -5.59048433e-006  
CTcor : 3.2500e-006  
CPcor : -9.57000000e-008  
Slope : 1.00000000  
Offset : 0.0000

3) Frequency 2, **Pressure, Digiquartz with TC**

Serial number : **53981**  
Calibrated on : 11-Jan-95  
C1 : -4.499337e+004  
C2 : 4.543683e-001  
C3 : 1.505020e-002  
D1 : 3.936600e-002  
D2 : 0.000000e+000  
T1 : 3.004660e+001  
T2 : -1.897714e-004  
T3 : 4.727060e-006  
T4 : 1.923520e-009  
T5 : 0.000000e+000  
Slope : 0.99985000  
Offset : 0.11430  
AD590M : 1.138000e-002  
AD590B : -8.189160e+000

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

Serial number : **0587**  
Calibrated on : 10-Jan-04  
Soc : 3.5840e-001  
Boc : 0.0000  
Offset : -0.4782  
Tcor : 0.0012  
Pcor : 1.35e-004  
Tau : 0.0

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, **Fluorometer, Wetlab CDOM**

Serial number : 1095P  
Calibrated on : 31-Jul-06  
Vblank : 0.058  
Scale factor : 62.000

9) A/D voltage 5, **Transmissometer, Wetlab CStar**

Serial number : **887DR**  
Calibrated on : 13-Feb-06  
M : 21.4500  
B : -1.2870  
Path length : 0.250

10) A/D voltage 6, Free

11) A/D voltage 7, Free

12) SPAR voltage, Unavailable

13) SPAR voltage, **SPAR/Surface Irradiance**

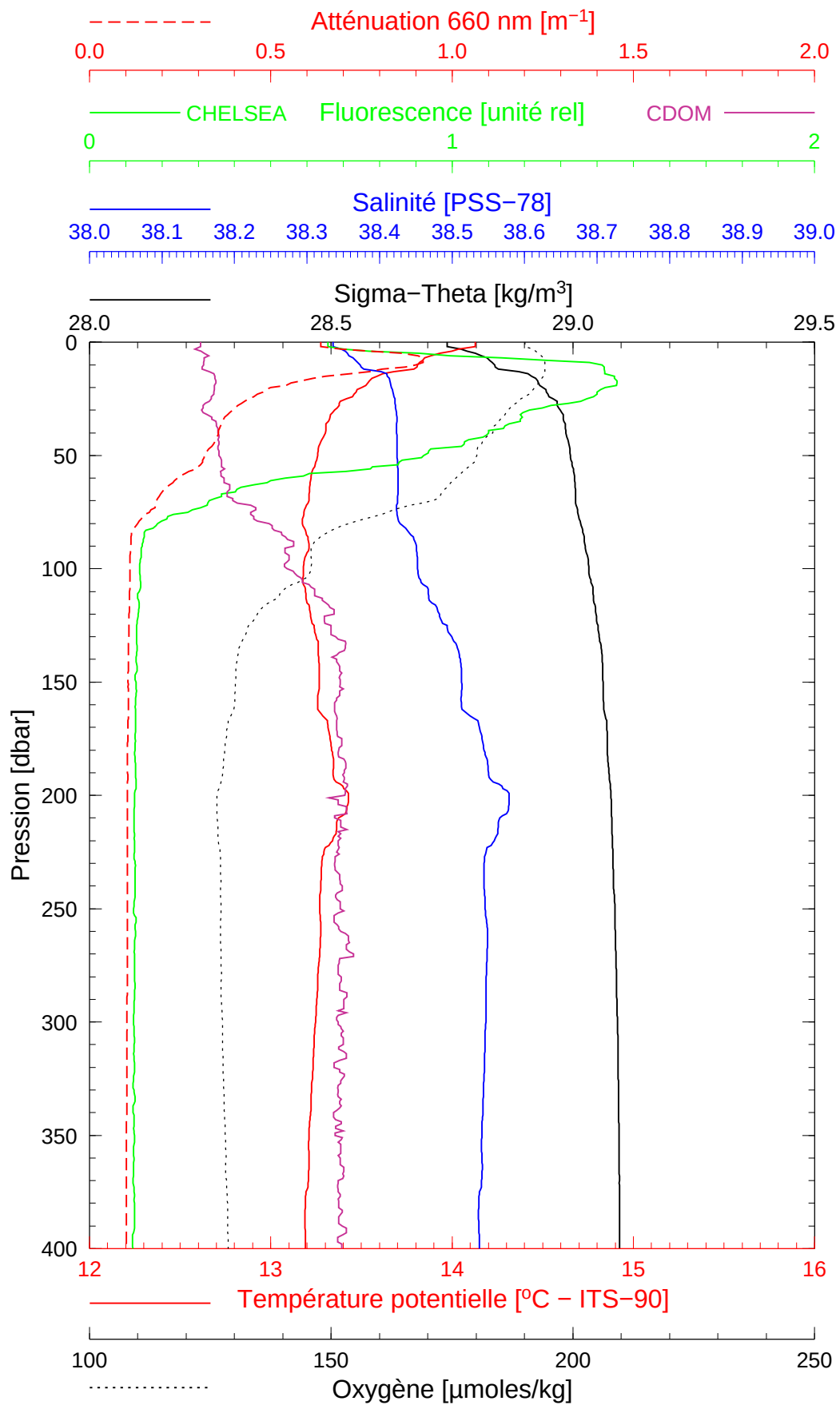
Serial number : **6326**  
Calibrated on : 24-fev-95  
Conversion factor : 753.25000000  
Ratio multiplier : 1.00000000

Boussole 62

16/03/2007

BOUS070316\_01

BOUS001



Date 16/03/2007  
Heure déb 11h 11min [TU]

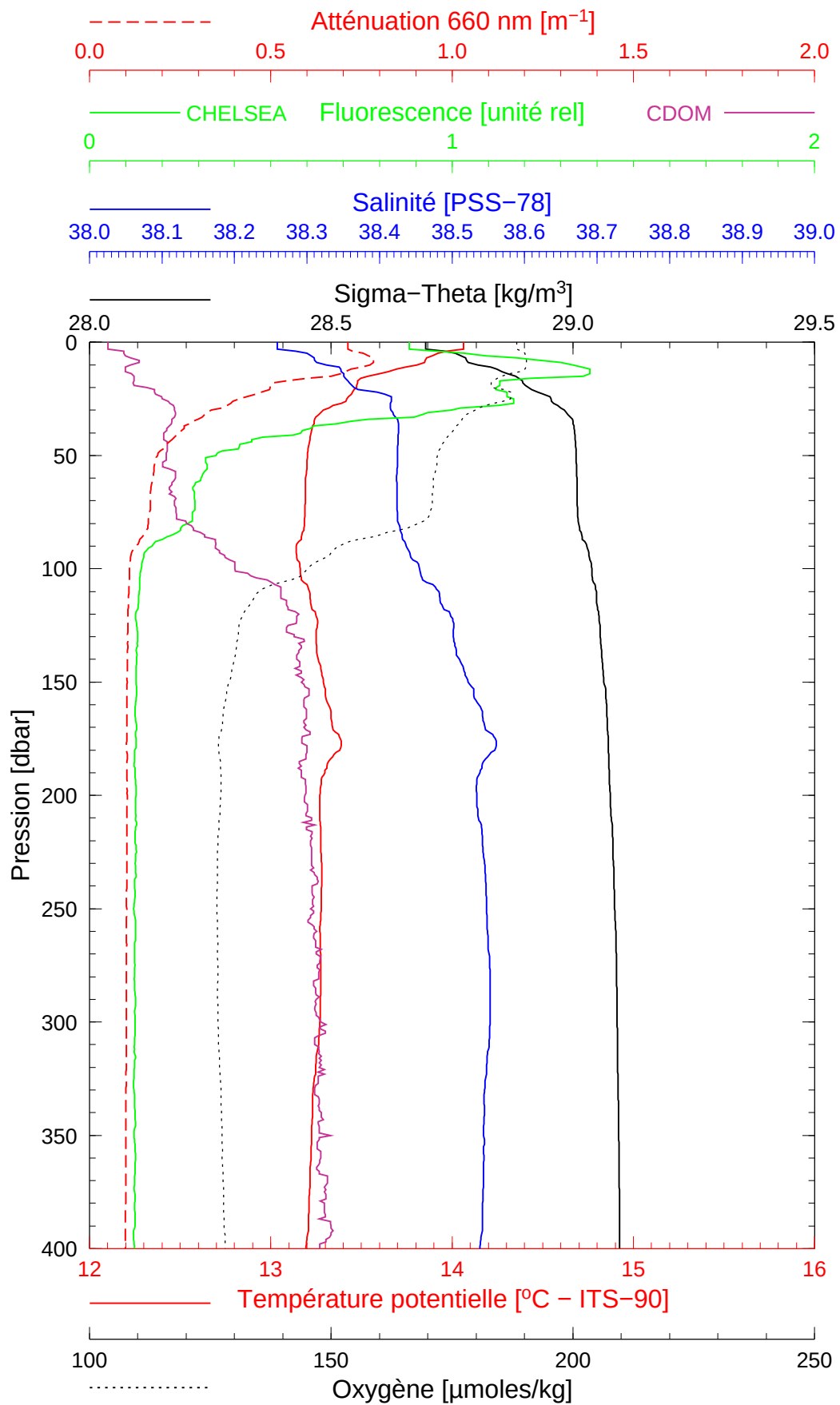
Latitude 43°22.034 N  
Longitude 07°54.552 E

Boussole 62

16/03/2007

BOUS070316\_02

BOUS002



Date 16/03/2007  
Heure déb 15h 16min [TU]

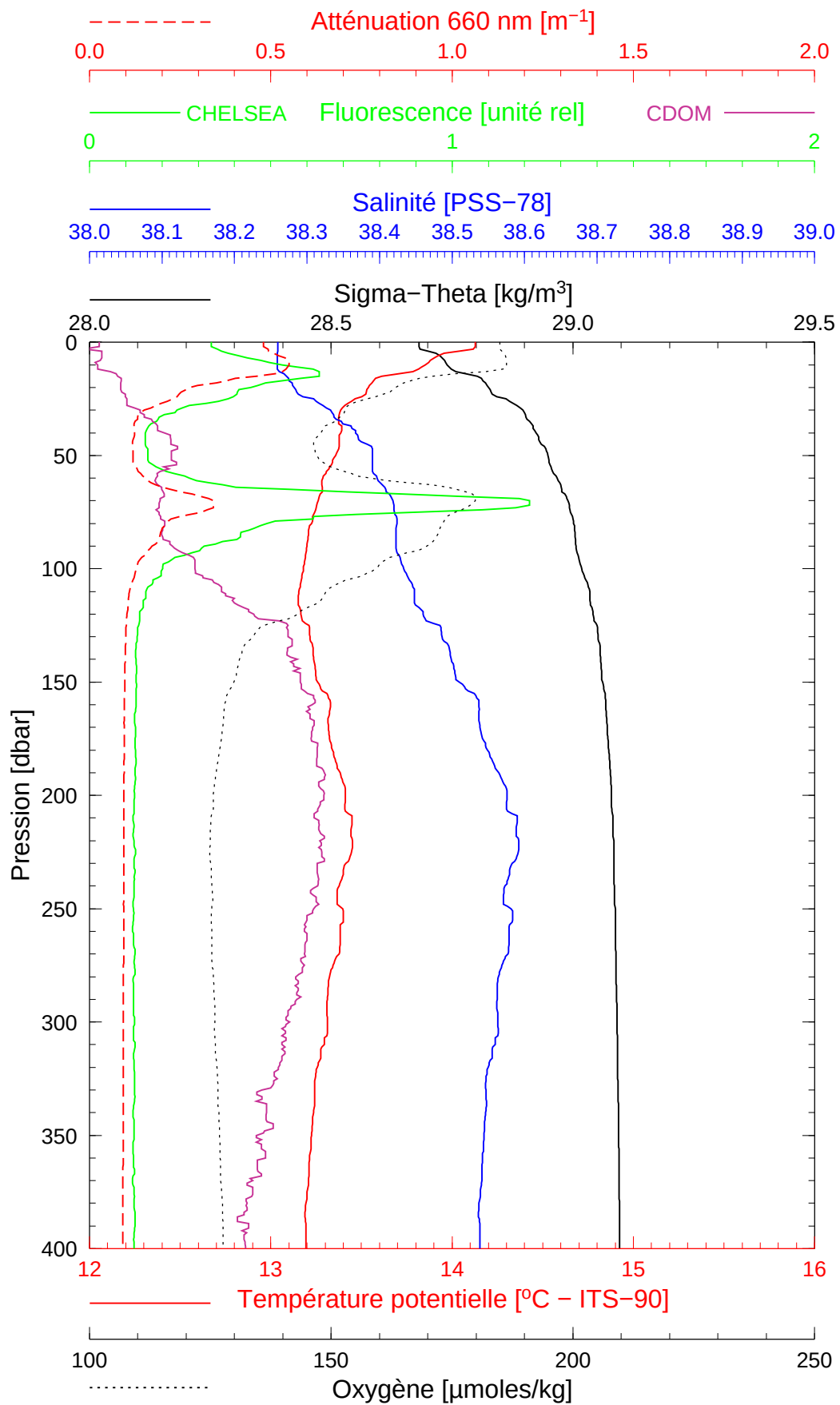
Latitude  $43^{\circ}22.132$  N  
Longitude  $07^{\circ}53.660$  E

Boussole 62

17/03/2007

BOUS070317\_01

BOUS003



Date 17/03/2007  
Heure déb 10h 35min [TU]

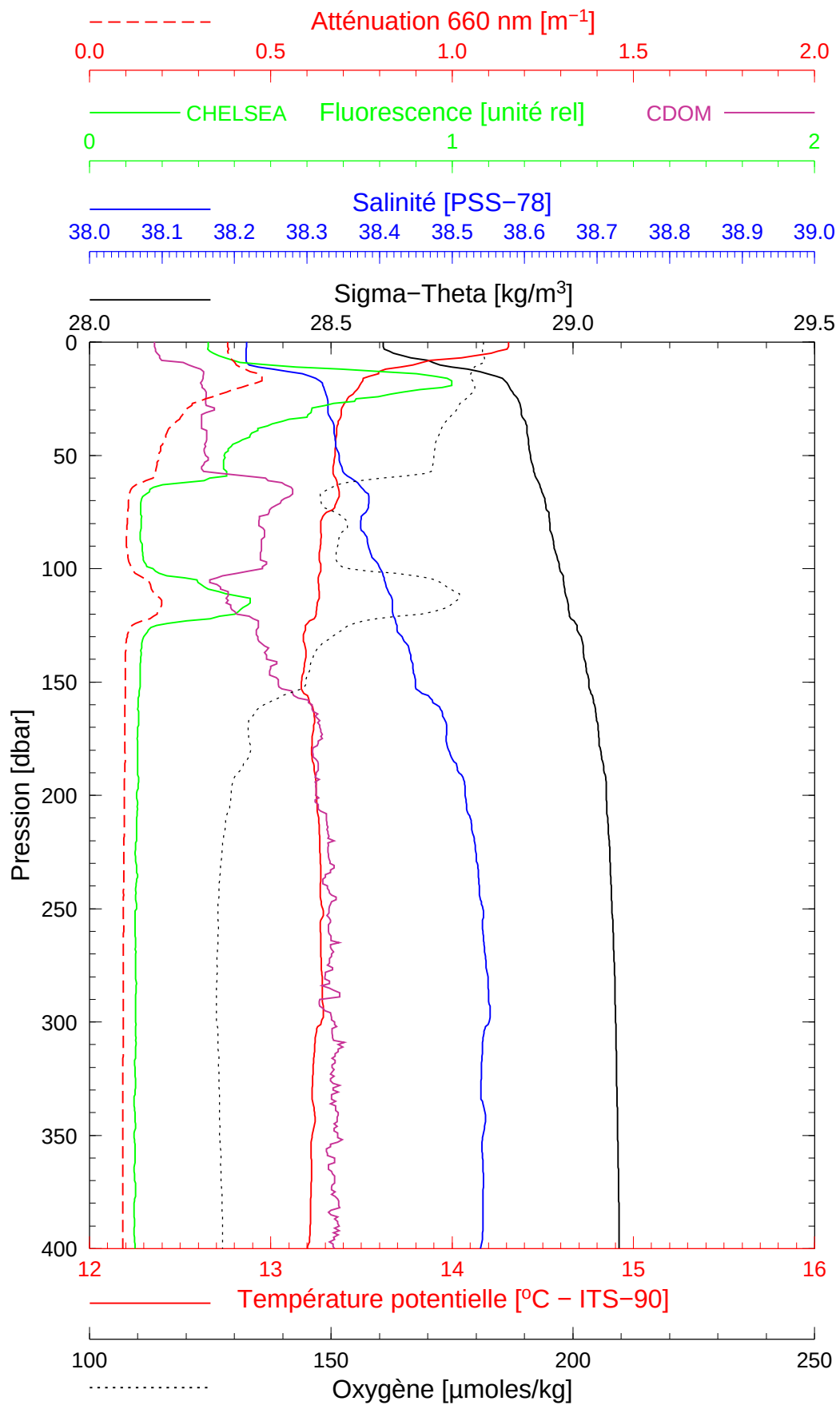
Latitude  $43^{\circ}22.040\text{ N}$   
Longitude  $07^{\circ}53.834\text{ E}$

Boussole 62

17/03/2007

BOUS070317\_02

BOUS004



Date 17/03/2007  
Heure déb 14h 12min [TU]

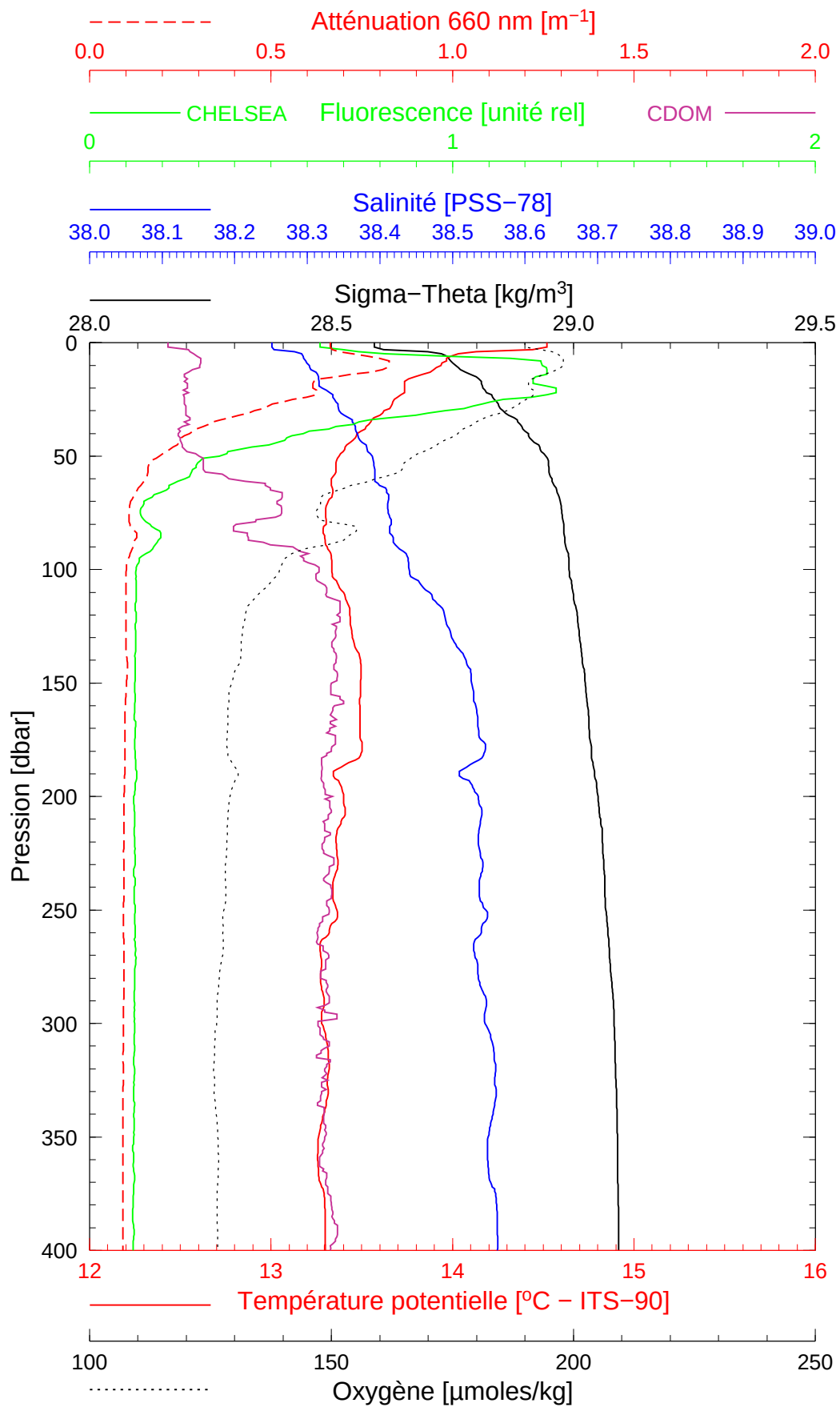
Latitude  $43^{\circ}25.116$  N  
Longitude  $07^{\circ}48.080$  E

Boussole 62

17/03/2007

BOUS070317\_03

BOUS005



Date 17/03/2007  
Heure déb 15h 12min [TU]

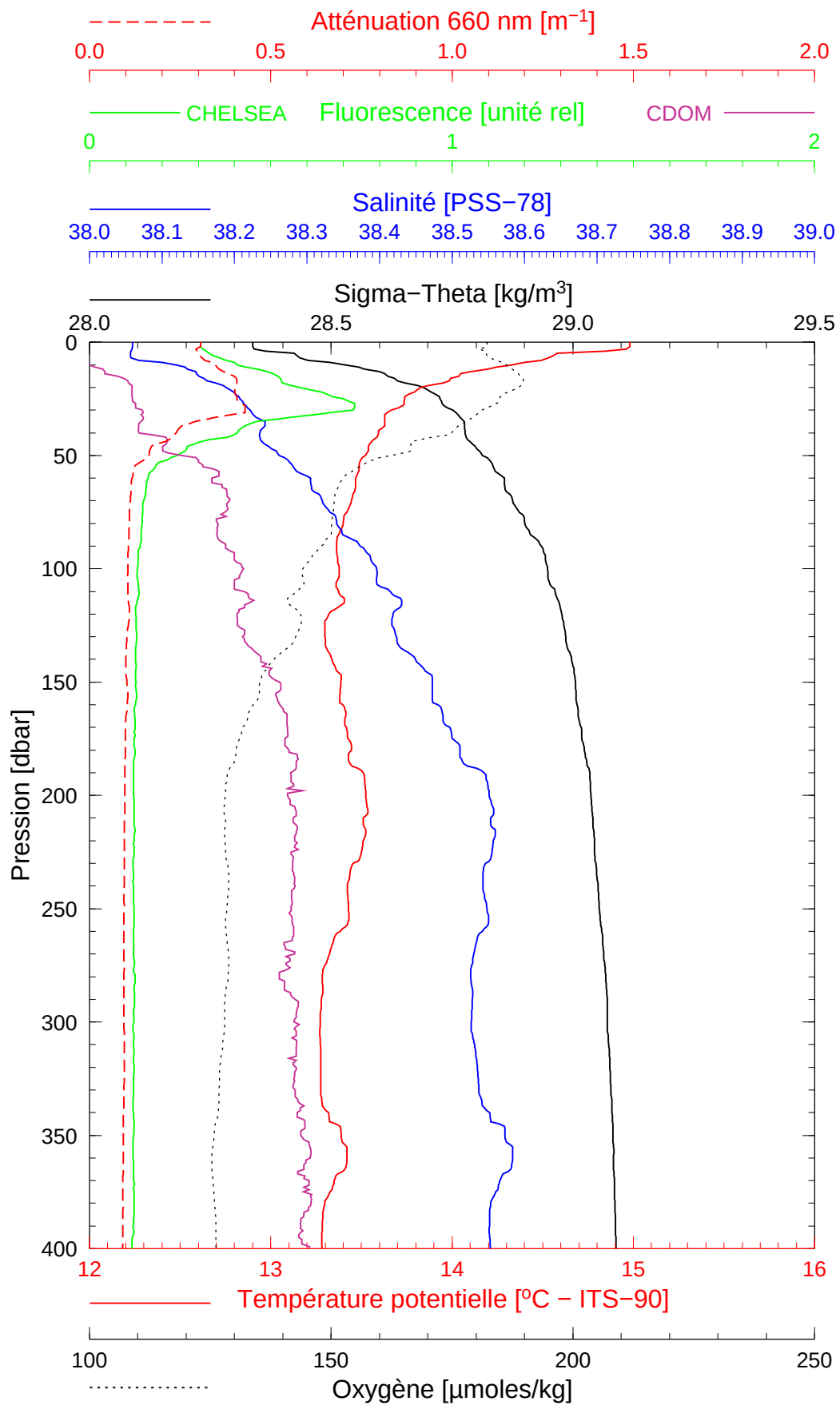
Latitude 43°27.884 N  
Longitude 07°42.316 E

Boussole 62

17/03/2007

BOUS070317\_04

BOUS006



Date 17/03/2007  
Heure déb 16h 12min [TU]

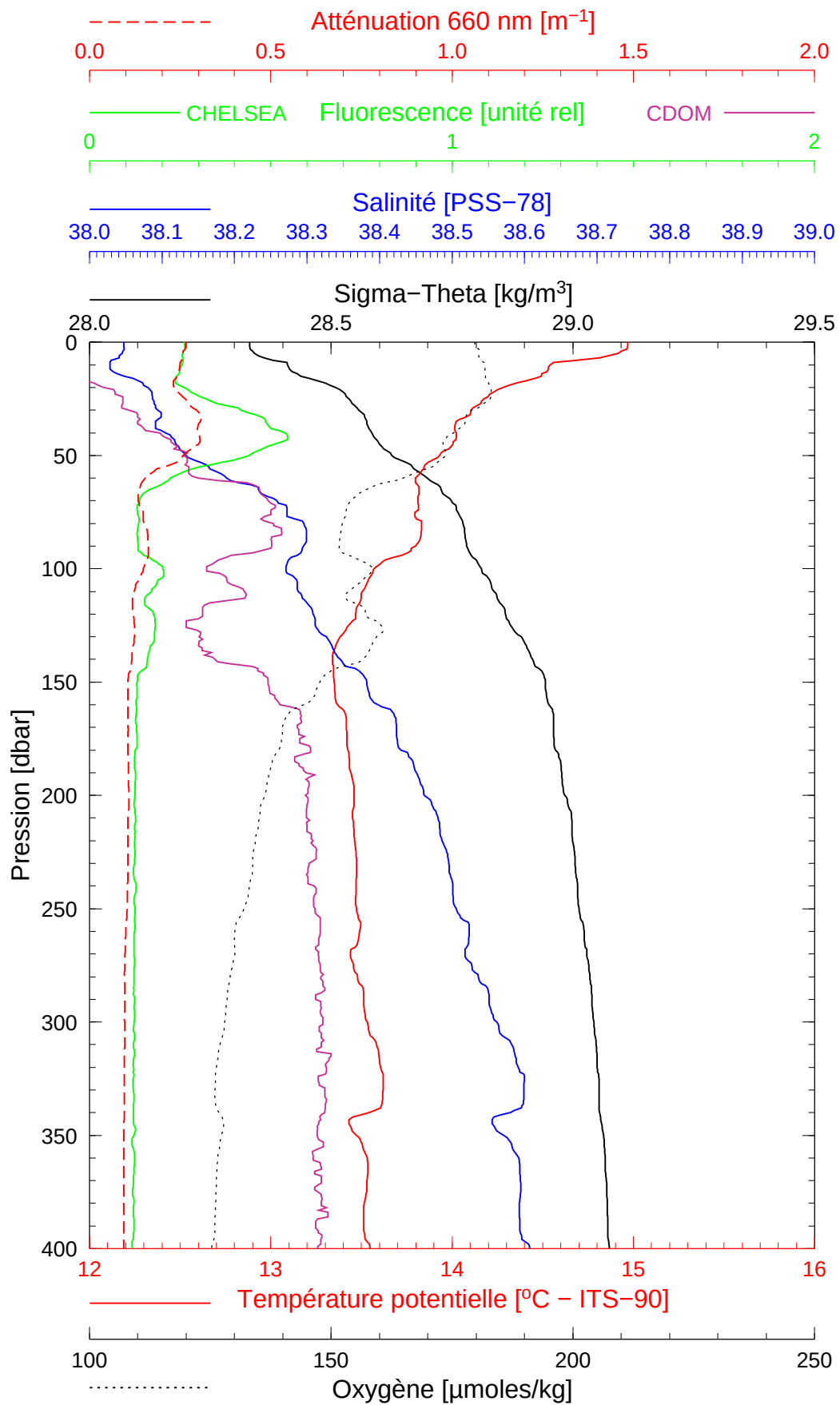
Latitude 43°30.903 N  
Longitude 07°36.895 E

Boussole 62

17/03/2007

BOUS070317\_05

BOUS007



Date 17/03/2007  
Heure déb 17h 15min [TU]

Latitude 43°33.888 N  
Longitude 07°30.880 E

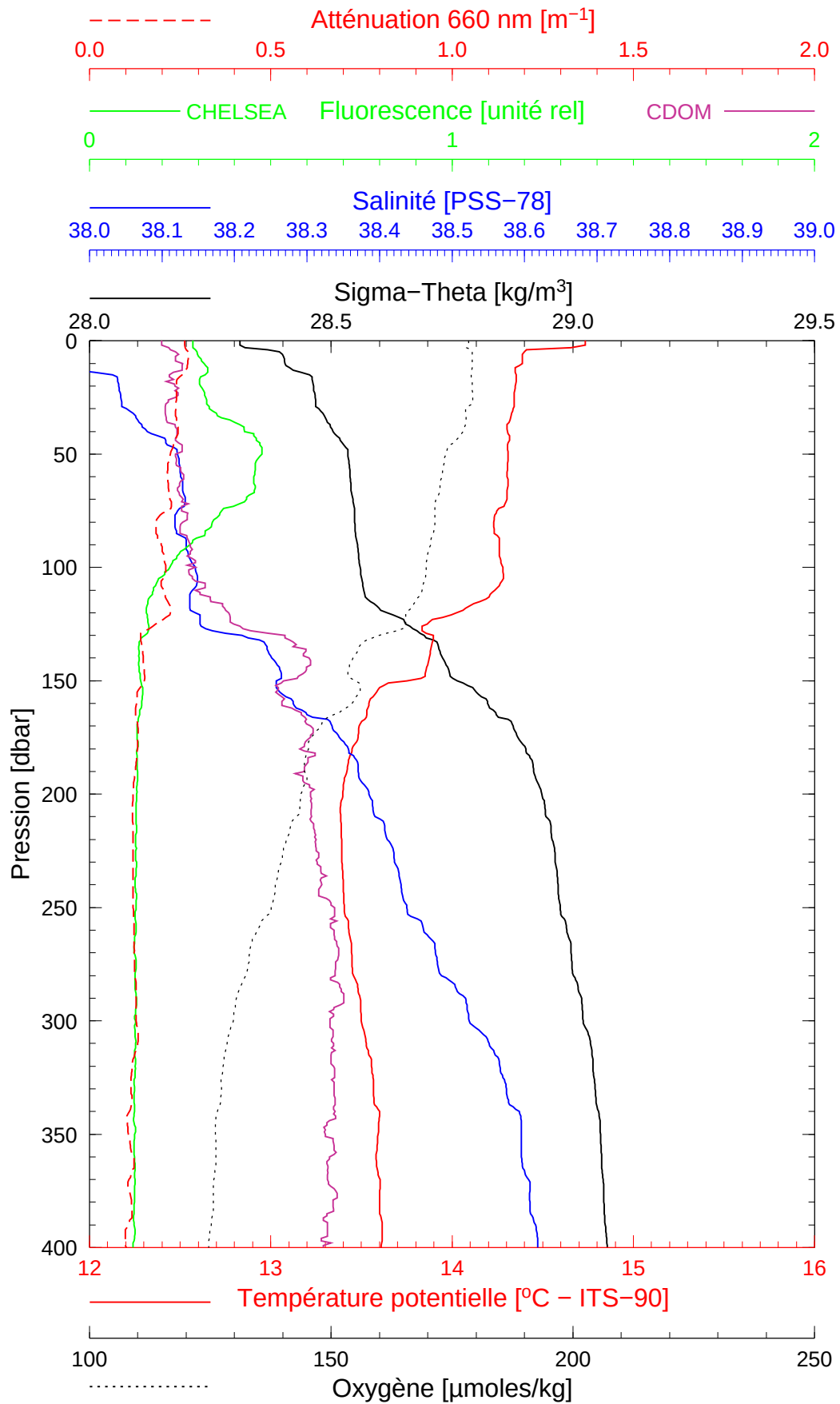


Boussole 62

17/03/2007

BOUS070317\_06

BOUS008



Date 17/03/2007  
Heure déb 18h 16min [TU]

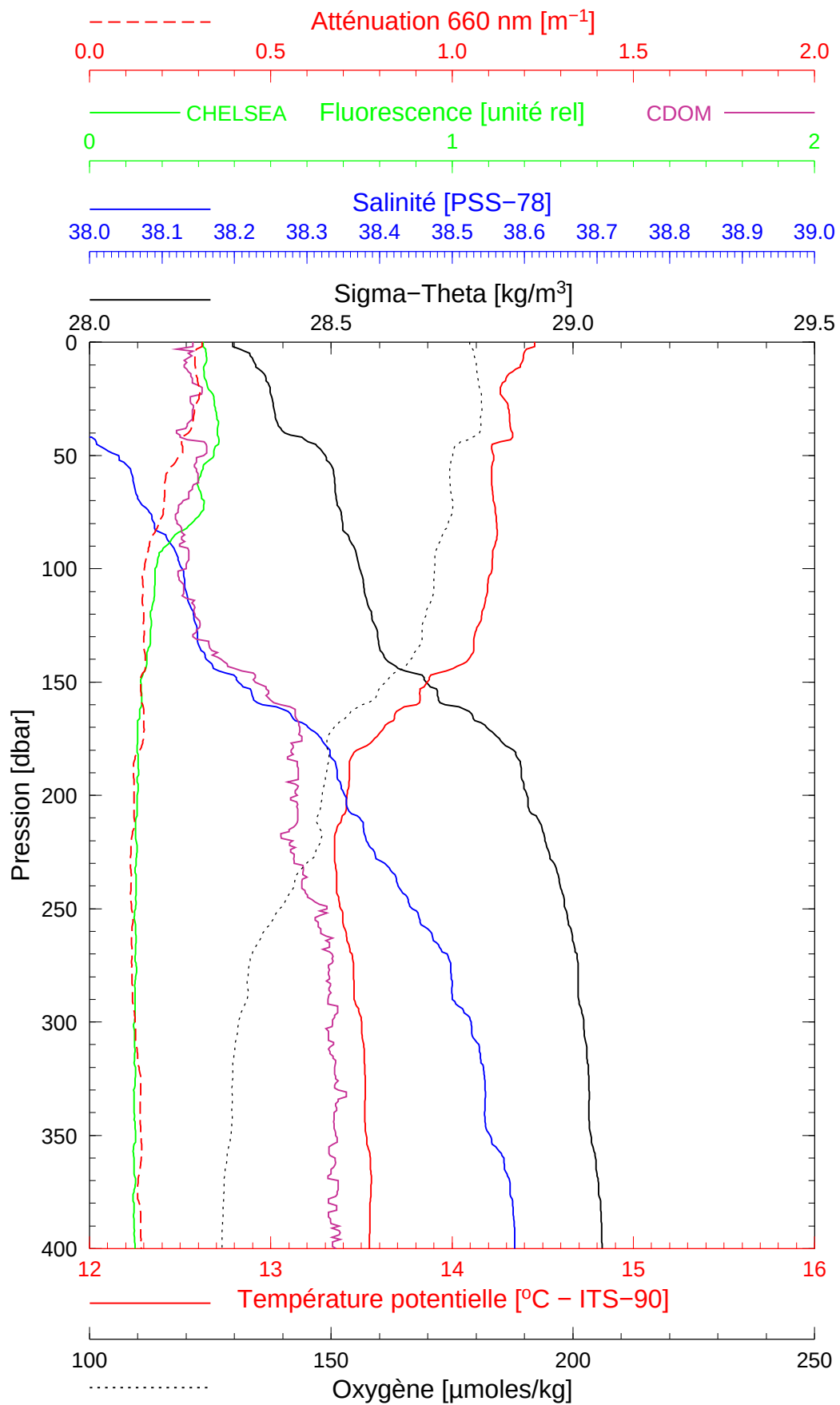
Latitude 43°37.448 N  
Longitude 07°24.800 E

Boussole 62

17/03/2007

BOUS070317\_07

BOUS009



Date 17/03/2007  
Heure déb 19h 05min [TU]

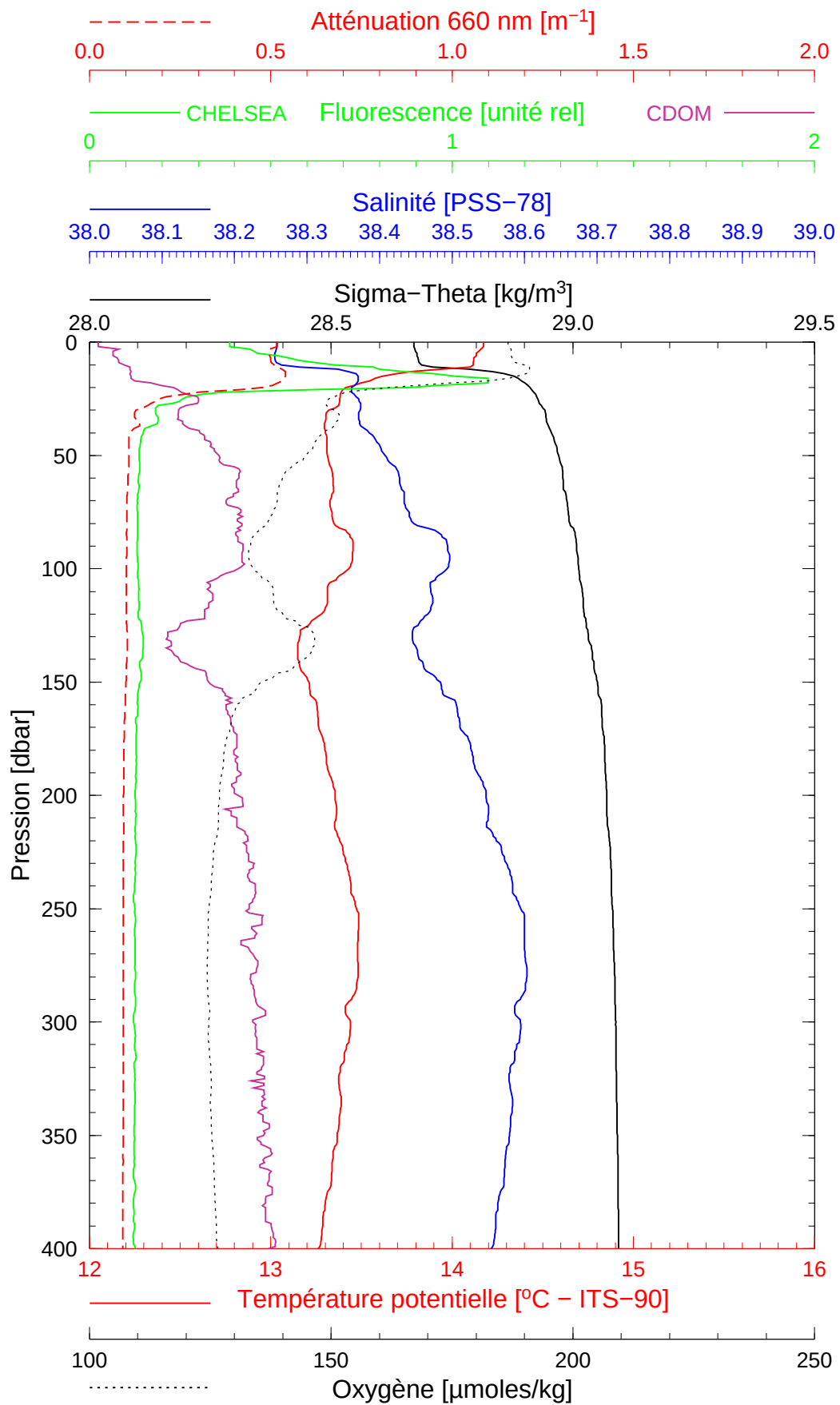
Latitude 43°38.856 N  
Longitude 07°20.634 E

Boussole 62

18/03/2007

BOUS070318\_01

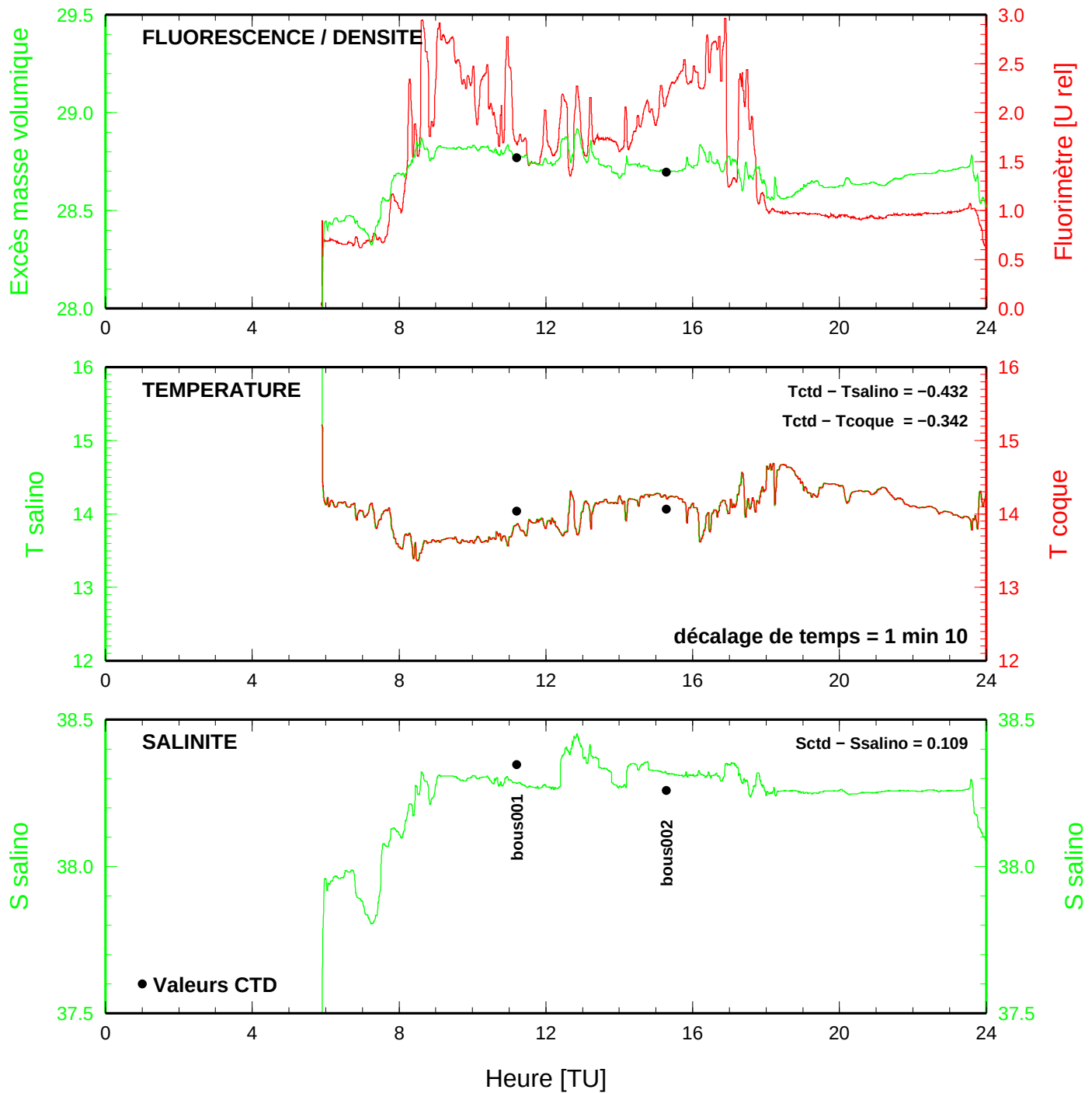
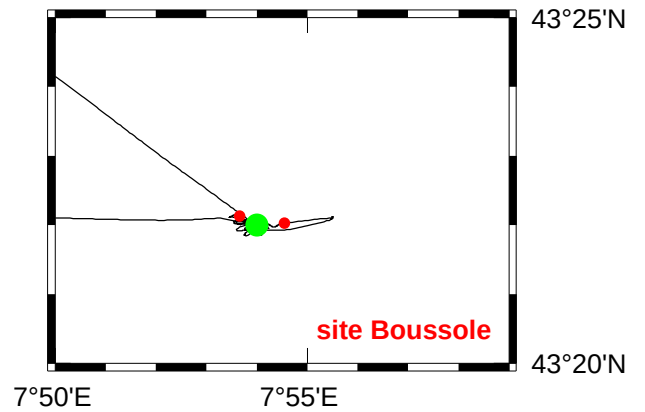
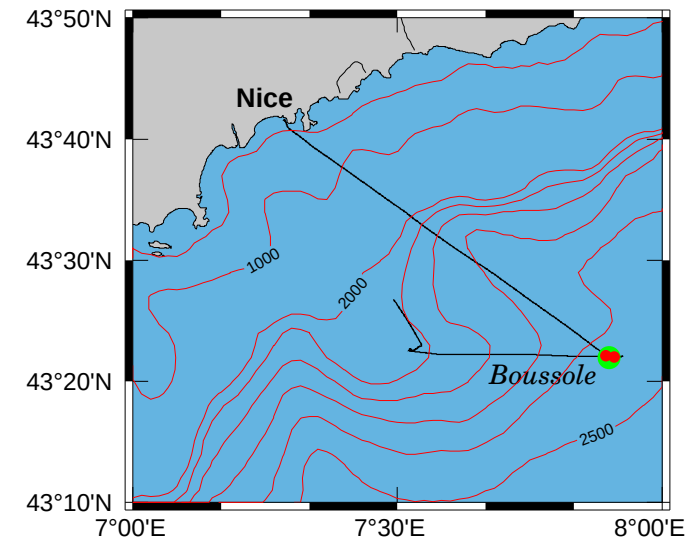
BOUS010



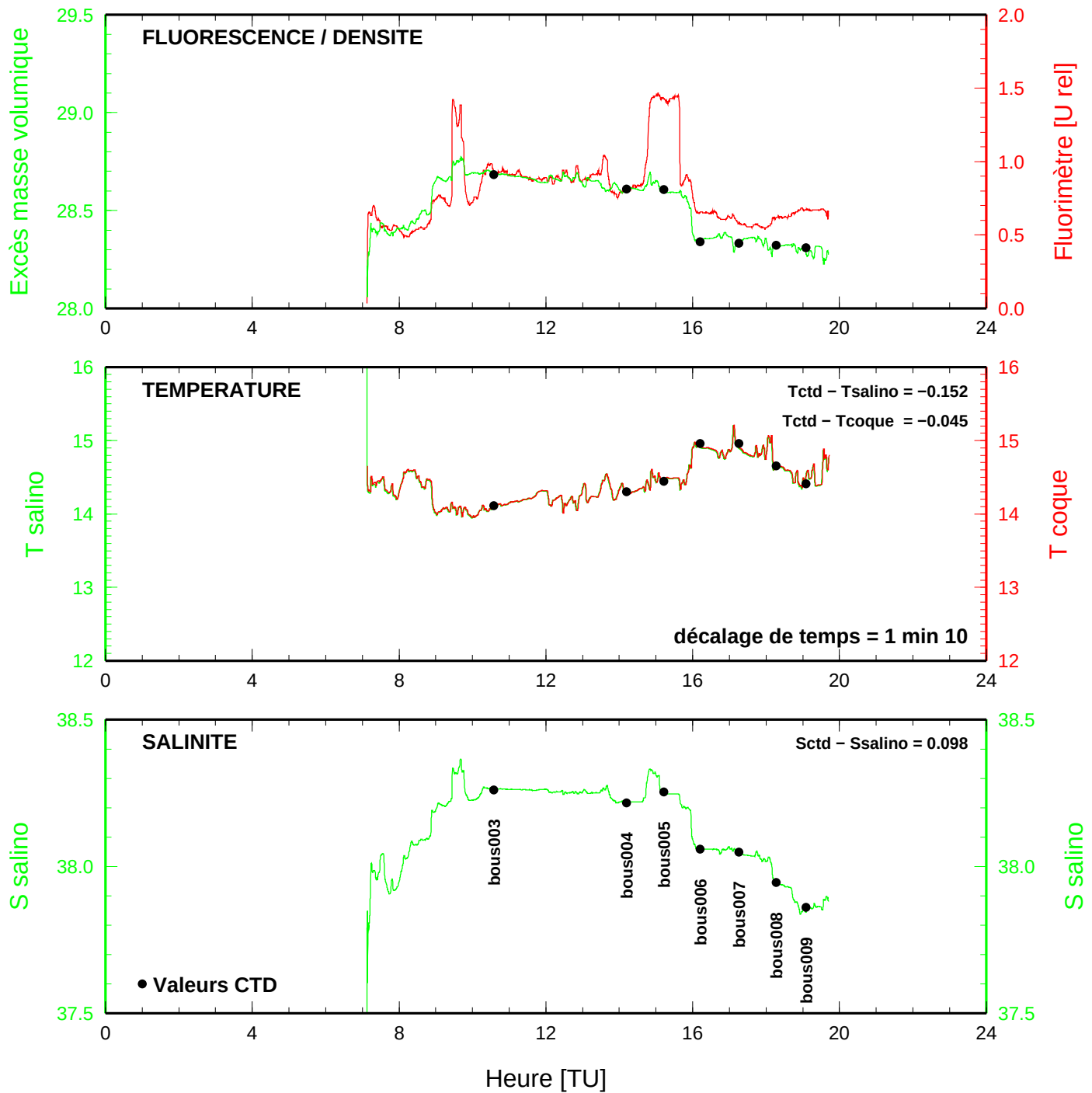
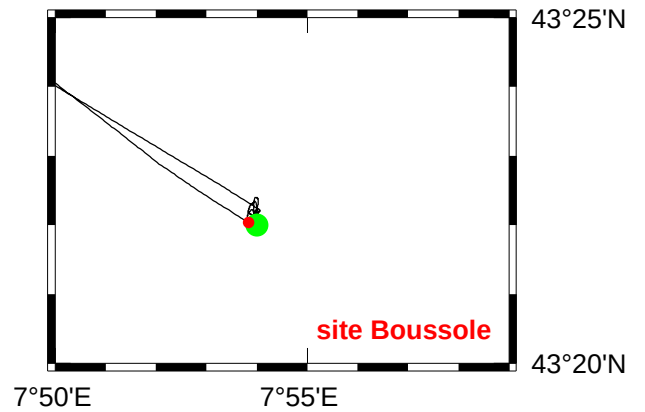
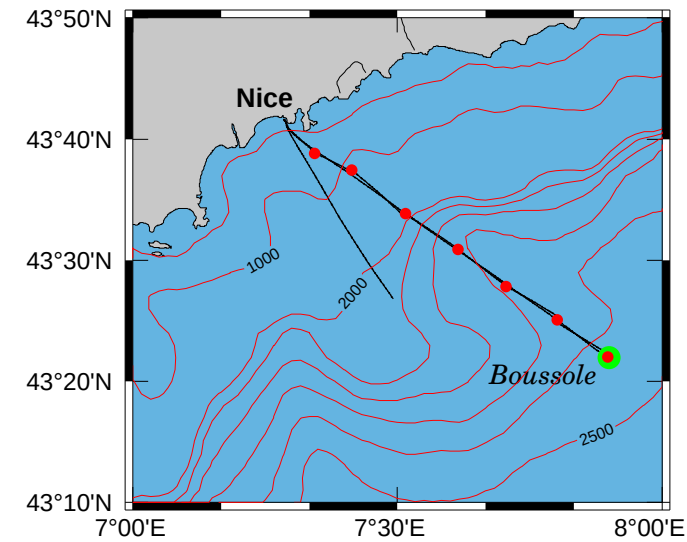
Date 18/03/2007  
Heure déb 09h 19min [TU]

Latitude 43°22.140 N  
Longitude 07°53.820 E

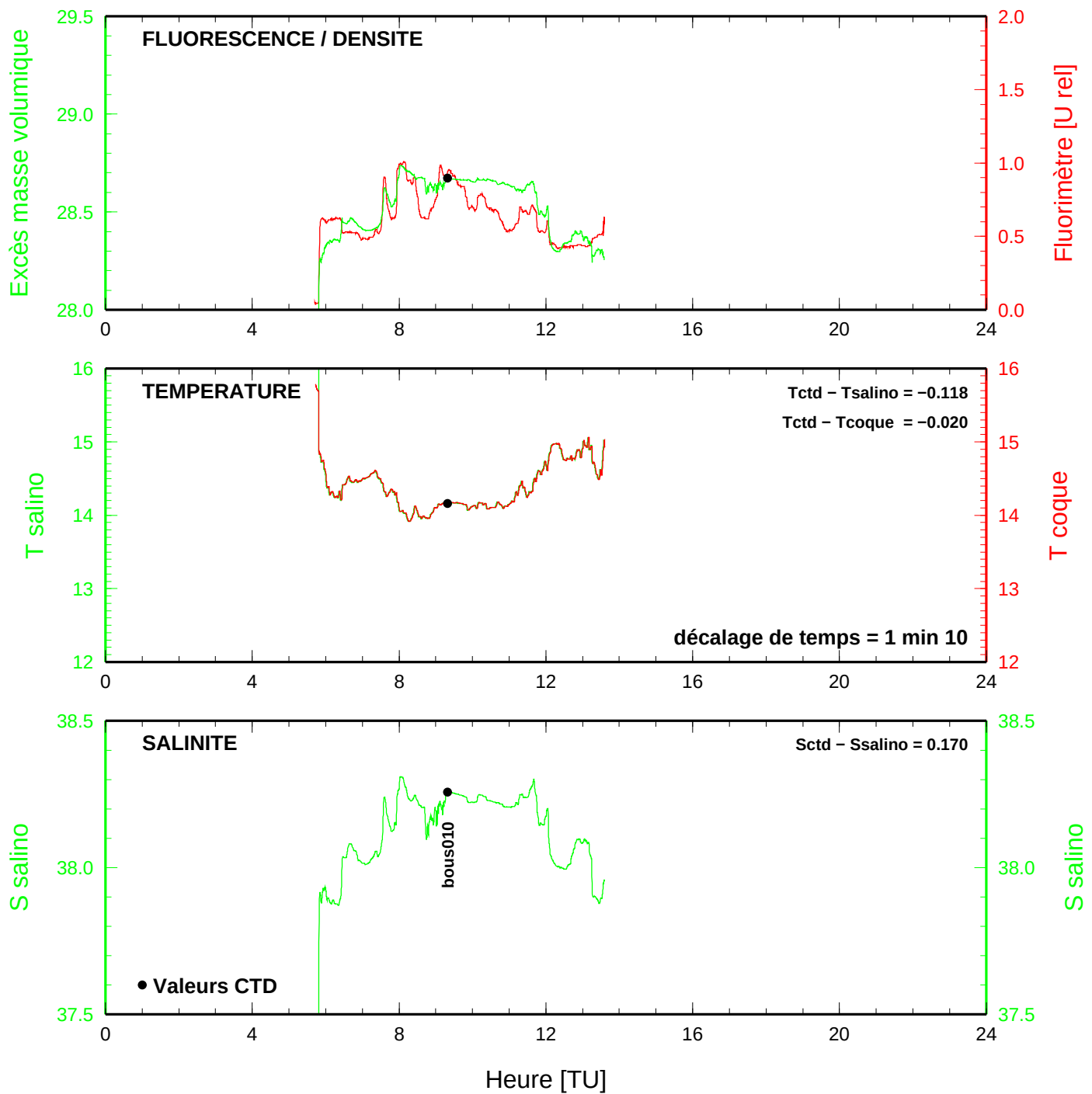
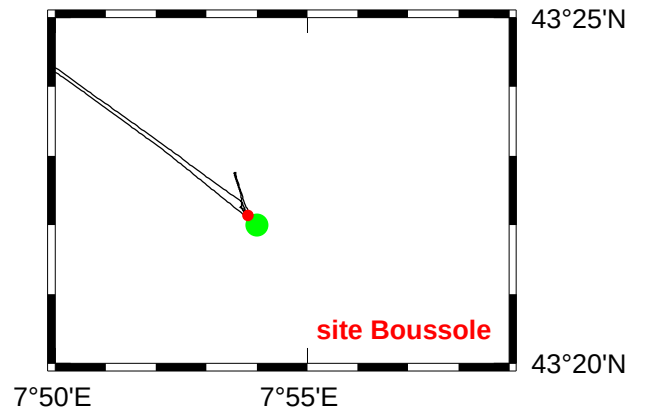
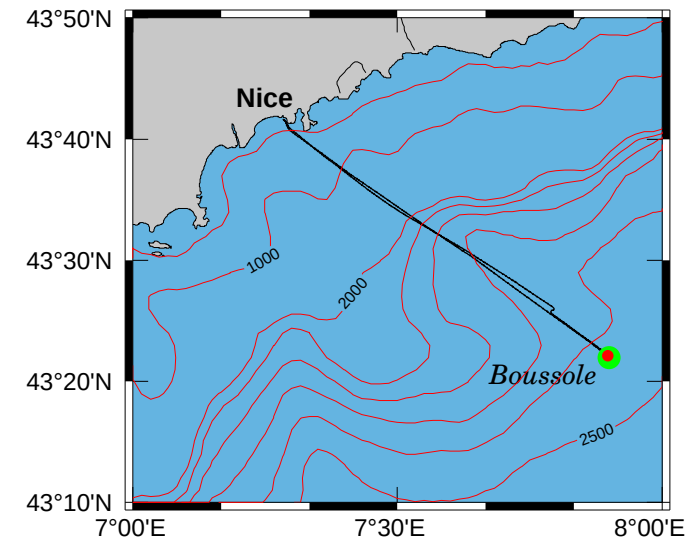
# BOUSSOLE 62 16 mars 2007

