



Anomalies on Argo profiles

From warning objective analysis, netcdf file analysis

April 2014

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Coriolis

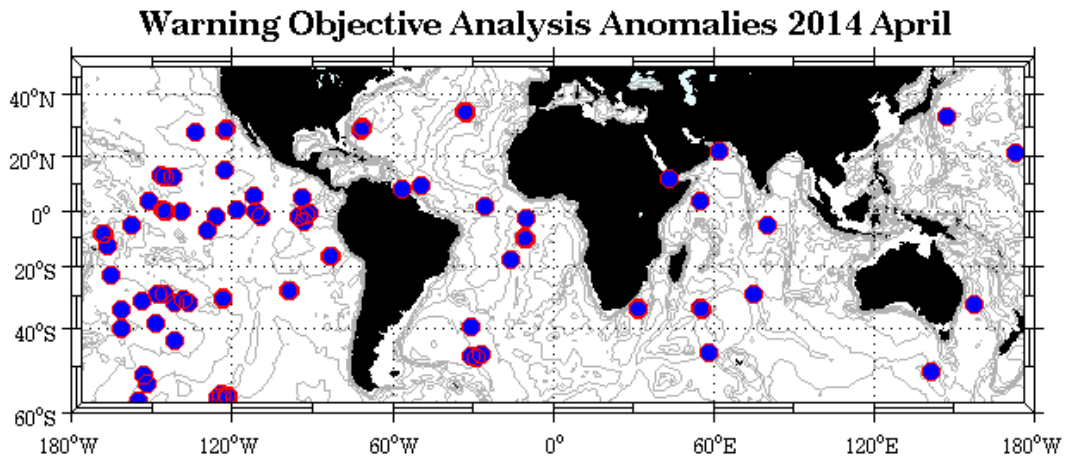
Anomalies by DAC

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1. DAC AOML

Profiles detected by the objective analysis: 96