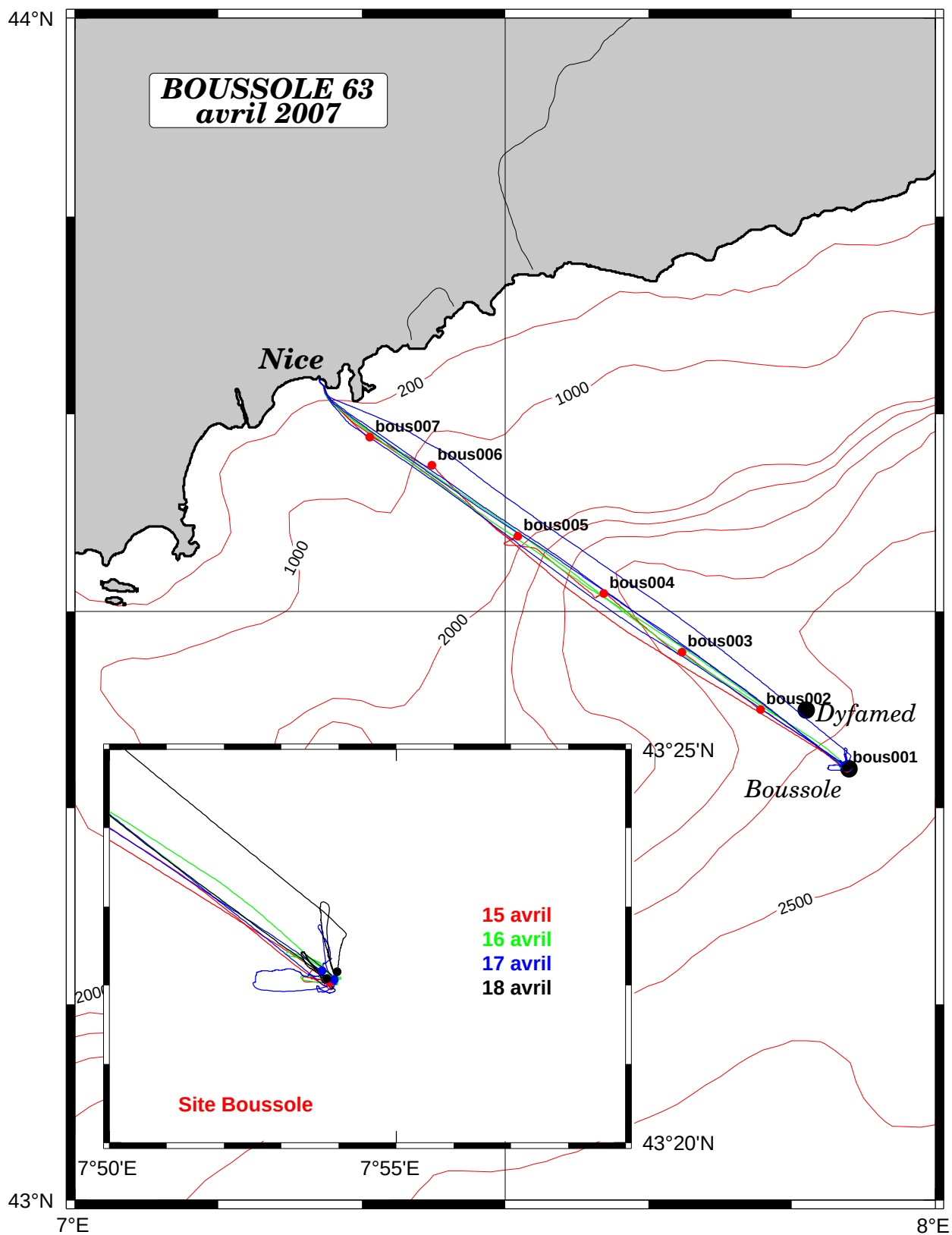


# BOUSSOLE 62 17 mars 2007



# BOUSSOLE 62 18 mars 2007



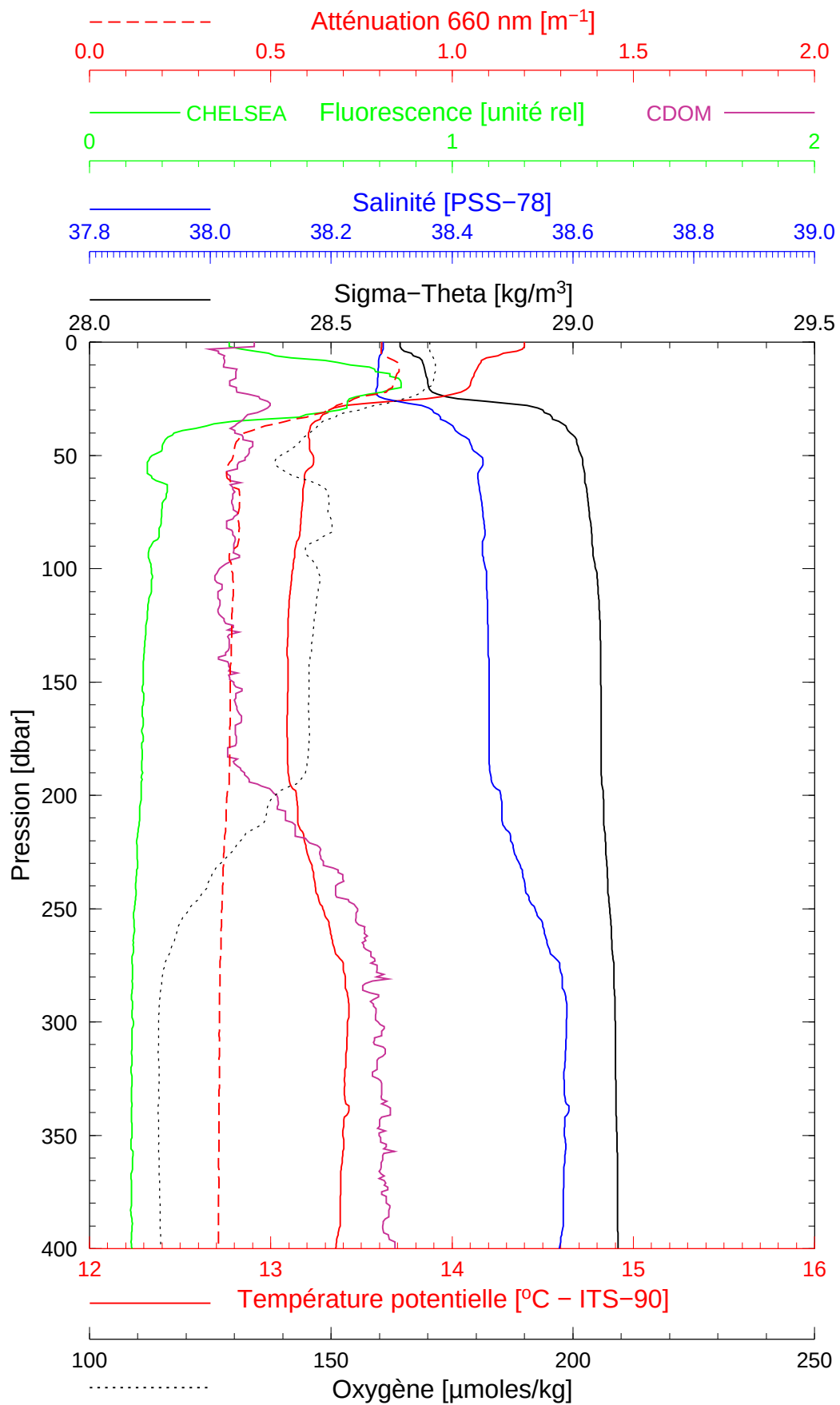


Boussole 63

15/04/2007

BOUS070415\_01

BOUS001



Date 15/04/2007  
Heure déb 13h 27min [TU]

Latitude 43°22.039 N  
Longitude 07°53.840 E

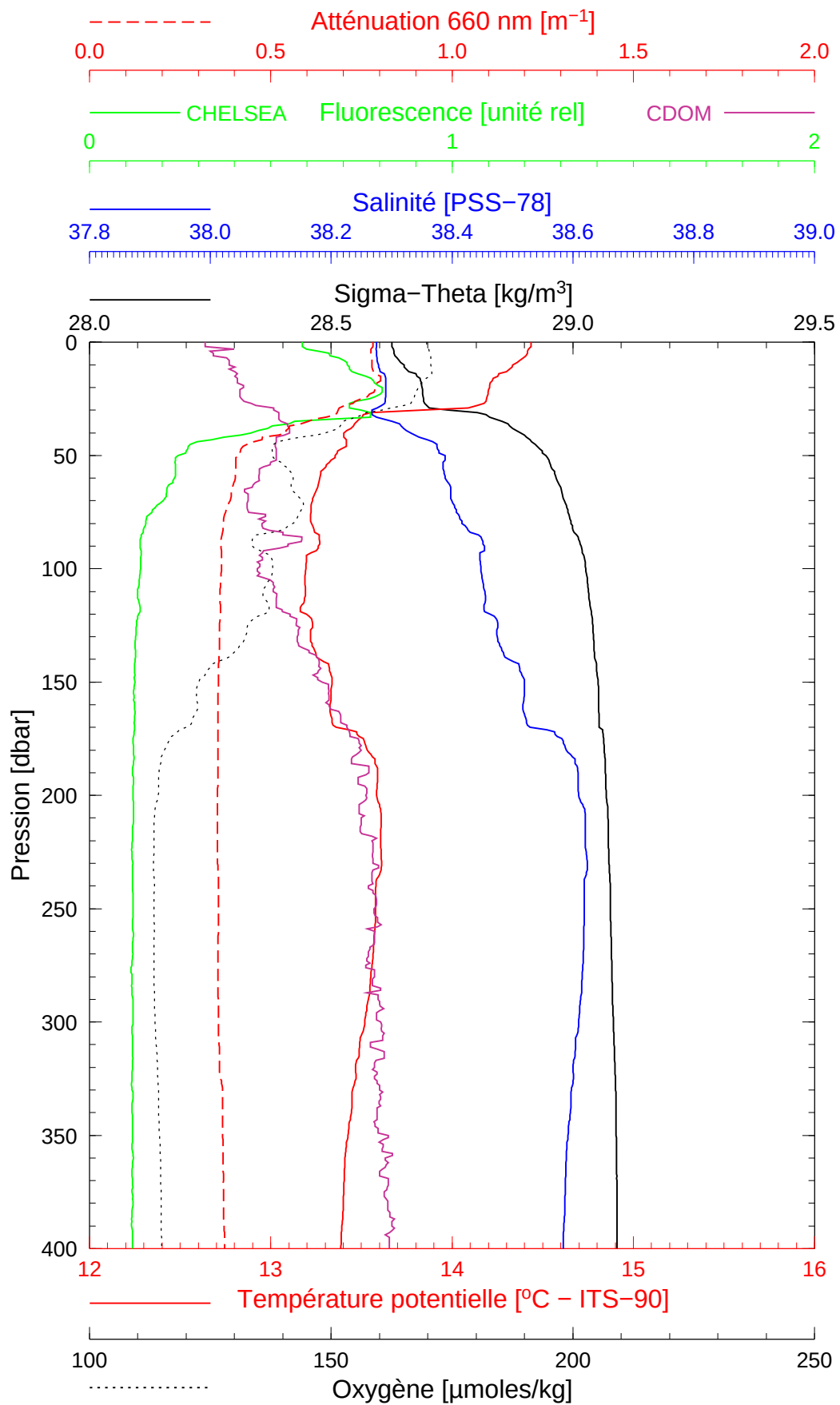


Boussole 63

15/04/2007

BOUS070415\_02

BOUS002



Date 15/04/2007  
Heure déb 14h 57min [TU]

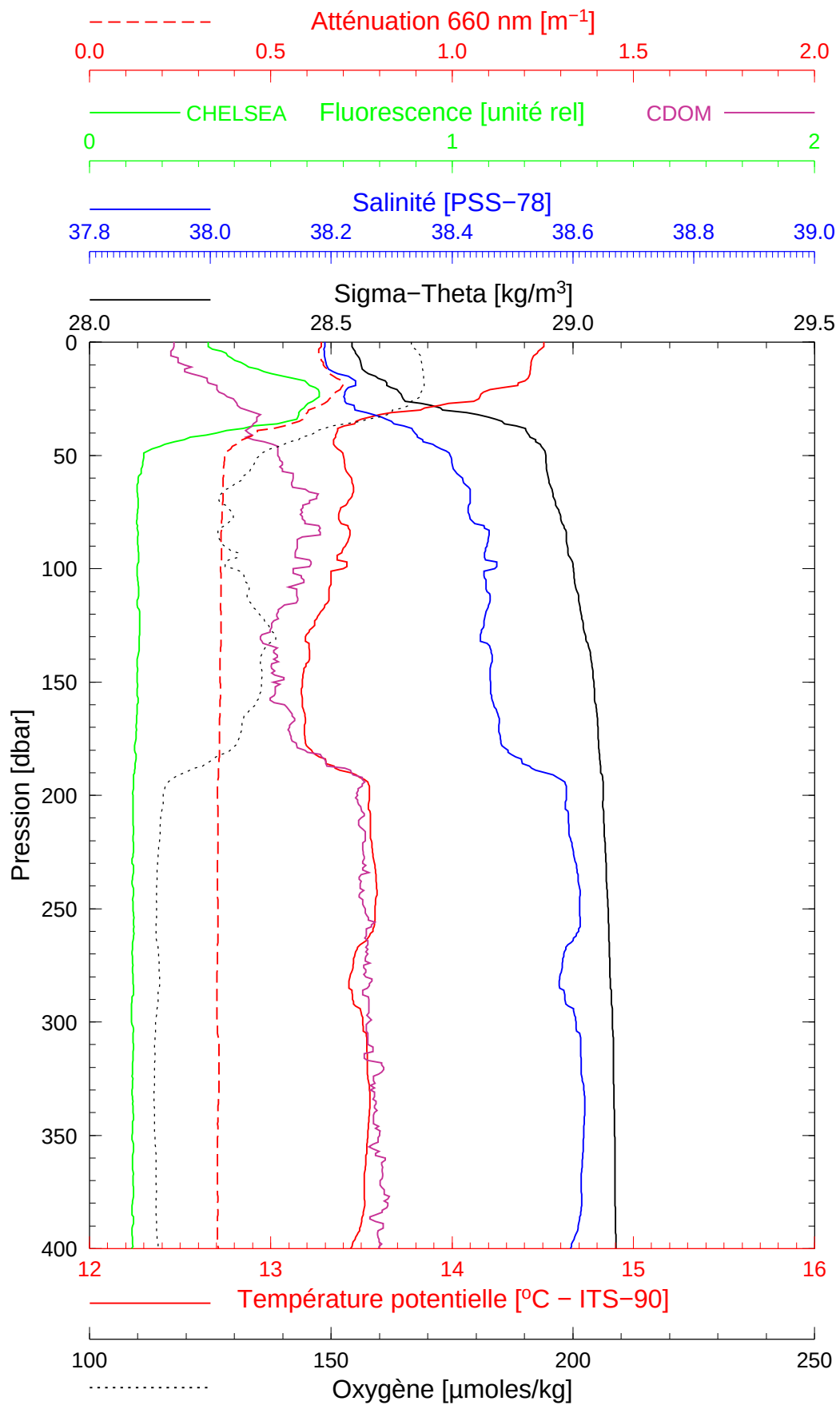
Latitude 43°25.030 N  
Longitude 07°47.818 E

Boussole 63

15/04/2007

BOUS070415\_03

BOUS003



Date 15/04/2007  
Heure déb 15h 57min [TU]

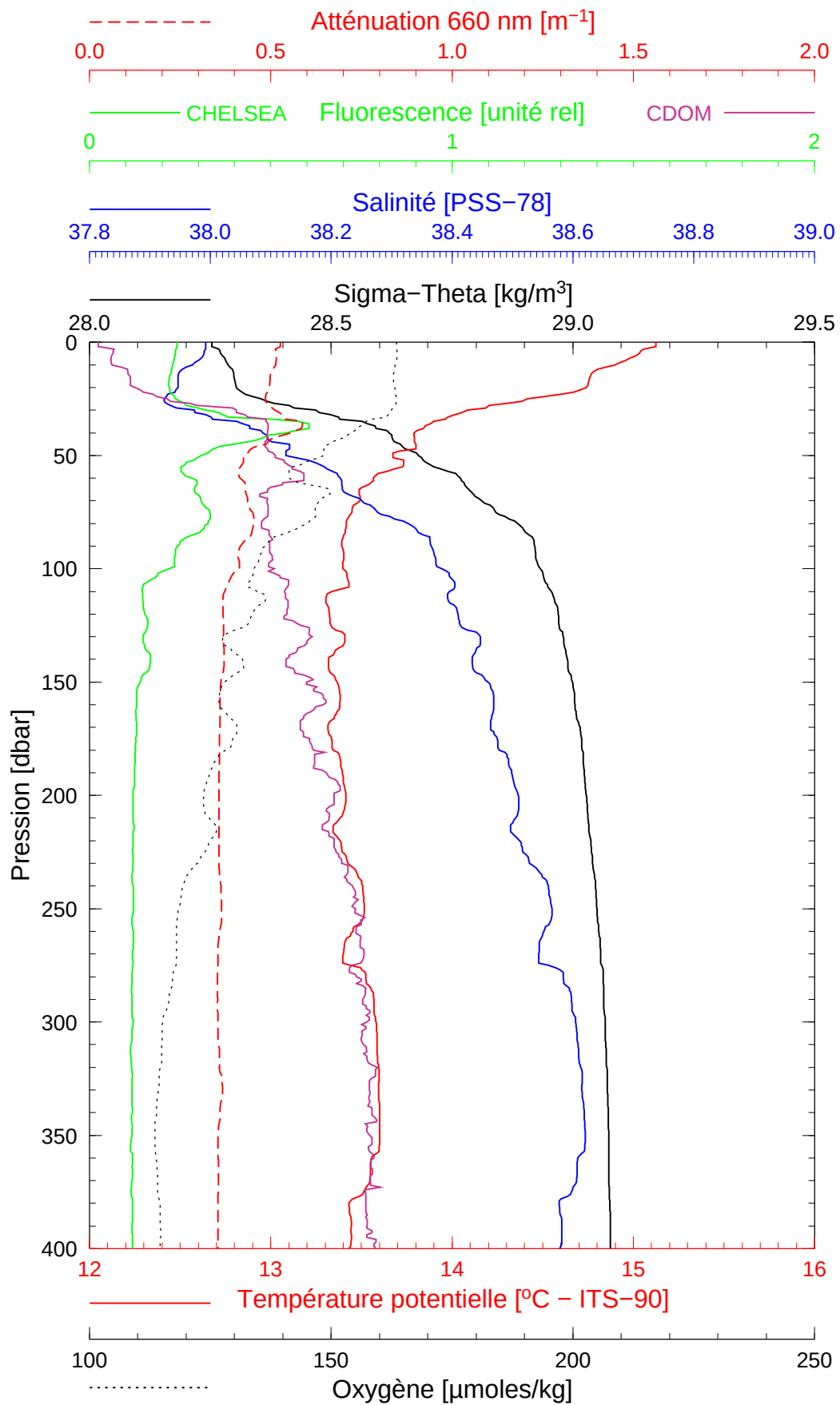
Latitude  $43^{\circ}27.921\text{ N}$   
Longitude  $07^{\circ}42.323\text{ E}$

Boussole 63

15/04/2007

BOUS070415\_04

BOUS004



Date 15/04/2007  
Heure déb 17h 01min [TUJ]

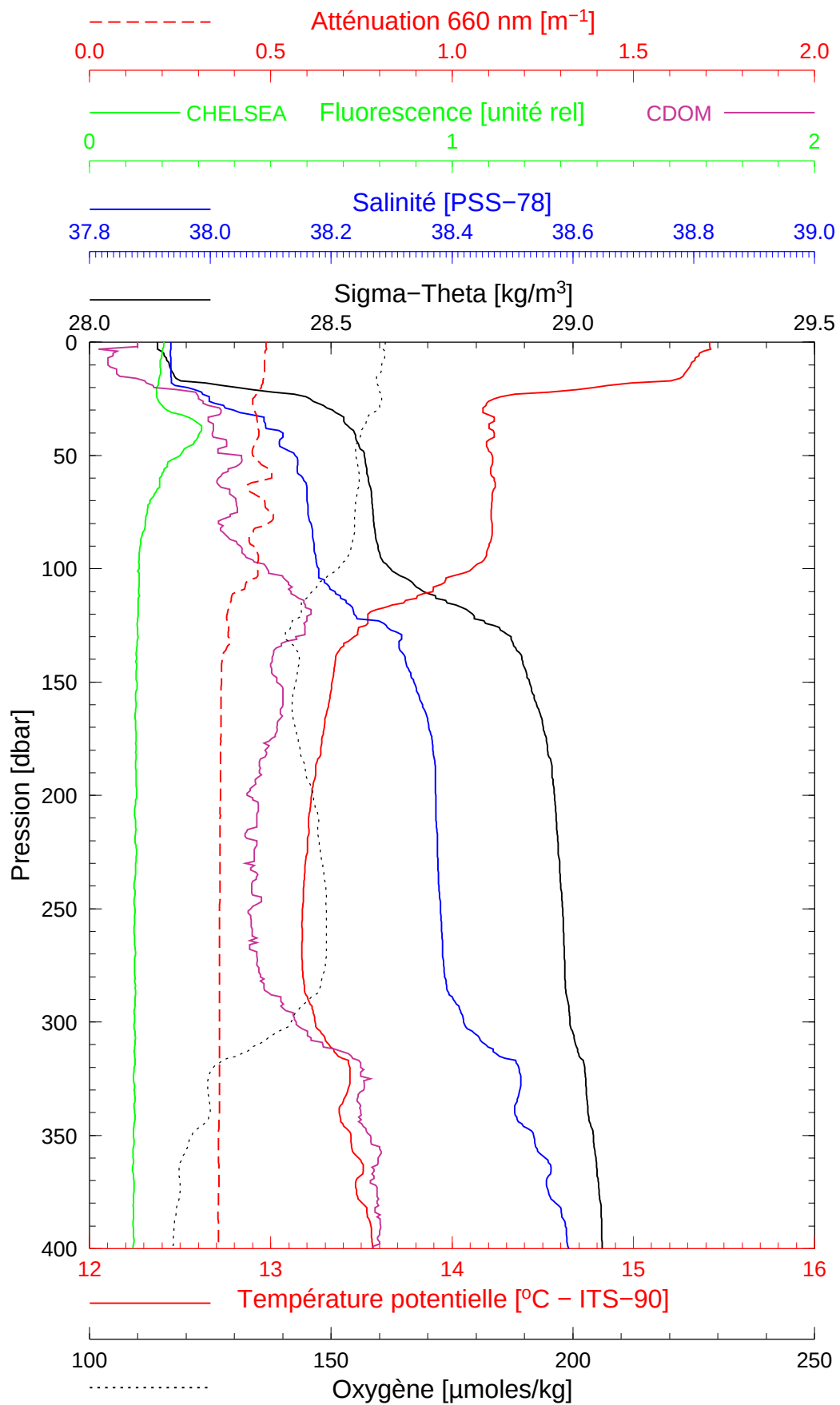
Latitude 43°30.923 N  
Longitude 07°36.879 E

Boussole 63

15/04/2007

BOUS070415\_05

BOUS005



Date 15/04/2007  
Heure déb 18h 08min [TU]

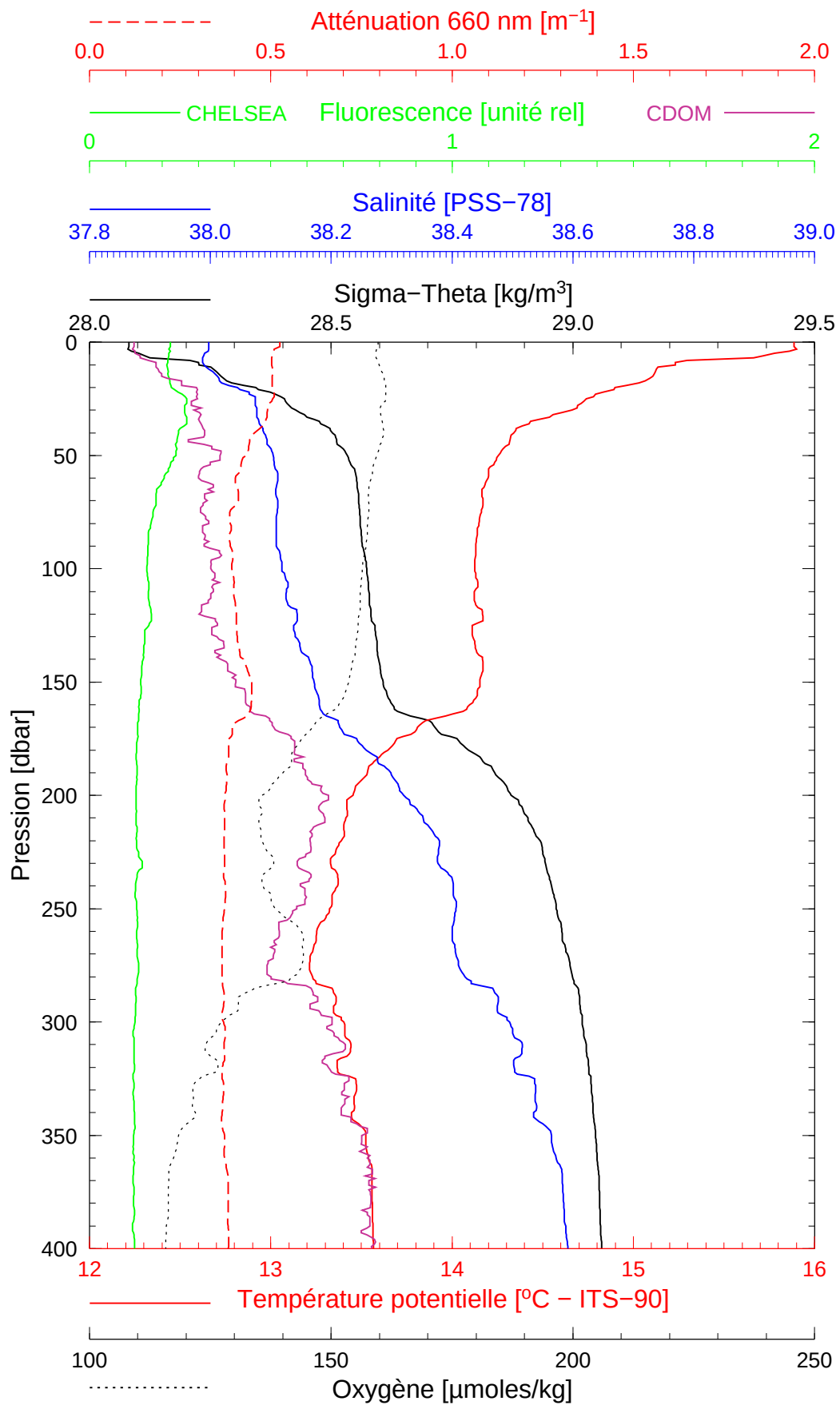
Latitude  $43^{\circ}33.830$  N  
Longitude  $07^{\circ}30.898$  E

Boussole 63

15/04/2007

BOUS070415\_06

BOUS006



Date 15/04/2007  
Heure déb 19h 16min [TUJ]

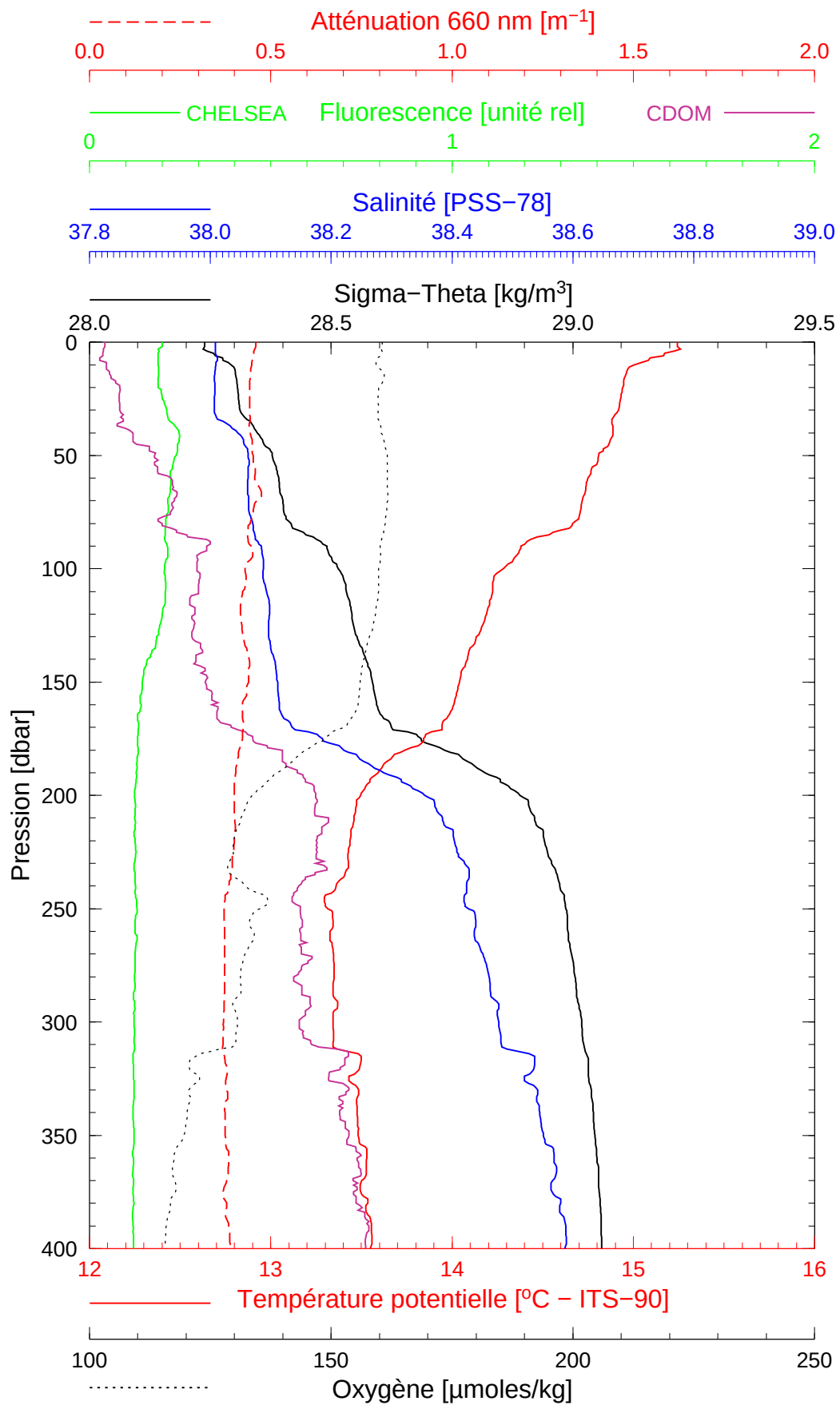
Latitude 43°37.413 N  
Longitude 07°24.889 E

Boussole 63

15/04/2007

BOUS070415\_07

BOUS007



Date 15/04/2007  
Heure déb 20h 10min [TUJ]

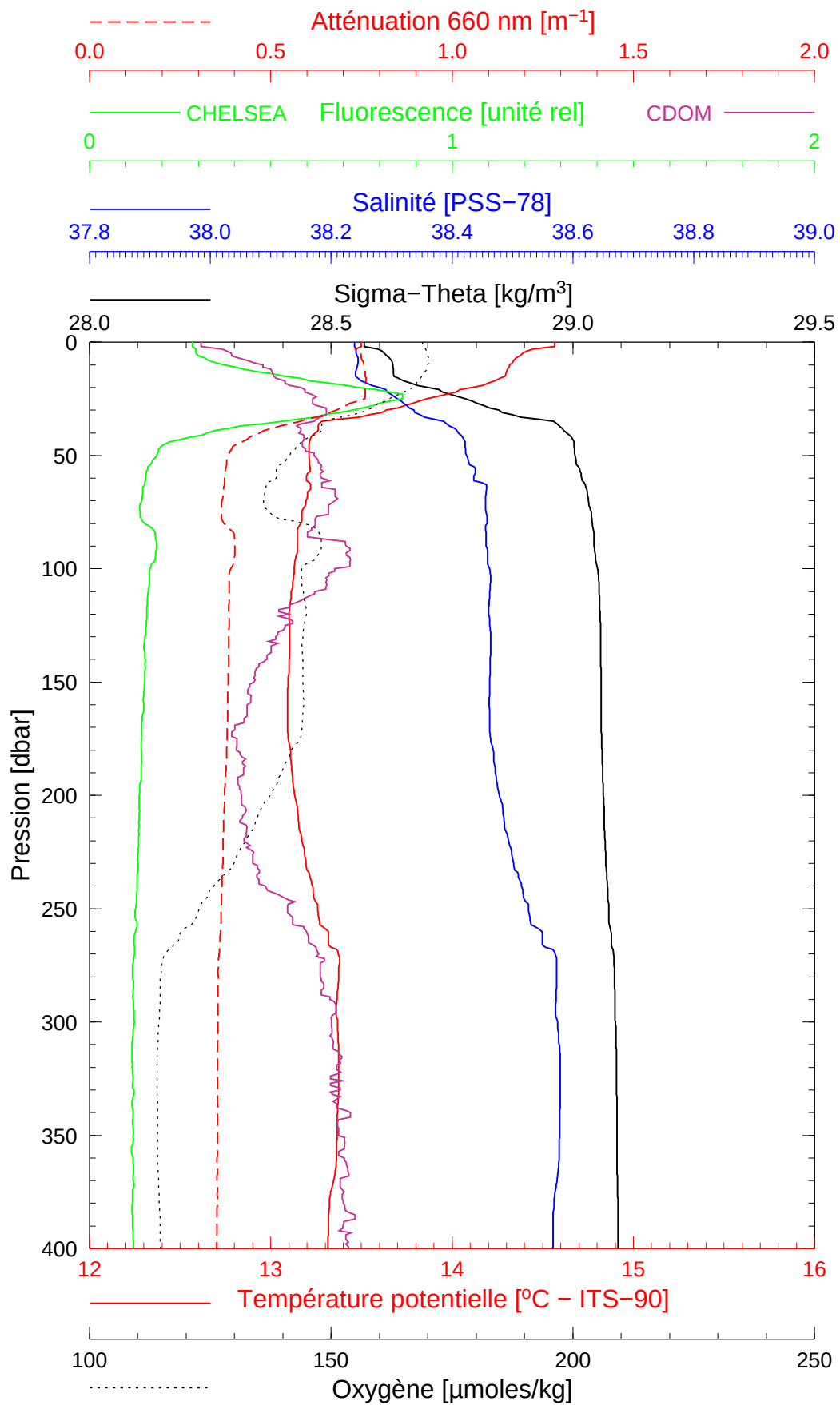
Latitude 43°38.838 N  
Longitude 07°20.553 E

Boussole 63

16/04/2007

BOUS070416\_01

BOUS008



Date 16/04/2007  
Heure déb 09h 29min [TU]

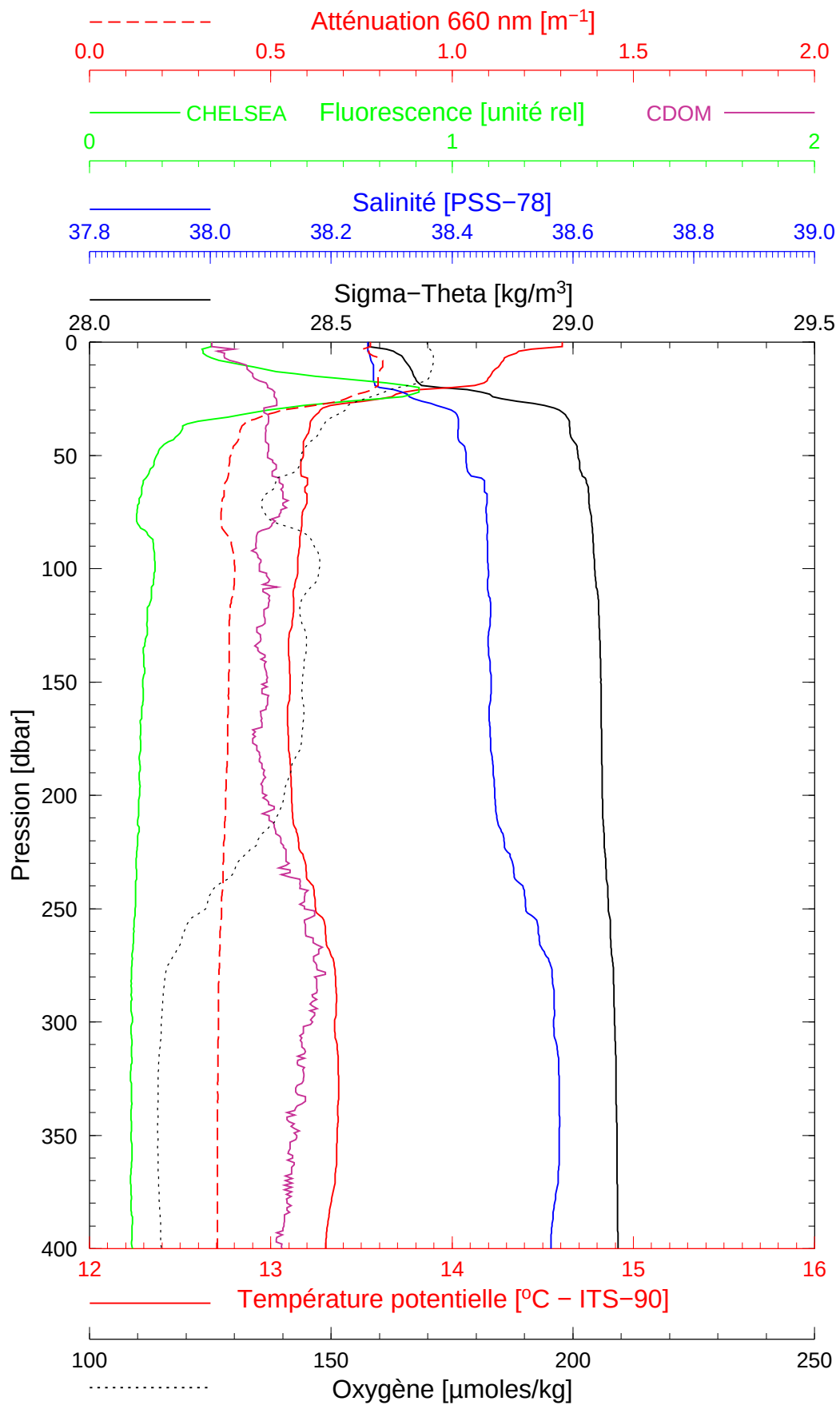
Latitude 43°22.088 N  
Longitude 07°53.932 E

Boussole 63

16/04/2007

BOUS070416\_02

BOUS009



Date 16/04/2007  
Heure déb 12h 29min [TU]

Latitude 43°22.083 N  
Longitude 07°53.925 E

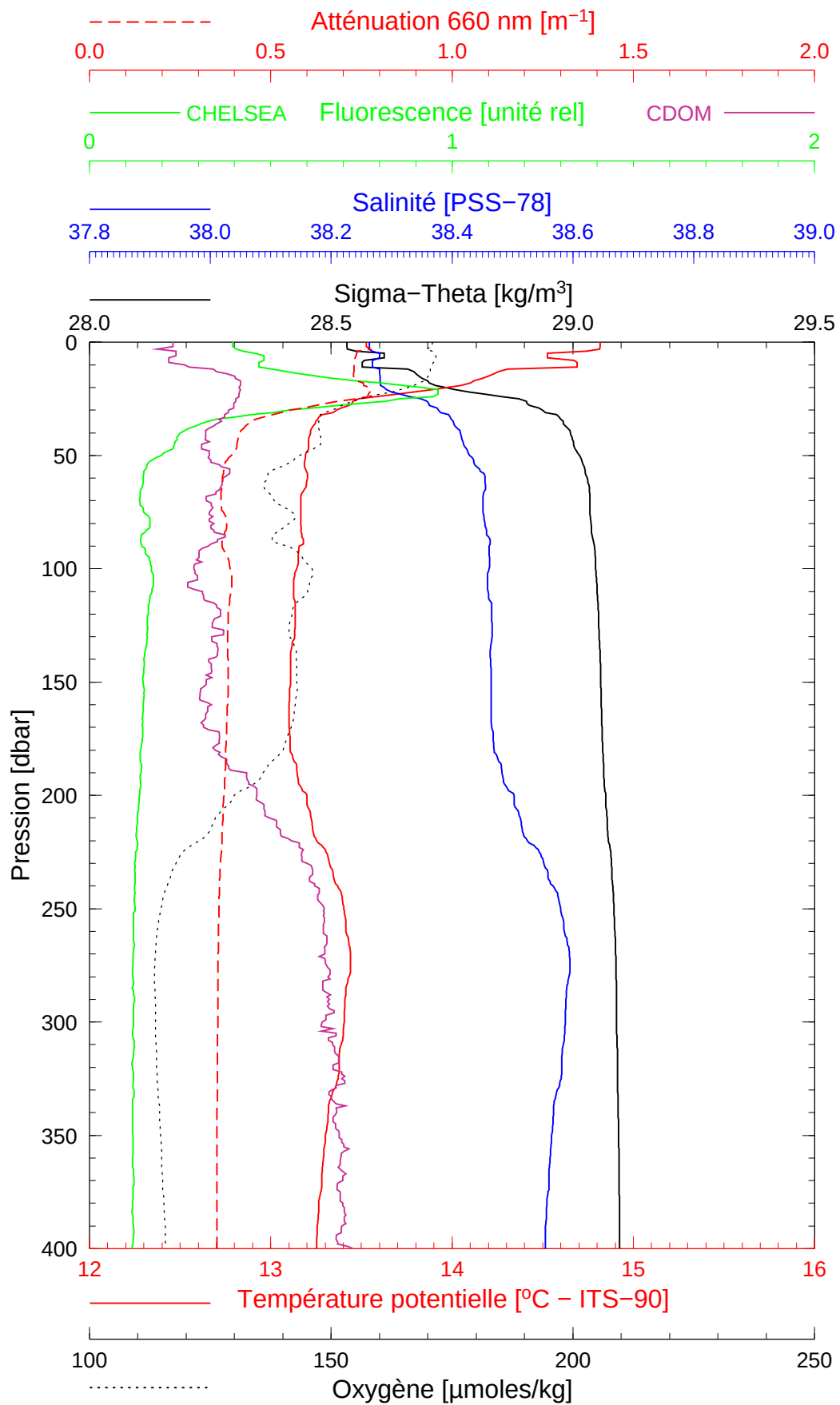


Boussole 63

17/04/2007

BOUS070417\_01

BOUS010



Date 17/04/2007  
Heure déb 08h 05min [TU]

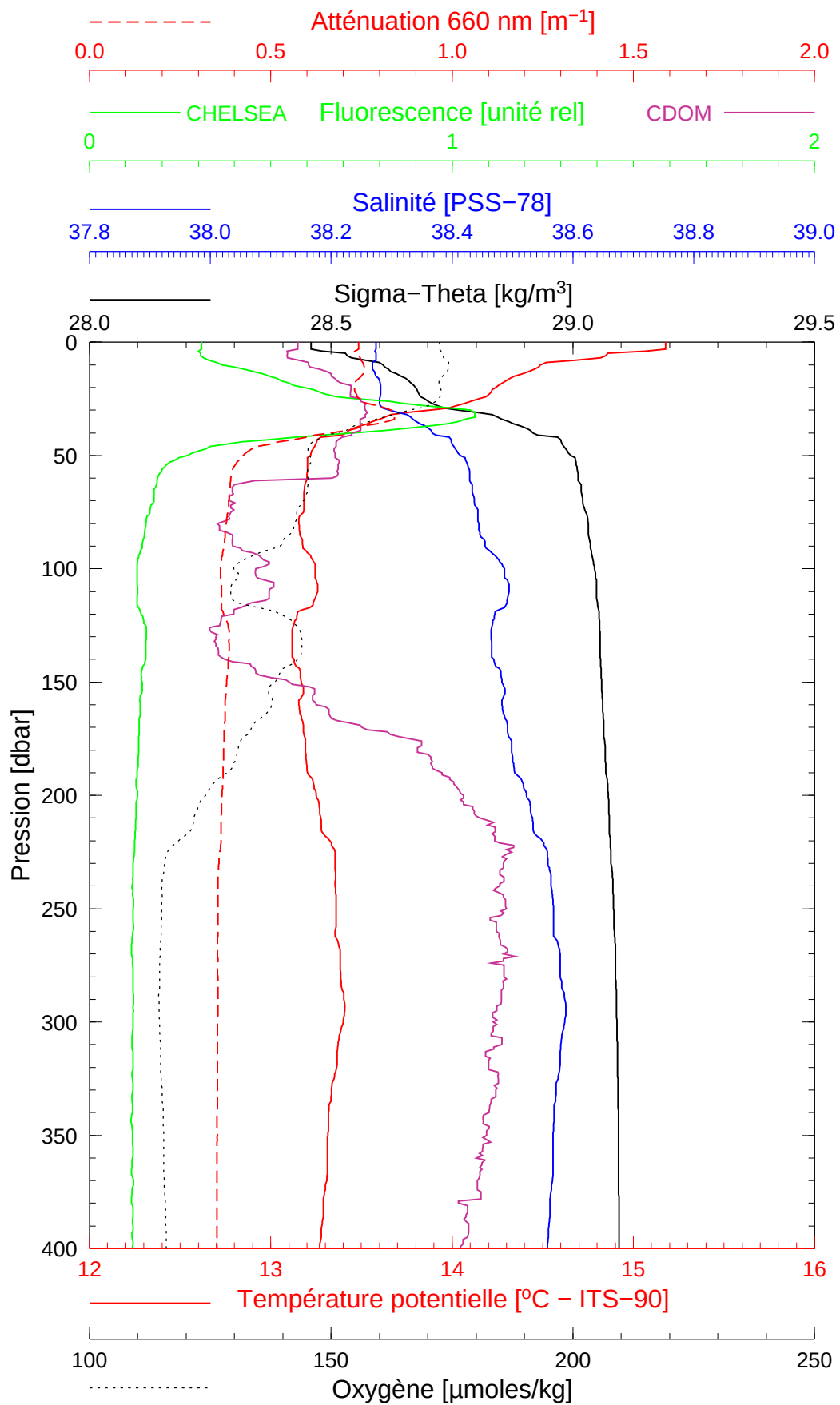
Latitude 43°22.186 N  
Longitude 07°53.708 E

Boussole 63

17/04/2007

BOUS070417\_02

BOUS011



Date 17/04/2007  
Heure déb 13h 26min [TU]

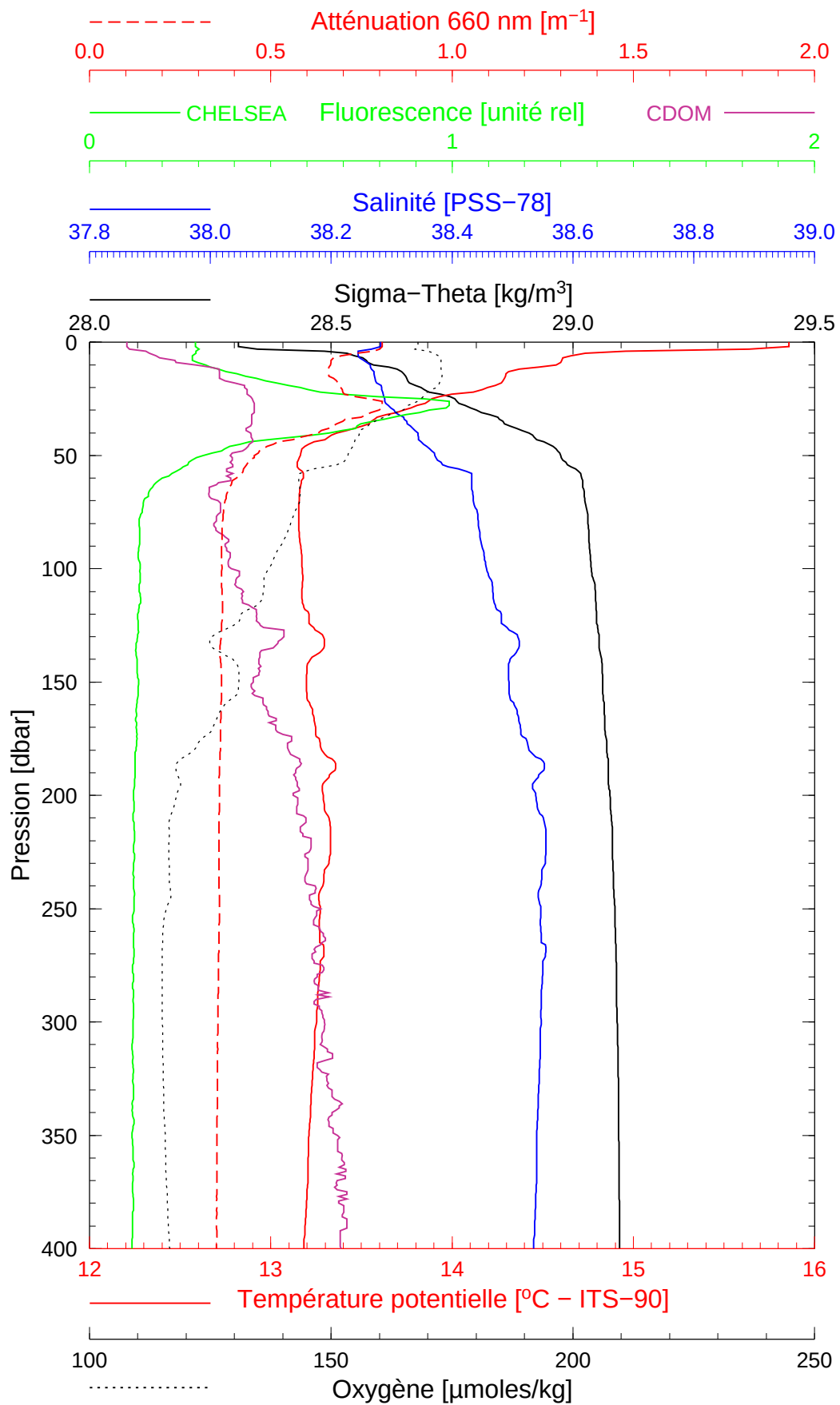
Latitude 43°22.076 N  
Longitude 07°53.918 E

Boussole 63

18/04/2007

BOUS070418\_01

BOUS012



Date 18/04/2007  
Heure déb 08h 02min [TU]

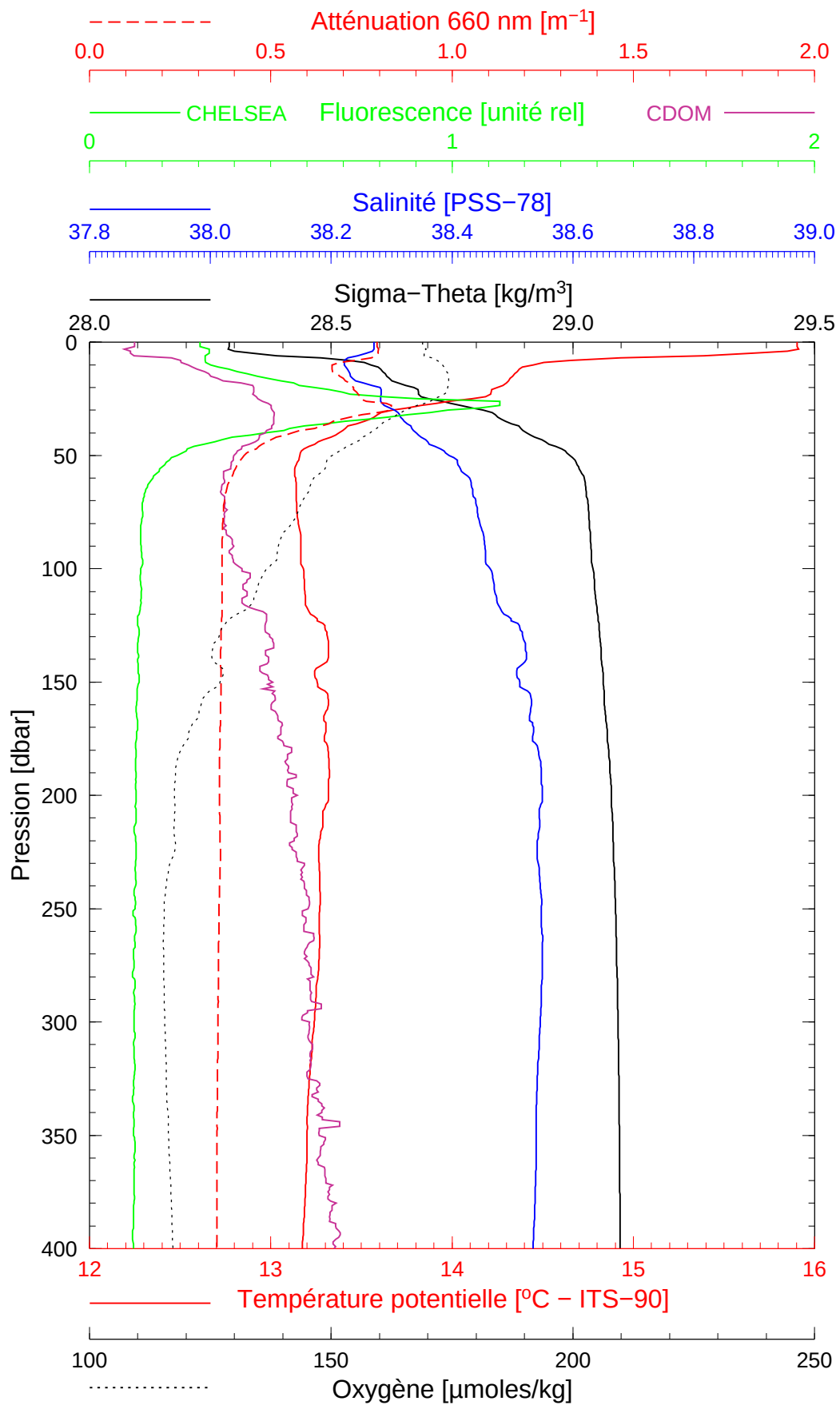
Latitude 43°22.089 N  
Longitude 07°53.794 E

Boussole 63

18/04/2007

BOUS070418\_02

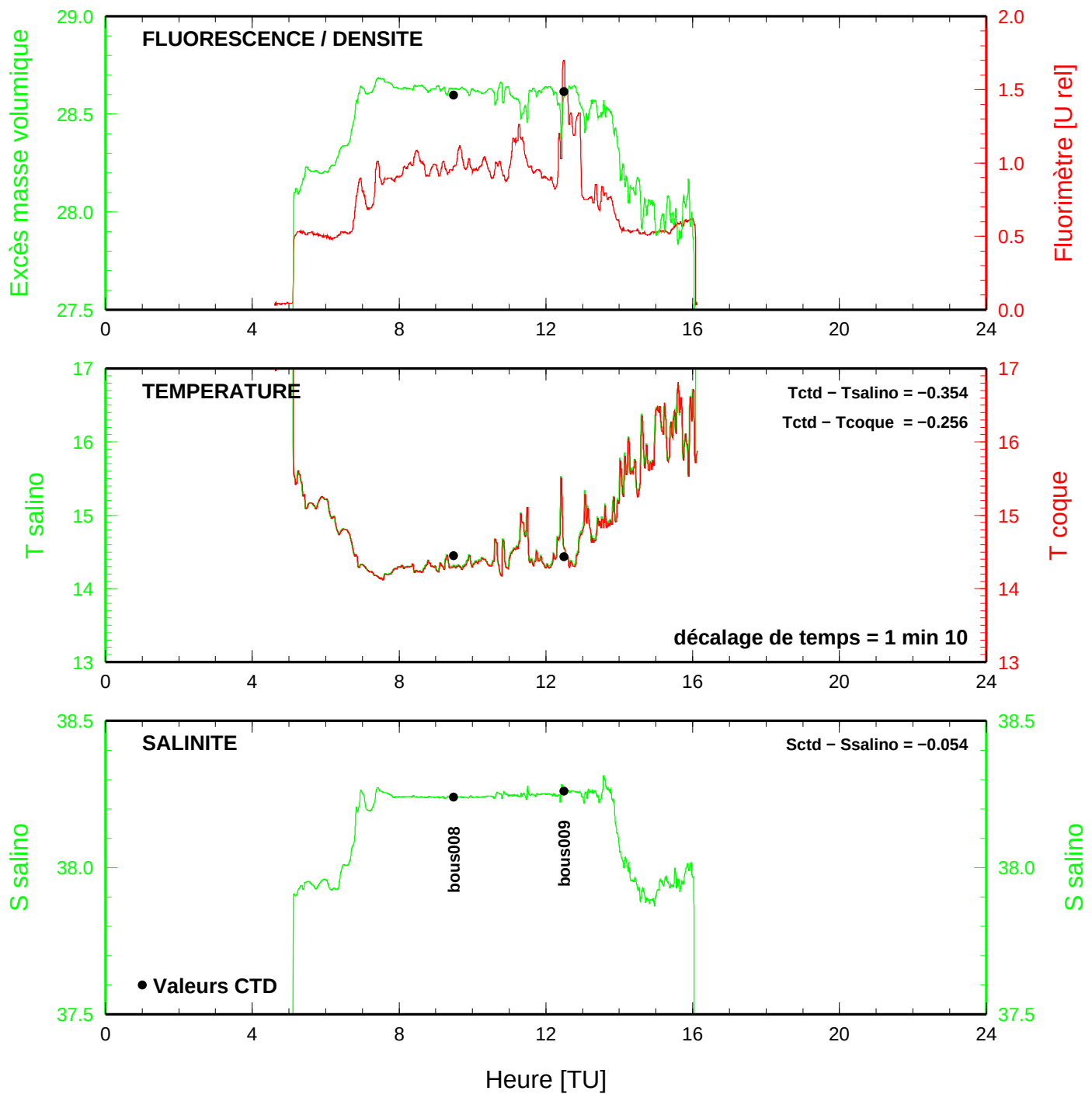
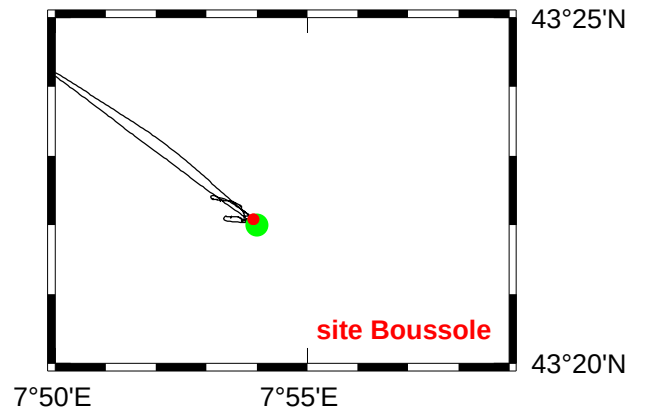
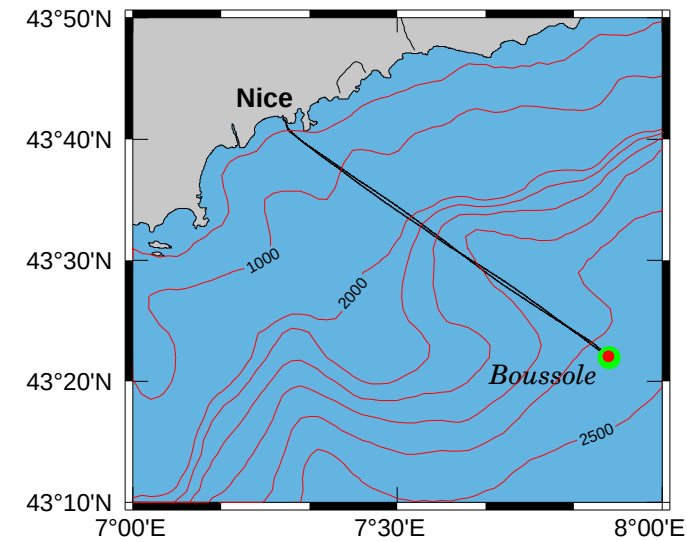
BOUS013



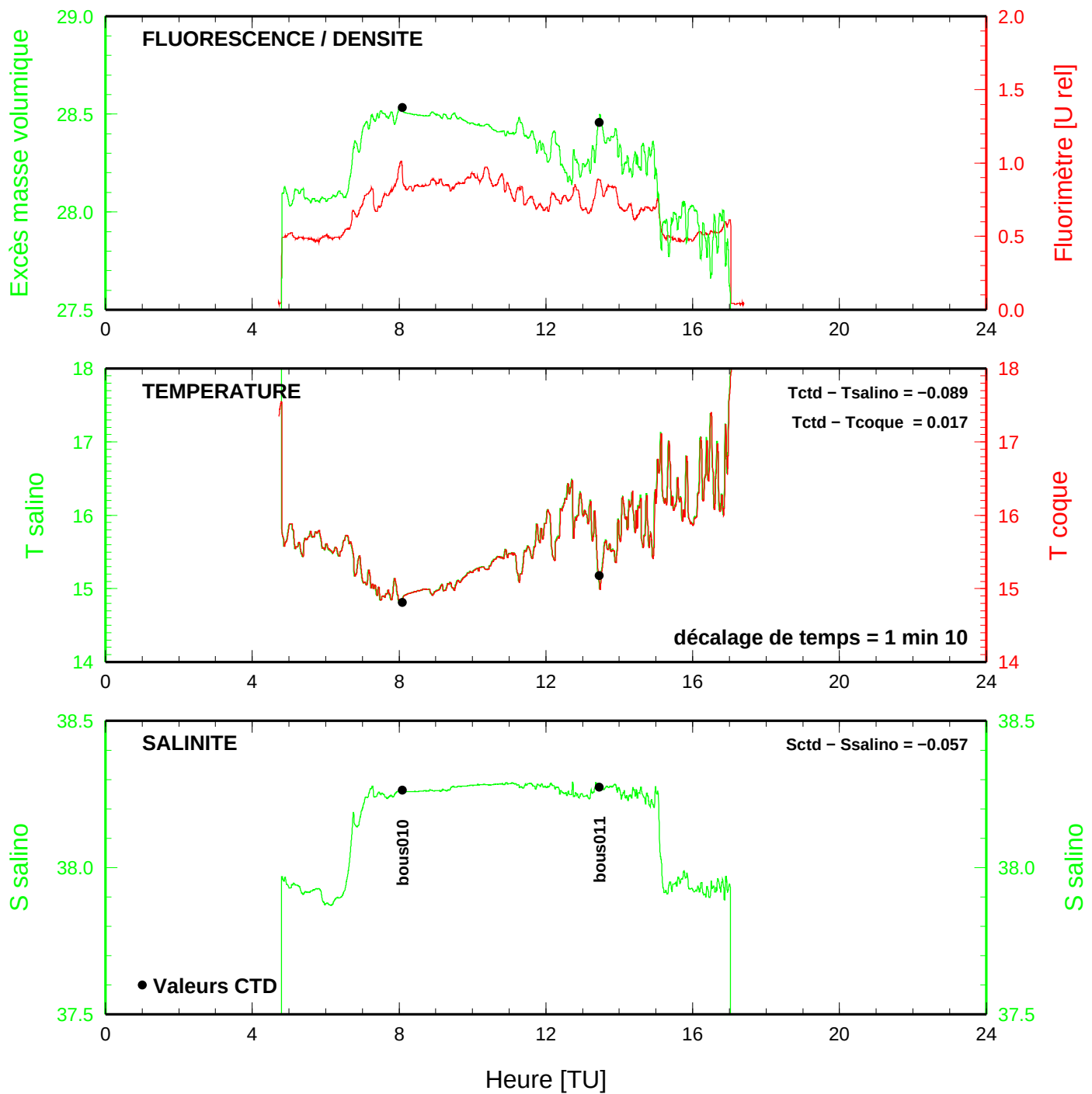
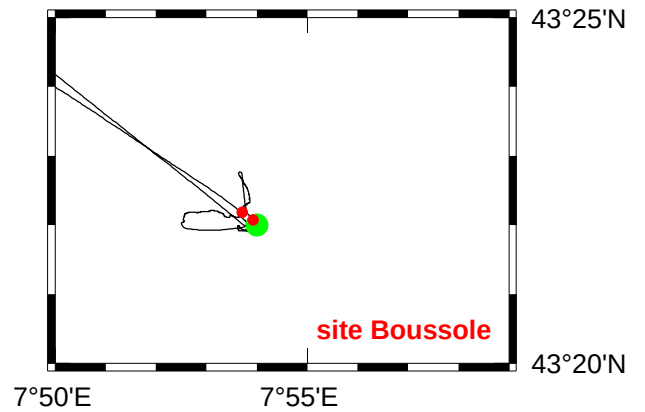
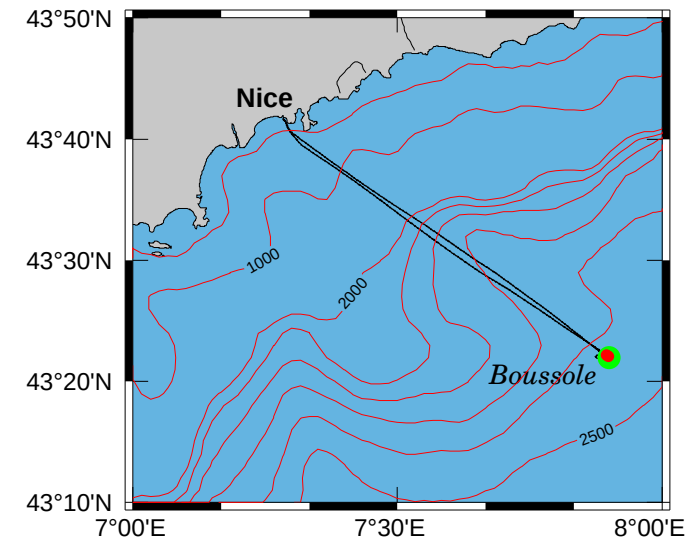
Date 18/04/2007  
Heure déb 12h 28min [TU]

Latitude 43°22.172 N  
Longitude 07°53.975 E

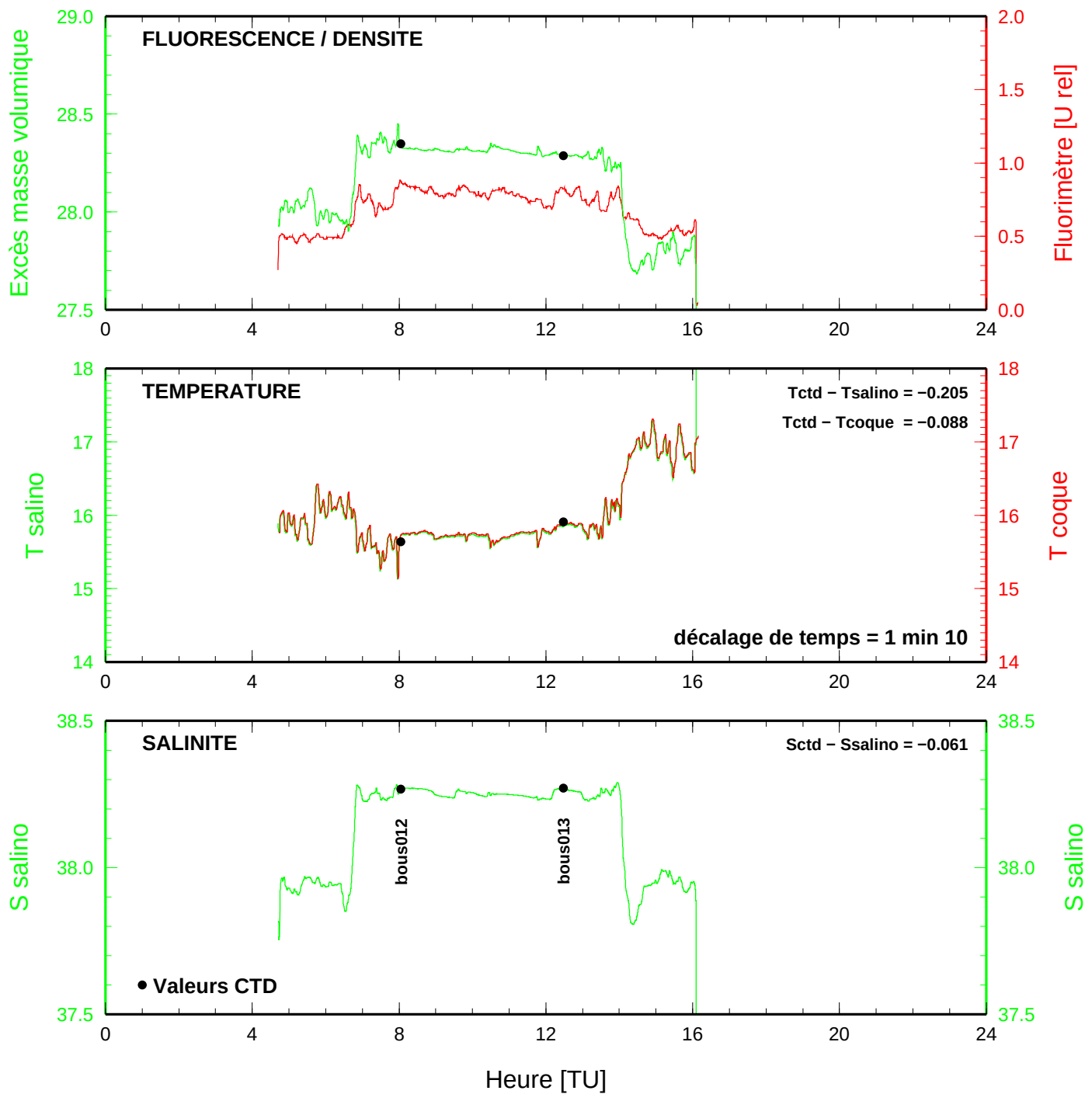
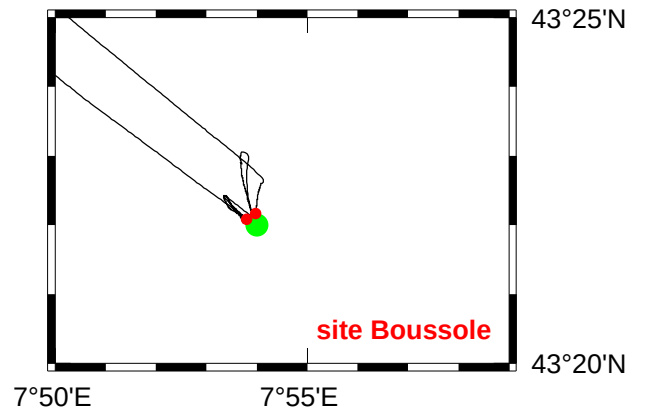
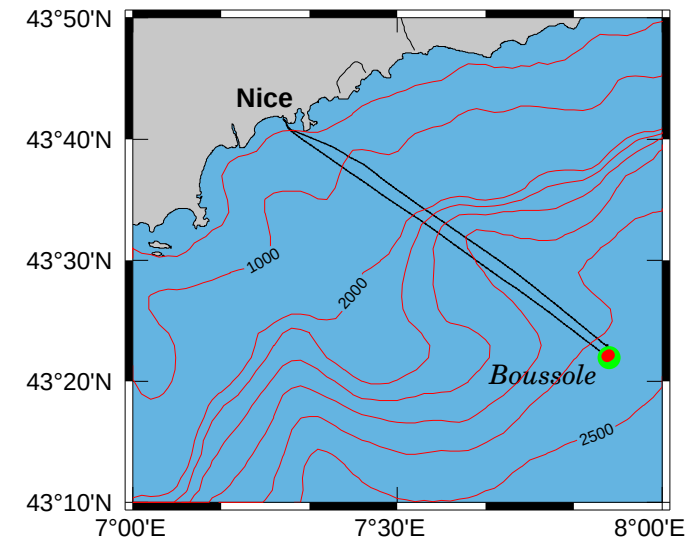
# BOUSSOLE 63 16 avril 2007

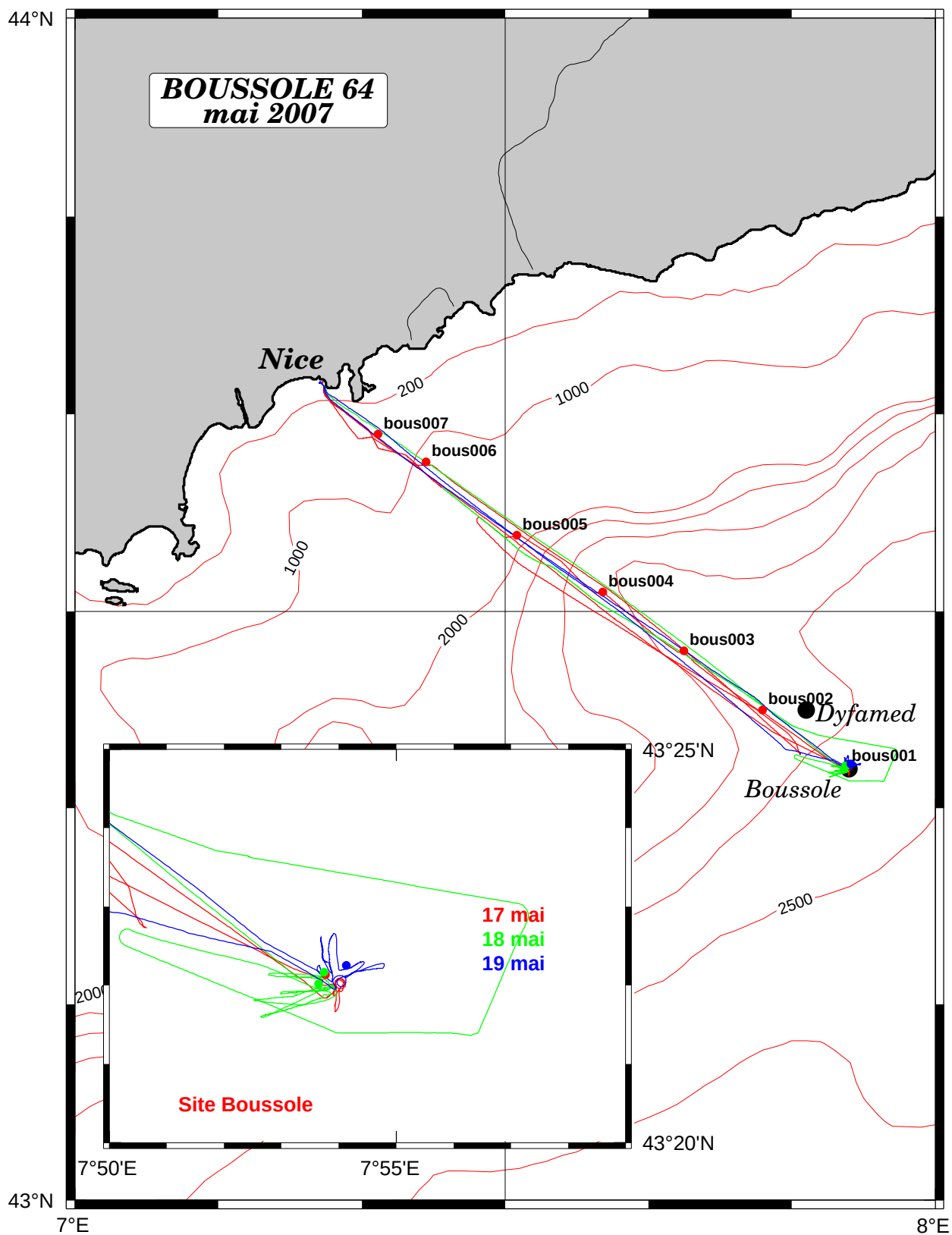


# BOUSSOLE 63 17 avril 2007



# BOUSSOLE 63 18 avril 2007





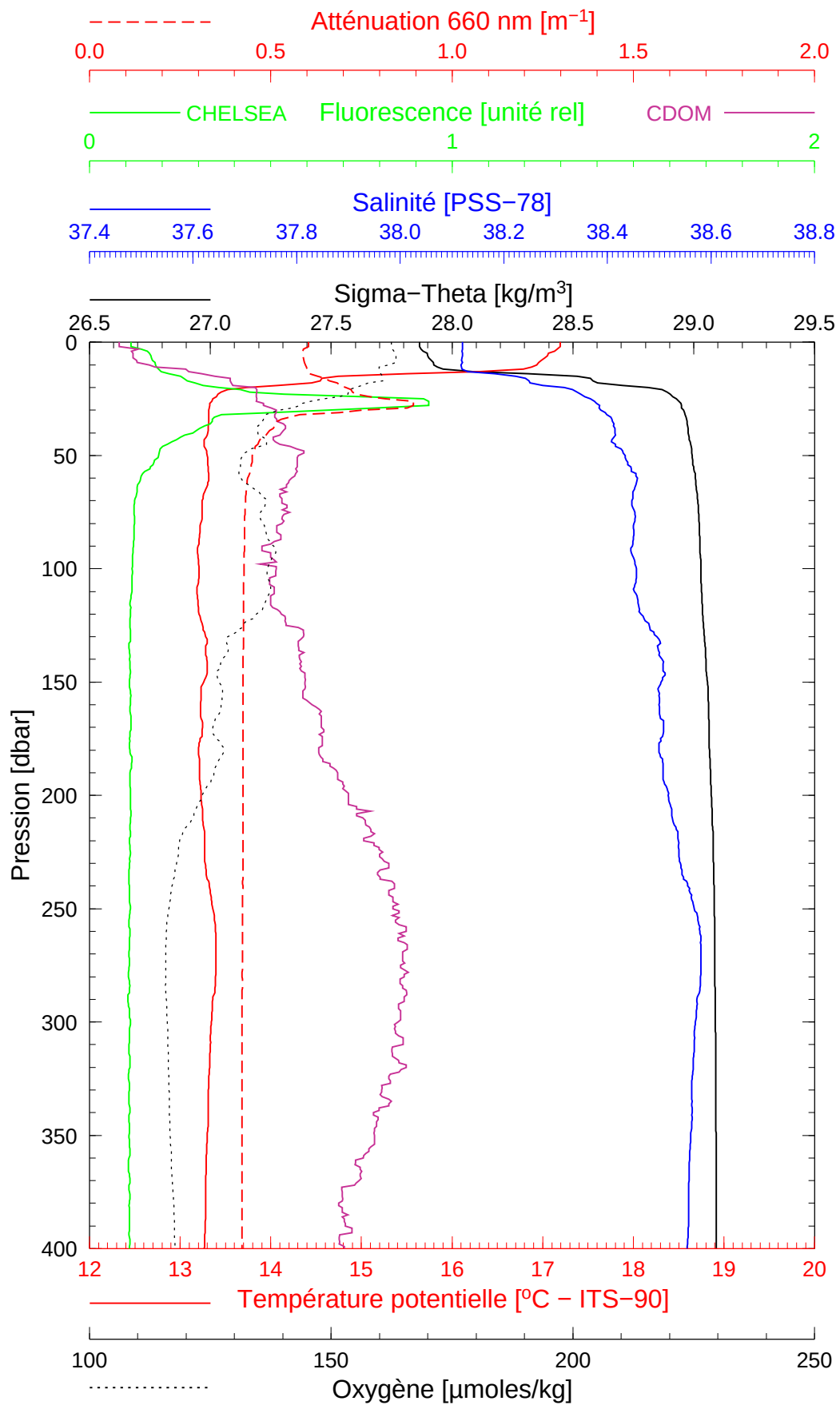


Boussole 64

17/05/2007

BOUS070517\_01

BOUS001



Date 17/05/2007  
Heure déb 10h 51min [TU]

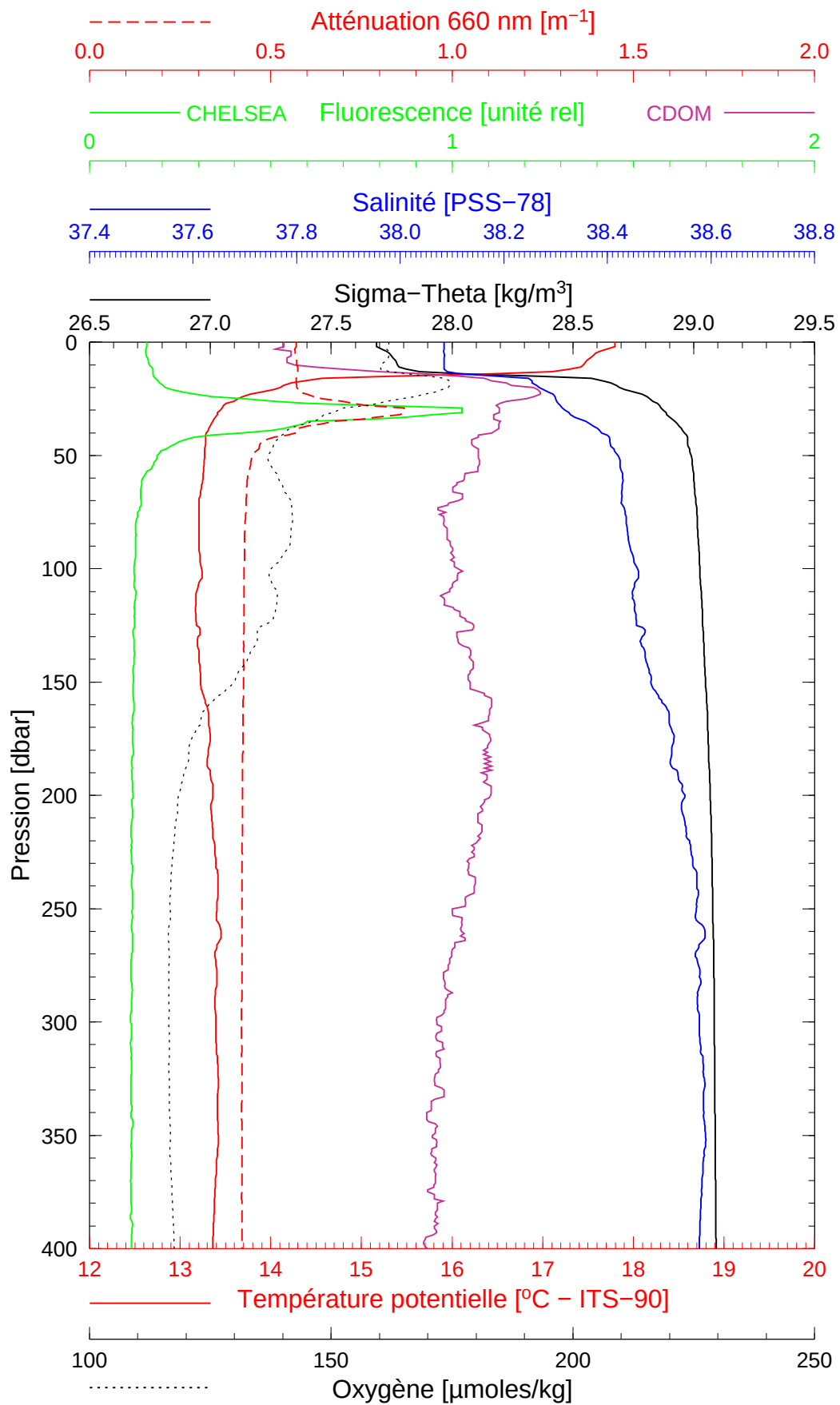
Latitude  $43^{\circ}22.138$  N  
Longitude  $07^{\circ}53.764$  E

Boussole 64

17/05/2007

BOUS070517\_02

BOUS002



Date 17/05/2007  
Heure déb 11h 57min [TU]

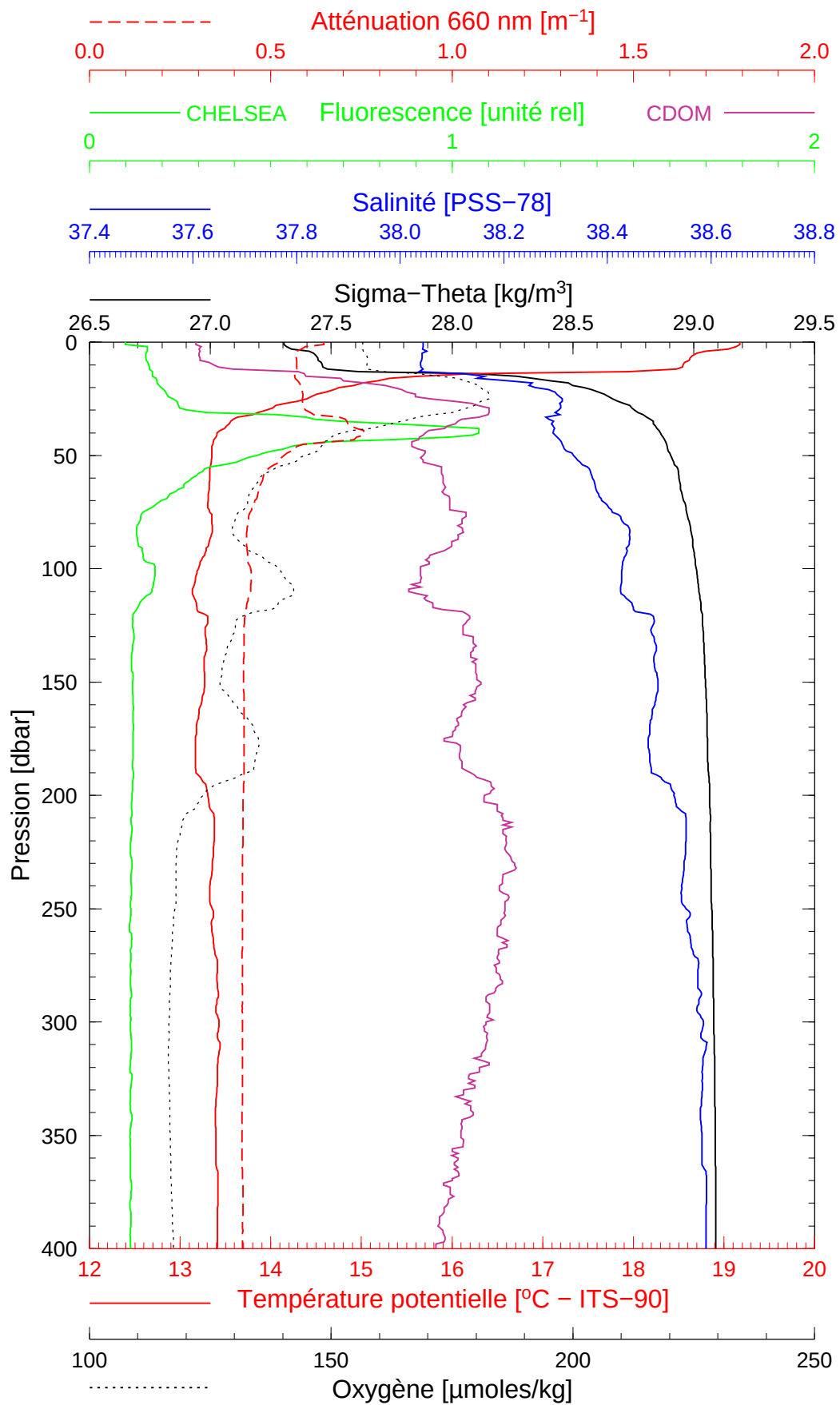
Latitude  $43^{\circ}25.003$  N  
Longitude  $07^{\circ}47.948$  E

Boussole 64

17/05/2007

BOUS070517\_03

BOUS003



Date 17/05/2007  
Heure déb 12h 53min [TU]

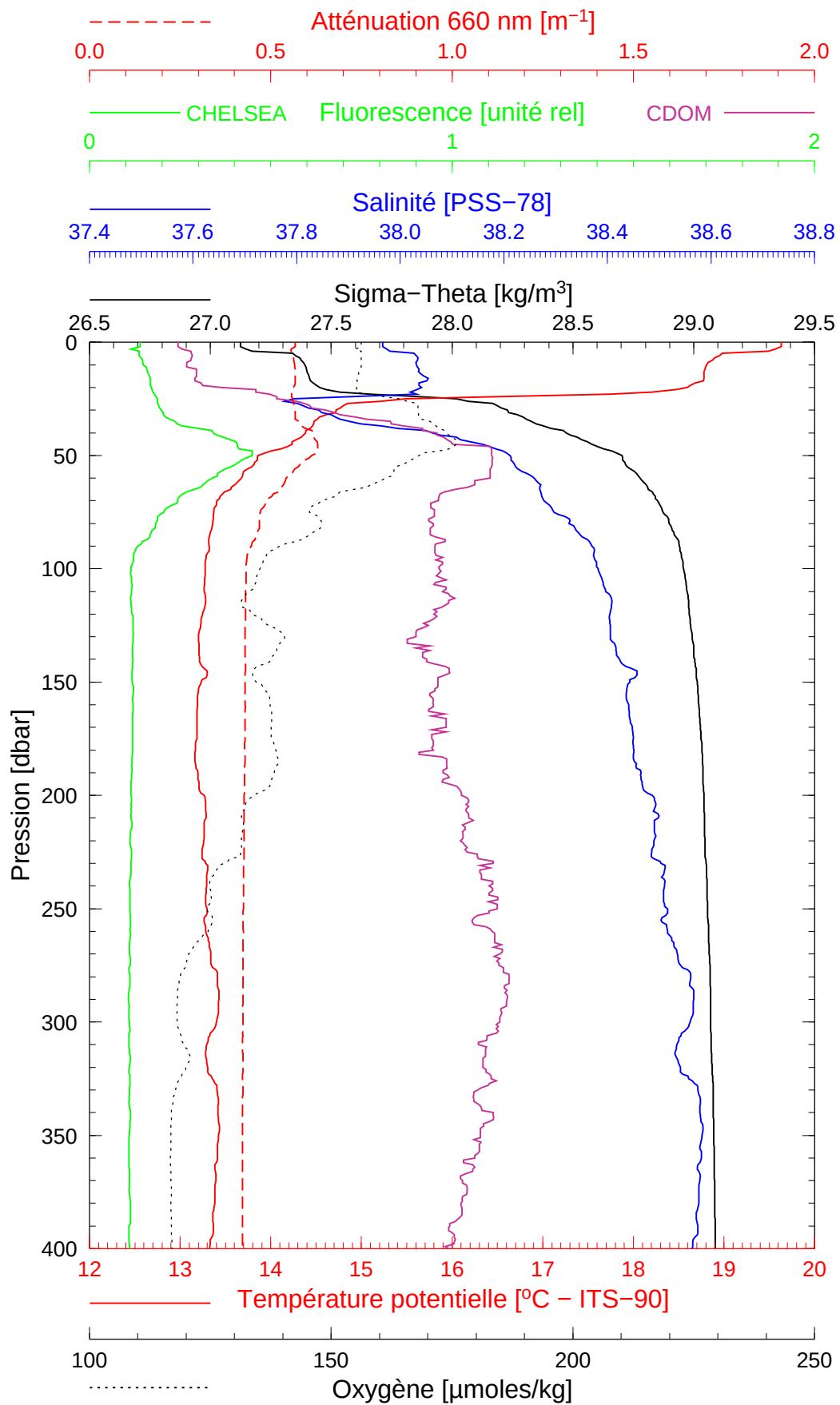
Latitude  $43^{\circ}27.994$  N  
Longitude  $07^{\circ}42.465$  E

Boussole 64

17/05/2007

BOUS070517\_04

BOUS004



Date 17/05/2007  
Heure déb 13h 49min [TU]

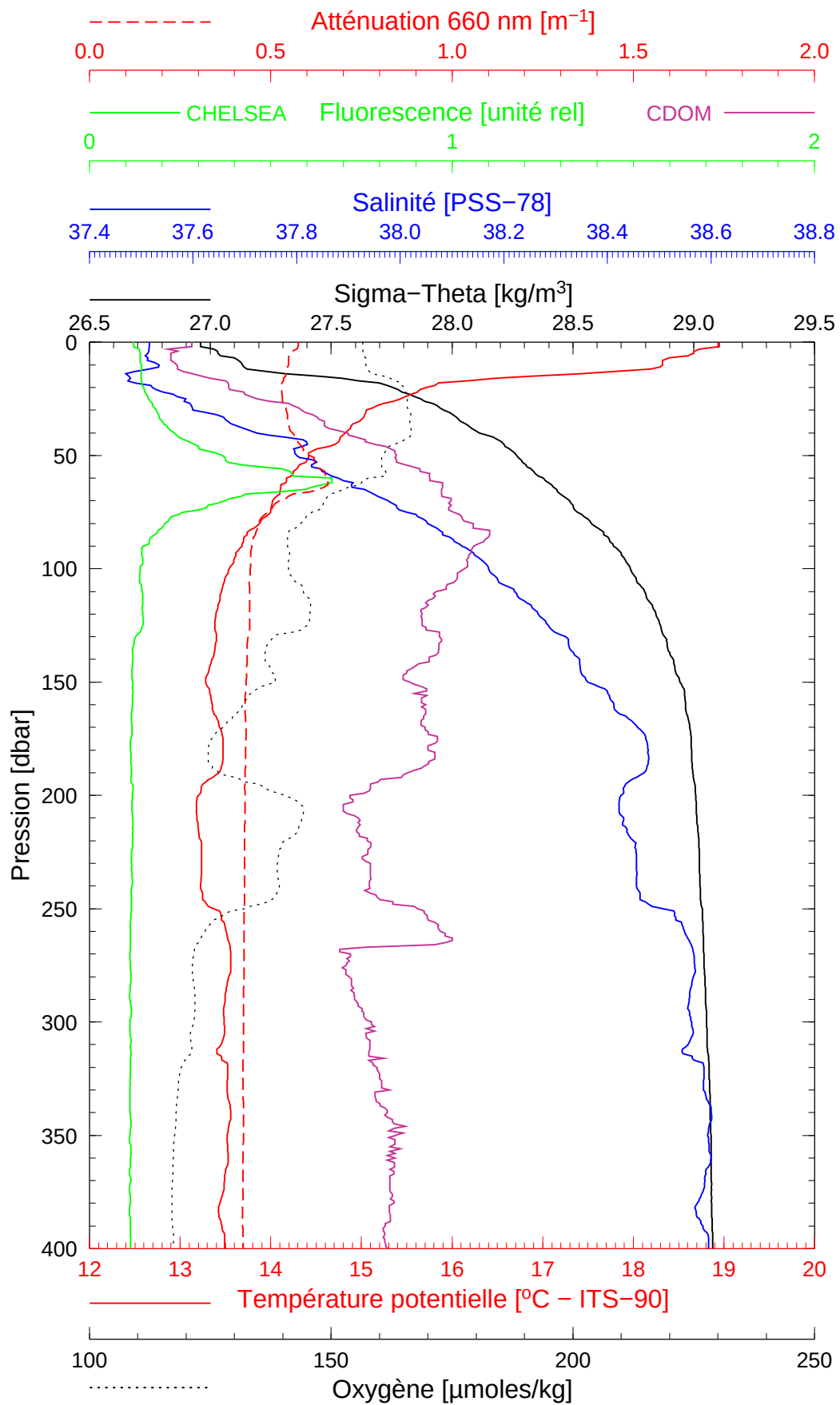
Latitude  $43^{\circ}30.988$  N  
Longitude  $07^{\circ}36.799$  E

Boussole 64

17/05/2007

BOUS070517\_05

BOUS005



Date 17/05/2007  
Heure déb 14h 46min [TU]

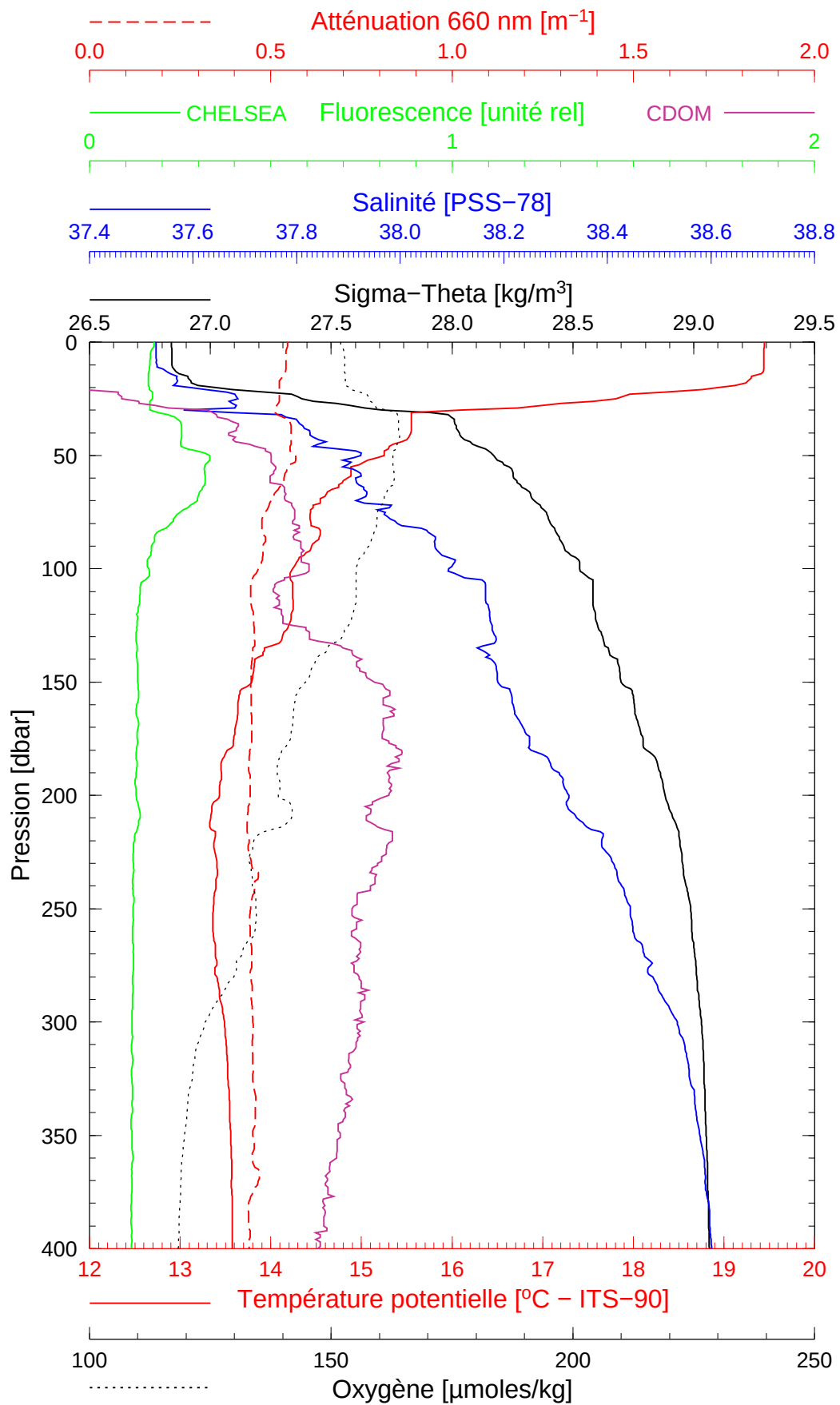
Latitude  $43^{\circ}33.867$  N  
Longitude  $07^{\circ}30.818$  E

Boussole 64

17/05/2007

BOUS070517\_06

BOUS006



Date 17/05/2007  
Heure déb 20h 02min [TU]

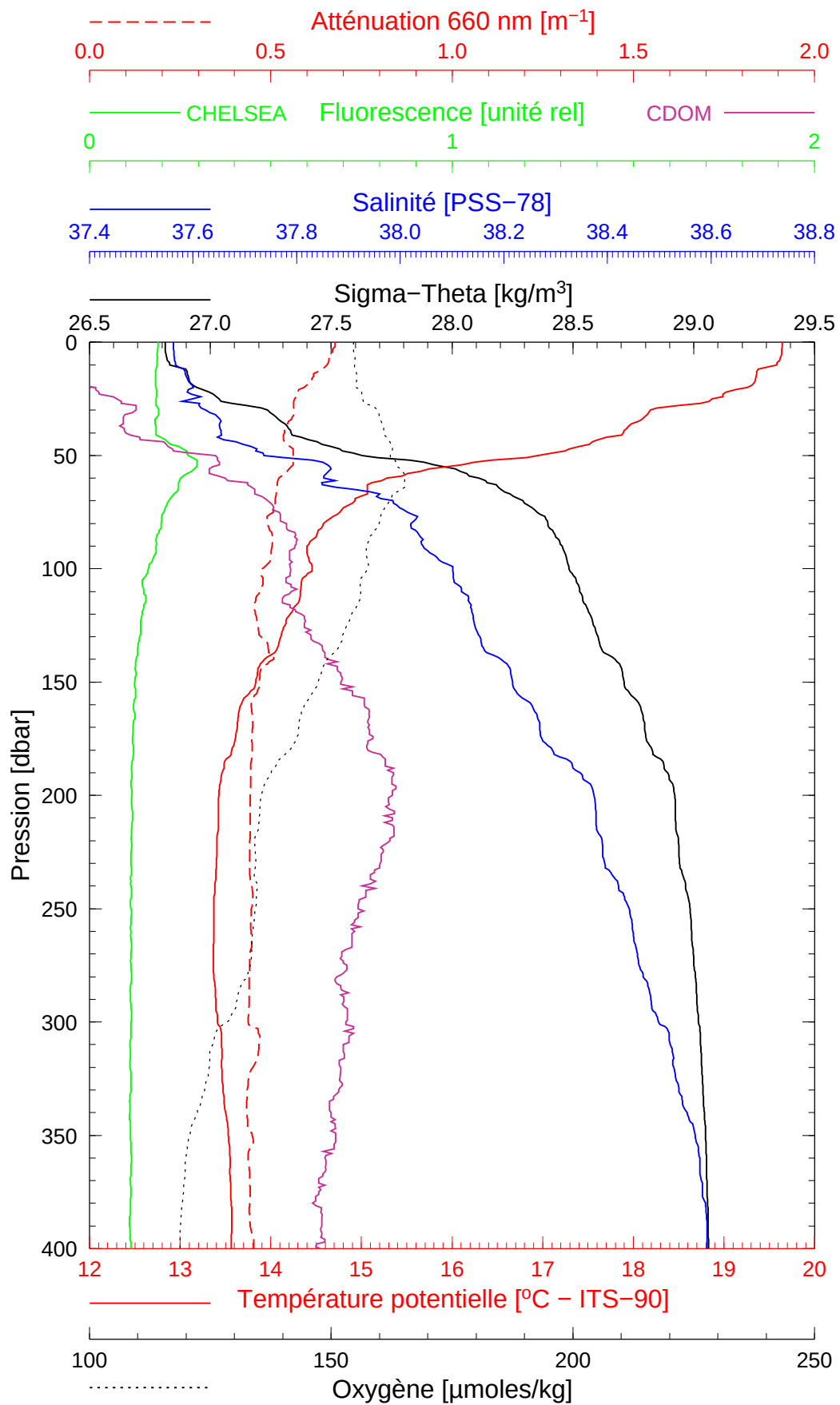
Latitude  $43^{\circ}37.588$  N  
Longitude  $07^{\circ}24.482$  E

Boussole 64

17/05/2007

BOUS070517\_07

BOUS007



Date 17/05/2007  
Heure déb 20h 47min [TU]

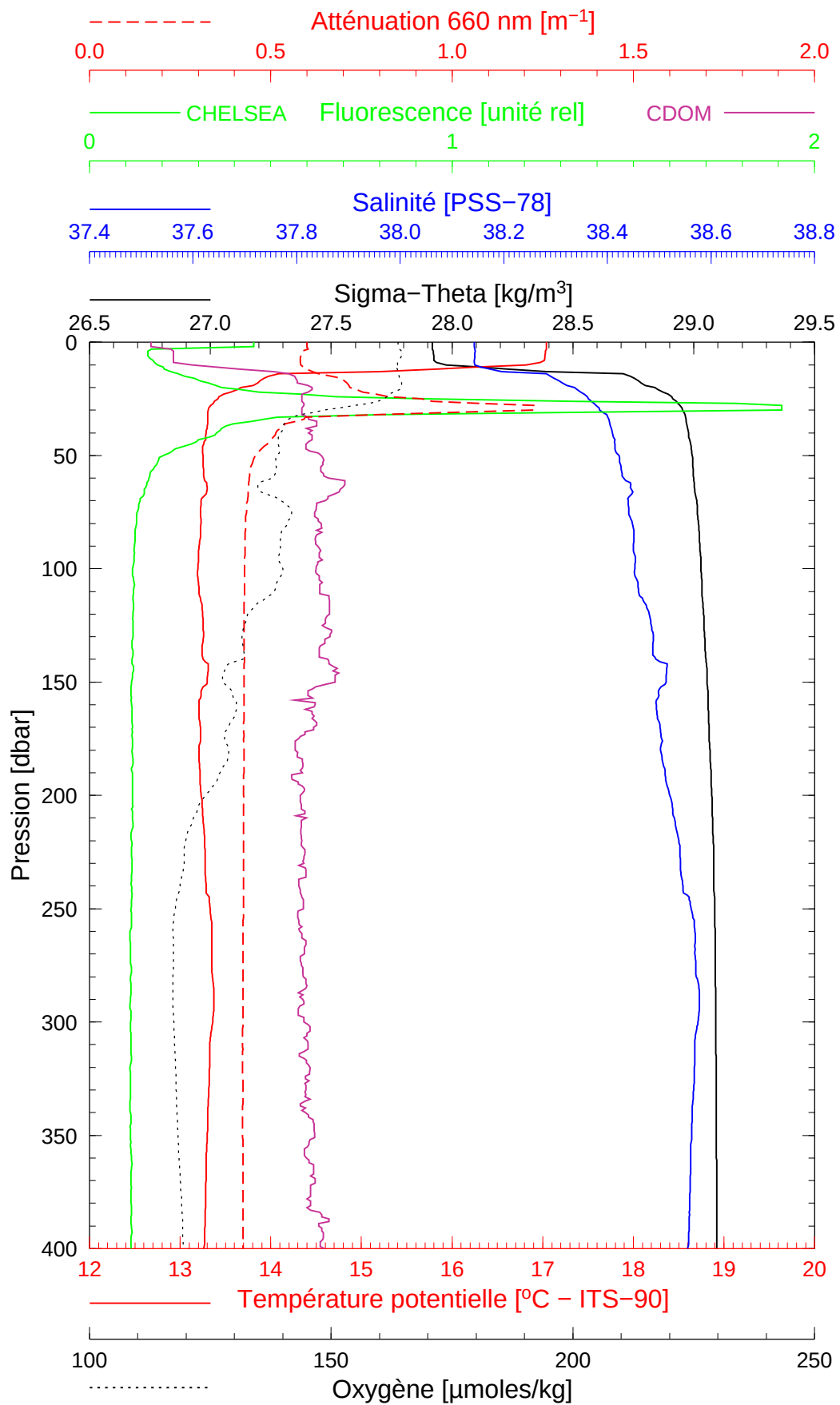
Latitude  $43^{\circ}38.988\text{ N}$   
Longitude  $07^{\circ}21.125\text{ E}$

Boussole 64

18/05/2007

BOUS070518\_01

BOUS008



Date 18/05/2007  
Heure déb 08h 15min [TU]

Latitude  $43^{\circ}22.019\text{ N}$   
Longitude  $07^{\circ}53.650\text{ E}$

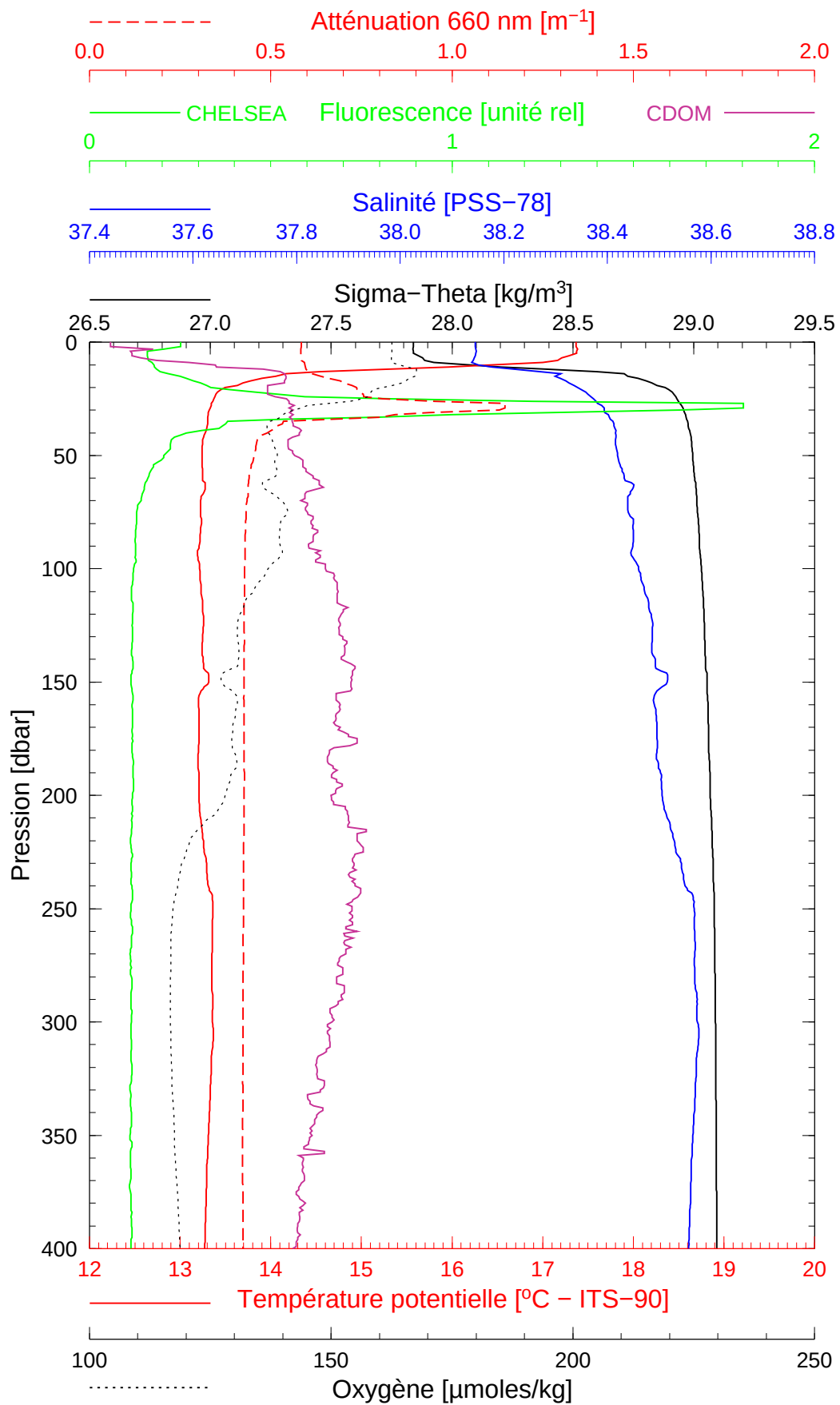


Boussole 64

18/05/2007

BOUS070518\_02

BOUS009



Date 18/05/2007  
Heure déb 11h 41min [TU]

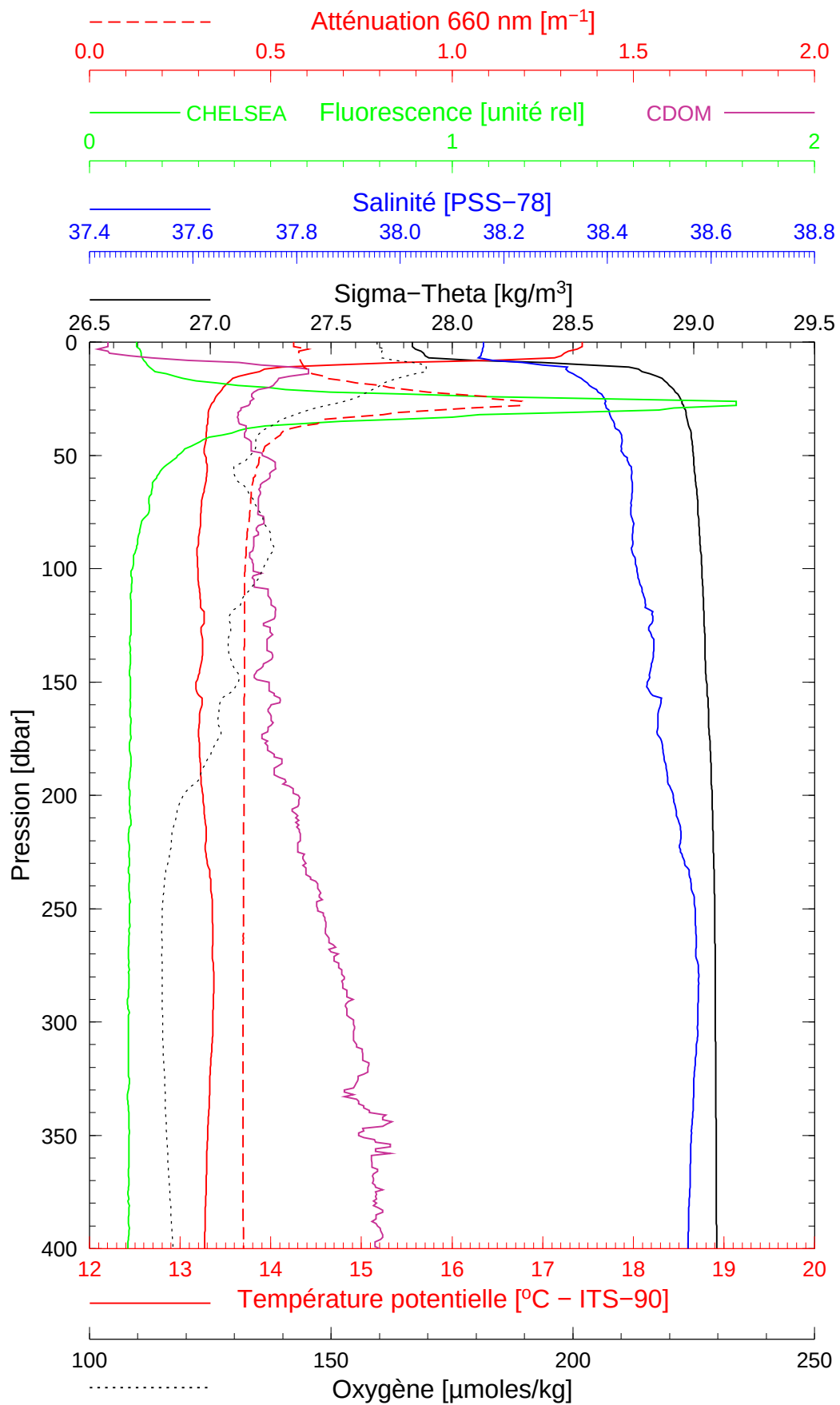
Latitude 43°22.166 N  
Longitude 07°53.743 E

Boussole 64

19/05/2007

BOUS070519\_01

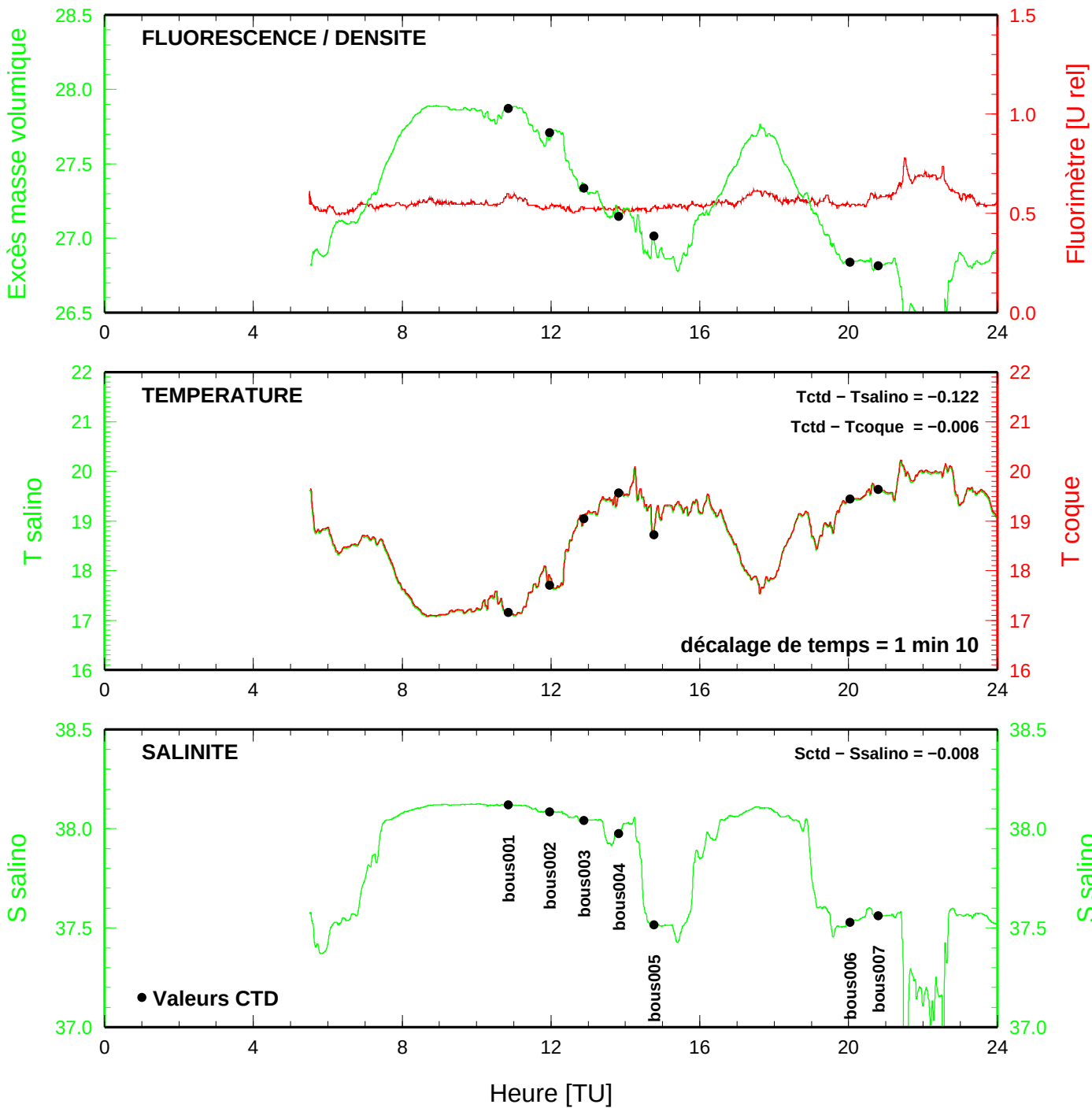
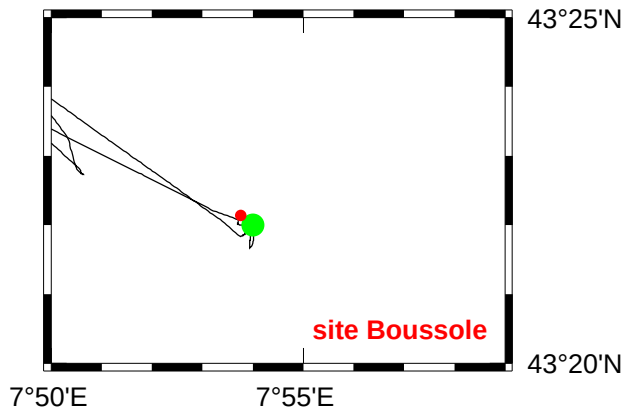
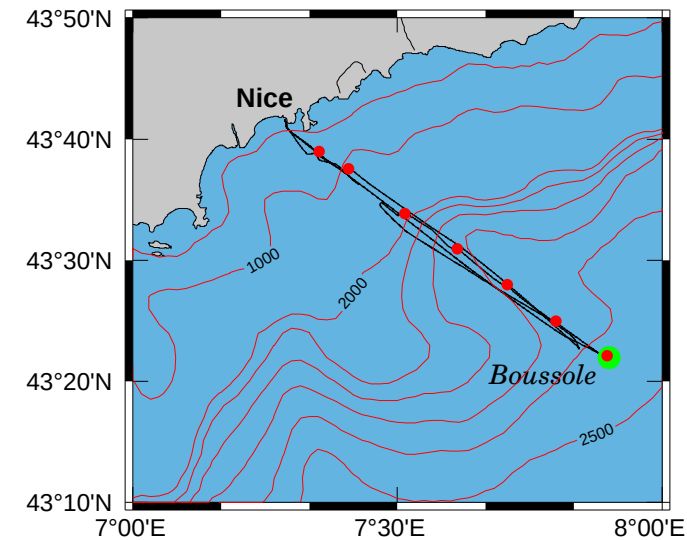
BOUS010



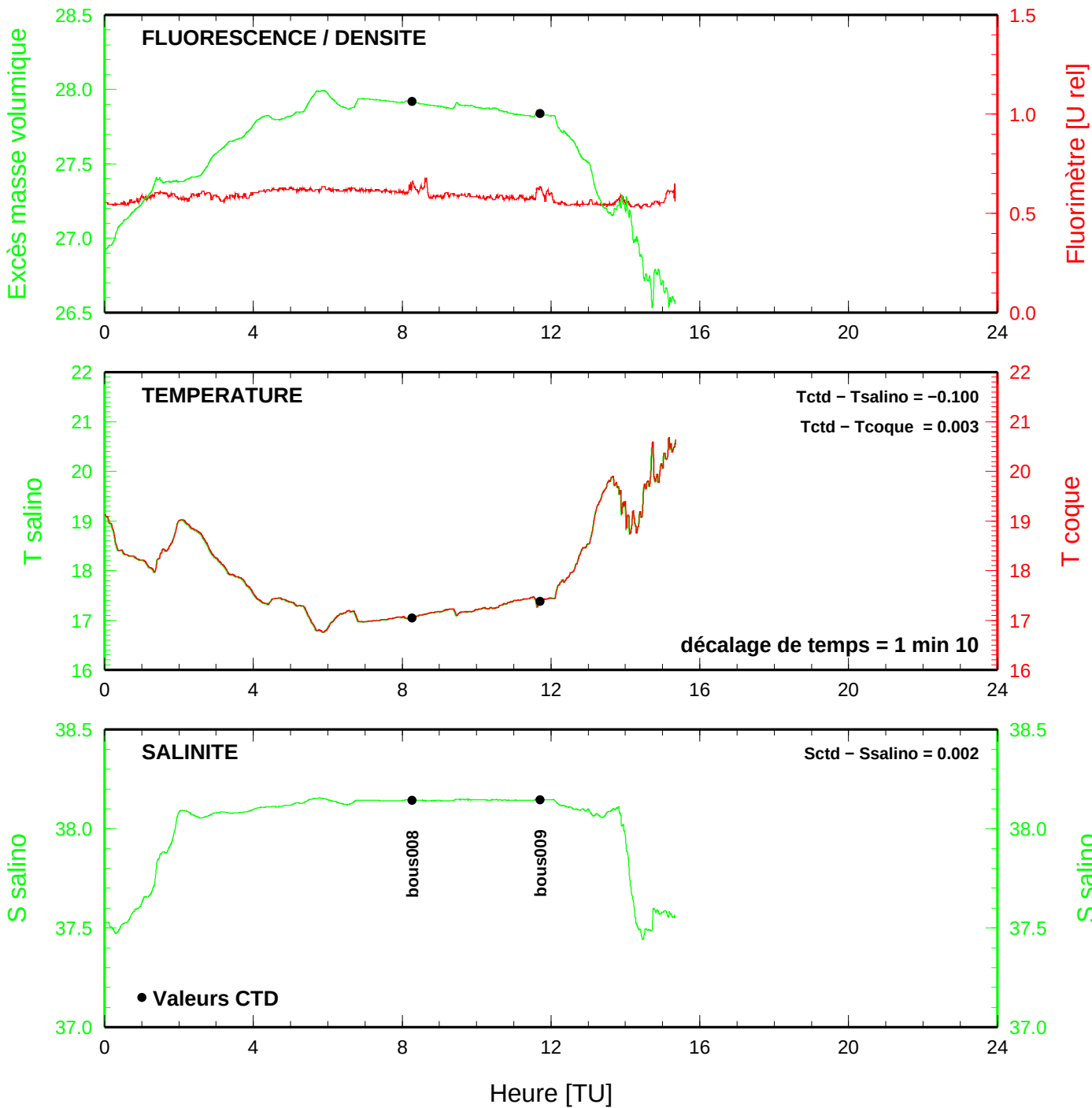
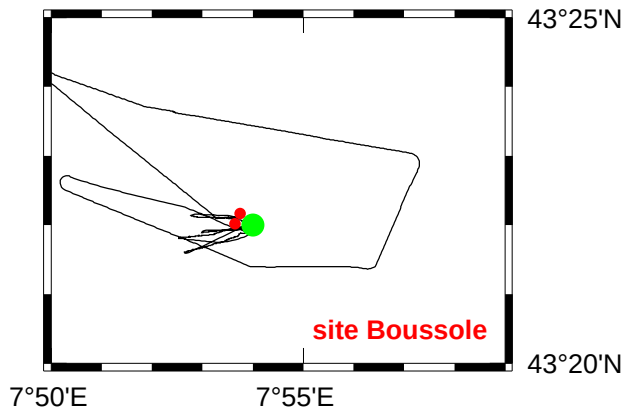
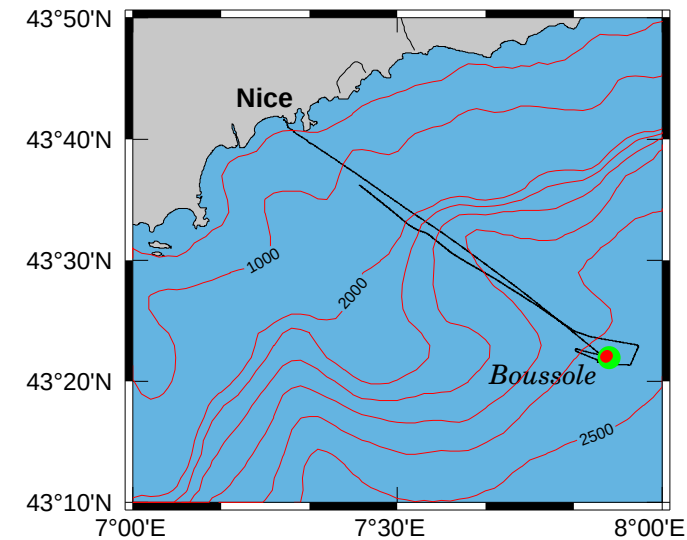
Date 19/05/2007  
Heure déb 11h 18min [TU]

Latitude 43°22.255 N  
Longitude 07°54.130 E

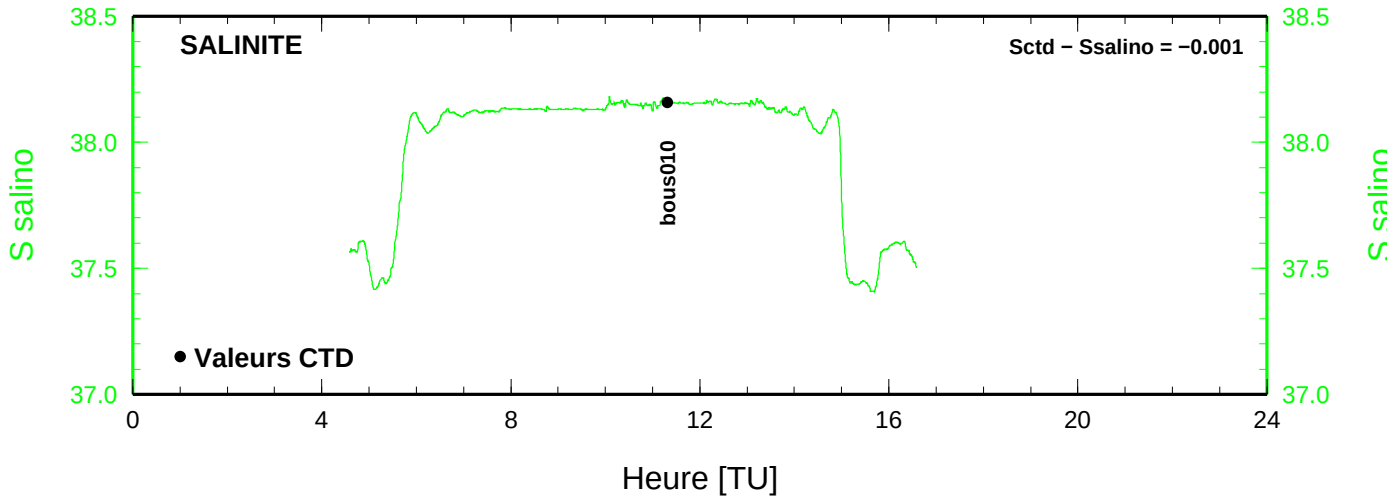
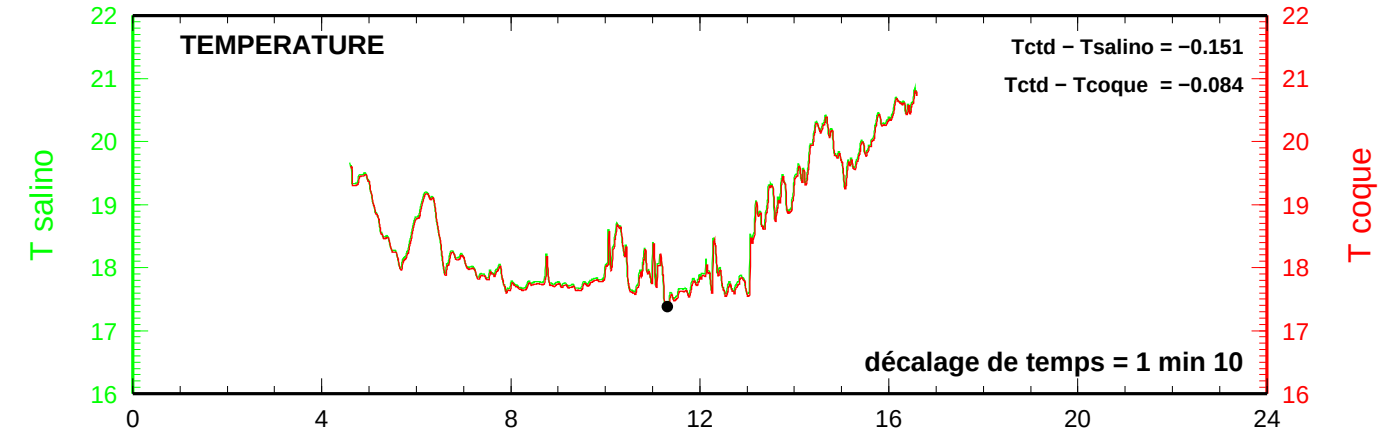
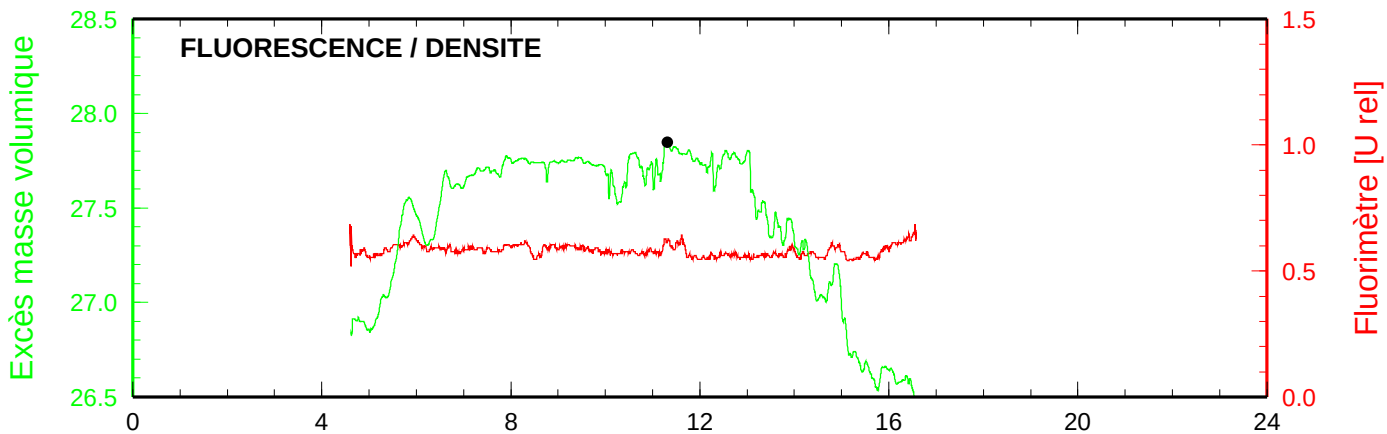
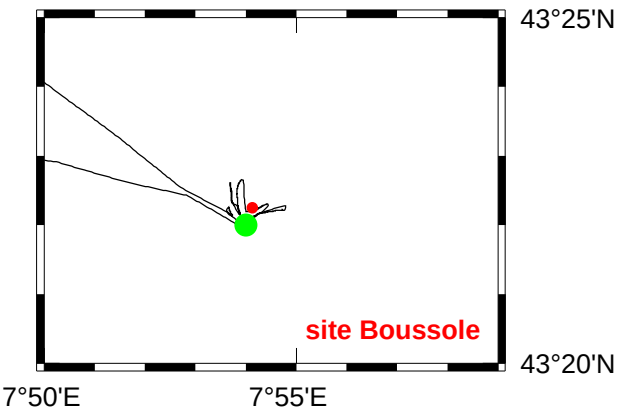
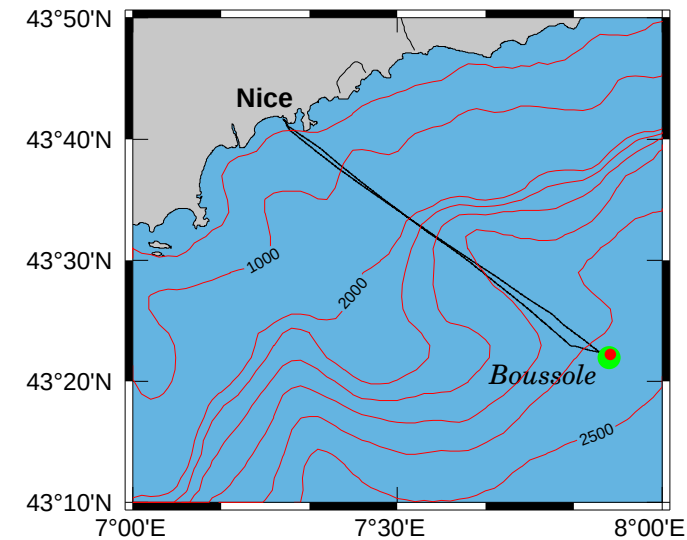
BOUSSOLE 64 17 mai 2007

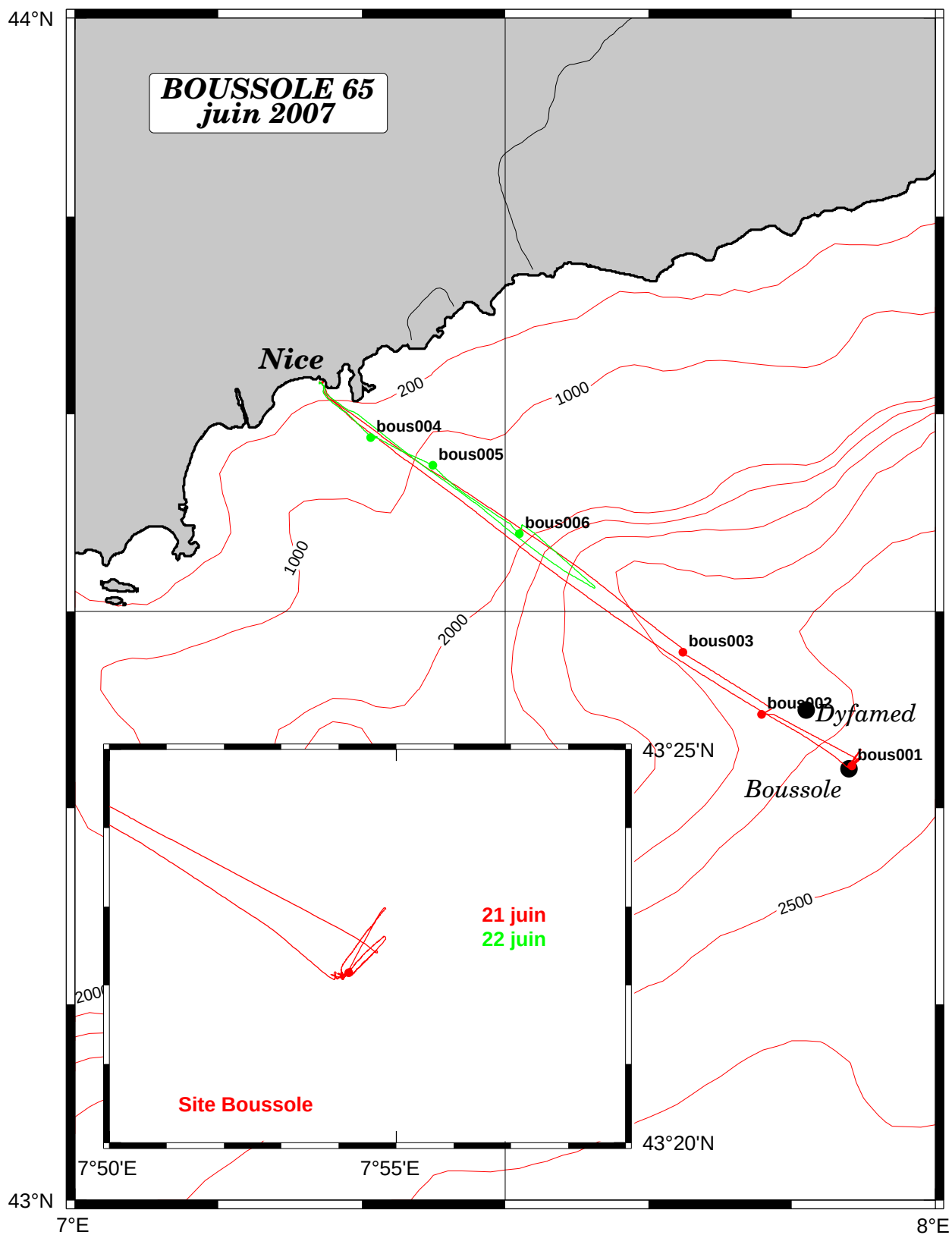


BOUSSOLE 64 18 mai 2007



BOUSSOLE 64 19 mai 2007





ASCII file: C:\boussole\juin2007\ctd\raw\calib.com

Configuration report for SBE 911/917 plus CTD

-----

Frequency channels suppressed : 2  
Voltage words suppressed : 0  
Computer interface : RS-232C  
Scans to average : 1  
Surface PAR voltage added : Yes  
NMEA position data added : No  
Scan time added : No

1) Frequency 0, **Temperature**

Serial number : **1378**  
Calibrated on : 18-Jan-07  
G : 4.87141758e-003  
H : 6.79499329e-004  
I : 2.72653519e-005  
J : 2.19087641e-006  
F0 : 1000.000  
Slope : 1.00000000  
Offset : 0.0000

2) Frequency 1, **Conductivity**

Serial number : **2929**  
Calibrated on : 06-Jan-07  
G : -1.05972506e+001  
H : 1.41871895e+000  
I : 9.89047811e-004  
J : -5.59048433e-006  
CTcor : 3.2500e-006  
CPcor : -9.57000000e-008  
Slope : 1.00000000  
Offset : 0.0000

3) Frequency 2, **Pressure, Digiquartz with TC**

Serial number : **53981**  
Calibrated on : 11-Jan-95  
C1 : -4.499337e+004  
C2 : 4.543683e-001  
C3 : 1.505020e-002  
D1 : 3.936600e-002  
D2 : 0.000000e+000  
T1 : 3.004660e+001  
T2 : -1.897714e-004  
T3 : 4.727060e-006  
T4 : 1.923520e-009  
T5 : 0.000000e+000  
Slope : 0.99985000  
Offset : 0.11430  
AD590M : 1.138000e-002  
AD590B : -8.189160e+000

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

Serial number : **0587**  
Calibrated on : 10-Jan-04  
Soc : 3.5840e-001  
Boc : 0.0000  
Offset : -0.4782  
Tcor : 0.0012  
Pcor : 1.35e-004  
Tau : 0.0

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, **Fluorometer, Wetlab CDOM**

Serial number : 1095P  
Calibrated on : 31-Jul-06  
Vblank : 0.058  
Scale factor : 62.000

9) A/D voltage 5, **Transmissometer, Wetlab Cstar**

Serial number : **887DR**  
Calibrated on : 29-May-07  
M : 19.7030  
B : -1.0840  
Path length : 0.250

10) A/D voltage 6, Free

11) A/D voltage 7, Free

12) SPAR voltage, Unavailable

13) SPAR voltage, **SPAR/Surface Irradiance**

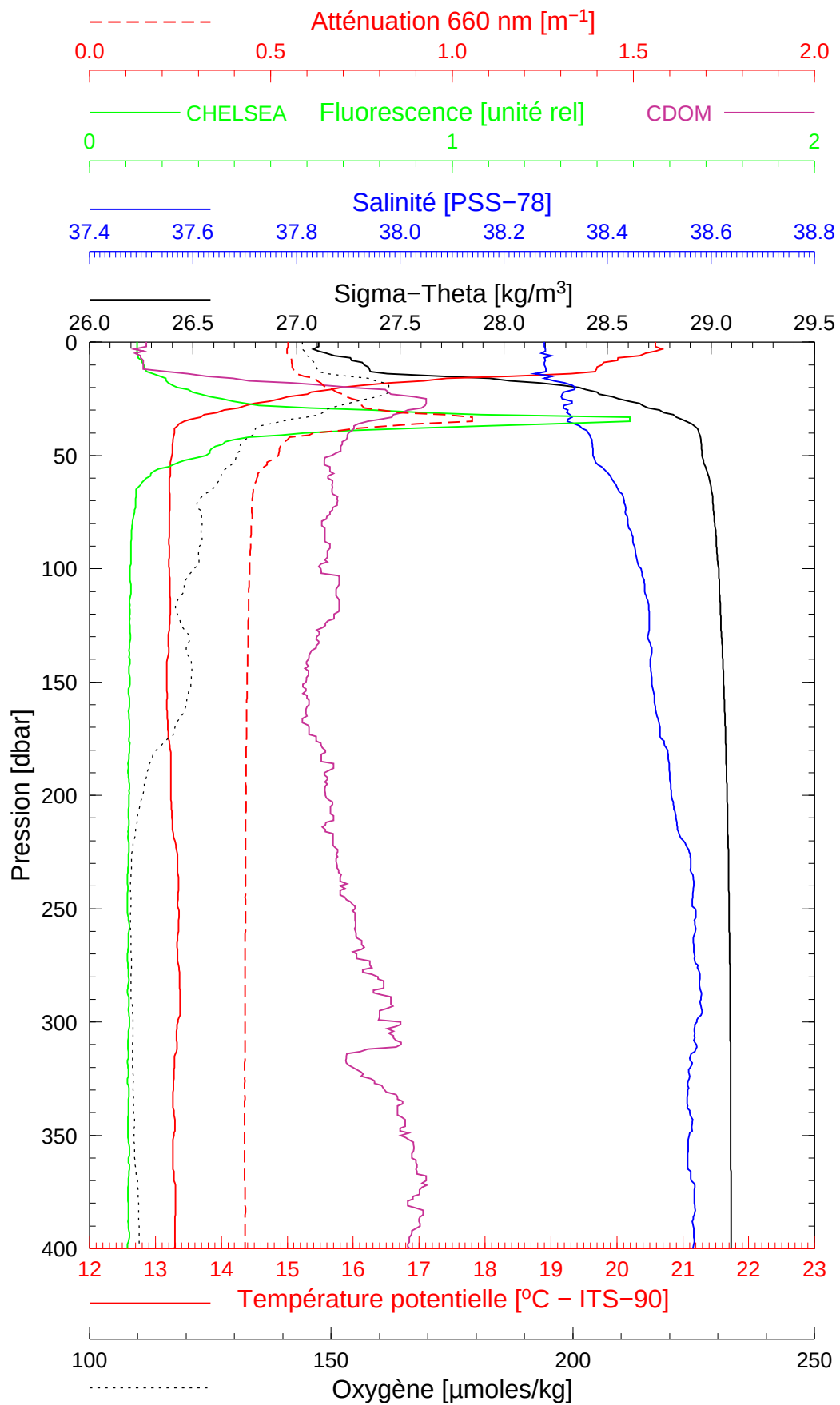
Serial number : **6326**  
Calibrated on : 24-fev-95  
Conversion factor : 753.25000000  
Ratio multiplier : 1.00000000

Boussole 65

21/06/2007

BOUS070621\_01

BOUS001



Date 21/06/2007  
Heure déb 13h 33min [TU]

Latitude  $43^{\circ}22.164$  N  
Longitude  $07^{\circ}54.170$  E

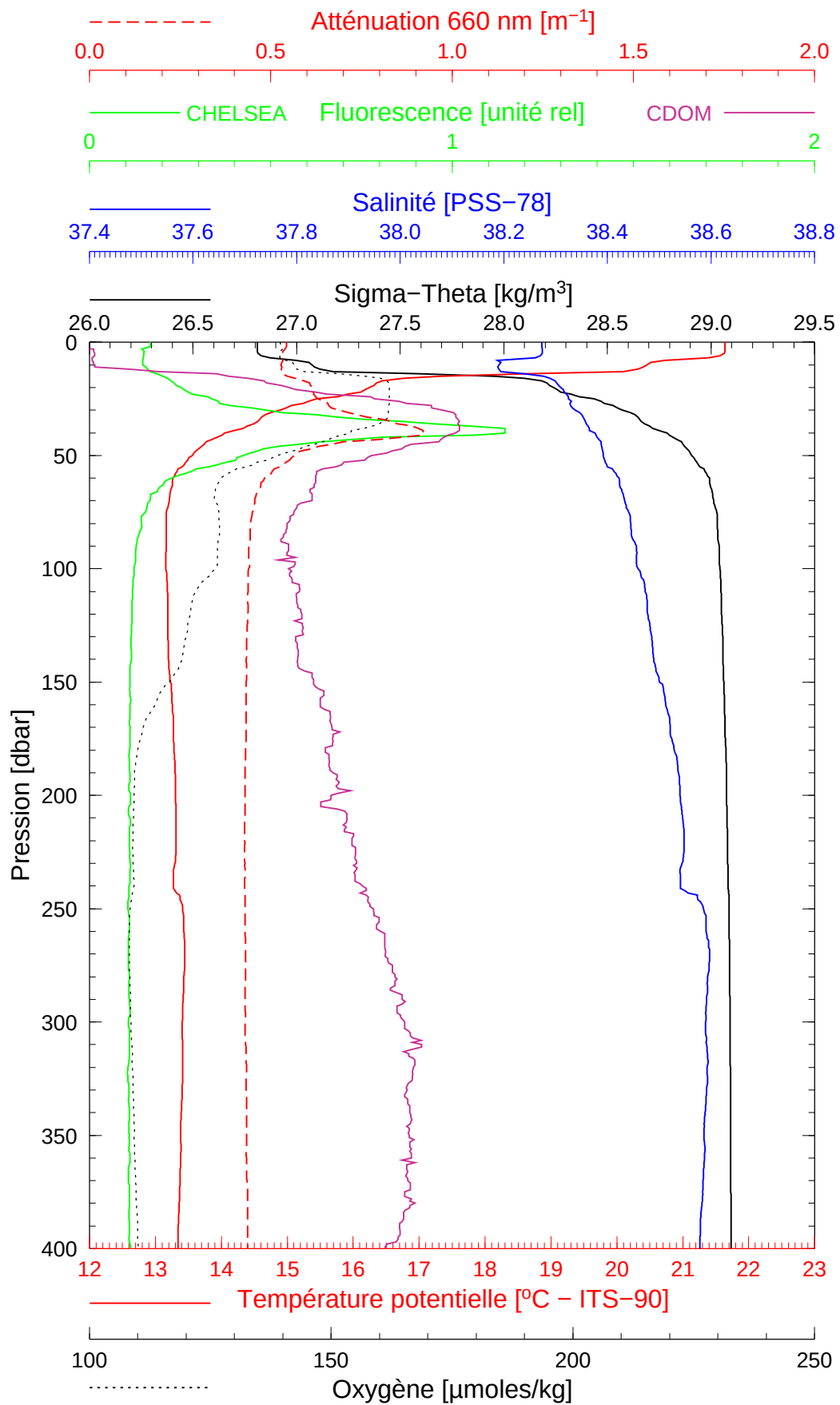


Boussole 65

21/06/2007

BOUS070621\_02

BOUS002



Date 21/06/2007  
Heure déb 15h 17min [TU]

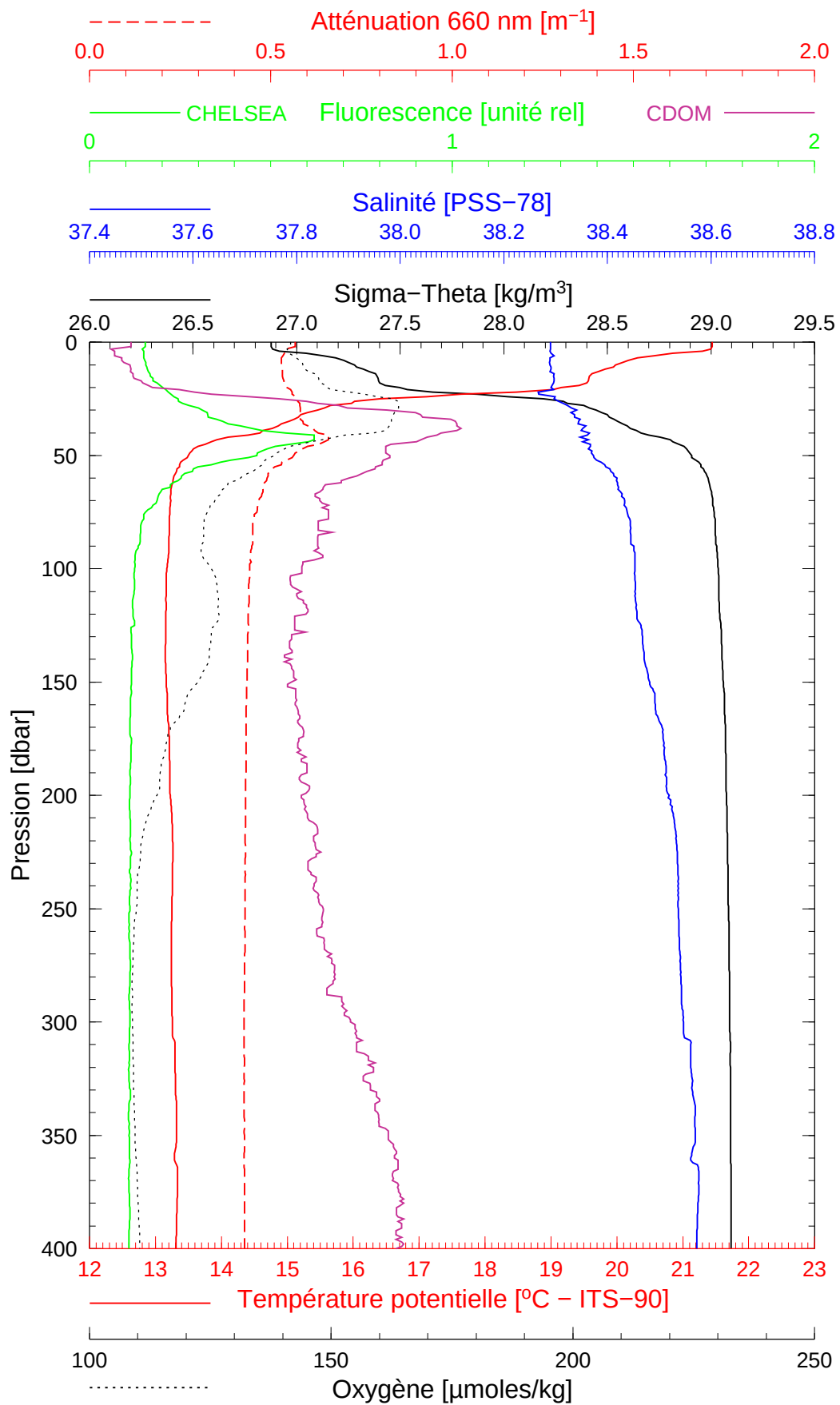
Latitude 43°24.778 N  
Longitude 07°47.903 E

Boussole 65

21/06/2007

BOUS070621\_03

BOUS003



Date 21/06/2007  
Heure déb 16h 22min [TU]

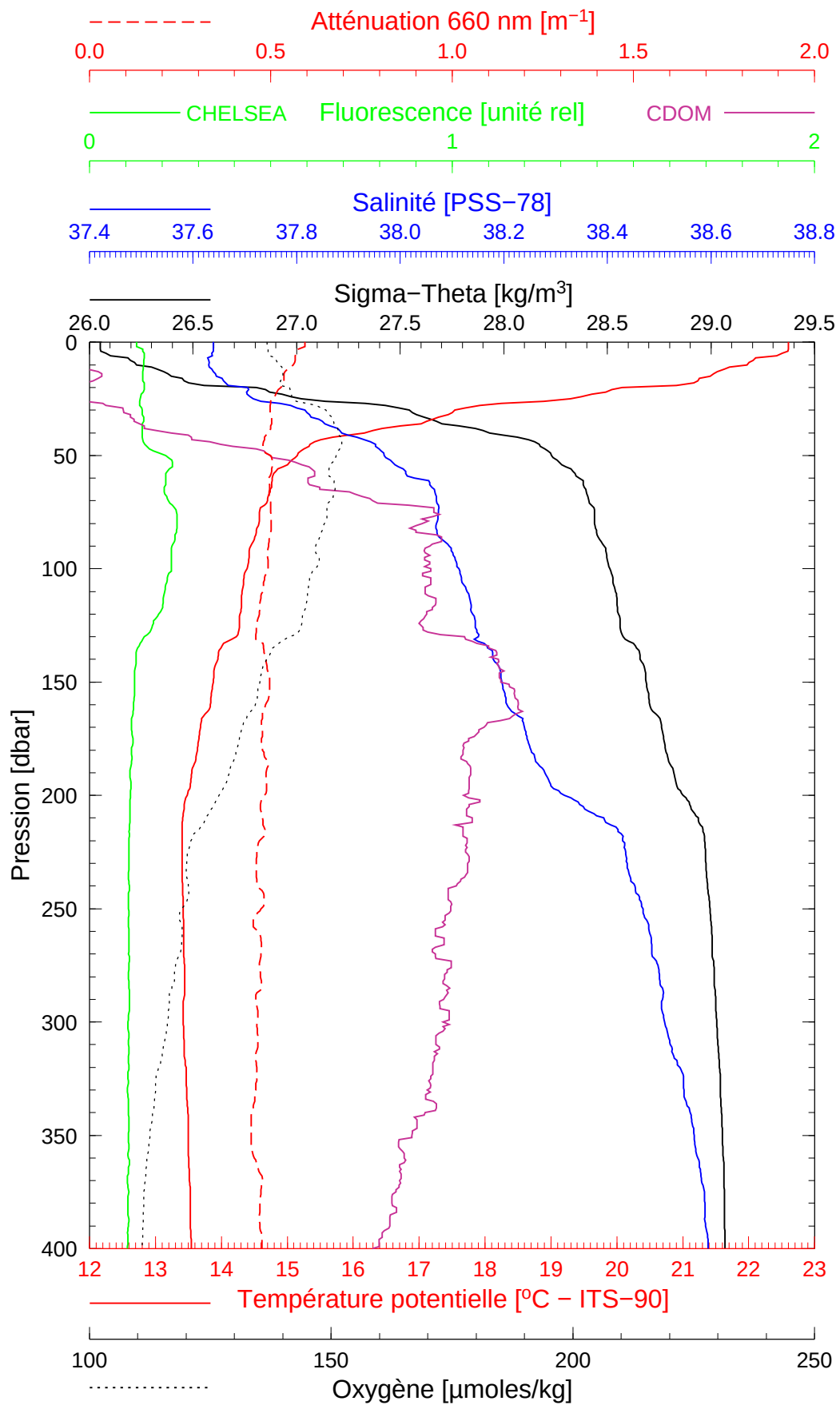
Latitude  $43^{\circ}27.944$  N  
Longitude  $07^{\circ}42.418$  E

Boussole 65

22/06/2007

BOUS070622\_01

BOUS004



Date 22/06/2007  
Heure déb 08h 03min [TU]

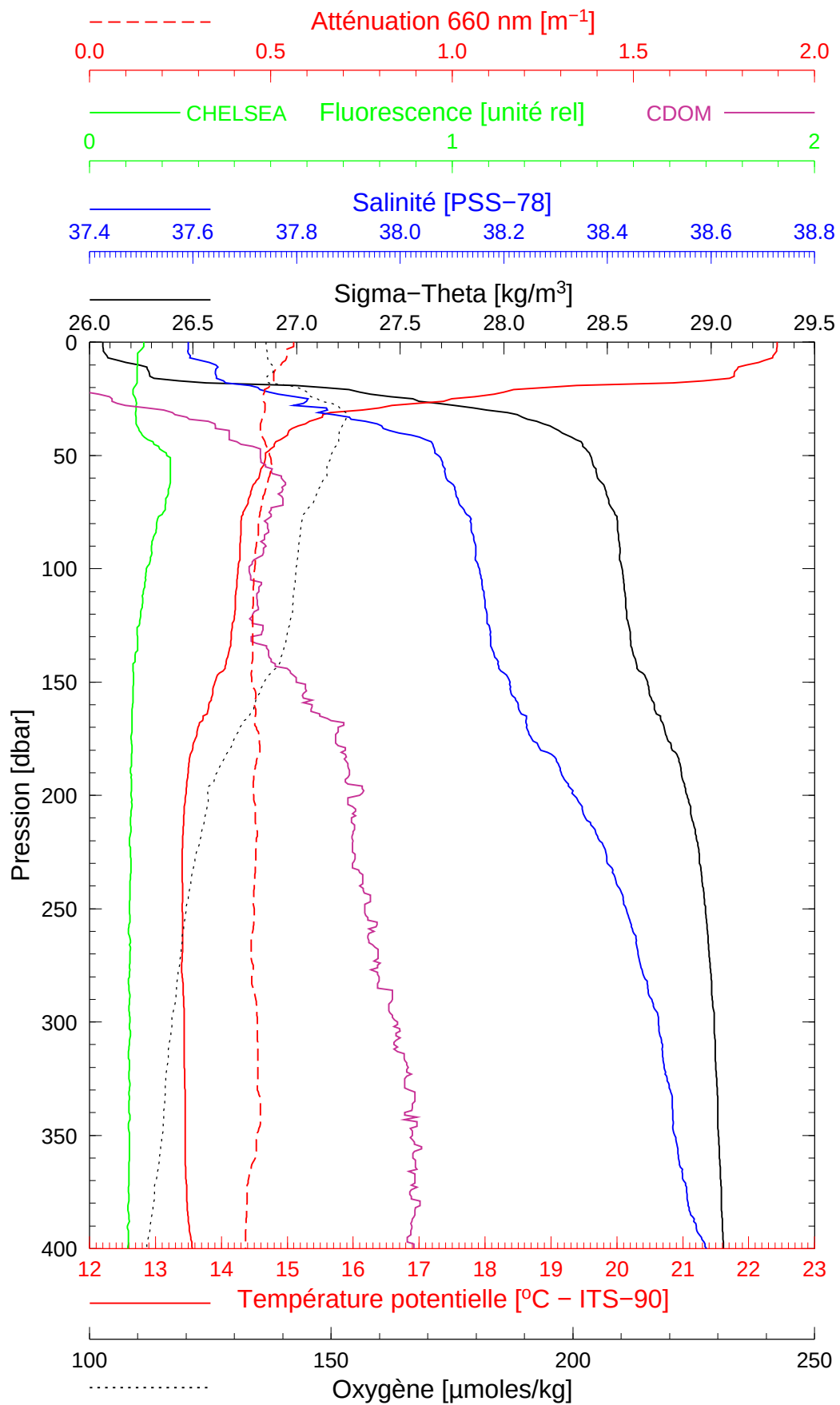
Latitude  $43^{\circ}38.816$  N  
Longitude  $07^{\circ}20.641$  E

Boussole 65

22/06/2007

BOUS070622\_02

BOUS005



Date 22/06/2007  
Heure déb 08h 55min [TU]

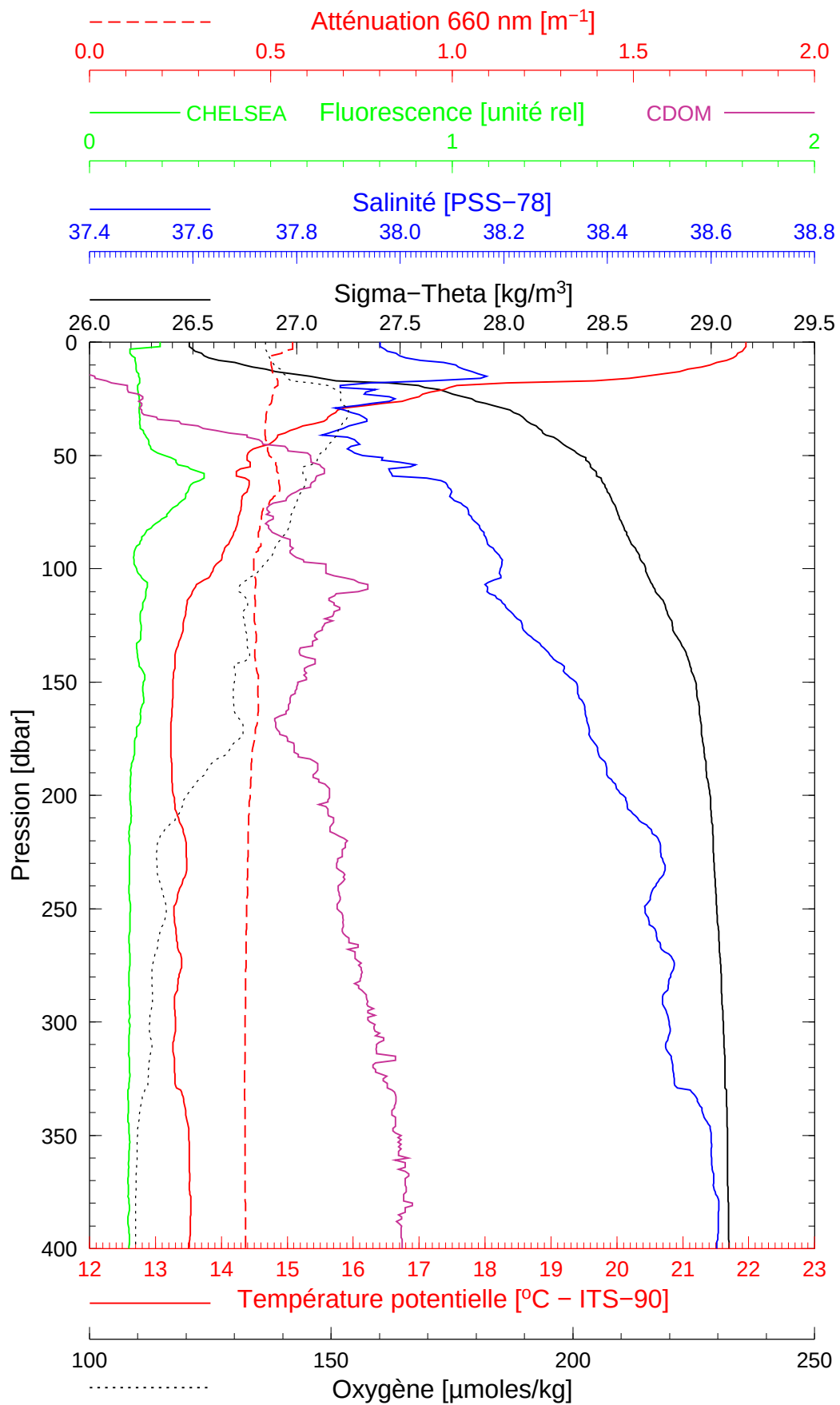
Latitude  $43^{\circ}37.413$  N  
Longitude  $07^{\circ}24.949$  E

Boussole 65

22/06/2007

BOUS070622\_03

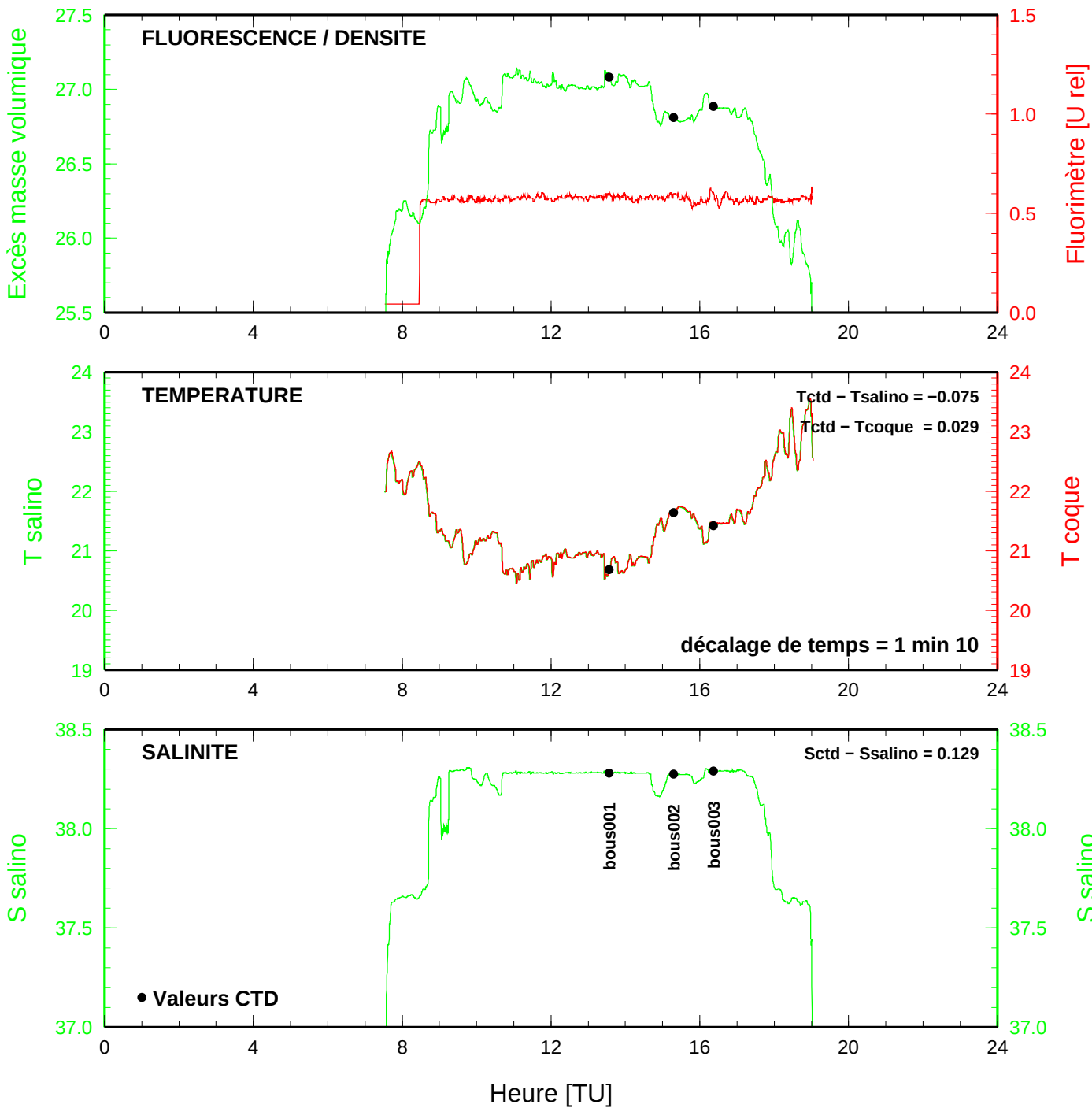
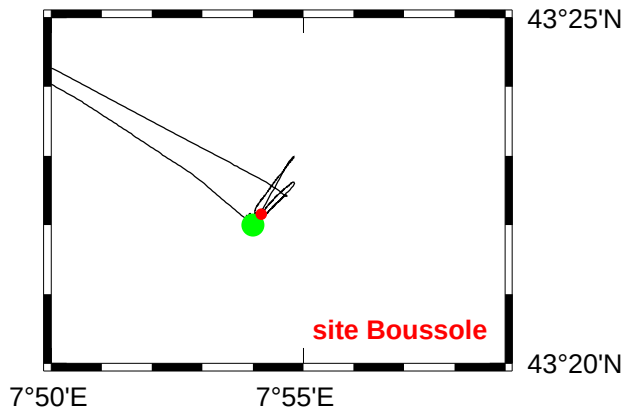
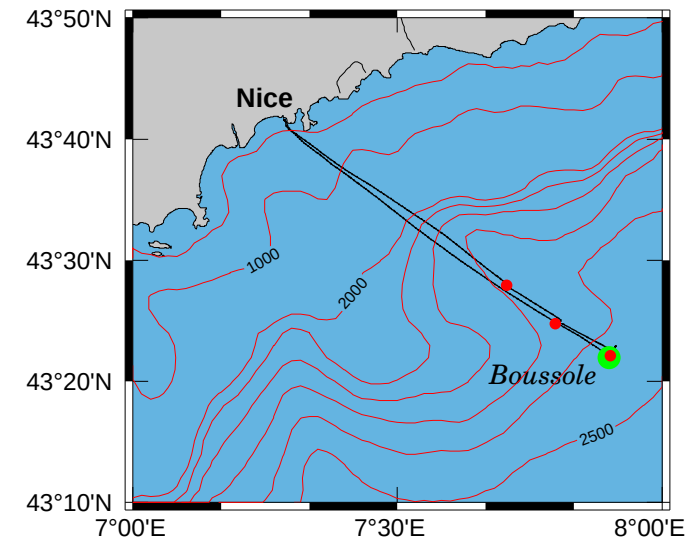
BOUS006



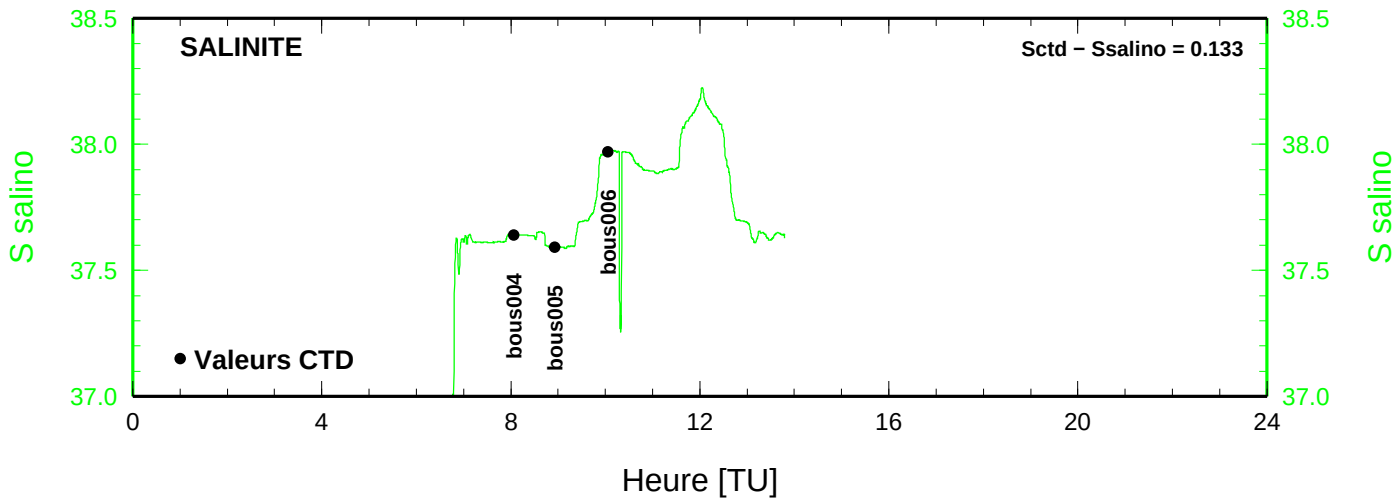
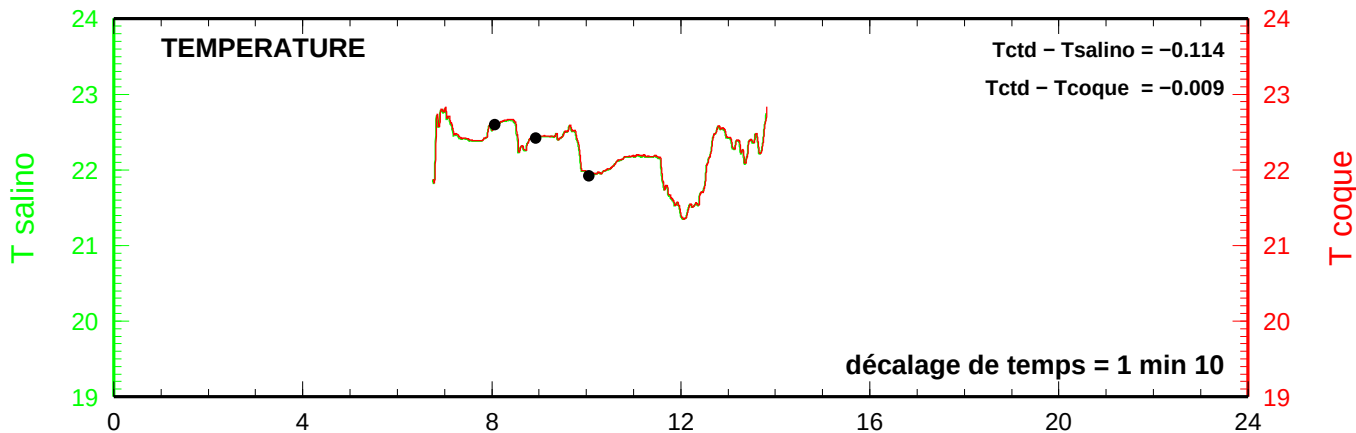
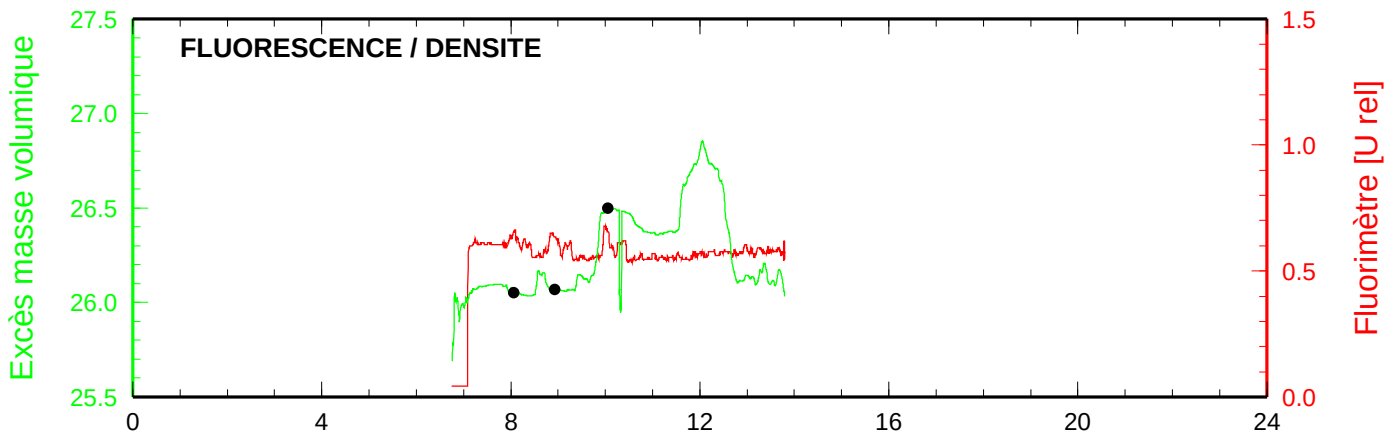
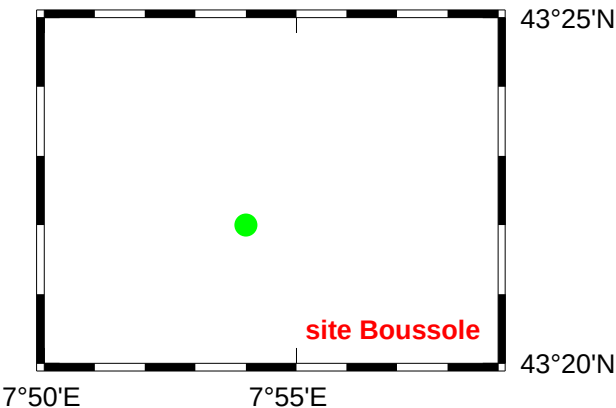
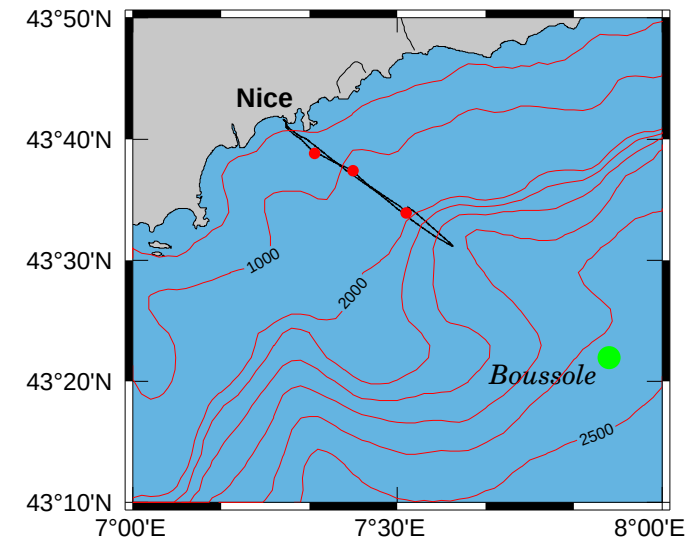
Date 22/06/2007  
Heure déb 10h 02min [TU]

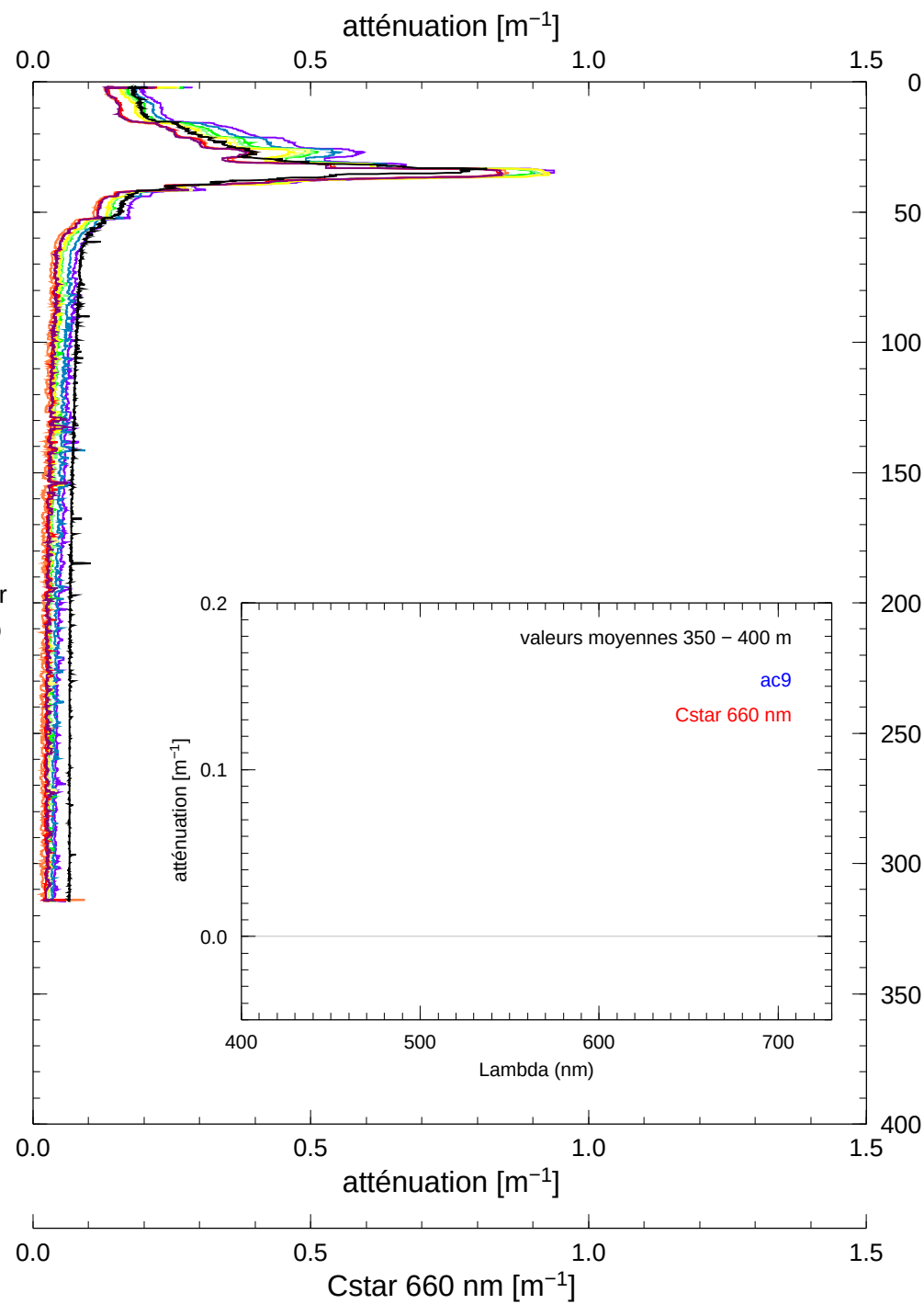
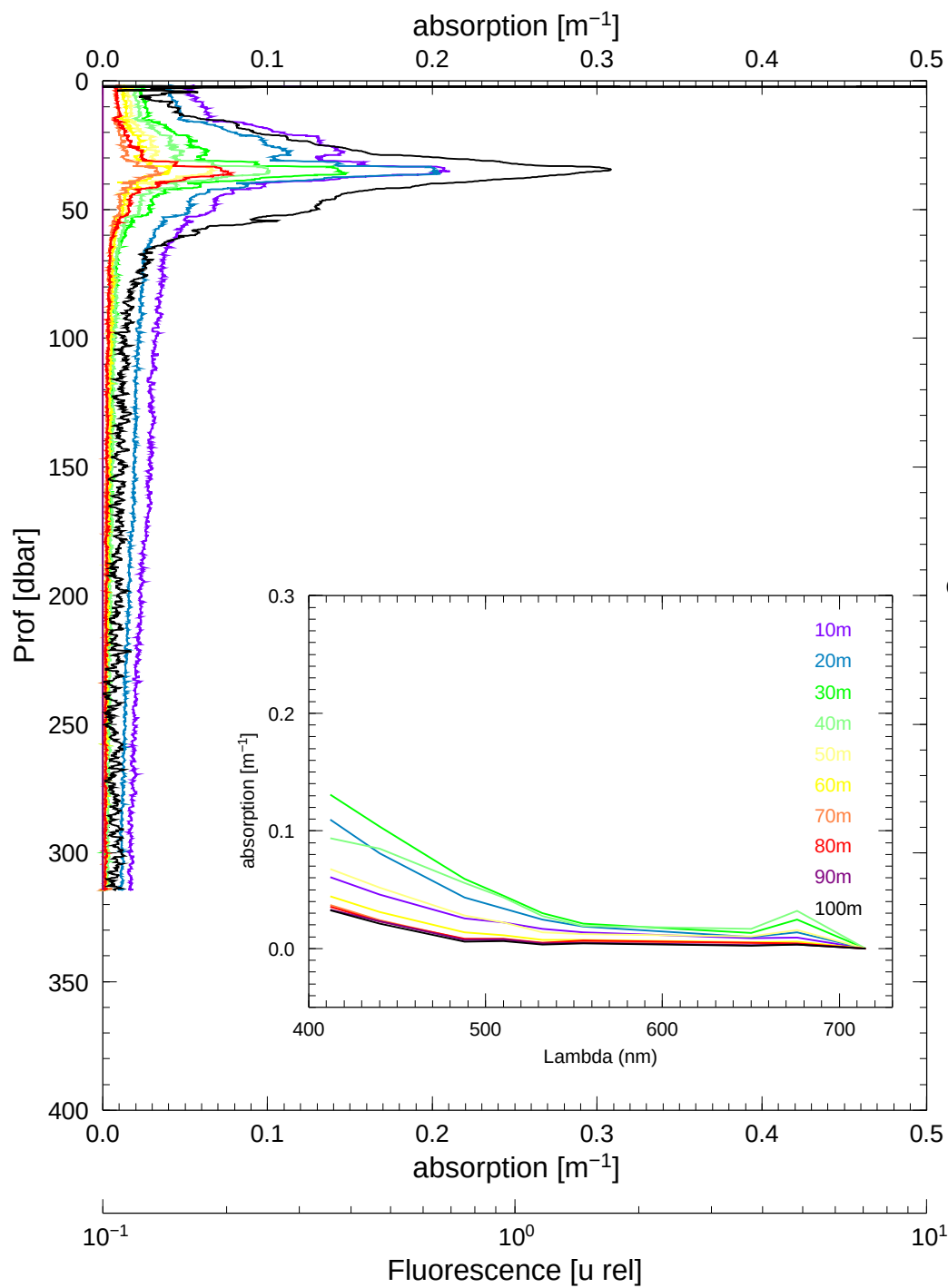
Latitude  $43^{\circ}33.946\text{ N}$   
Longitude  $07^{\circ}30.993\text{ E}$

BOUSSOLE 65 21 juin 2007

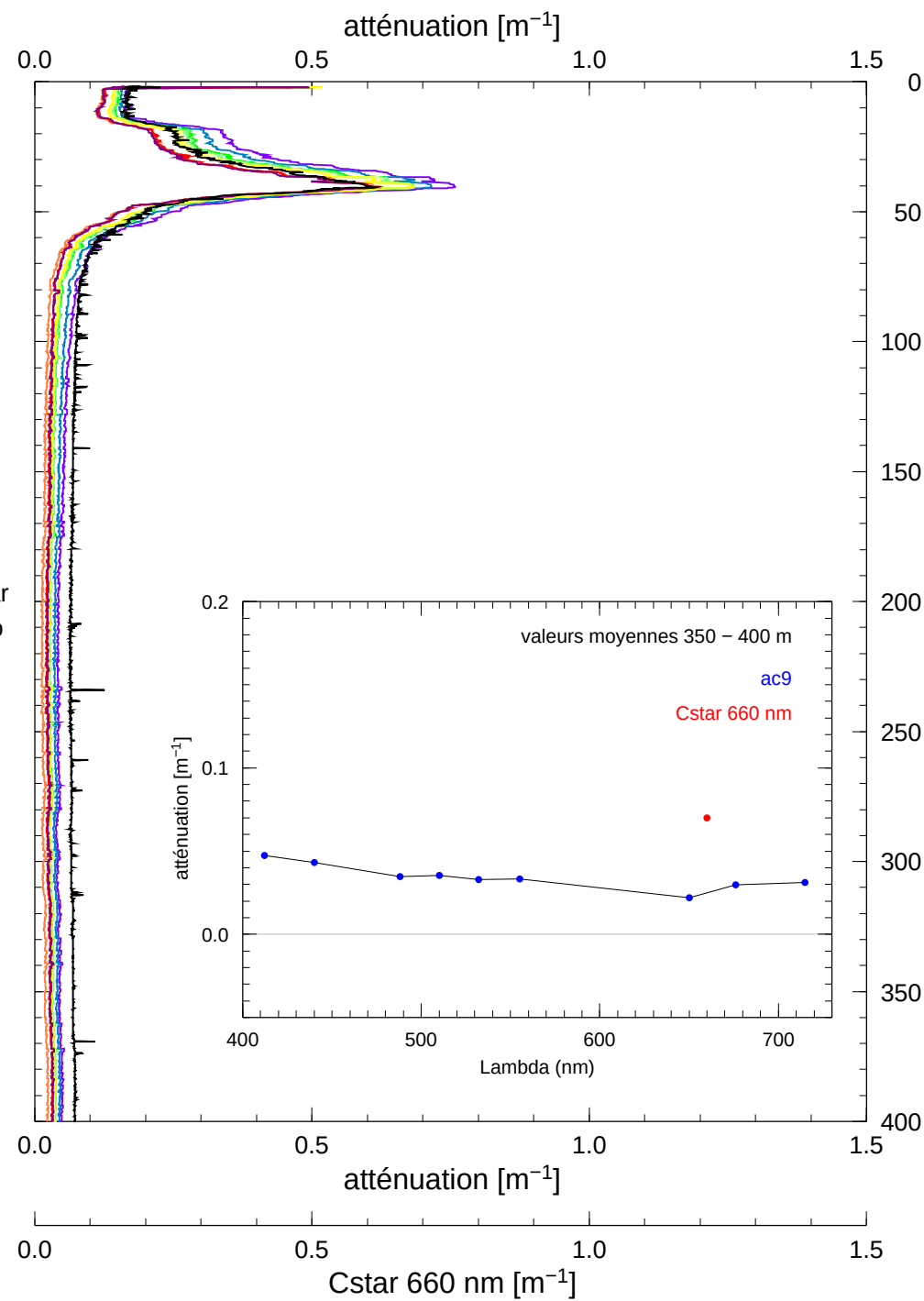
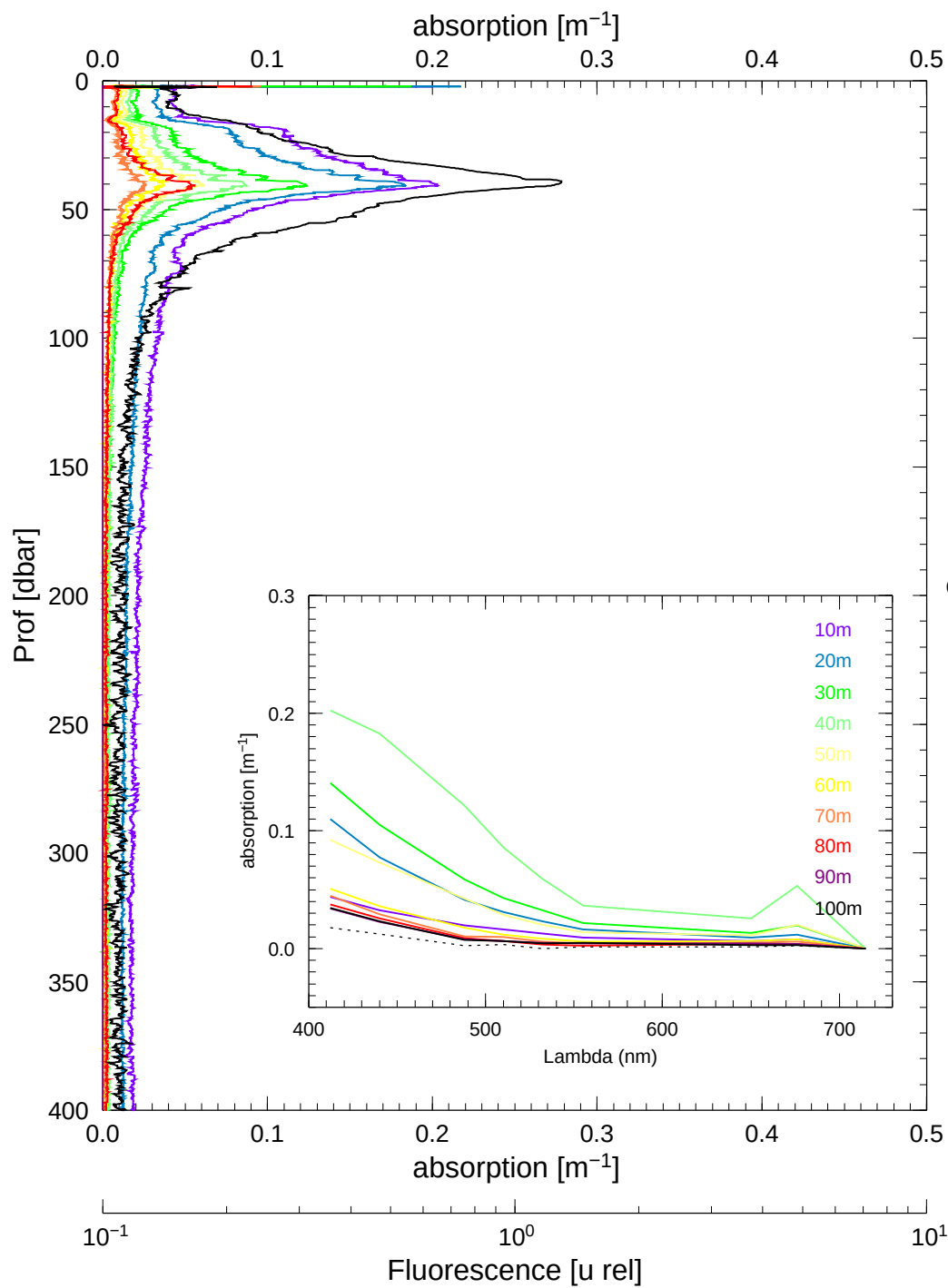


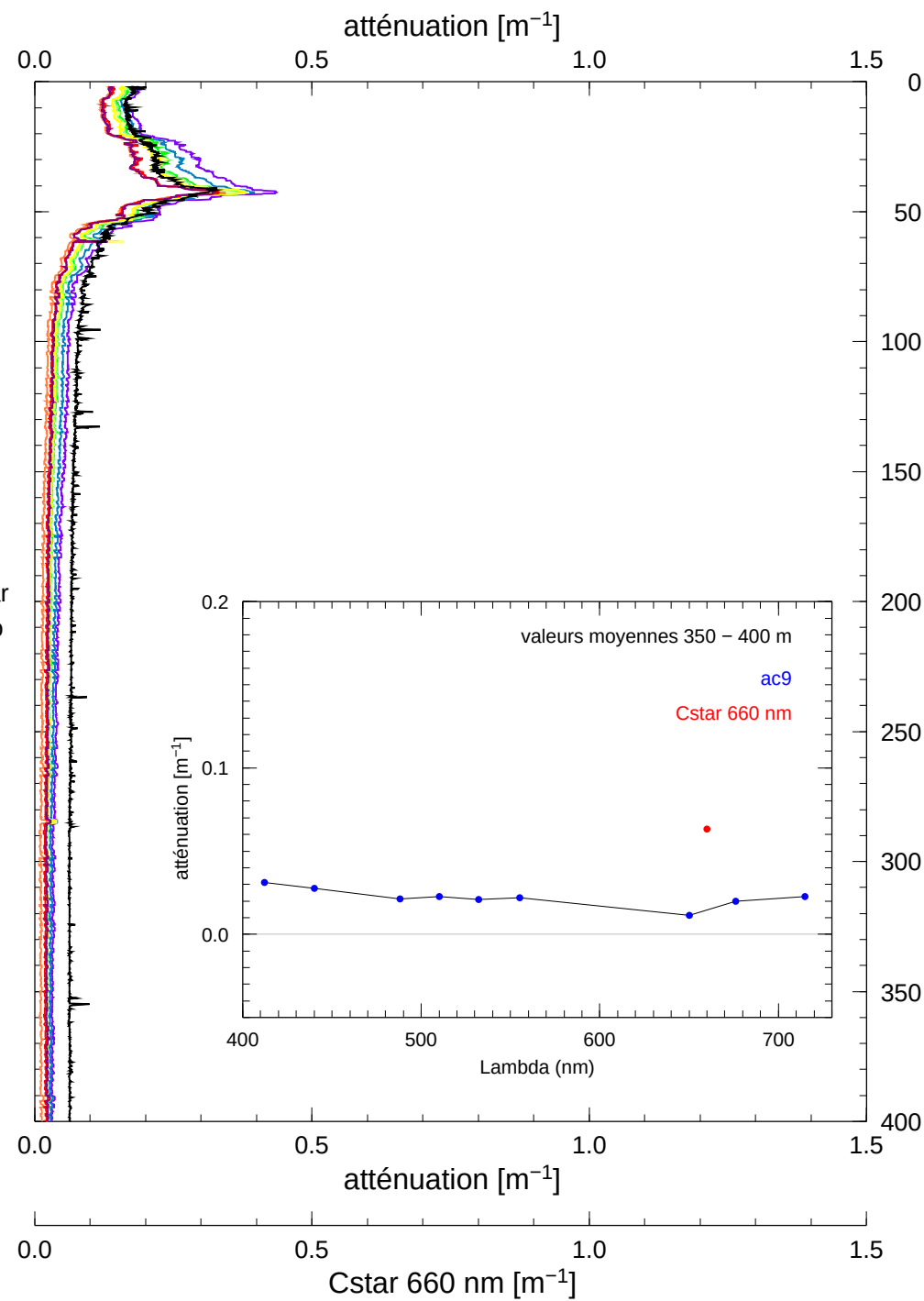
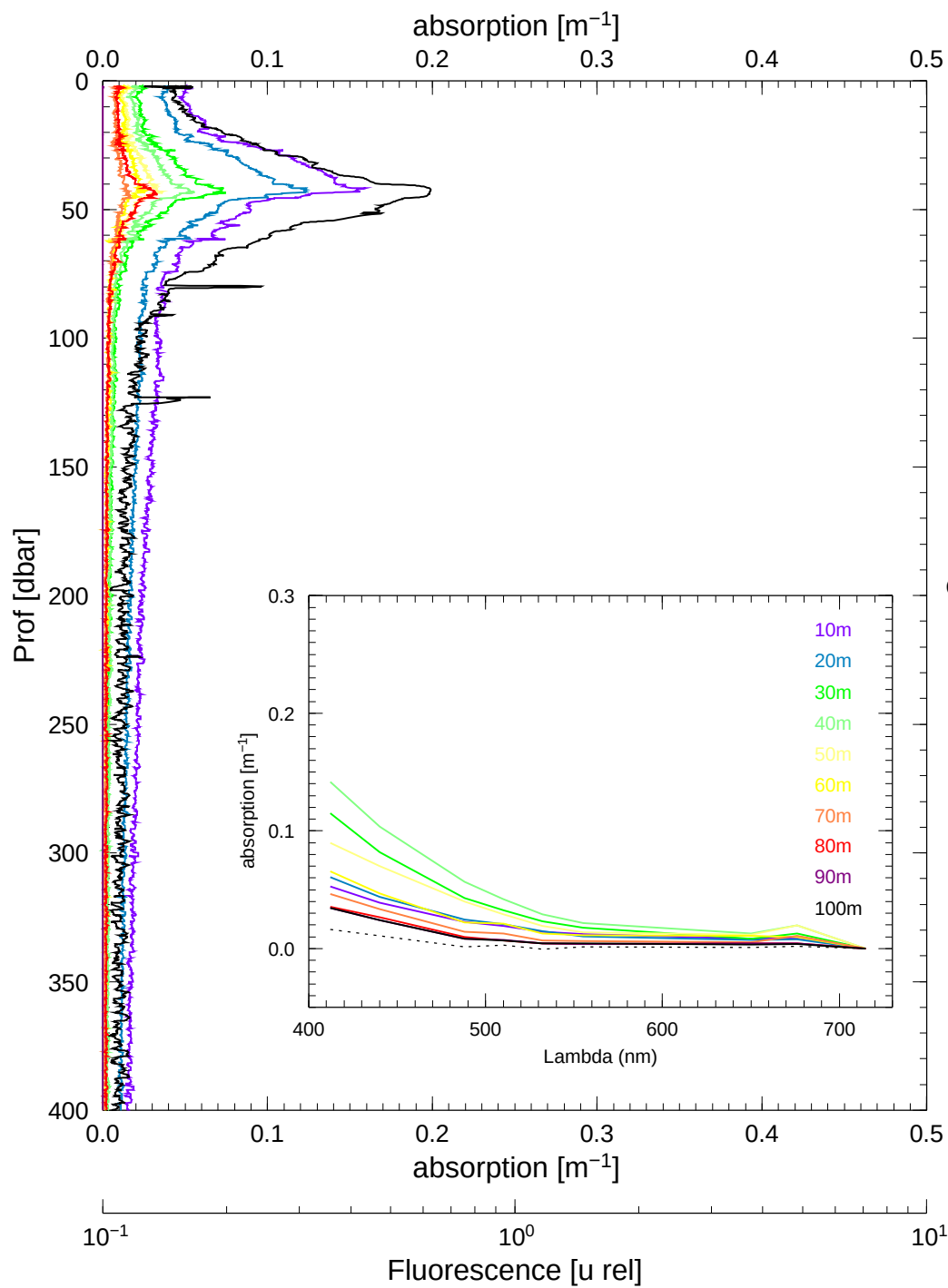
BOUSSOLE 65 22 juin 2007

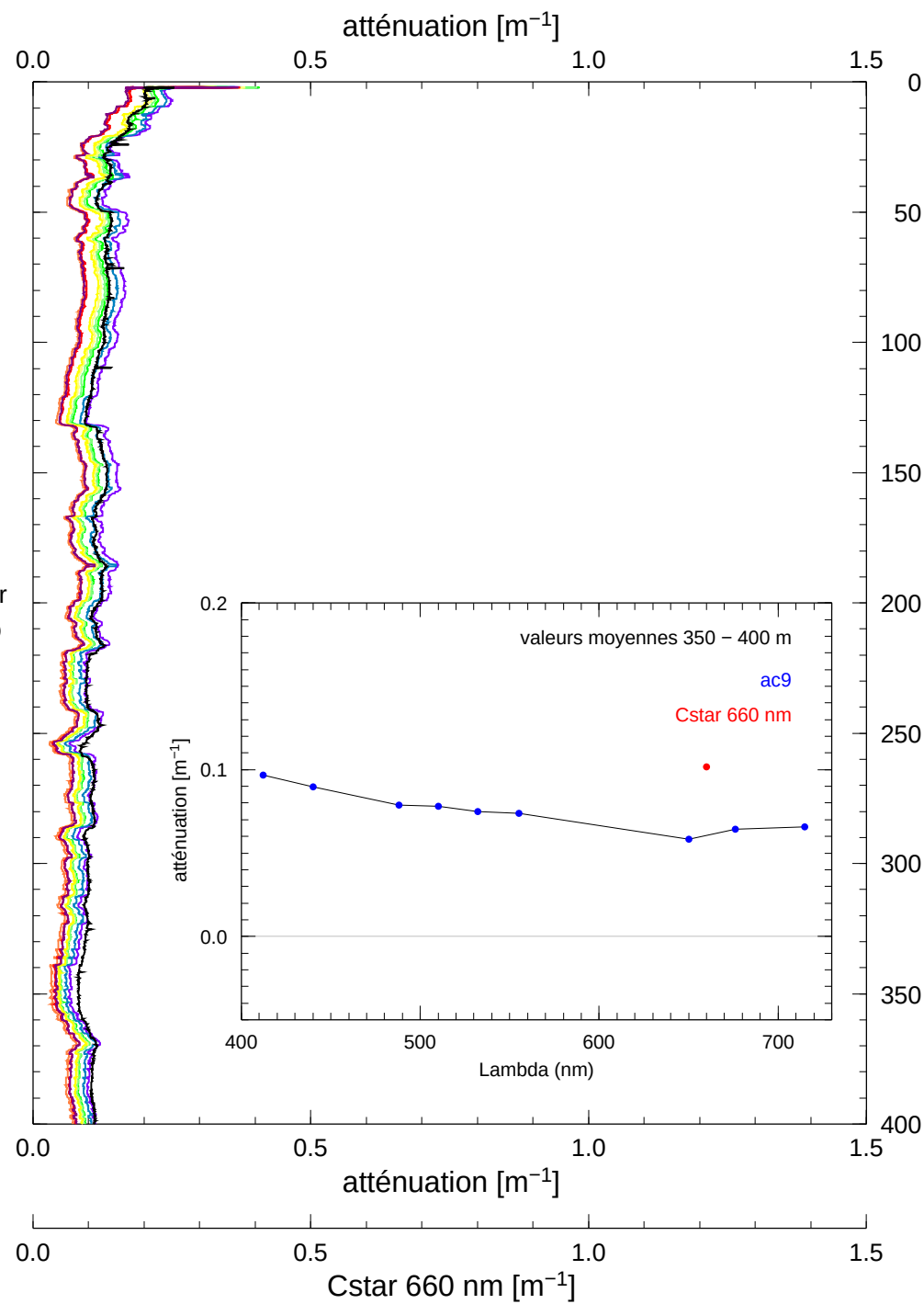


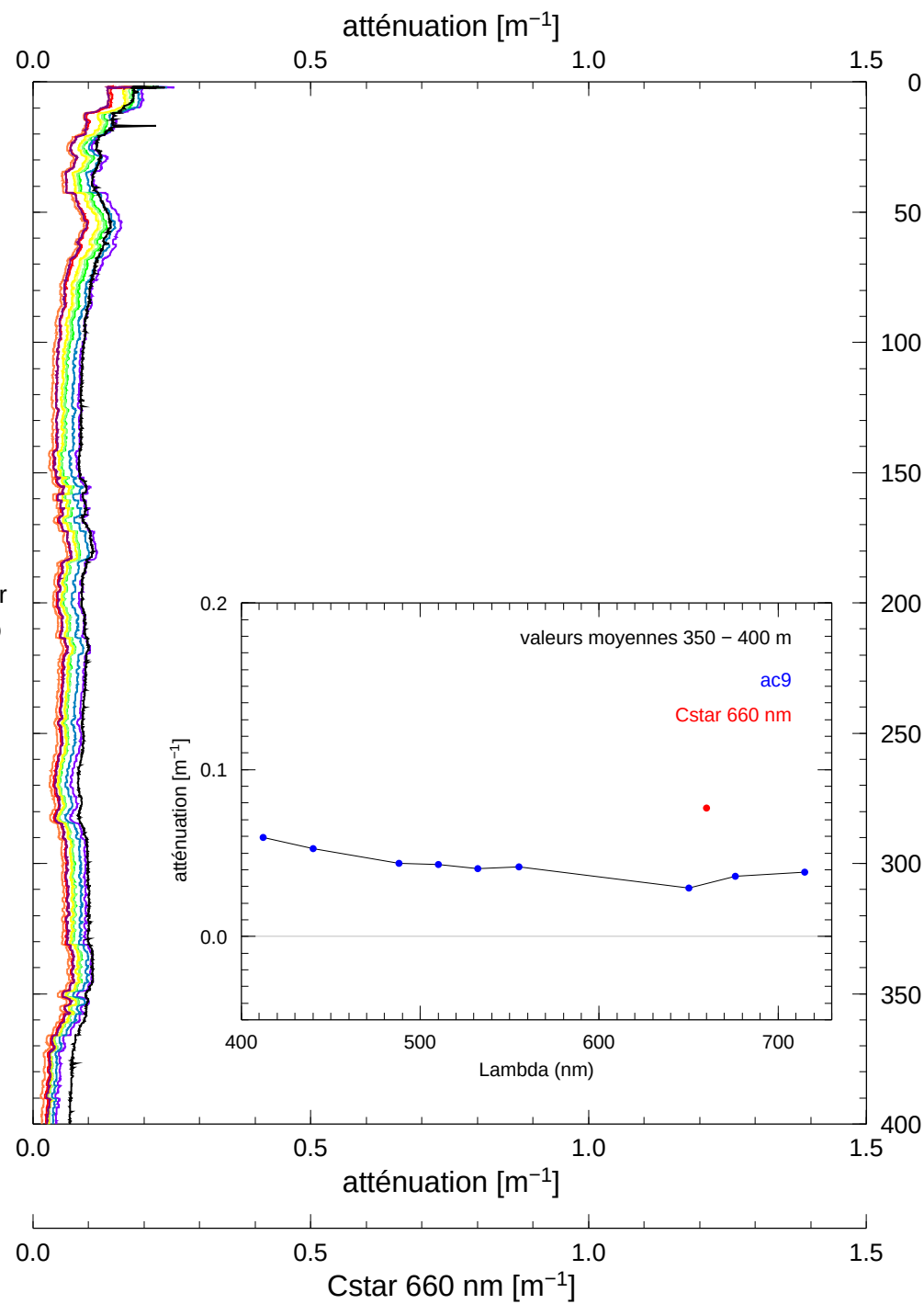
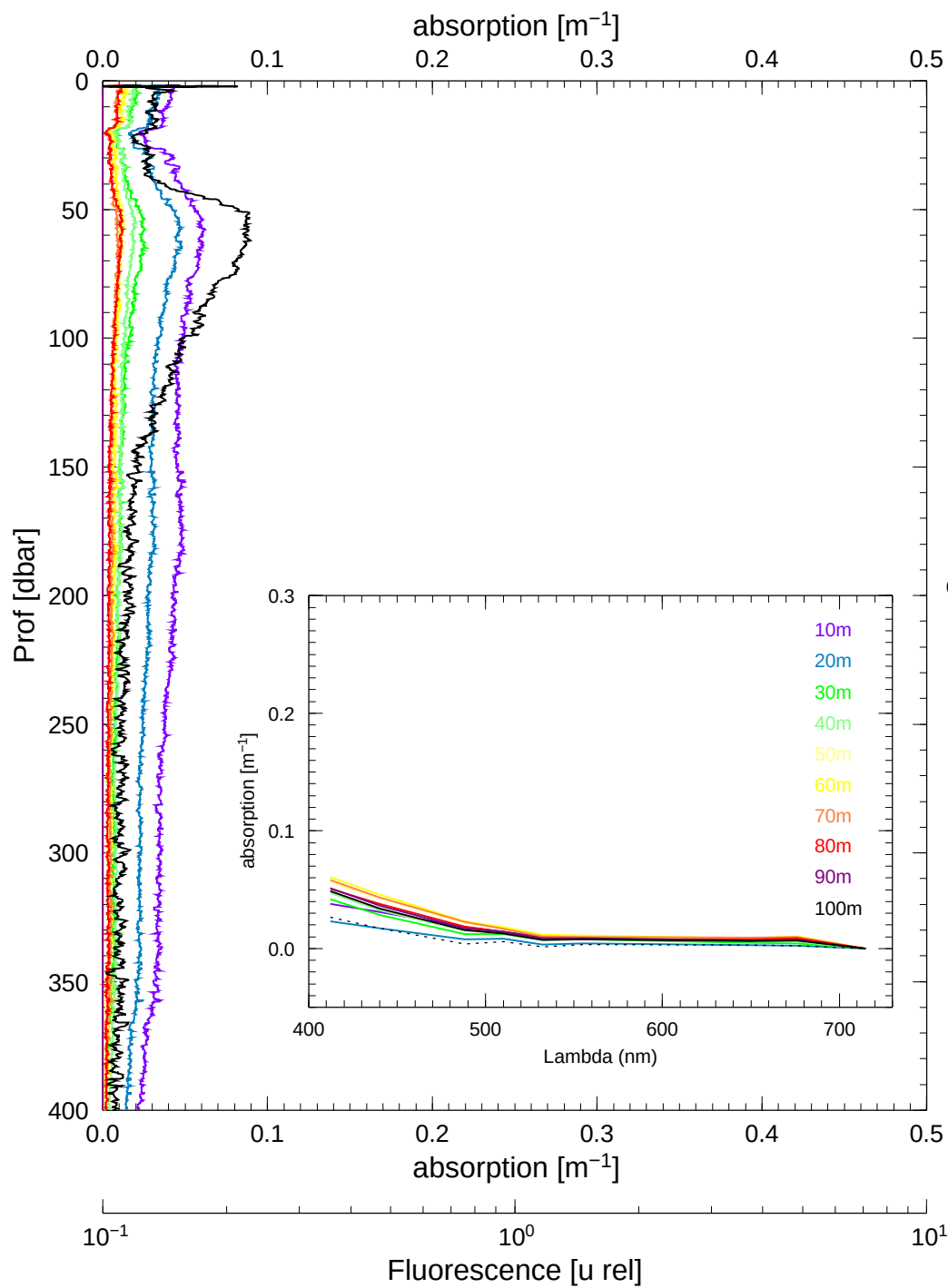


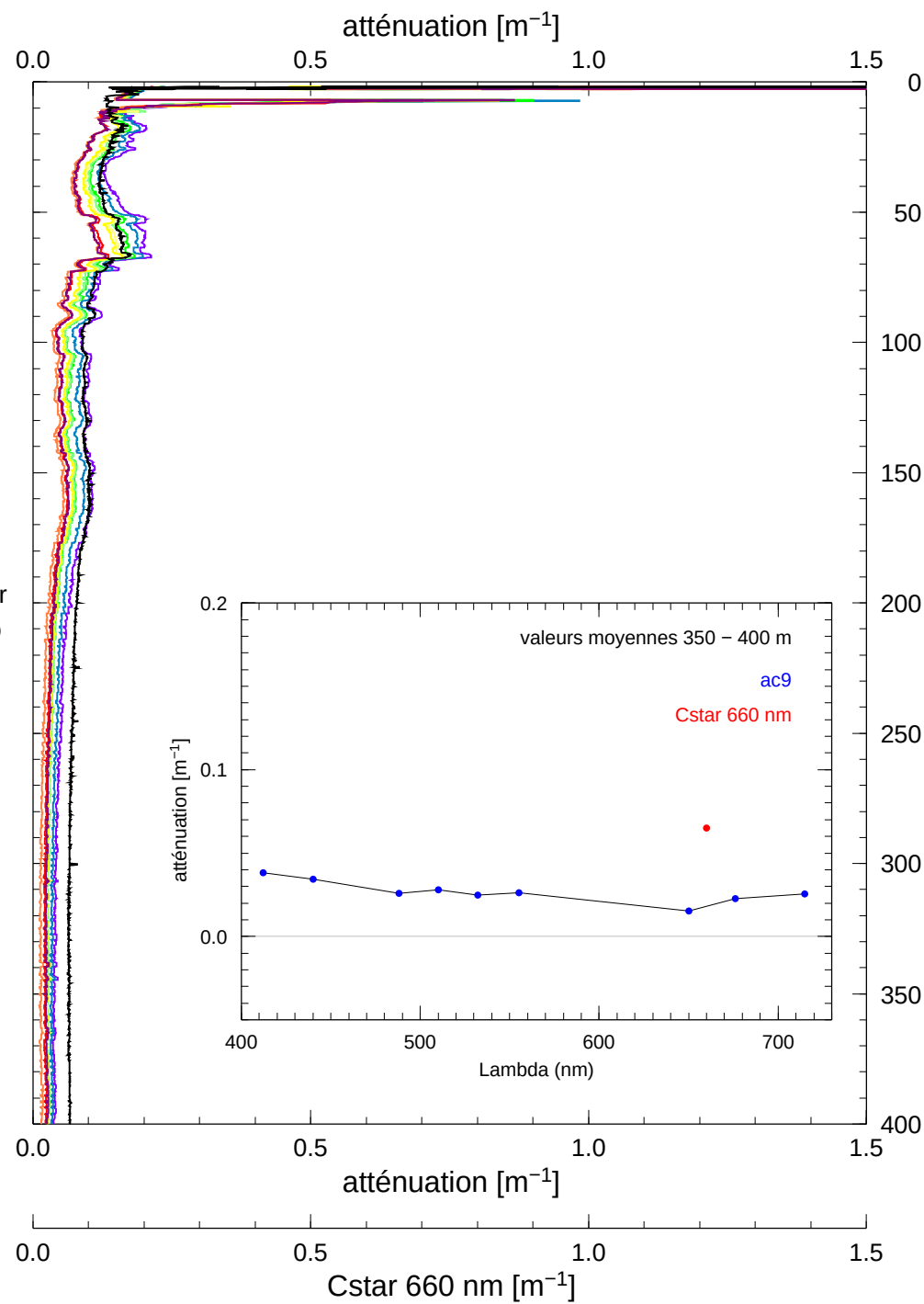
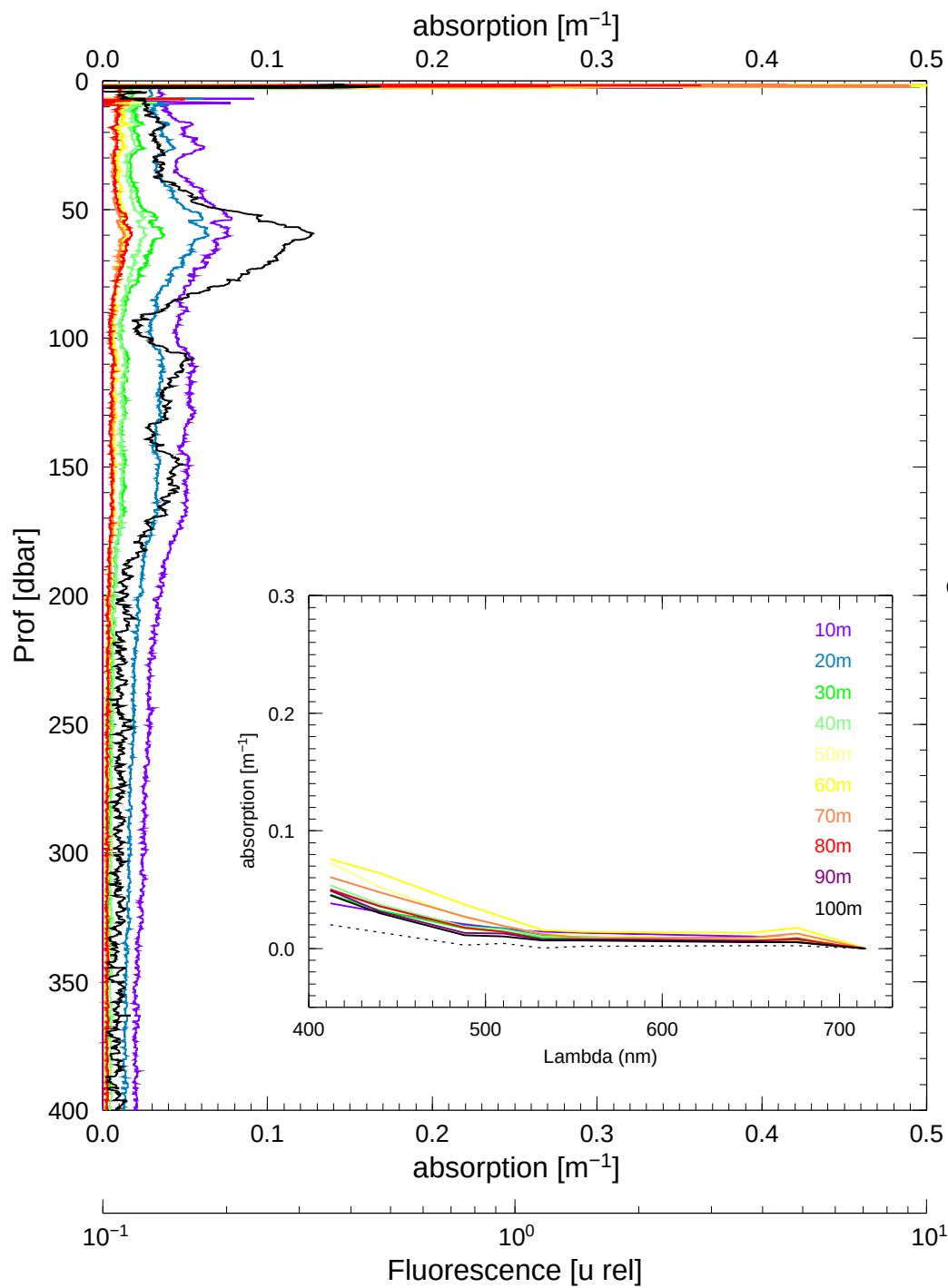


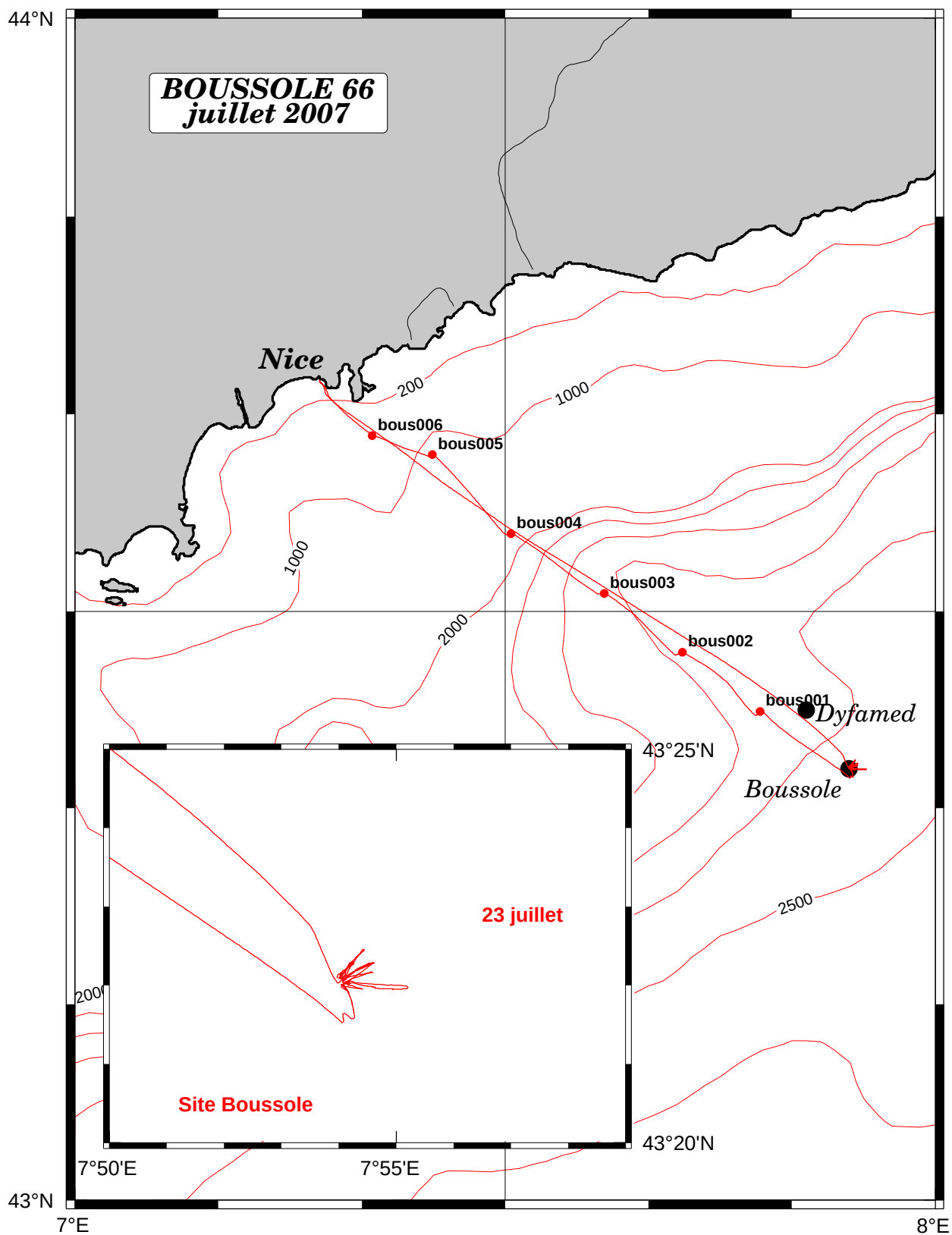










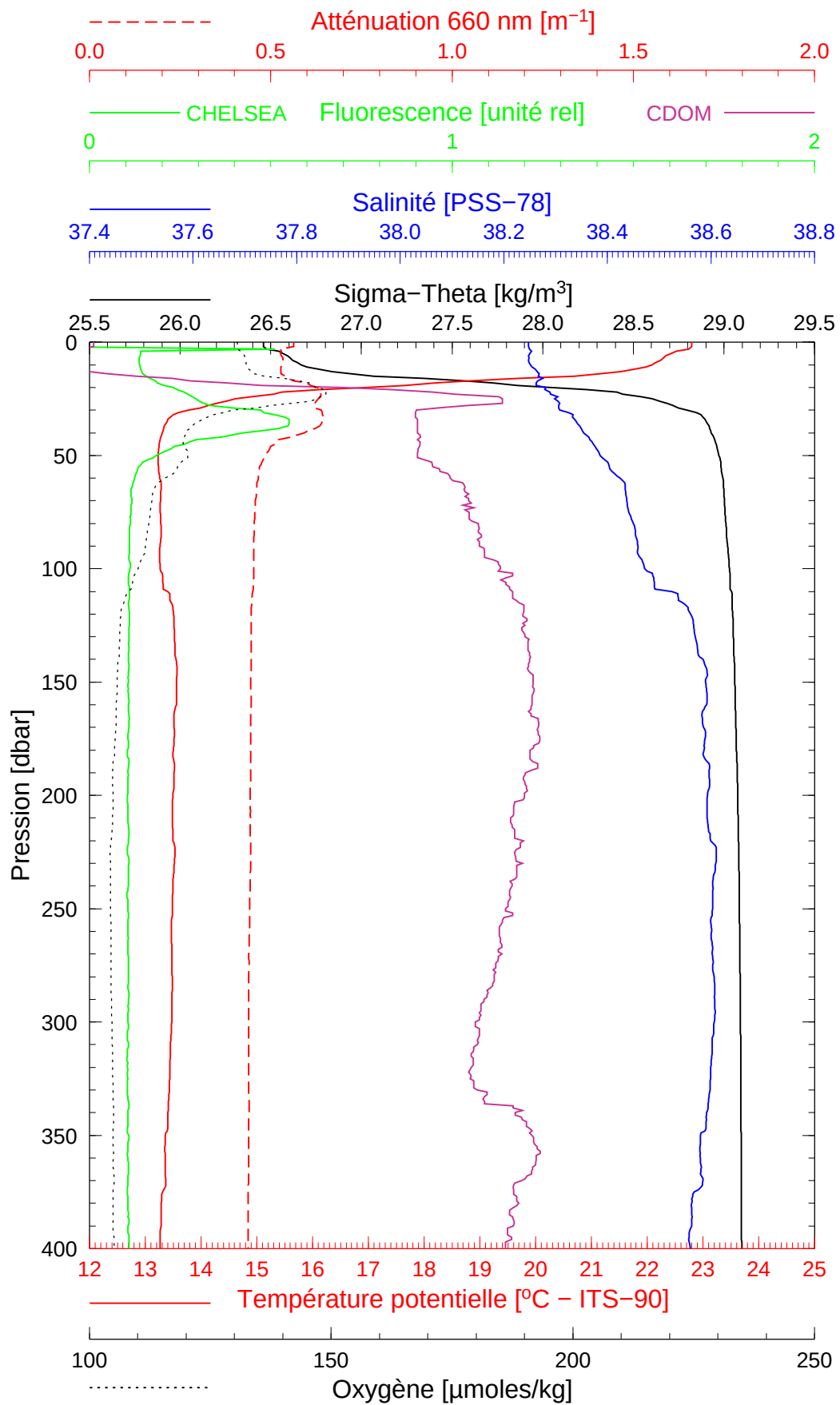


Boussole 66

23/07/2007

BOUS070723\_01

BOUS001



Date 23/07/2007  
Heure déb 15h 24min [TU]

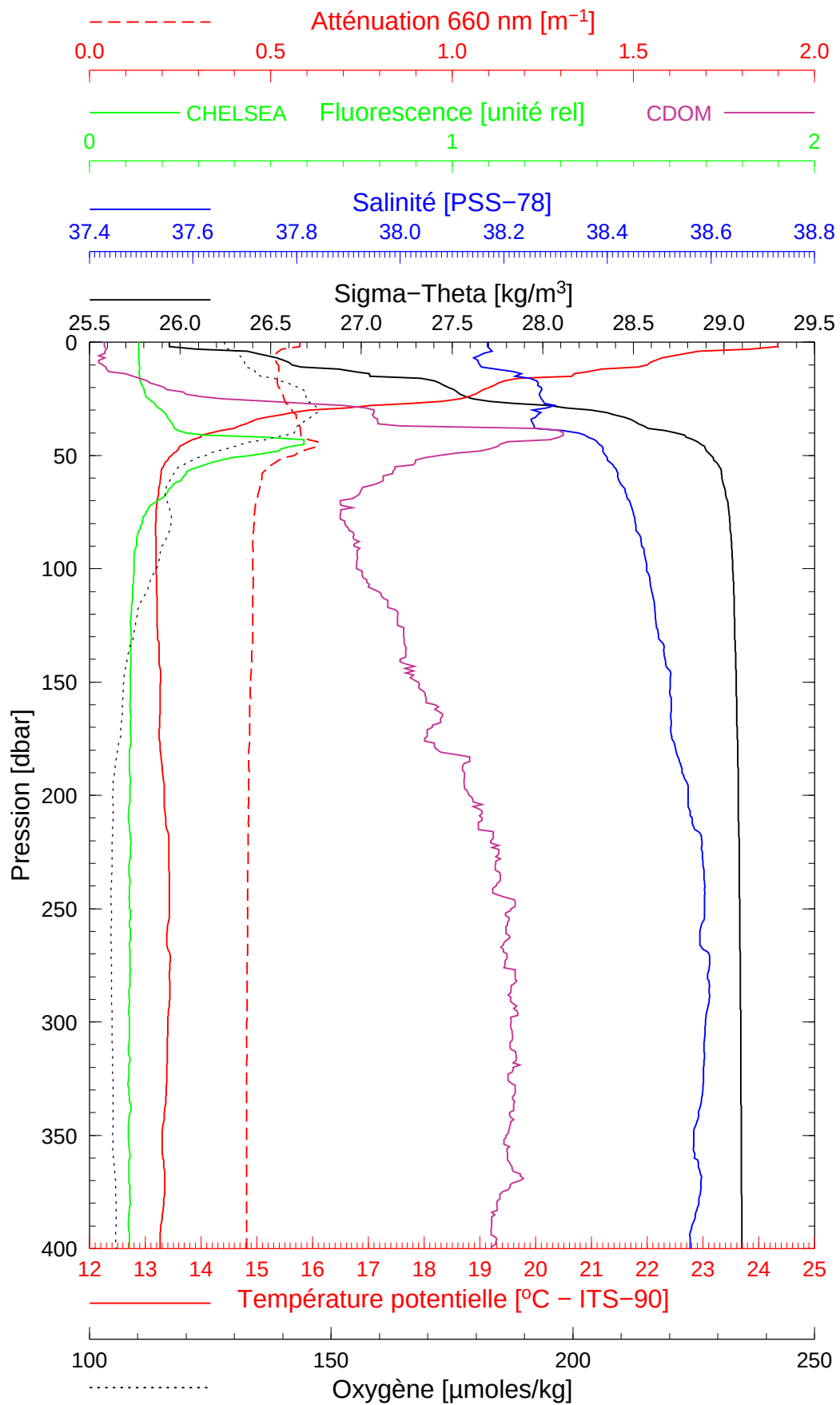
Latitude  $43^{\circ}24.912$  N  
Longitude  $07^{\circ}47.774$  E

Boussole 66

23/07/2007

BOUS070723\_02

BOUS002



Date 23/07/2007  
Heure déb 16h 31min [TU]

Latitude  $43^{\circ}27.932$  N  
Longitude  $07^{\circ}42.370$  E

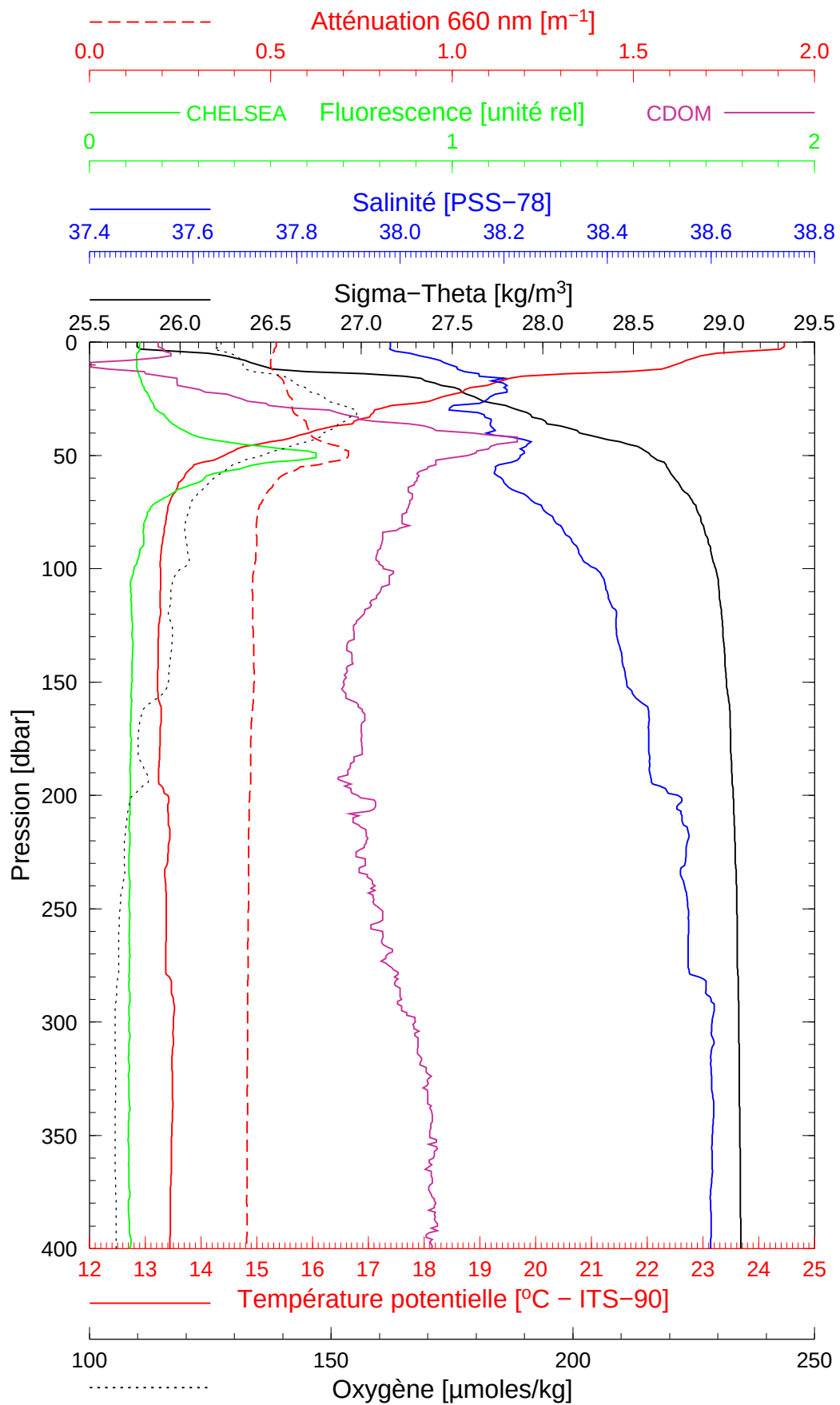


Boussole 66

23/07/2007

BOUS070723\_03

BOUS003



Date 23/07/2007  
Heure déb 17h 30min [TU]

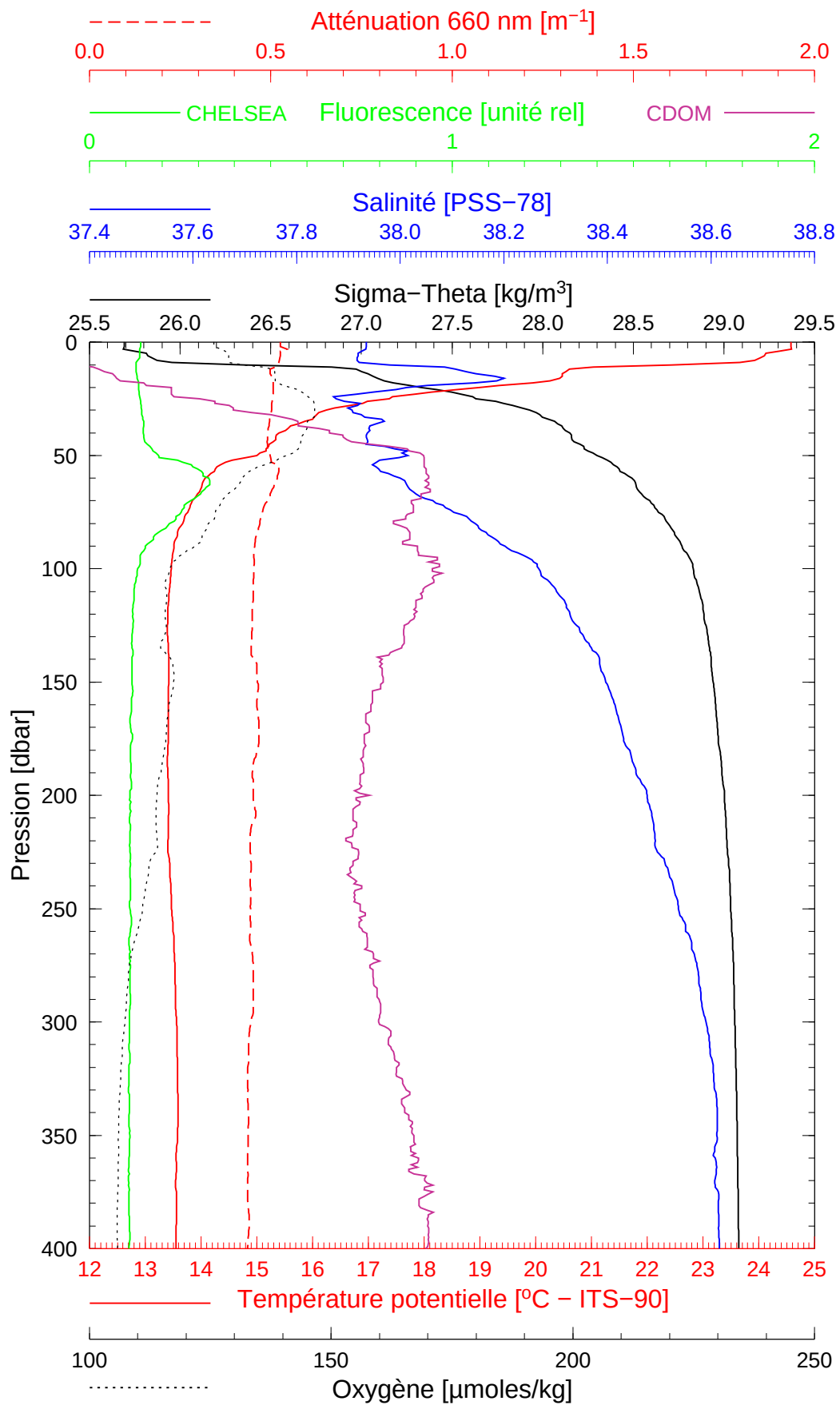
Latitude  $43^{\circ}30.912\text{ N}$   
Longitude  $07^{\circ}36.903\text{ E}$

Boussole 66

23/07/2007

BOUS070723\_04

BOUS004



Date 23/07/2007  
Heure déb 18h 34min [TU]

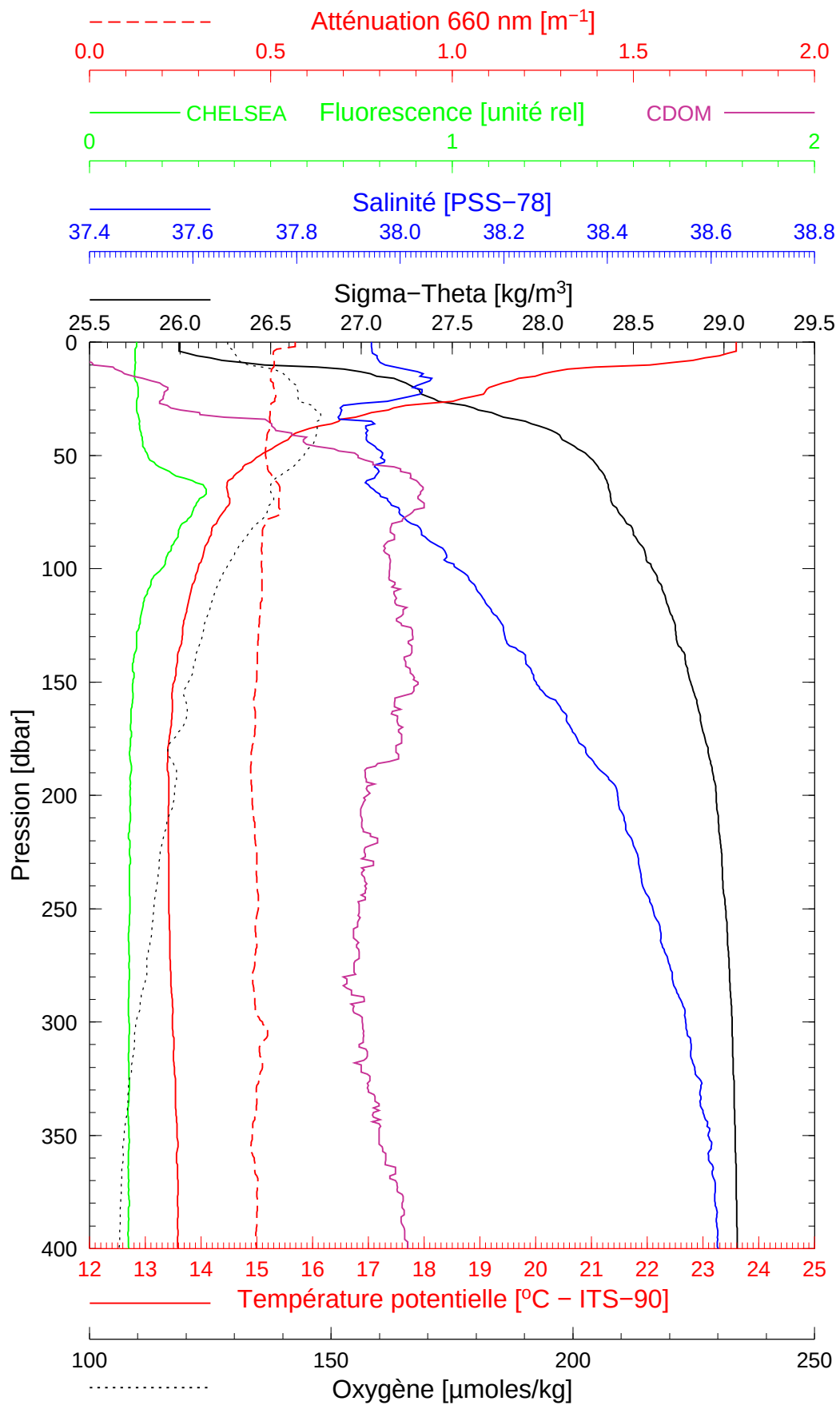
Latitude  $43^{\circ}33.957\text{ N}$   
Longitude  $07^{\circ}30.426\text{ E}$

Boussole 66

23/07/2007

BOUS070723\_05

BOUS005



Date 23/07/2007  
Heure déb 19h 37min [TU]

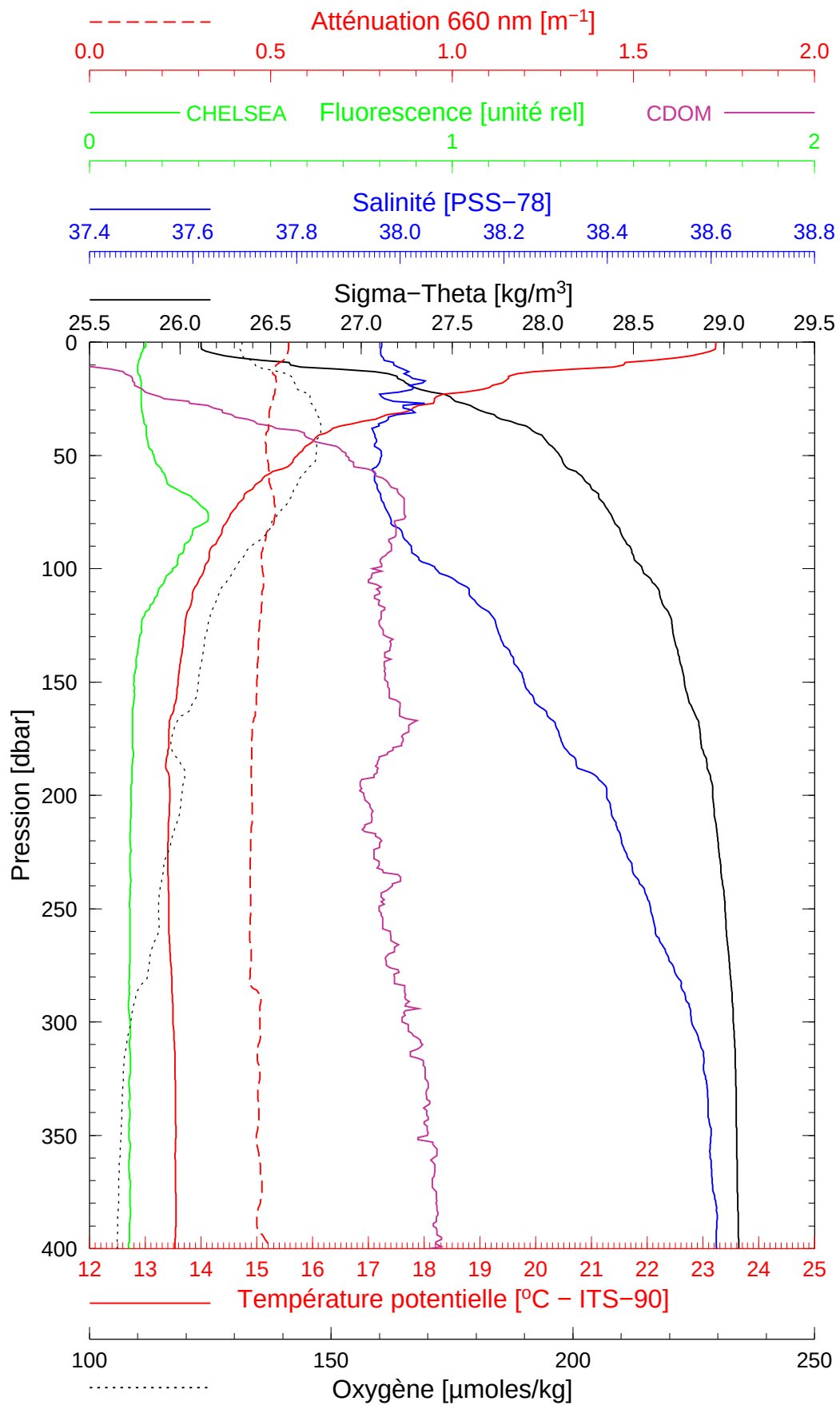
Latitude 43°37.956 N  
Longitude 07°24.936 E

Boussole 66

23/07/2007

BOUS070723\_06

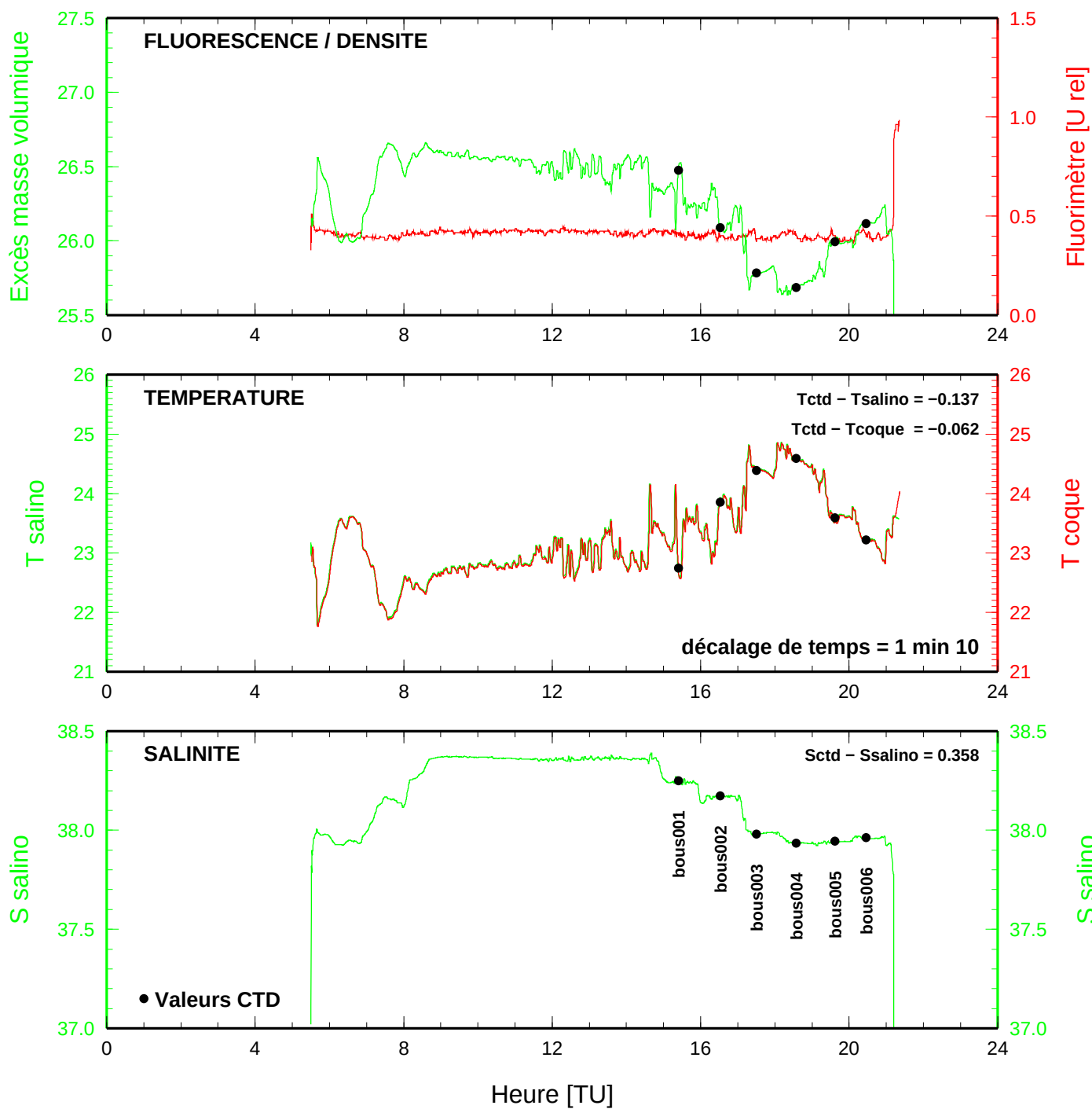
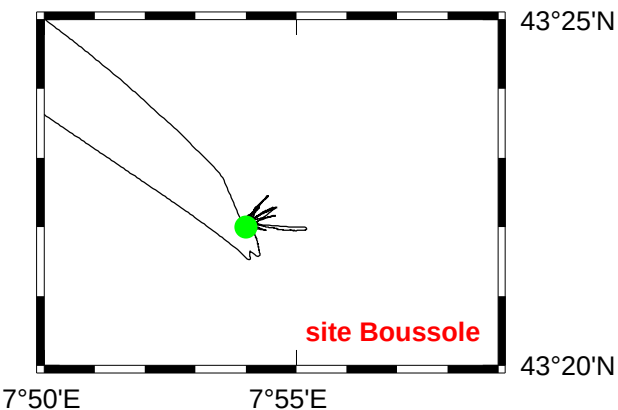
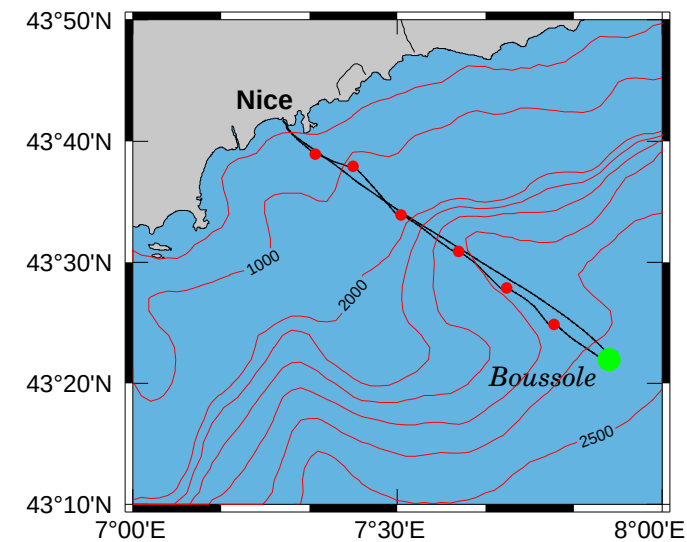
BOUS006



Date 23/07/2007  
Heure déb 20h 27min [TU]

Latitude  $43^{\circ}38.925\text{ N}$   
Longitude  $07^{\circ}20.718\text{ E}$

BOUSSOLE 66 23 juillet 2007

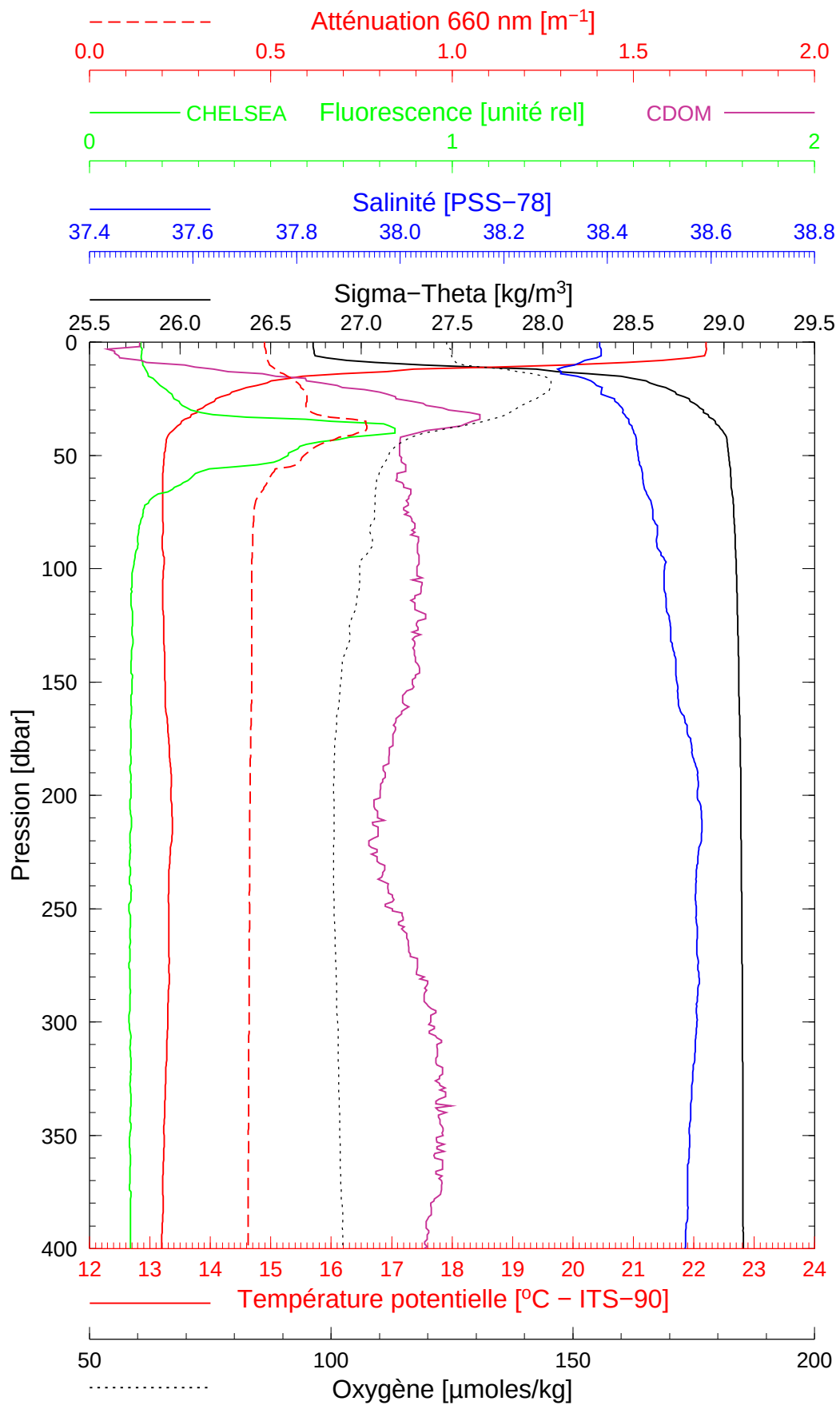


Boussole 67

03/09/2007

BOUS070903\_01

BOUS001



Date 03/09/2007  
Heure déb 08h 11min [TU]

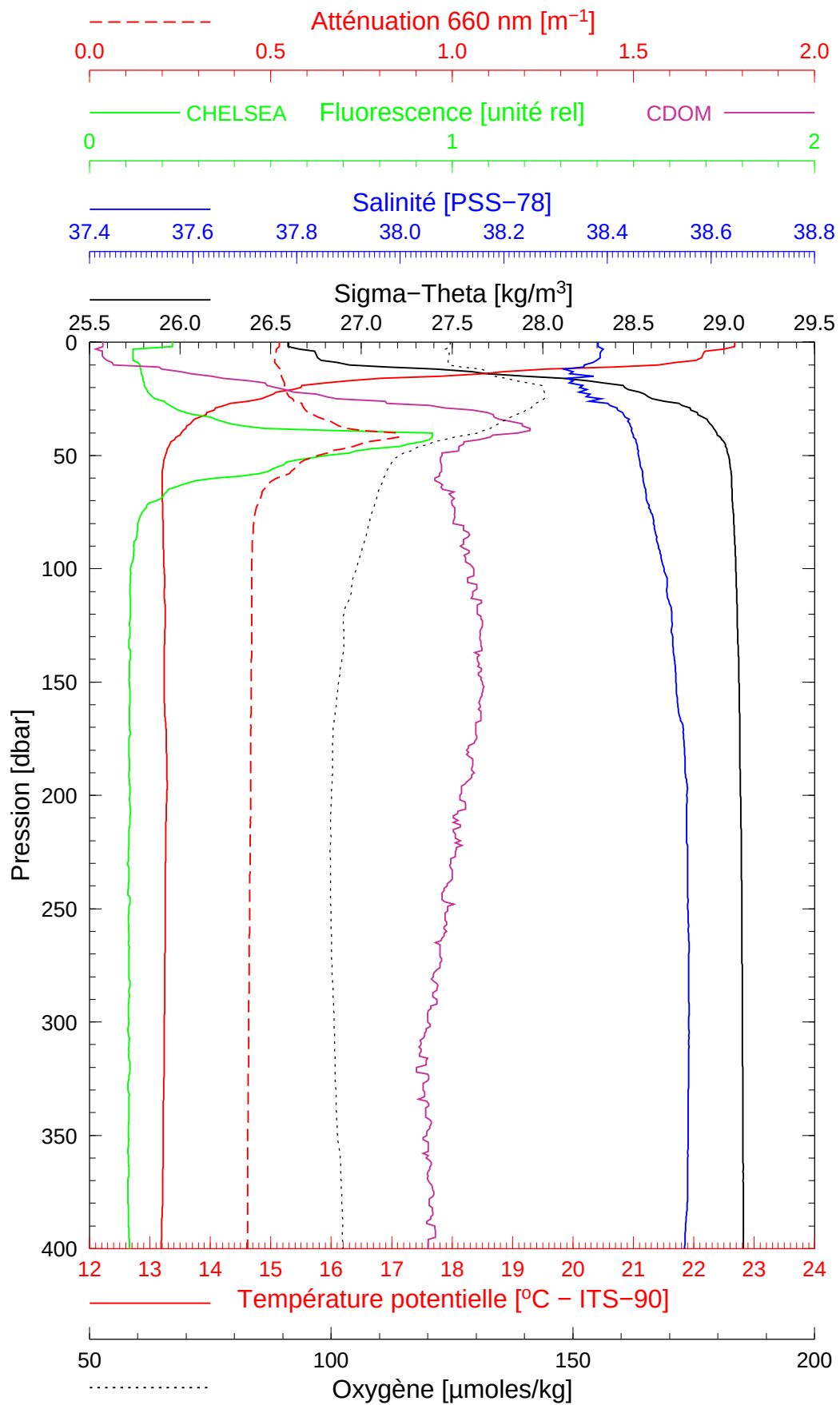
Latitude  $43^{\circ}22.482$  N  
Longitude  $07^{\circ}54.253$  E

Boussole 67

03/09/2007

BOUS070903\_02

BOUS002



Date 03/09/2007

Latitude 43°24.966 N

Heure déb 13h 23min [TU]

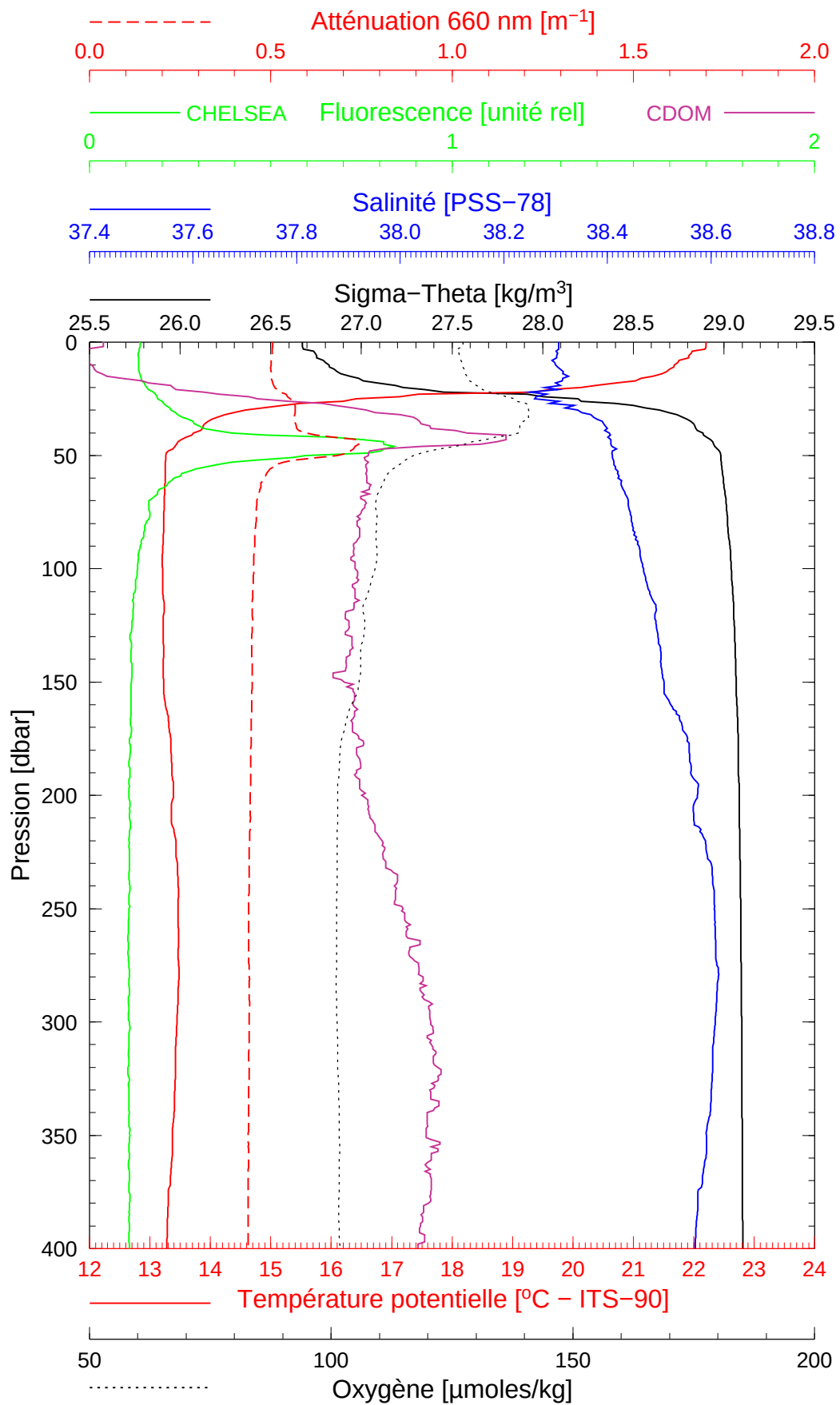
Longitude 07°48.001 E

Boussole 67

03/09/2007

BOUS070903\_03

BOUS003



Date 03/09/2007  
Heure déb 14h 21min [TU]

Latitude  $43^{\circ}27.955$  N  
Longitude  $07^{\circ}42.481$  E

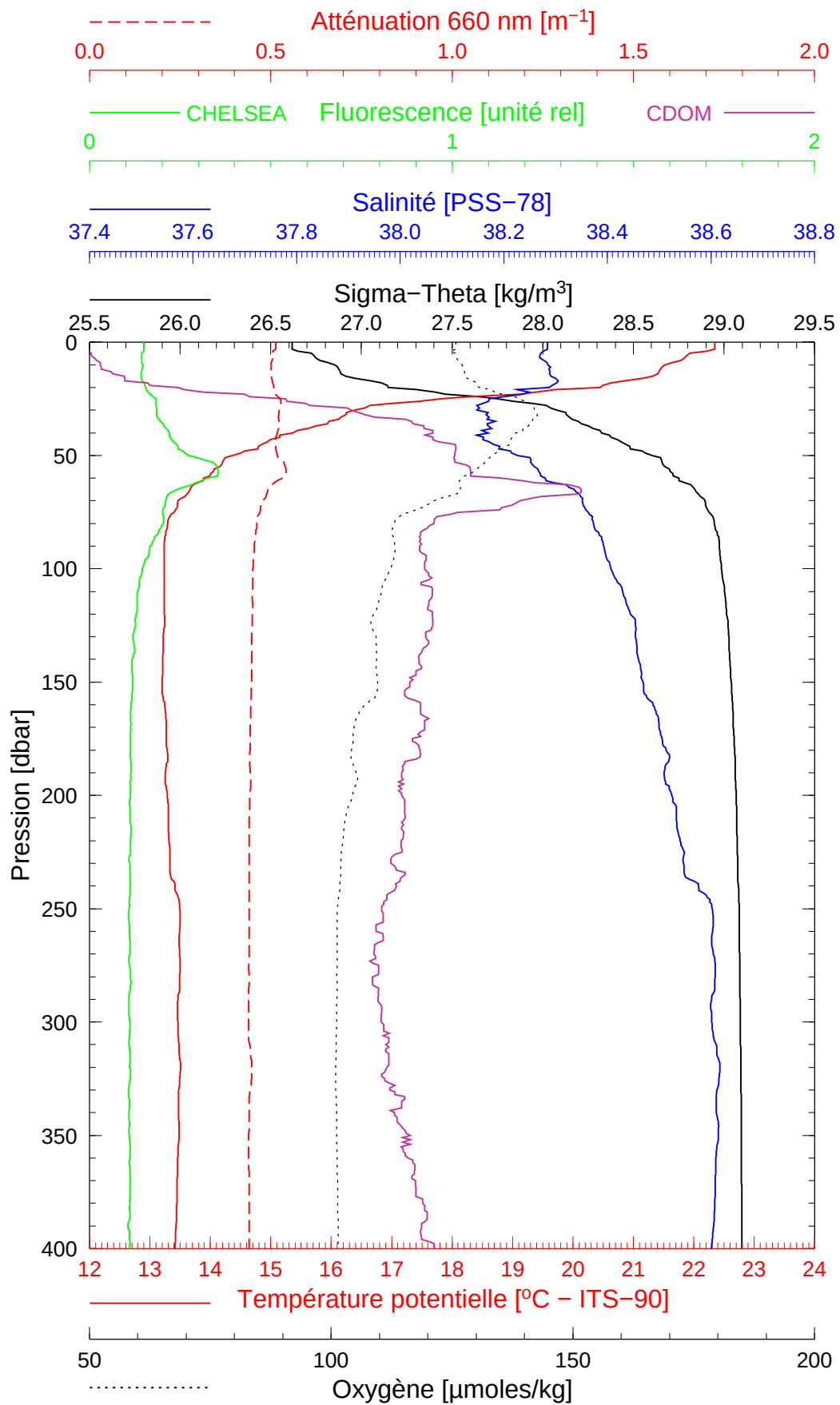


Boussole 67

03/09/2007

BOUS070903\_04

BOUS004



Date 03/09/2007

Latitude  $43^{\circ}30.993$  N

Heure déb 15h 23min [TU]

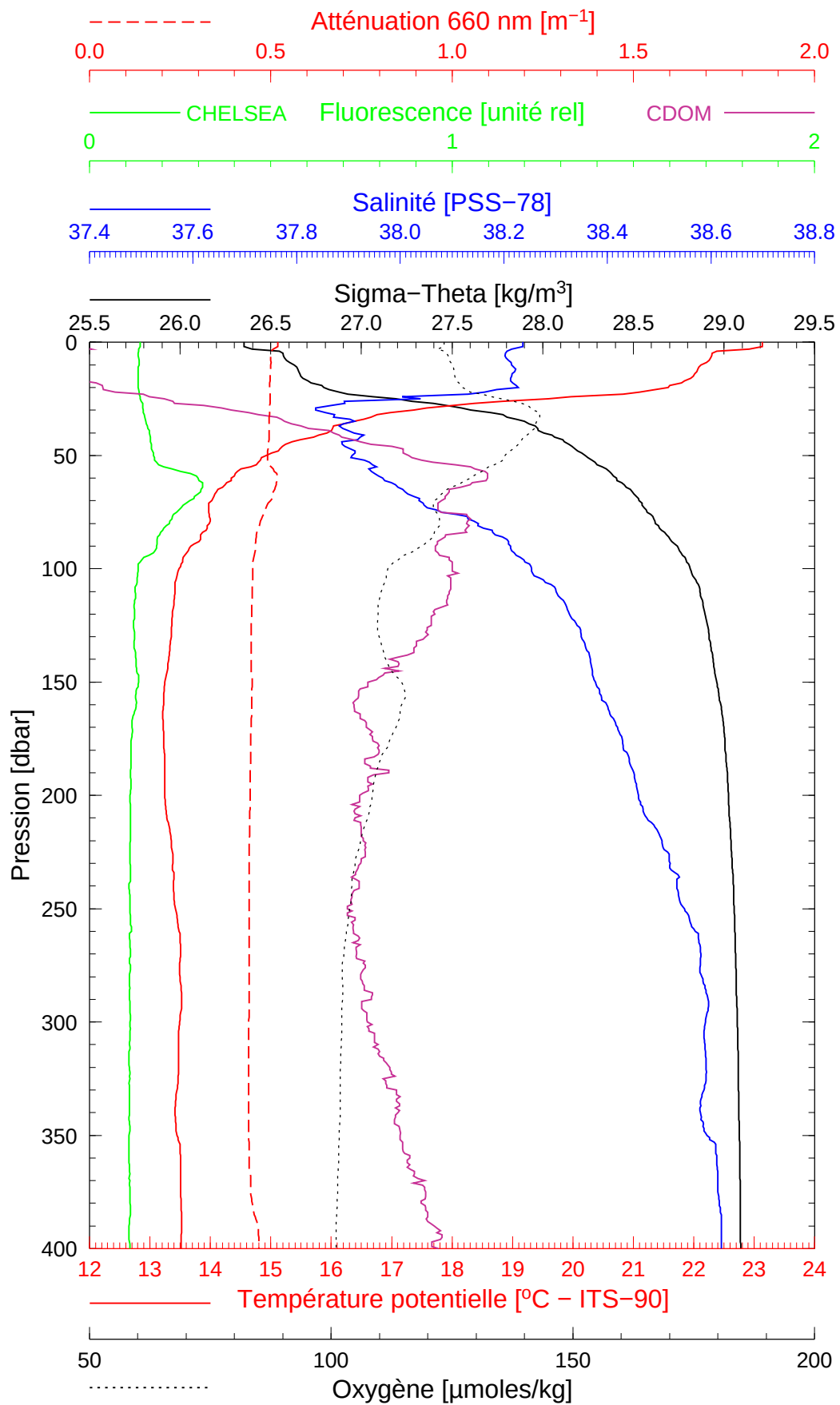
Longitude  $07^{\circ}36.909$  E

Boussole 67

03/09/2007

BOUS070903\_05

BOUS005



Date 03/09/2007  
Heure déb 16h 24min [TU]

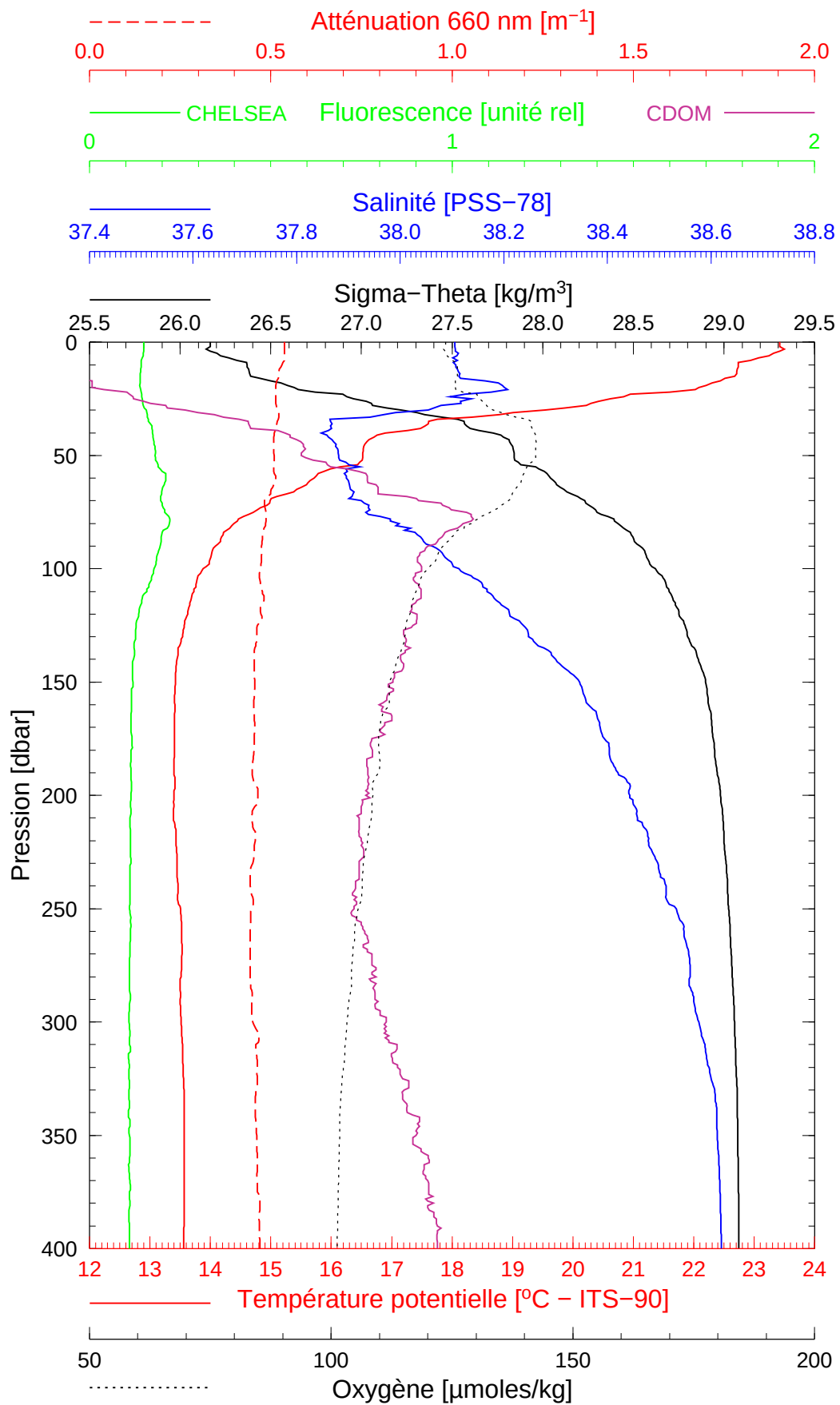
Latitude  $43^{\circ}34.021$  N  
Longitude  $07^{\circ}30.887$  E

Boussole 67

03/09/2007

BOUS070903\_06

BOUS006



Date 03/09/2007  
Heure déb 17h 27min [TU]

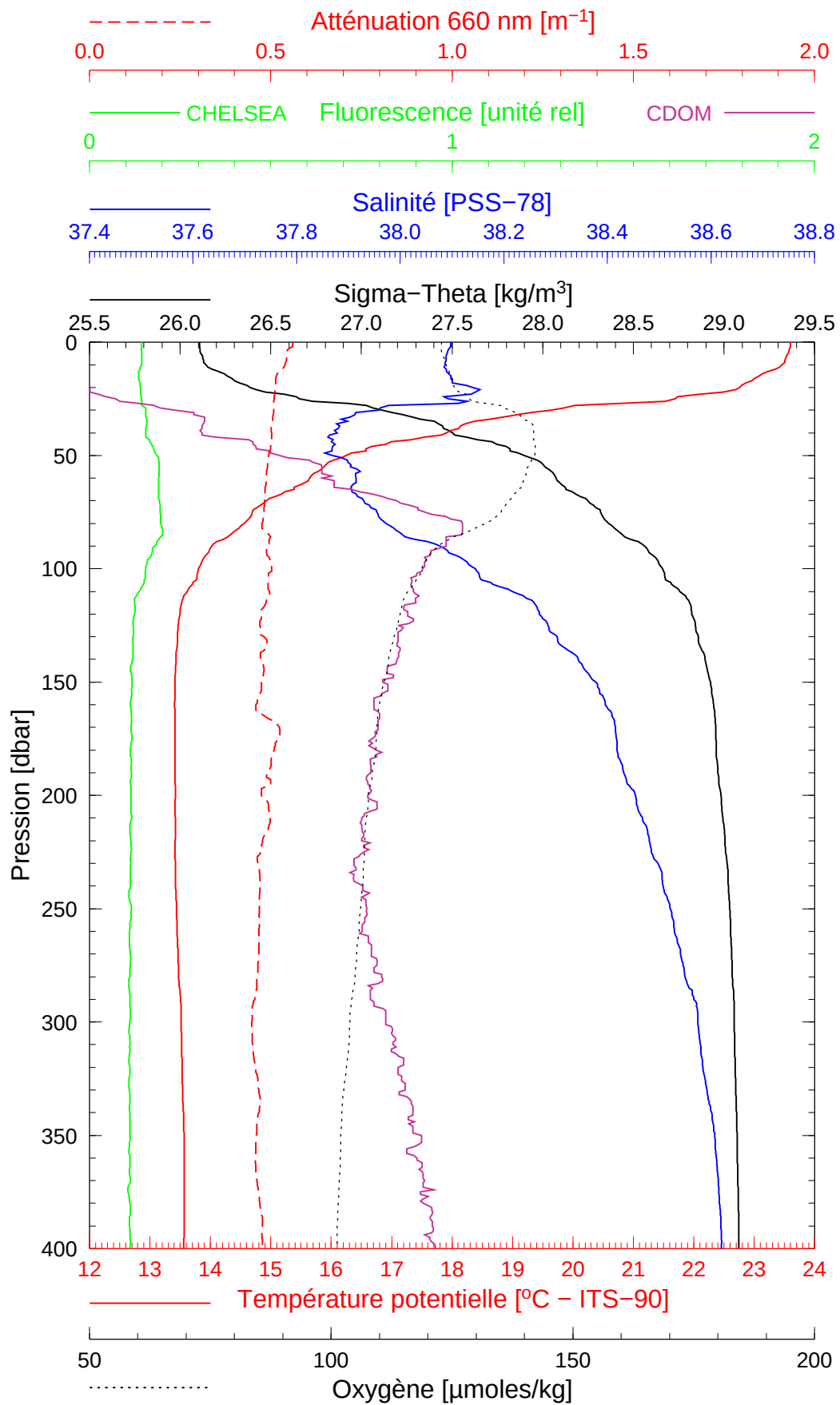
Latitude 43°37.498 N  
Longitude 07°24.951 E

Boussole 67

03/09/2007

BOUS070903\_07

BOUS007



Date 03/09/2007  
Heure déb 18h 16min [TU]

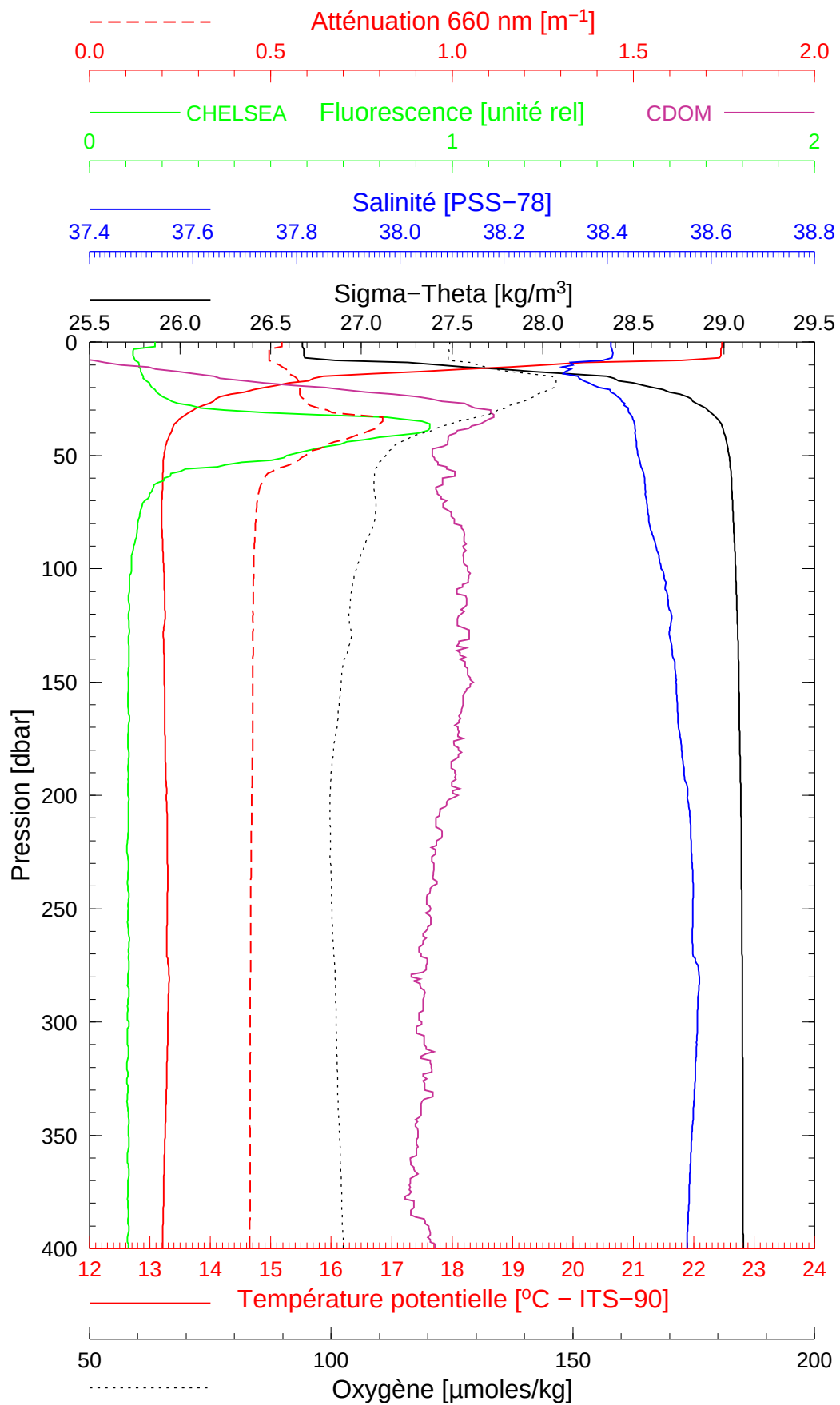
Latitude 43°38.885 N  
Longitude 07°20.830 E

Boussole 67

04/09/2007

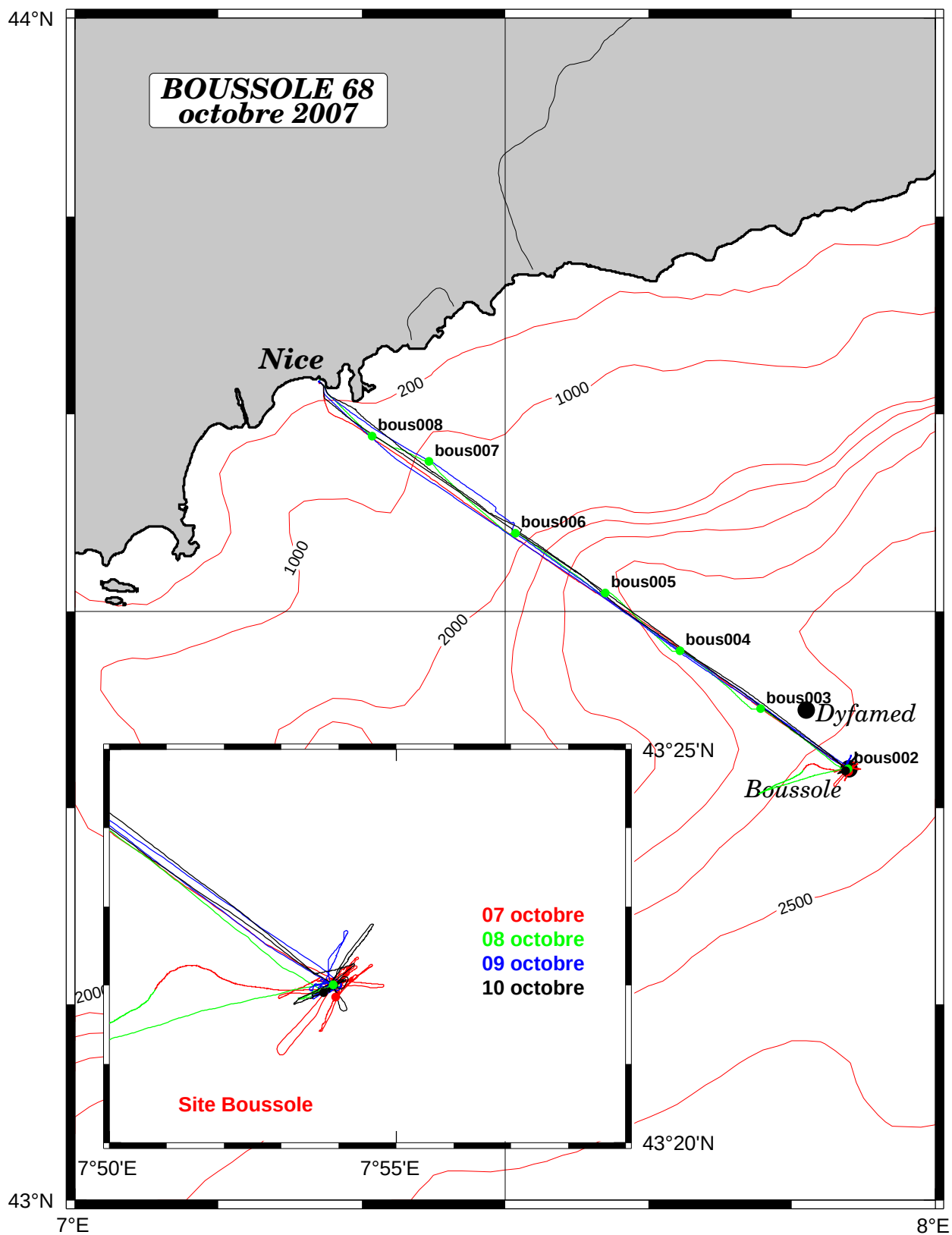
BOUS070904\_01

BOUS008



Date 04/09/2007  
Heure déb 11h 09min [TU]

Latitude  $43^{\circ}21.316$  N  
Longitude  $07^{\circ}53.027$  E

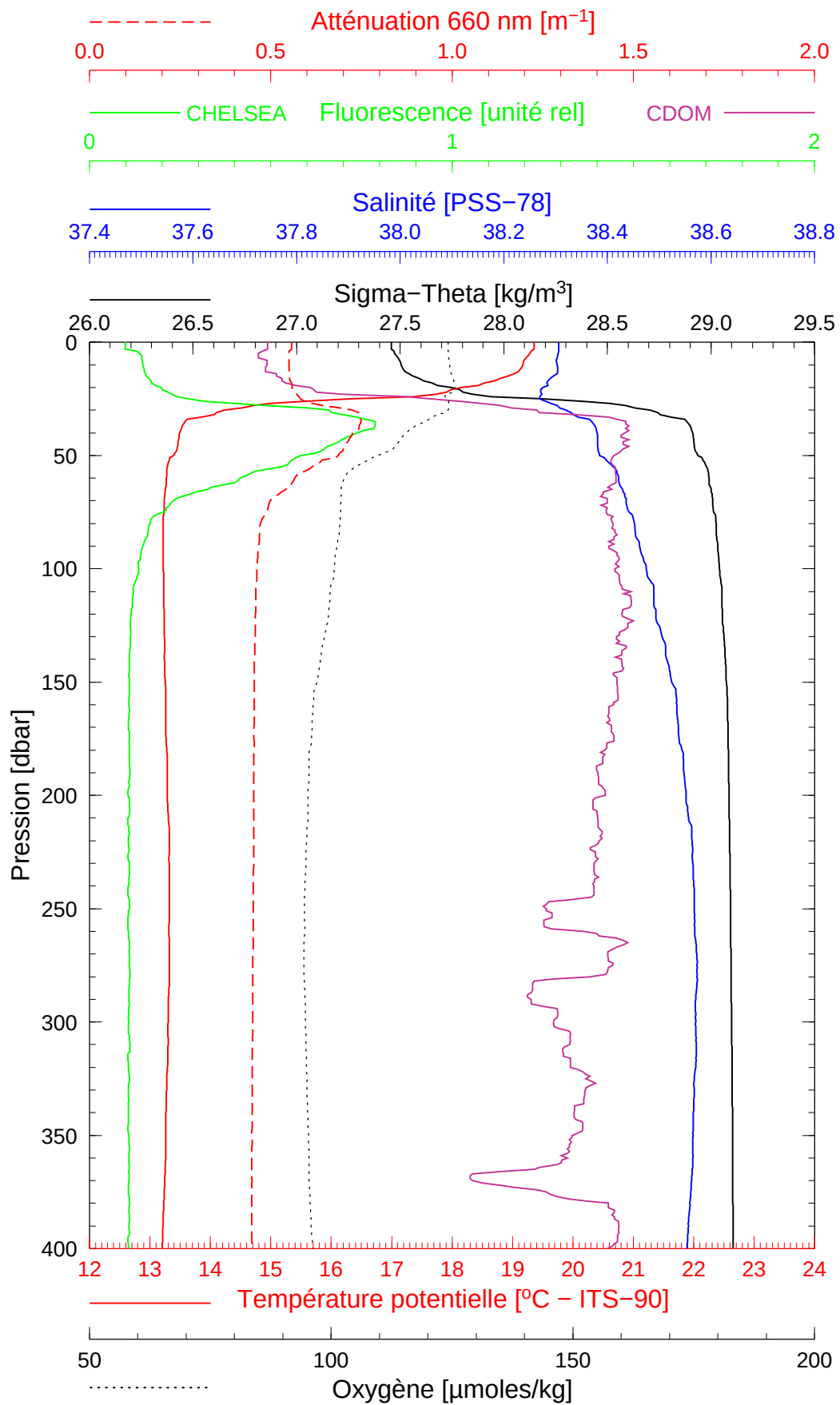


Boussole 68

07/10/2007

BOUS071007\_01

BOUS001



Date 07/10/2007

Latitude  $43^{\circ}21.855\text{ N}$

Heure déb 12h 24min [TU]

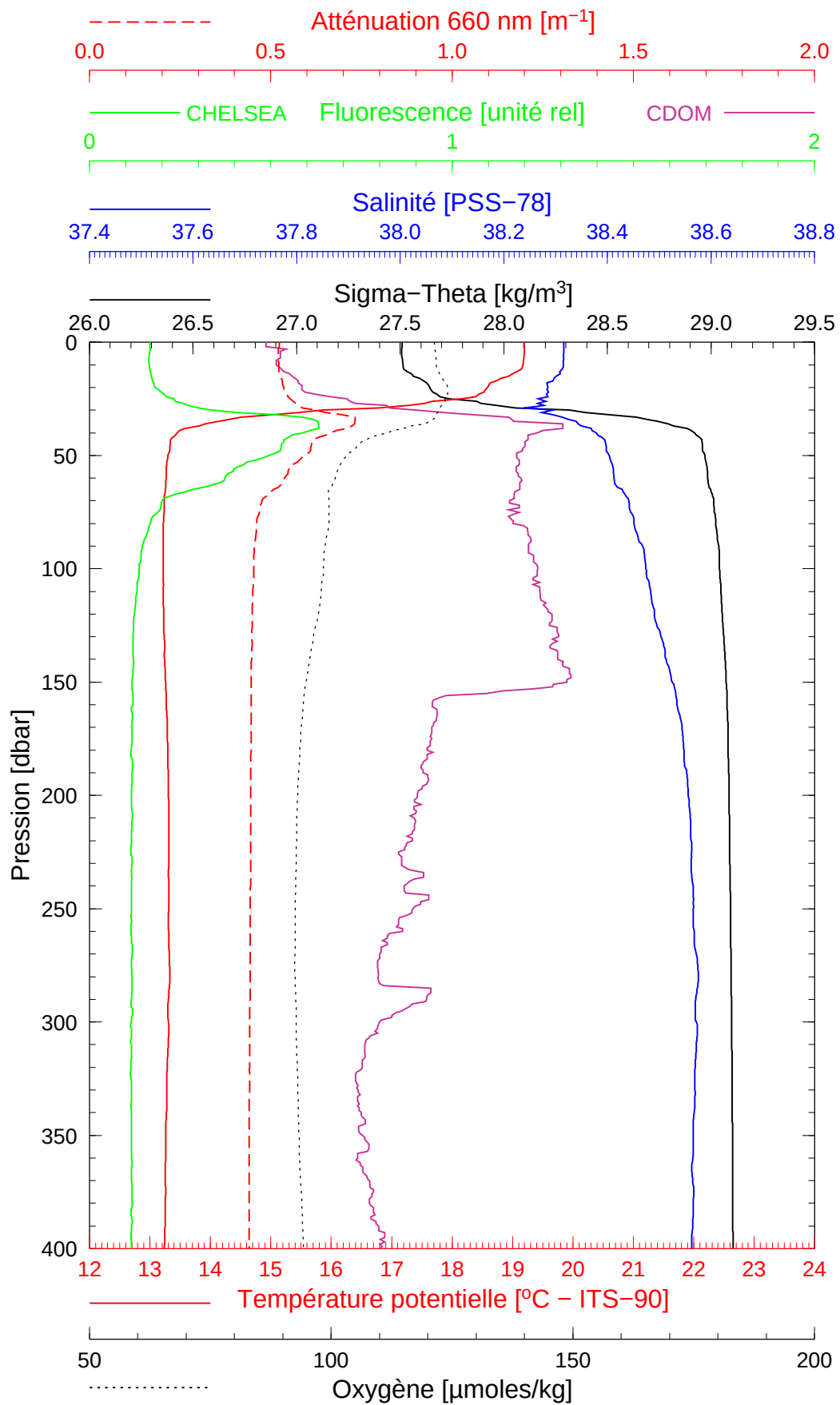
Longitude  $07^{\circ}53.949\text{ E}$

Boussole 68

08/10/2007

BOUS071008\_01

BOUS002



Date 08/10/2007

Latitude  $43^{\circ}22.005\text{ N}$

Heure déb 06h 37min [TU]

Longitude  $07^{\circ}53.902\text{ E}$

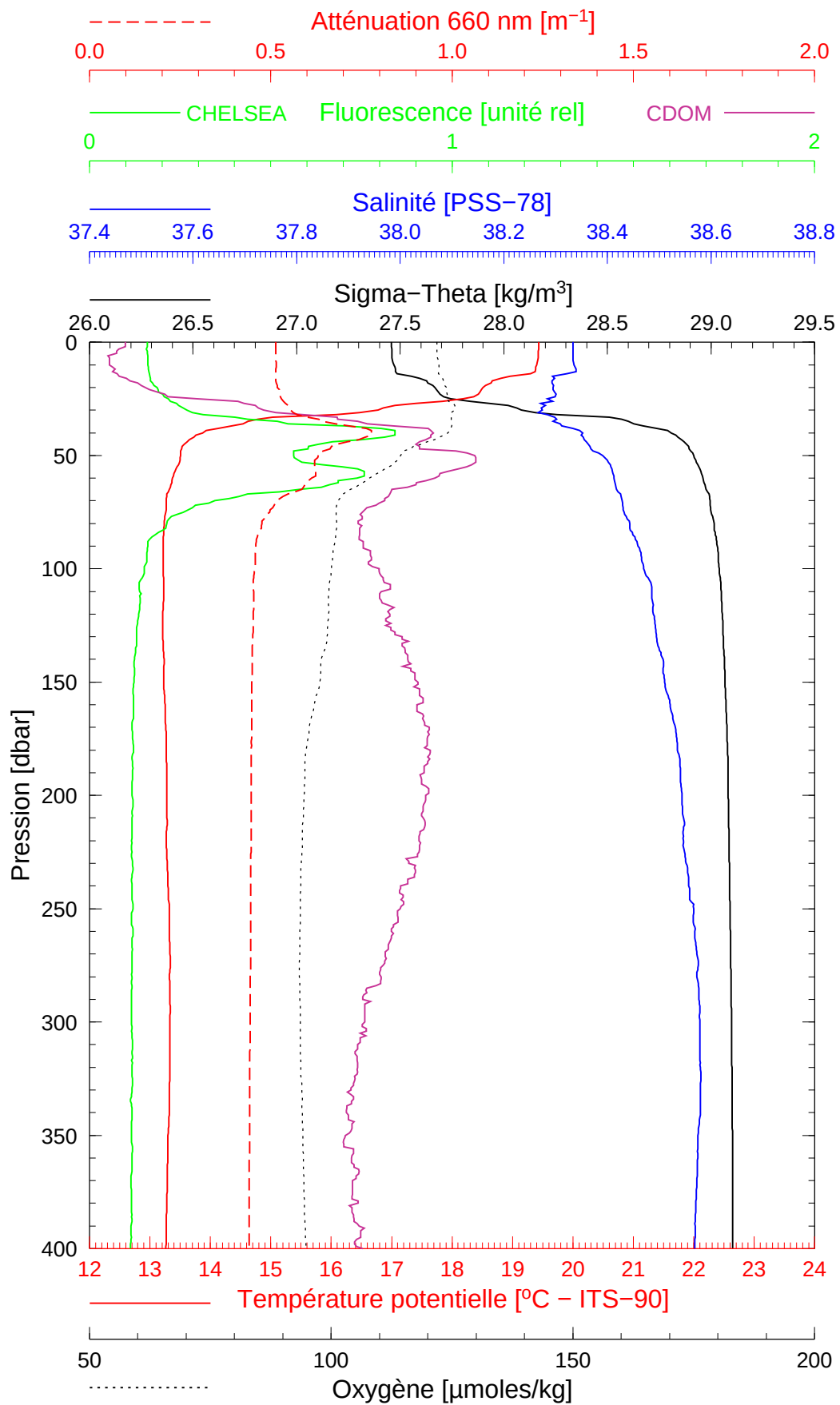


Boussole 68

08/10/2007

BOUS071008\_02

BOUS003



Date 08/10/2007  
Heure déb 09h 09min [TU]

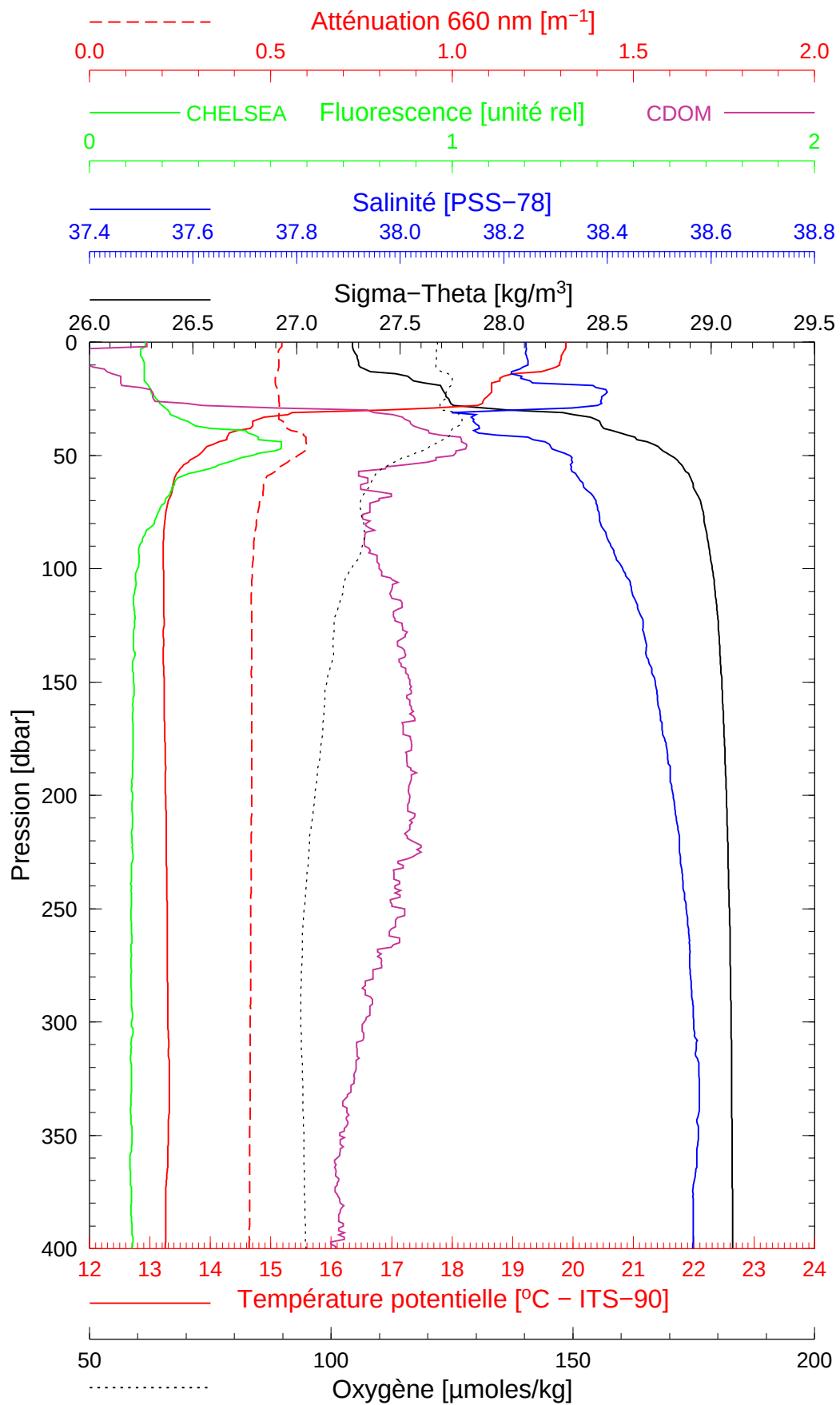
Latitude  $43^{\circ}25.061$  N  
Longitude  $07^{\circ}47.808$  E

Boussole 68

08/10/2007

BOUS071008\_03

BOUS004



Date 08/10/2007

Latitude  $43^{\circ}27.994\text{ N}$

Heure déb 10h 09min [TU]

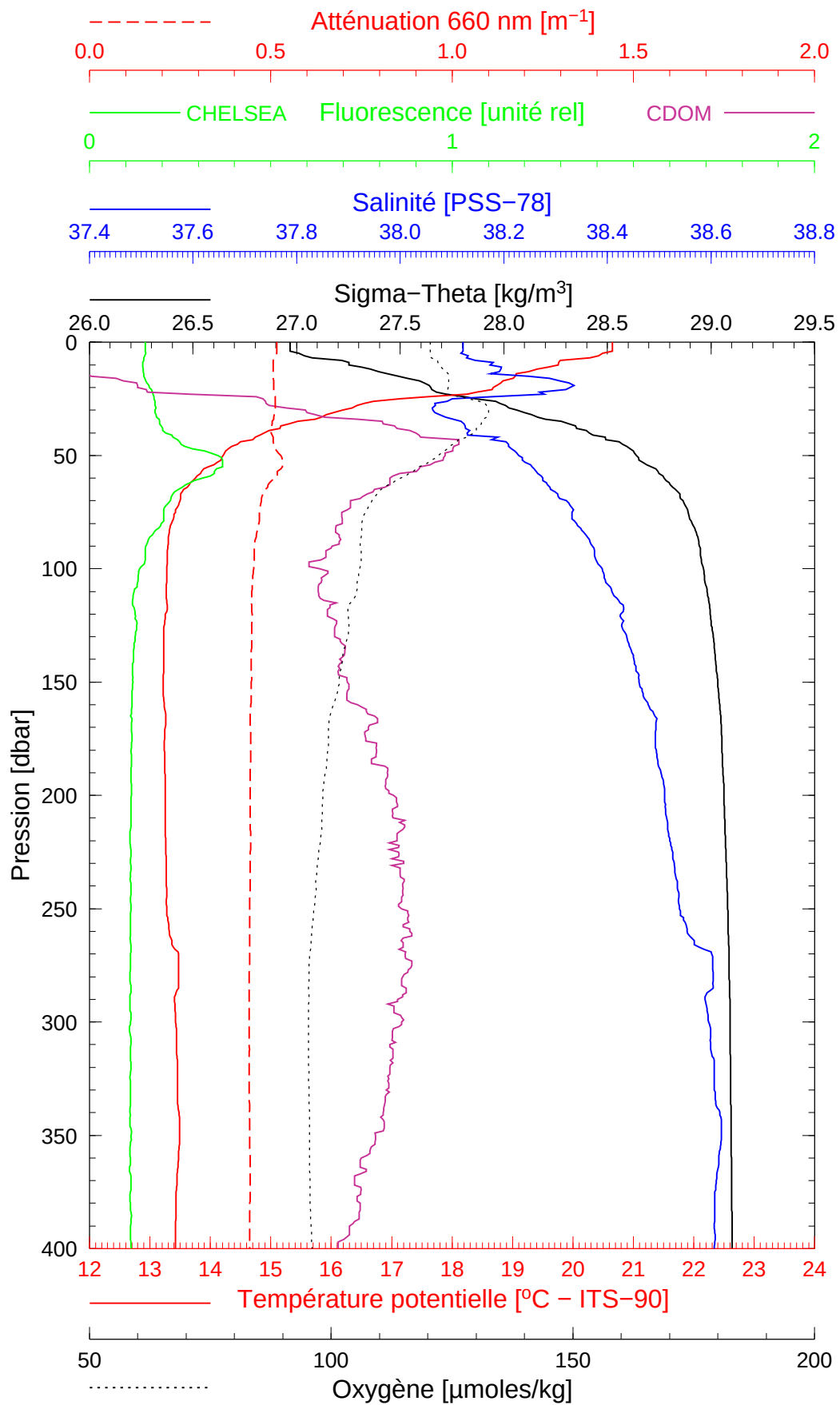
Longitude  $07^{\circ}42.188\text{ E}$

Boussole 68

08/10/2007

BOUS071008\_04

BOUS005



Date 08/10/2007

Latitude  $43^{\circ}30.947\text{ N}$

Heure déb 11h 07min [TUJ]

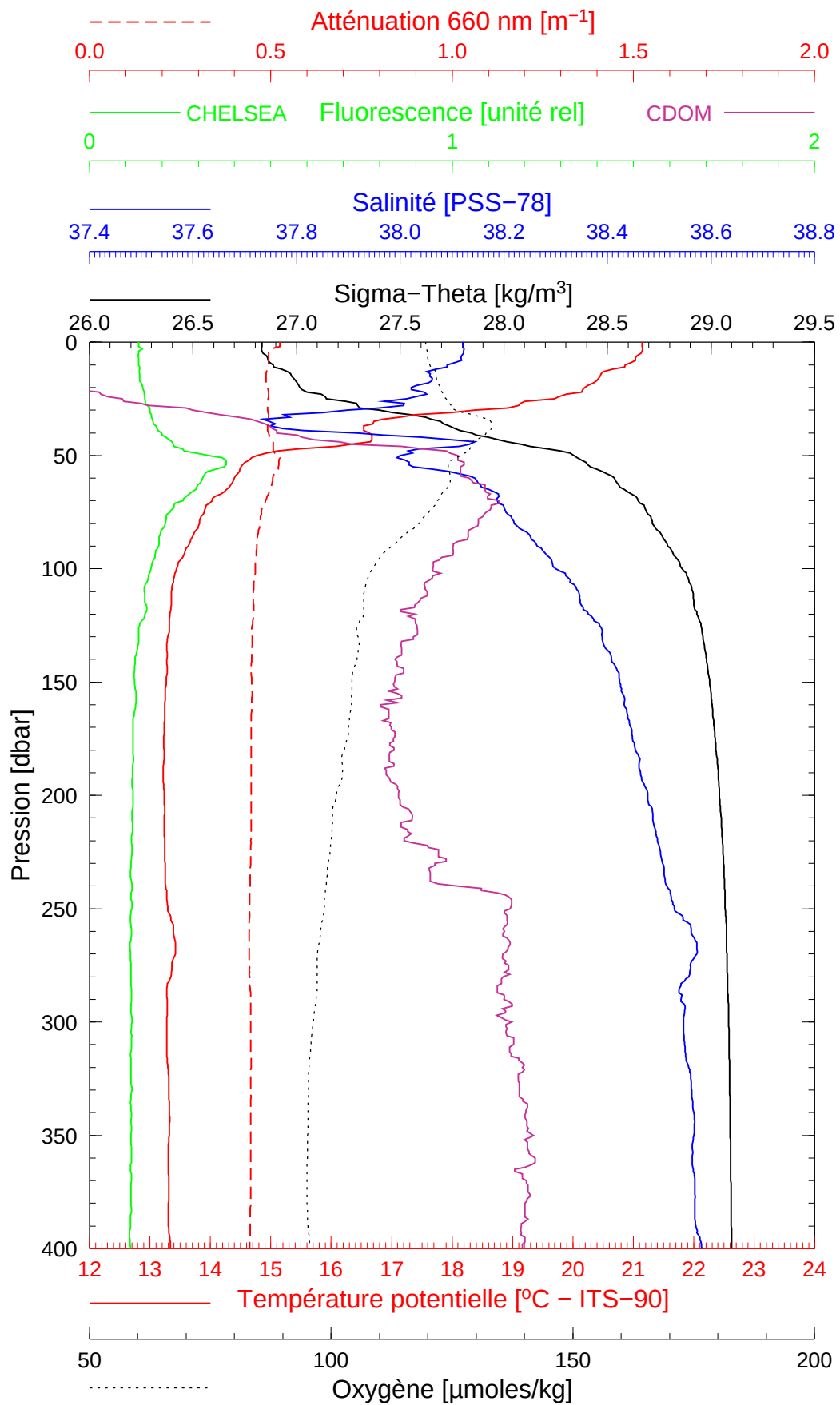
Longitude  $07^{\circ}36.981\text{ E}$

Boussole 68

08/10/2007

BOUS071008\_05

BOUS006



Date 08/10/2007

Latitude  $43^{\circ}33.972\text{ N}$

Heure déb 12h 04min [TU]

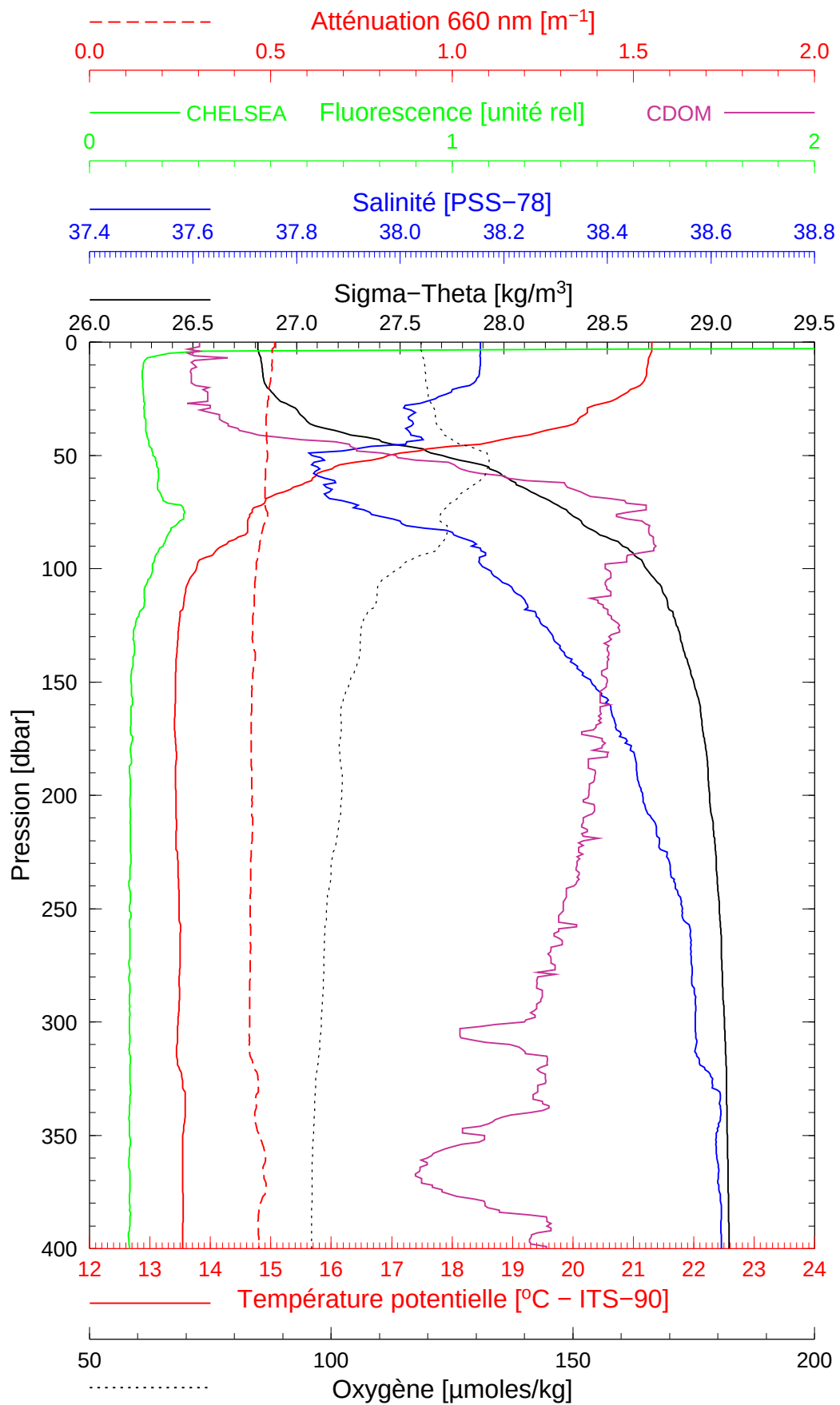
Longitude  $07^{\circ}30.732\text{ E}$

Boussole 68

08/10/2007

BOUS071008\_06

BOUS007



Date 08/10/2007  
Heure déb 13h 03min [TU]

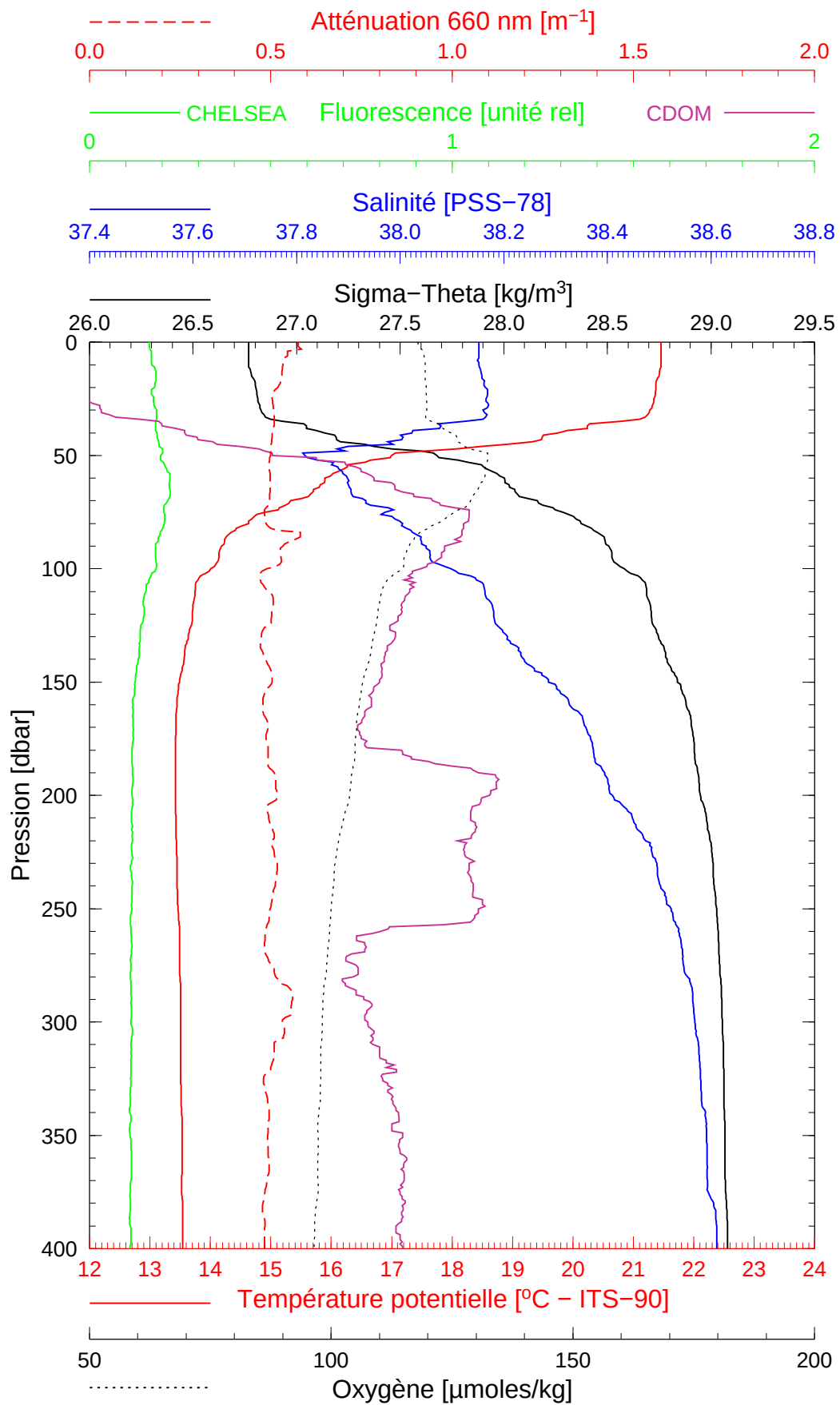
Latitude  $43^{\circ}37.606\text{ N}$   
Longitude  $07^{\circ}24.703\text{ E}$

Boussole 68

08/10/2007

BOUS071008\_07

BOUS008



Date 08/10/2007  
Heure déb 13h 49min [TU]

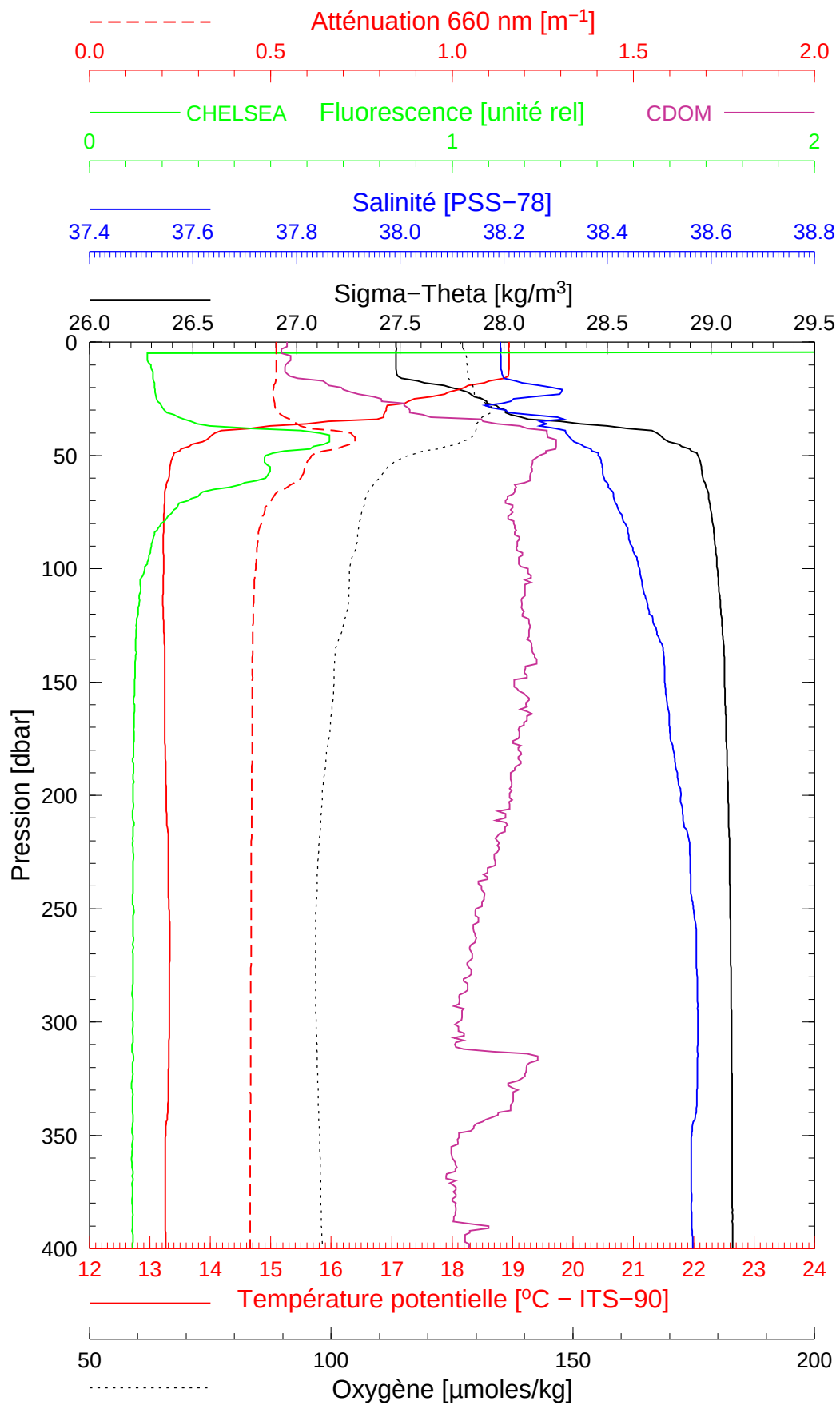
Latitude  $43^{\circ}38.897\text{ N}$   
Longitude  $07^{\circ}20.710\text{ E}$

Boussole 68

10/10/2007

BOUS071010\_01

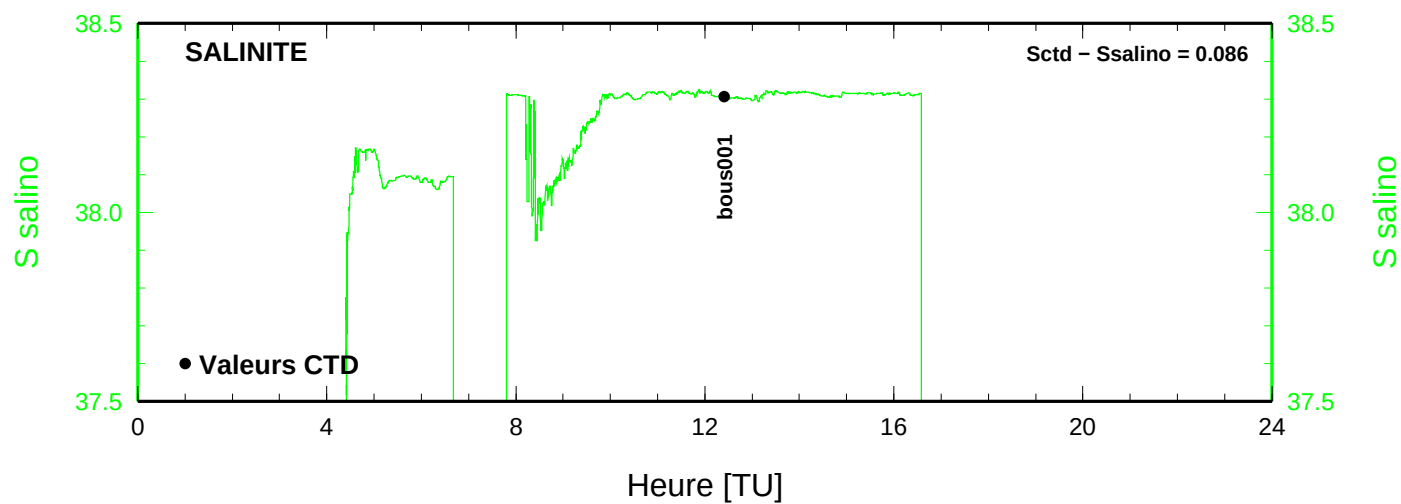
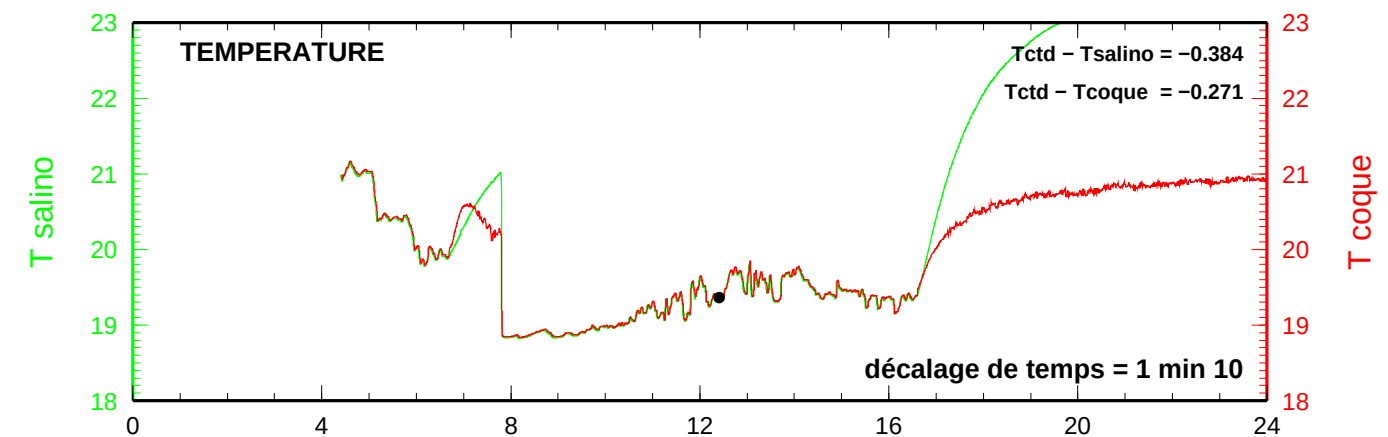
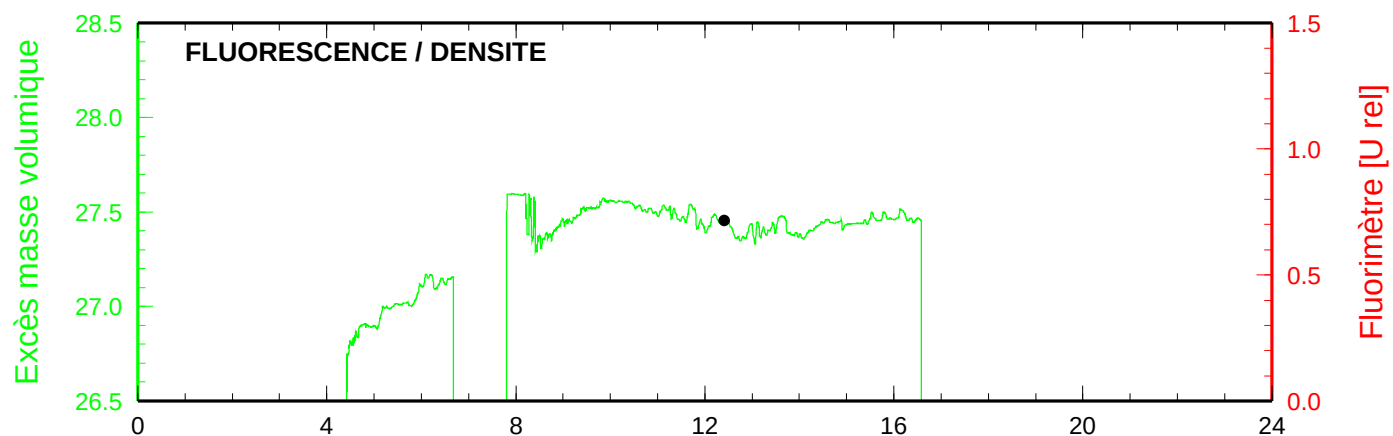
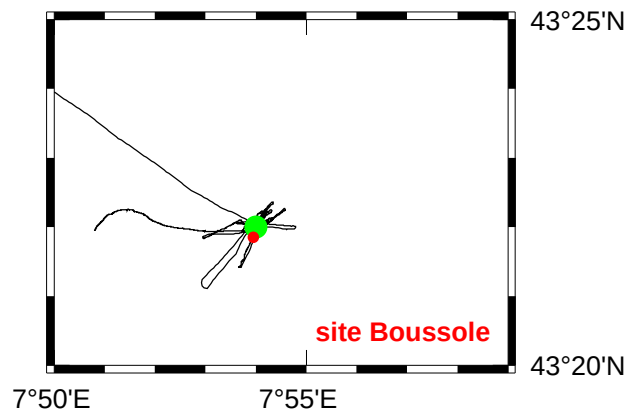
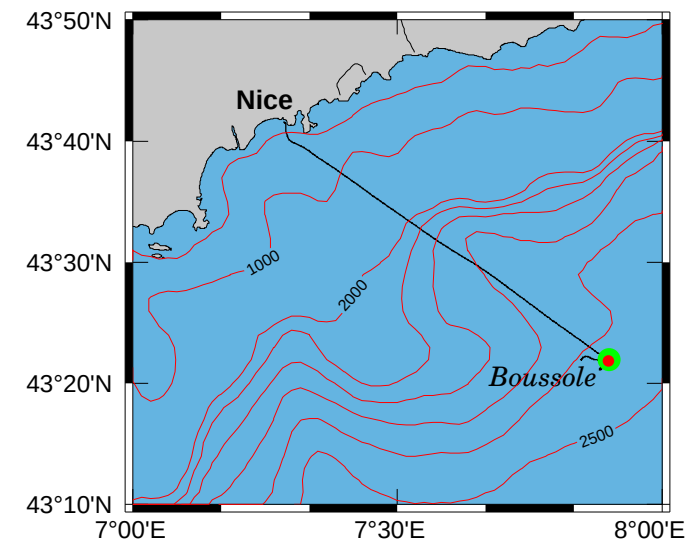
BOUS009



Date 10/10/2007  
Heure déb 07h 51min [TU]

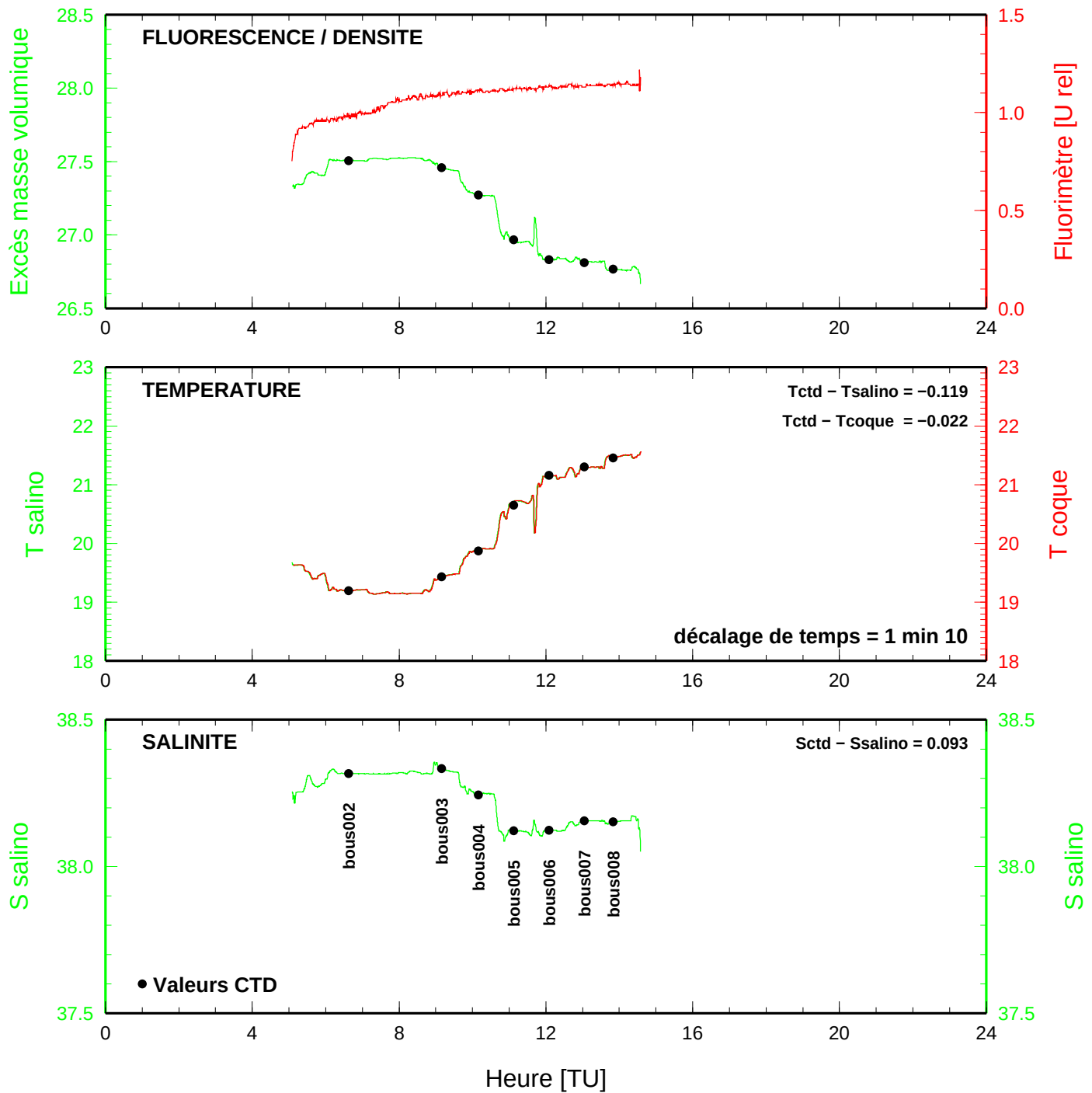
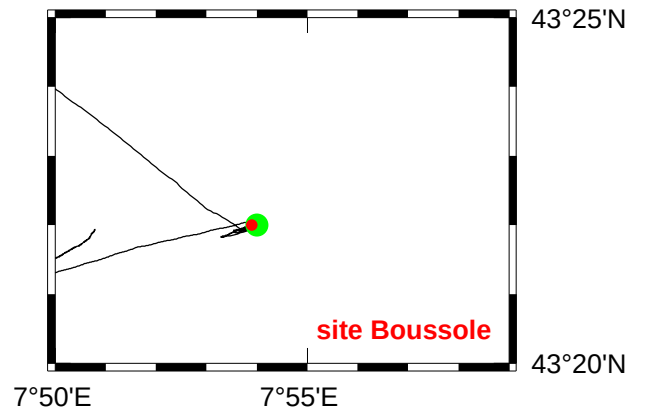
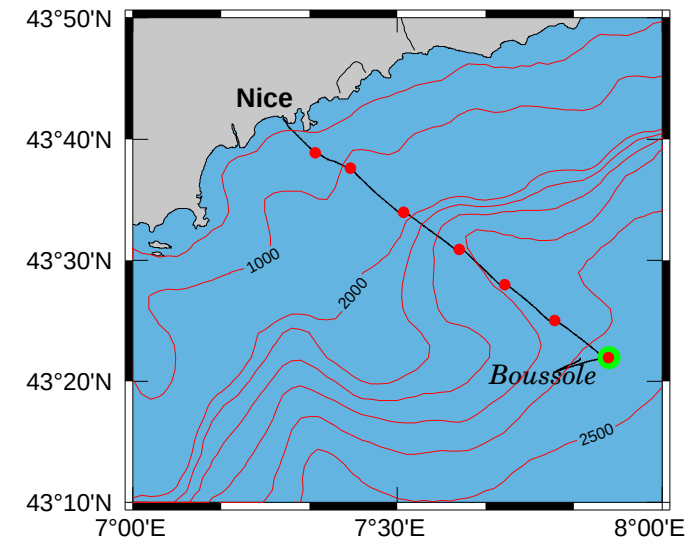
Latitude  $43^{\circ}21.912\text{ N}$   
Longitude  $07^{\circ}53.738\text{ E}$

# BOUSSOLE 68 07 octobre 2007

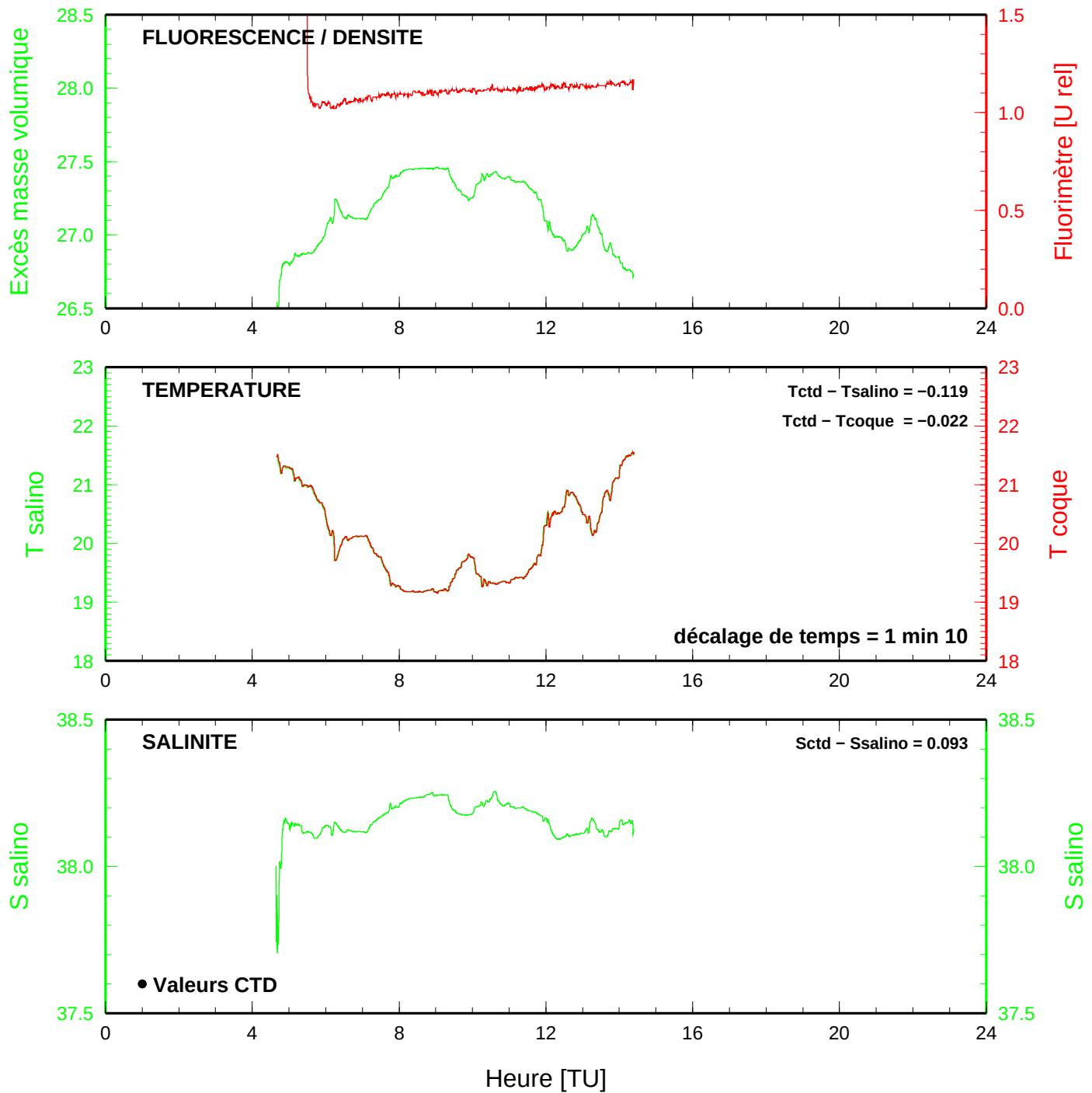
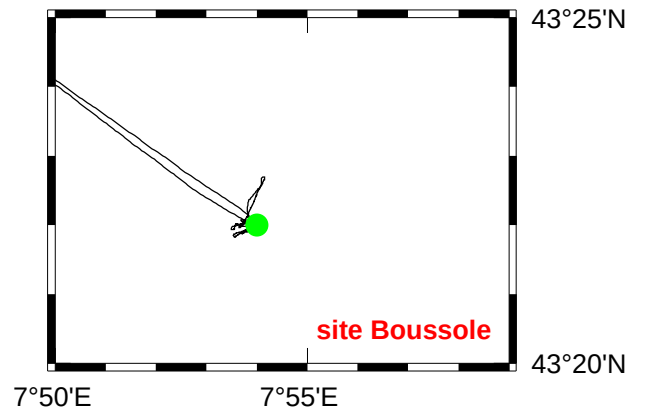
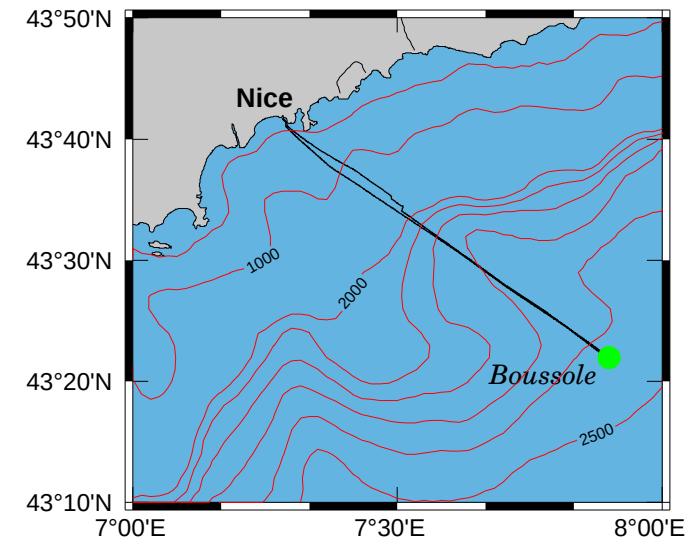




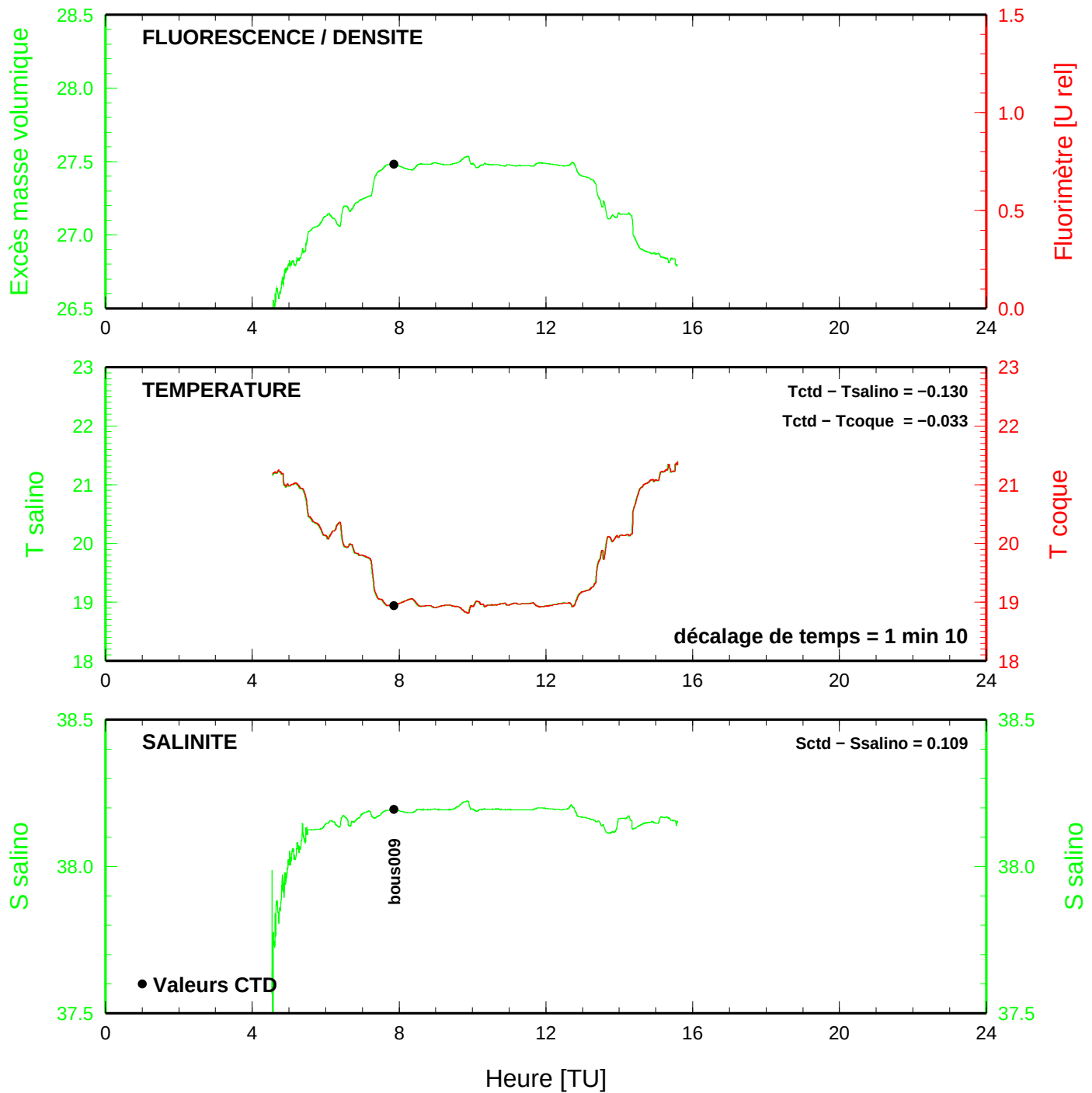
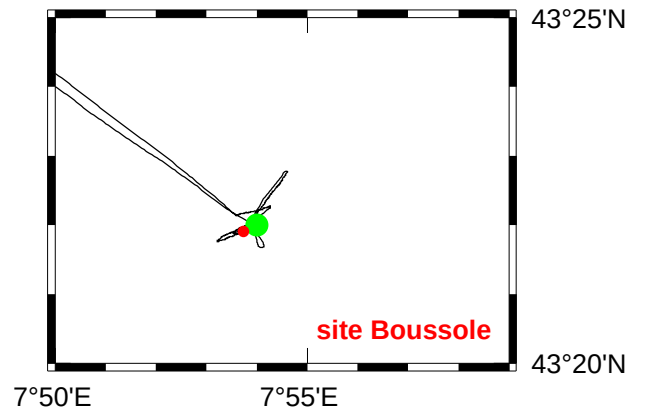
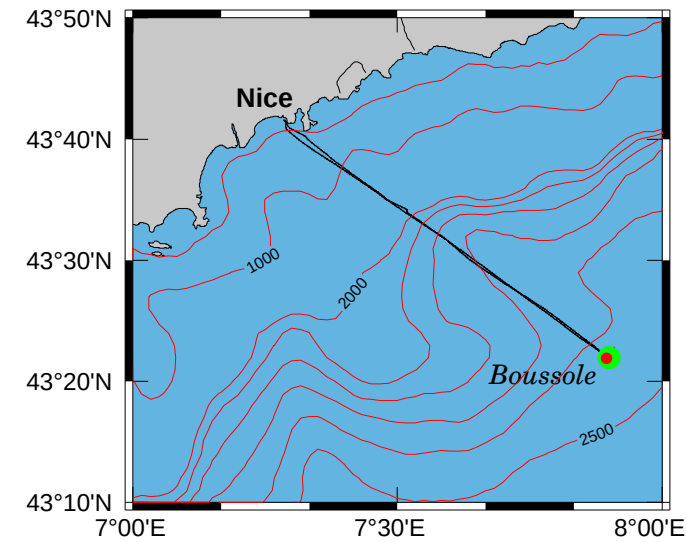
# BOUSSOLE 68 08 octobre 2007

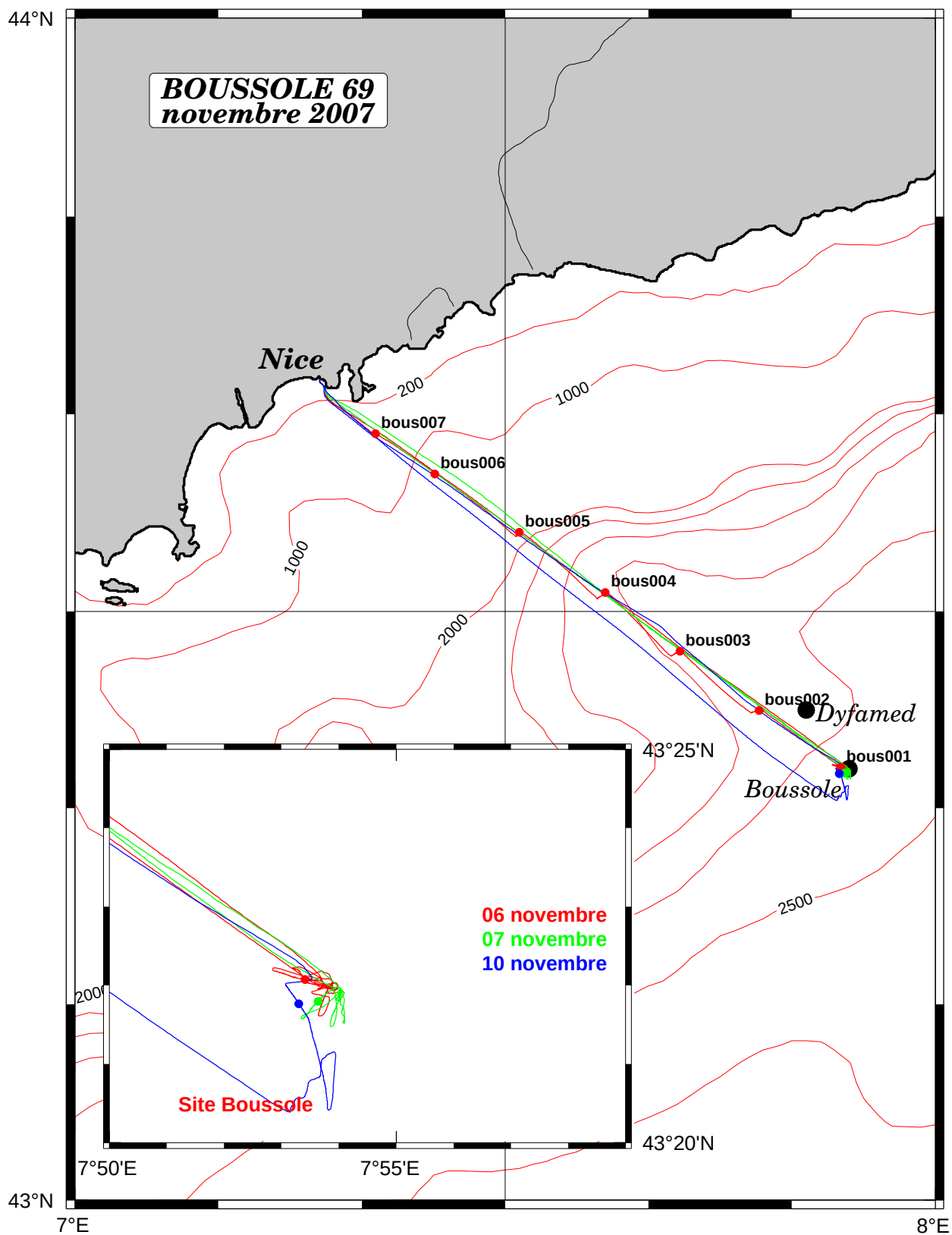


# BOUSSOLE



# BOUSSOLE 68 10 octobre 2007



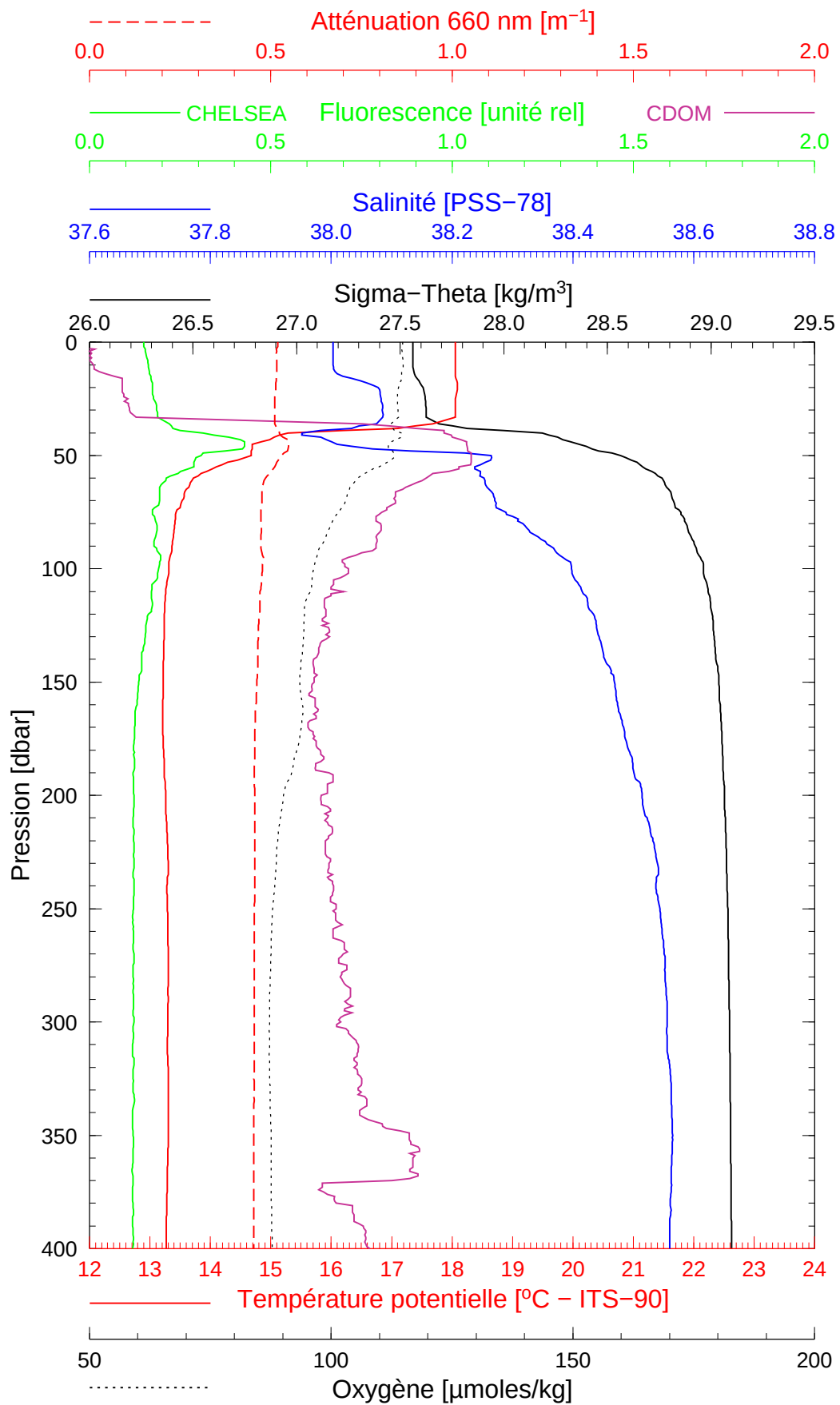


Boussole 69

06/11/2007

BOUS071106\_01

BOUS001



Date 06/11/2007

Latitude  $43^{\circ}22.075\text{ N}$

Heure déb 10h 52min [TUJ]

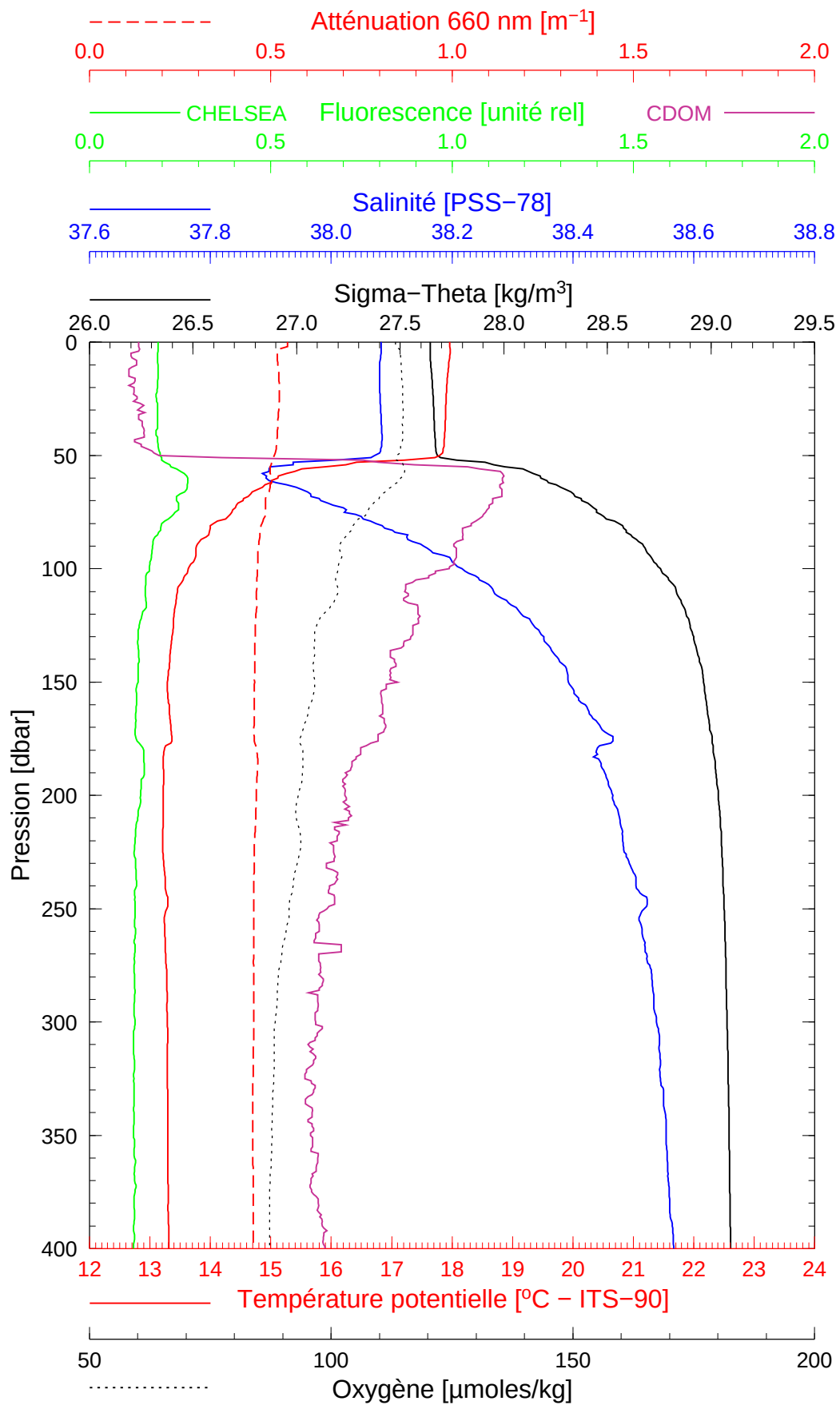
Longitude  $07^{\circ}53.415\text{ E}$

Boussole 69

06/11/2007

BOUS071106\_02

BOUS002



Date 06/11/2007

Latitude  $43^{\circ}32.236\text{ N}$

Heure déb 15h 06min [TU]

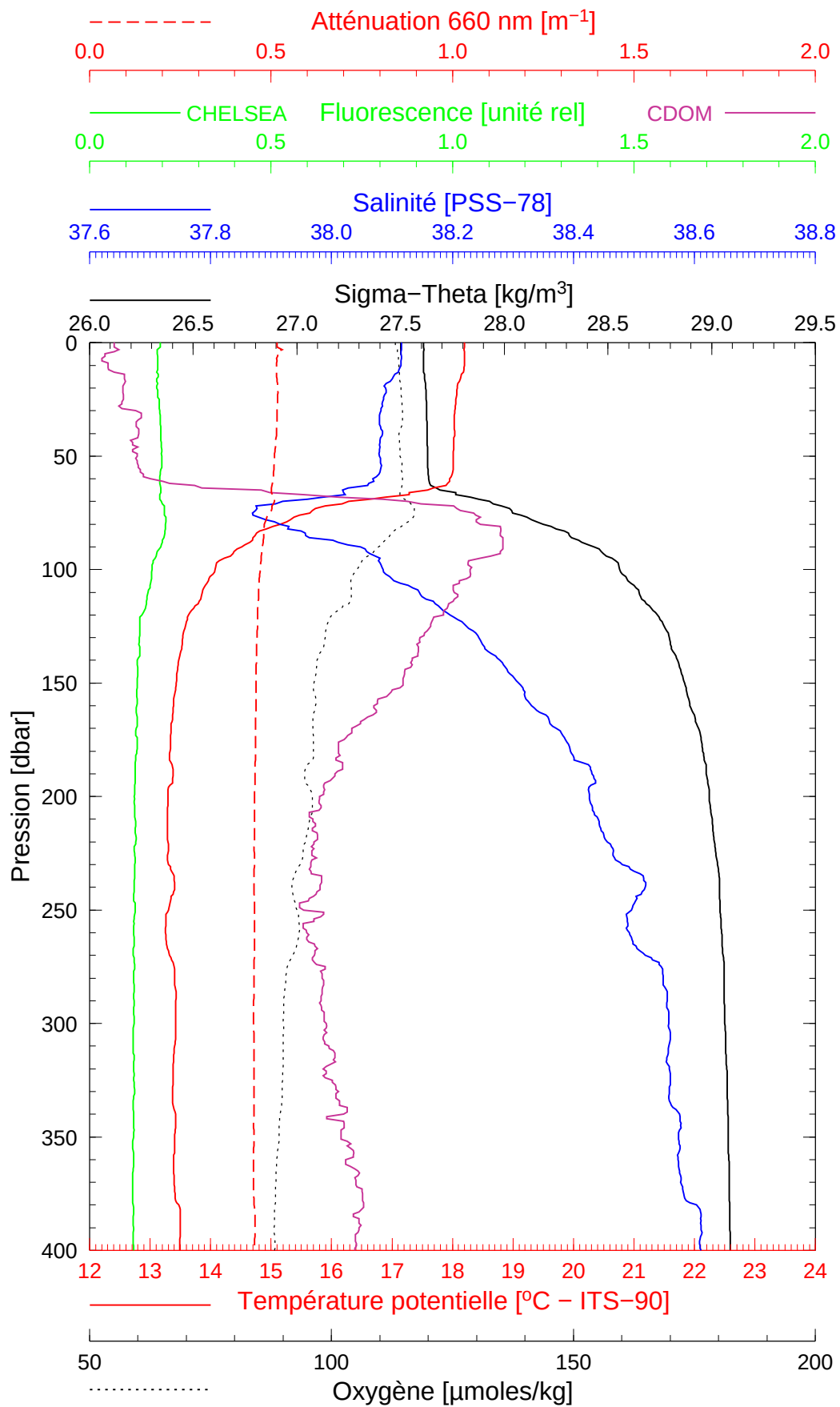
Longitude  $07^{\circ}29.011\text{ E}$

Boussole 69

06/11/2007

BOUS071106\_03

BOUS003



Date 06/11/2007

Latitude  $43^{\circ}27.988$  N

Heure déb 16h 05min [TU]

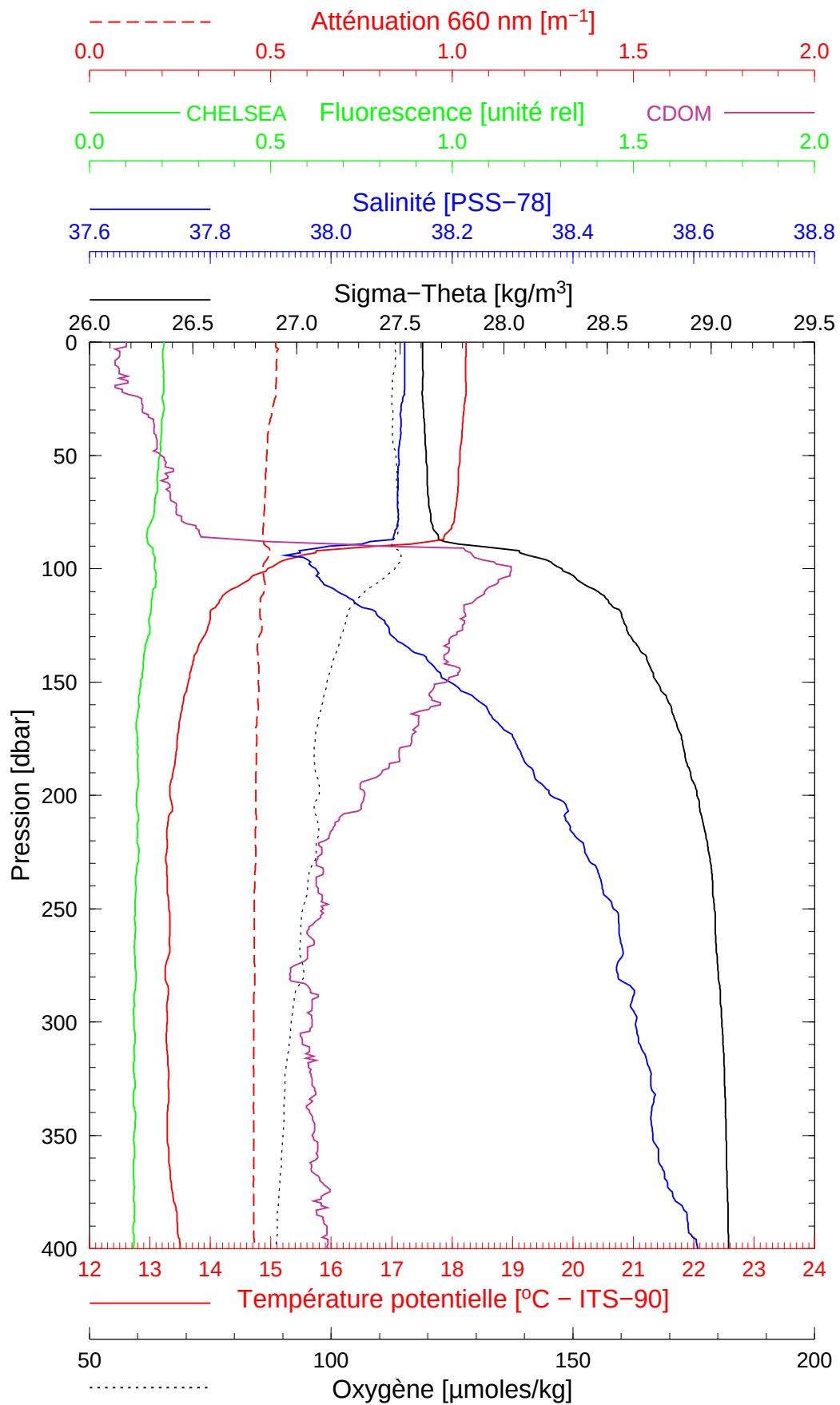
Longitude  $07^{\circ}42.212$  E

Boussole 69

06/11/2007

BOUS071106\_04

BOUS004



Date 06/11/2007  
Heure déb 17h 06min [TU]

Latitude  $43^{\circ}30.958\text{ N}$   
Longitude  $07^{\circ}36.973\text{ E}$

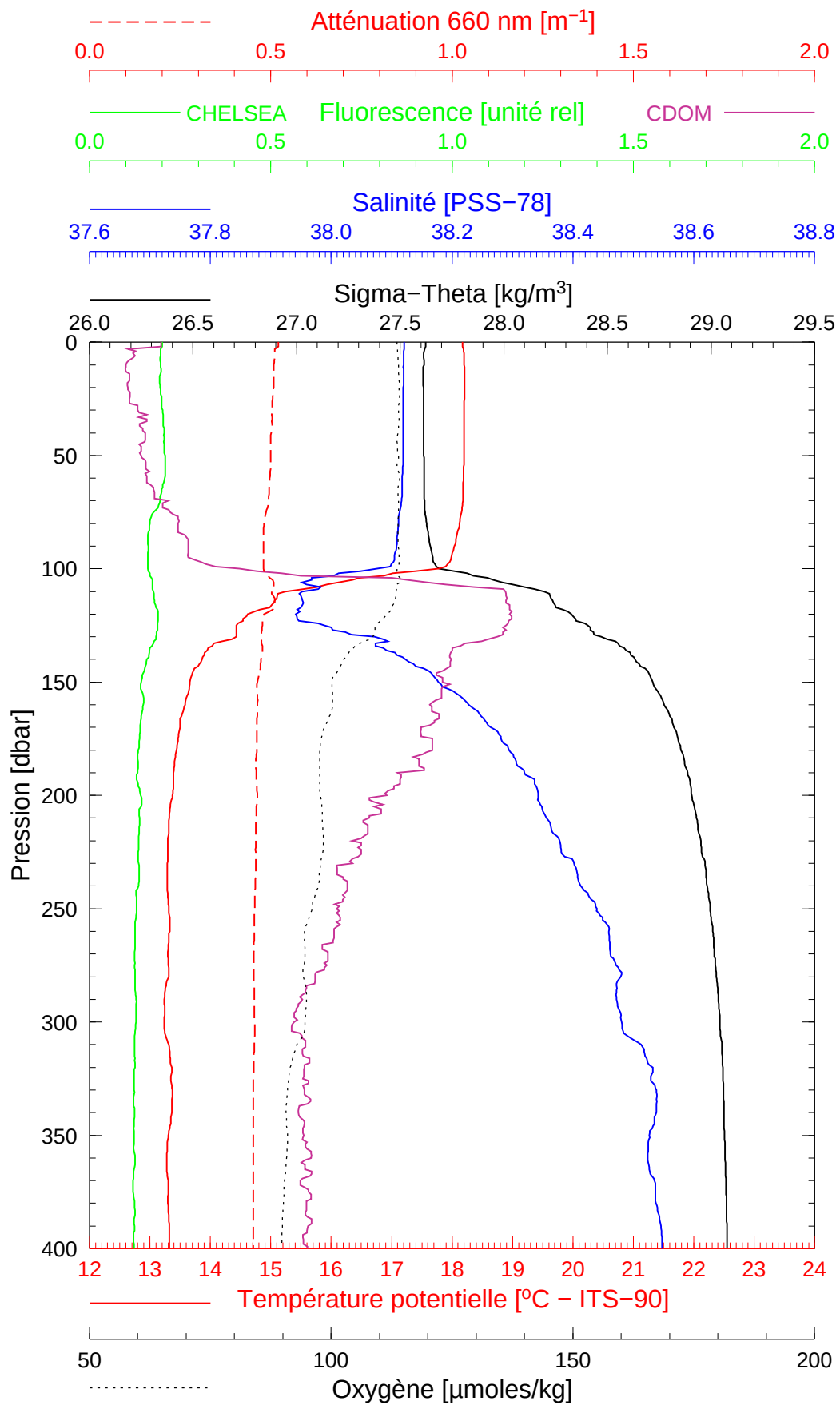


Boussole 69

06/11/2007

BOUS071106\_05

BOUS005



Date 06/11/2007  
Heure déb 18h 09min [TU]

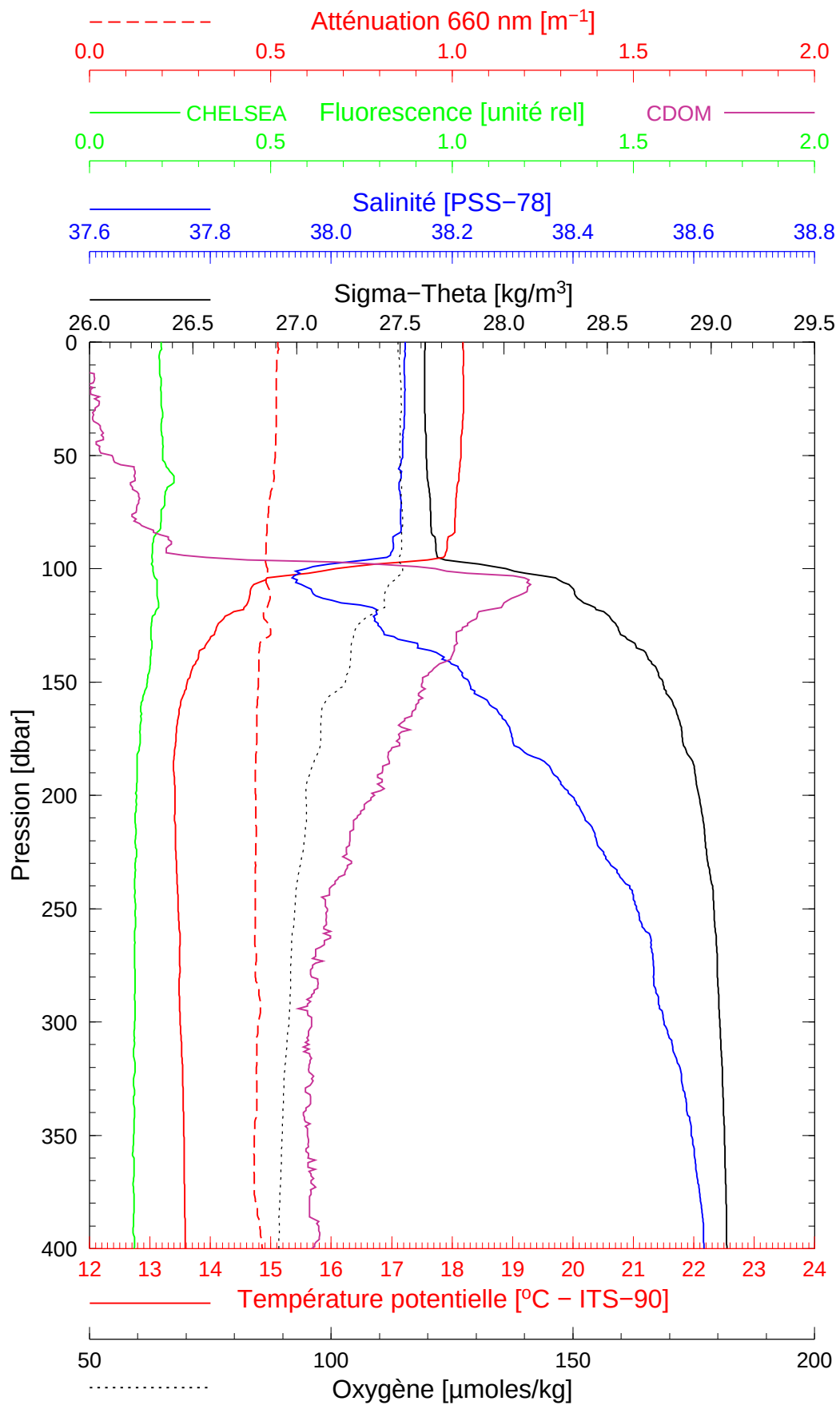
Latitude  $43^{\circ}34.013$  N  
Longitude  $07^{\circ}30.984$  E

Boussole 69

06/11/2007

BOUS071106\_06

BOUS006



Date 06/11/2007

Latitude  $43^{\circ}36.985\text{ N}$

Heure déb 19h 13min [TU]

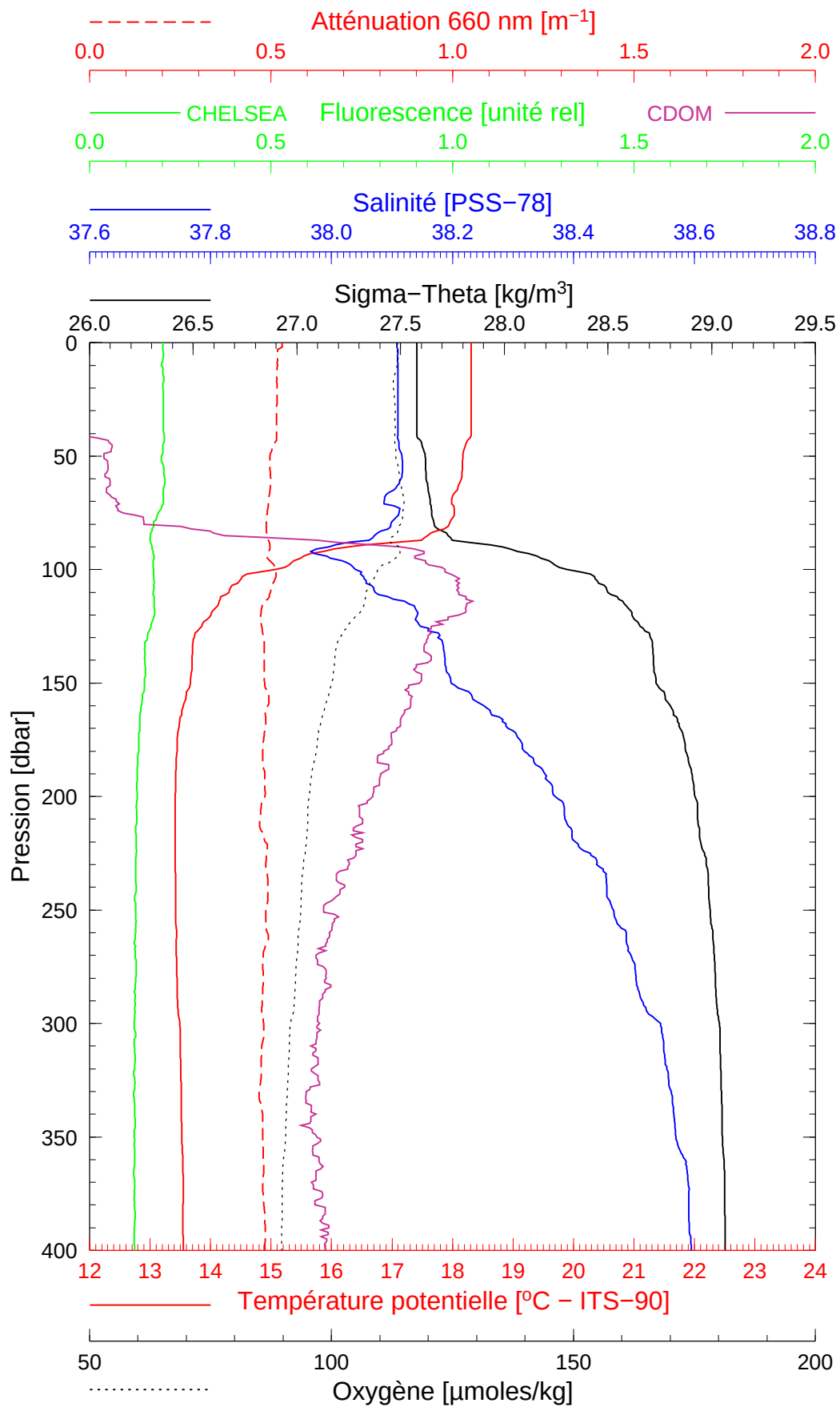
Longitude  $07^{\circ}25.094\text{ E}$

Boussole 69

06/11/2007

BOUS071106\_07

BOUS007



Date 06/11/2007  
Heure déb 20h 09min [TU]

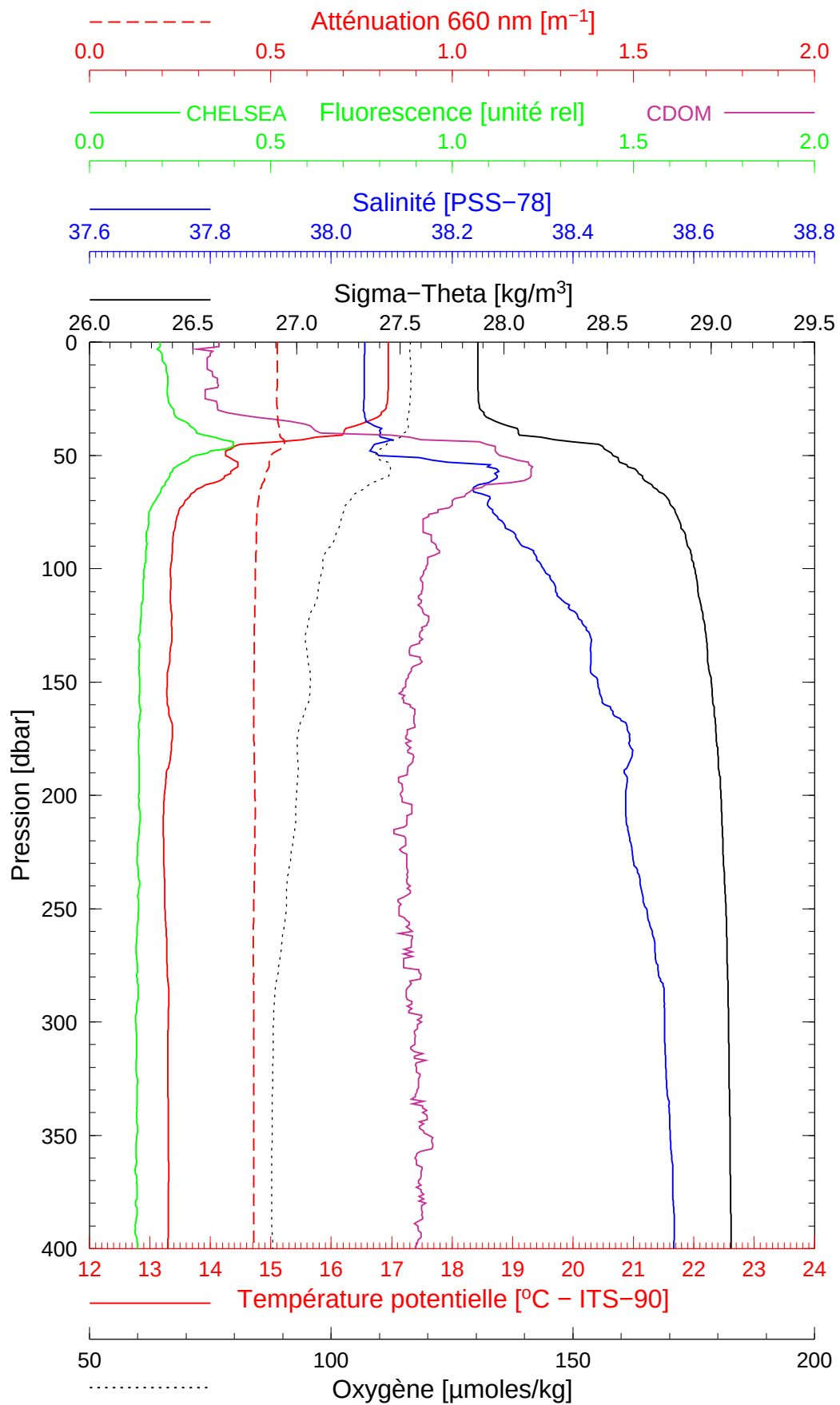
Latitude 43°39.012 N  
Longitude 07°20.956 E

Boussole 69

10/11/2007

BOUS071110\_01

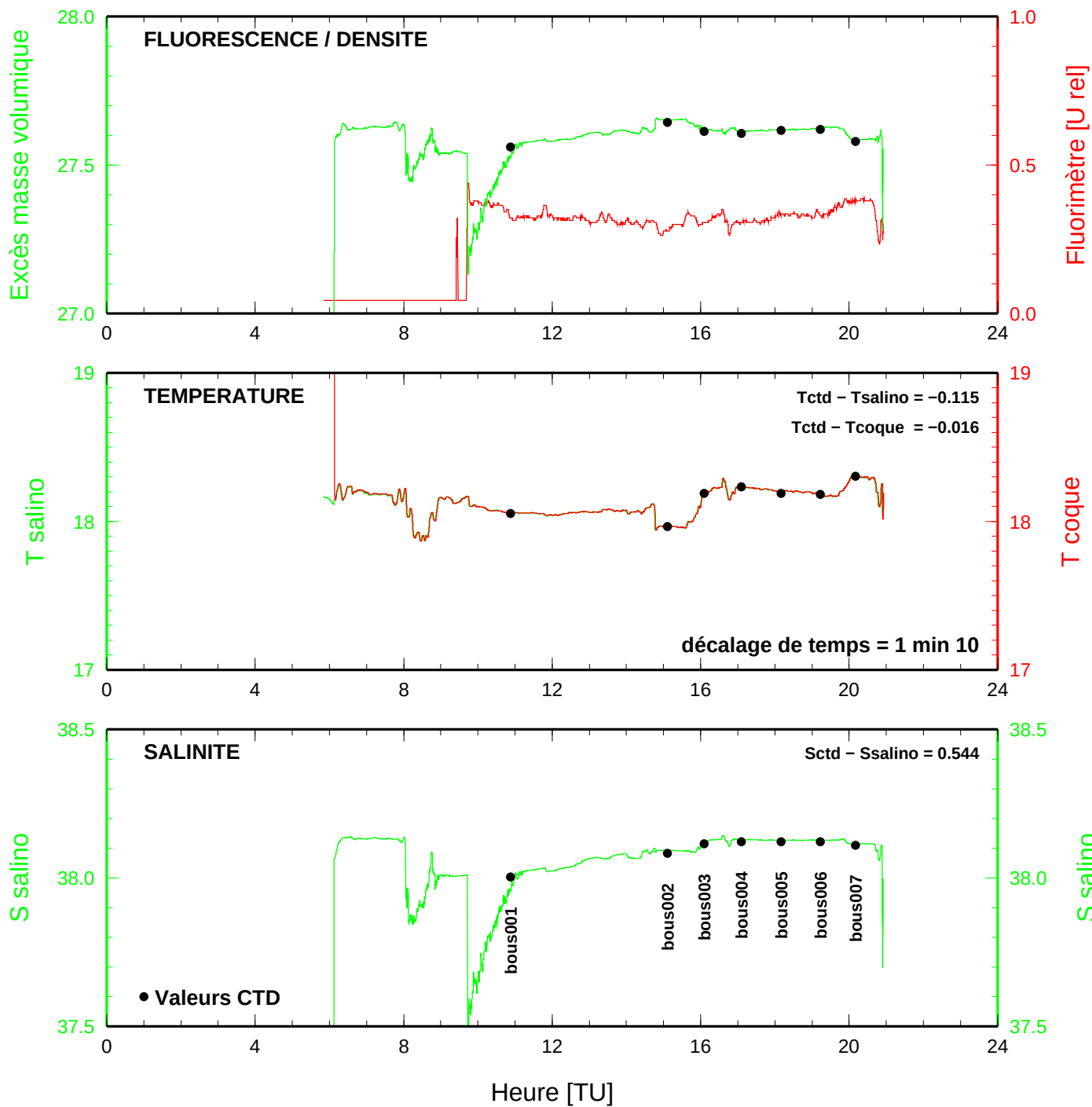
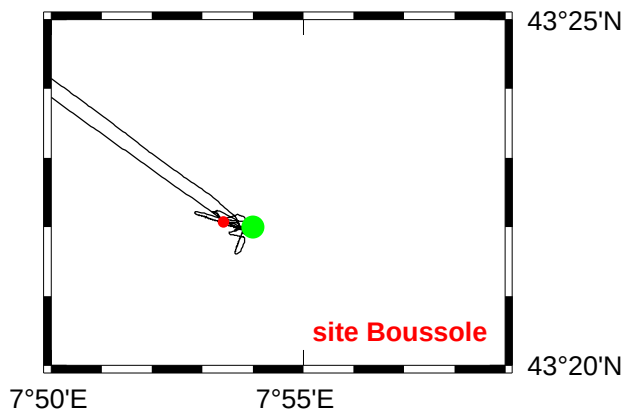
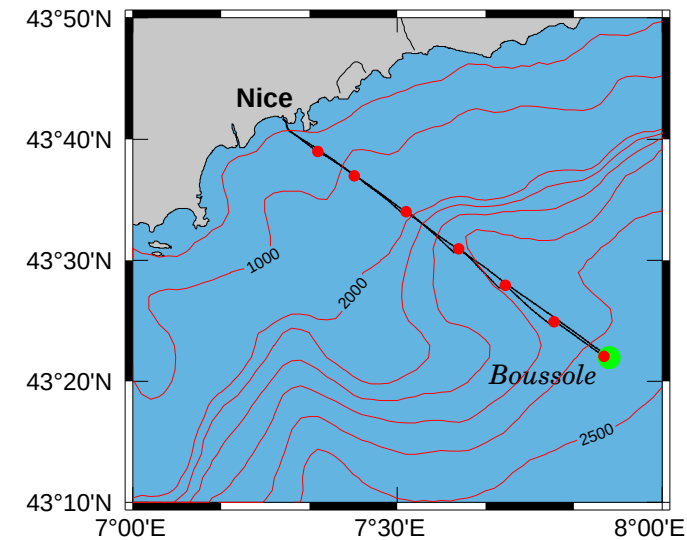
BOUS009



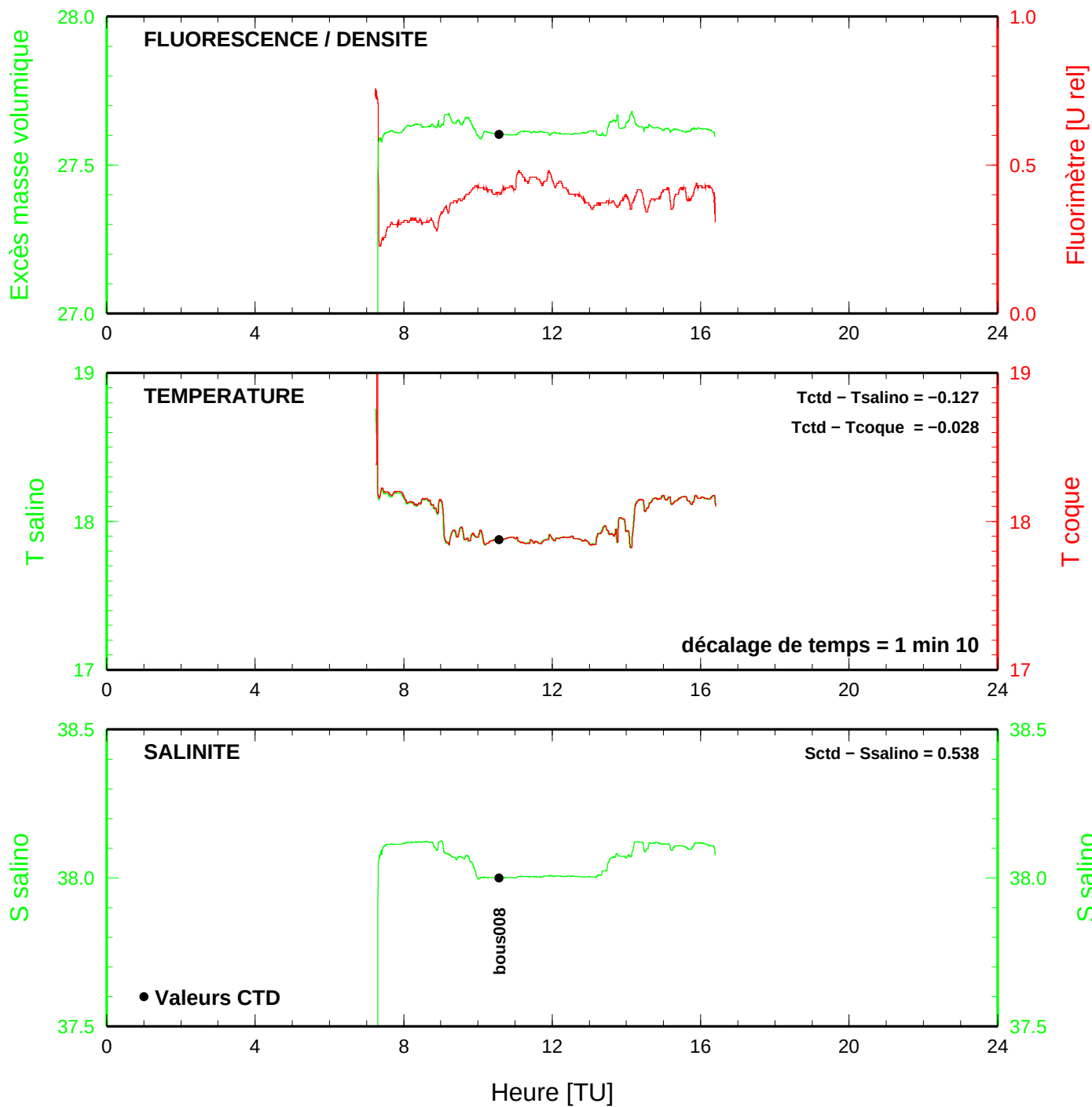
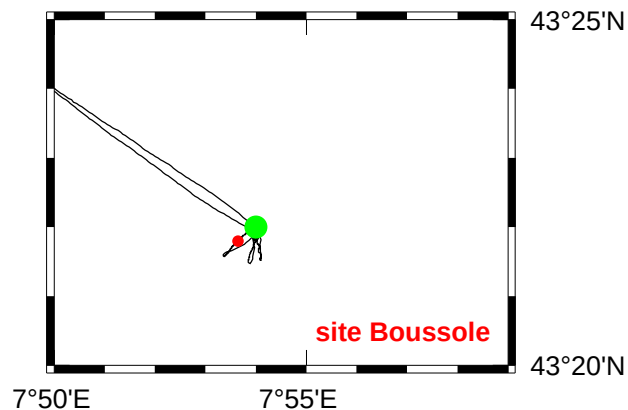
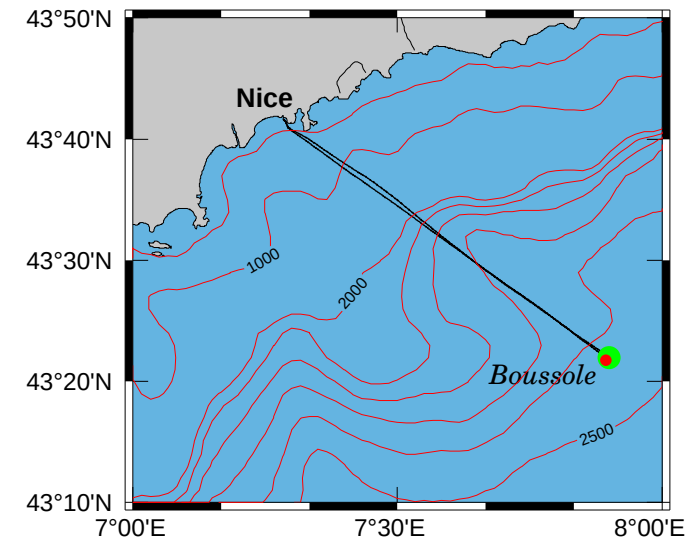
Date 10/11/2007  
Heure déb 09h 03min [TU]

Latitude  $43^{\circ}21.769\text{ N}$   
Longitude  $07^{\circ}53.302\text{ E}$

BOUSSOLE 69 06 novembre 2007



BOUSSOLE 69 07 novembre 2007



BOUSSOLE 69 10 novembre 2007

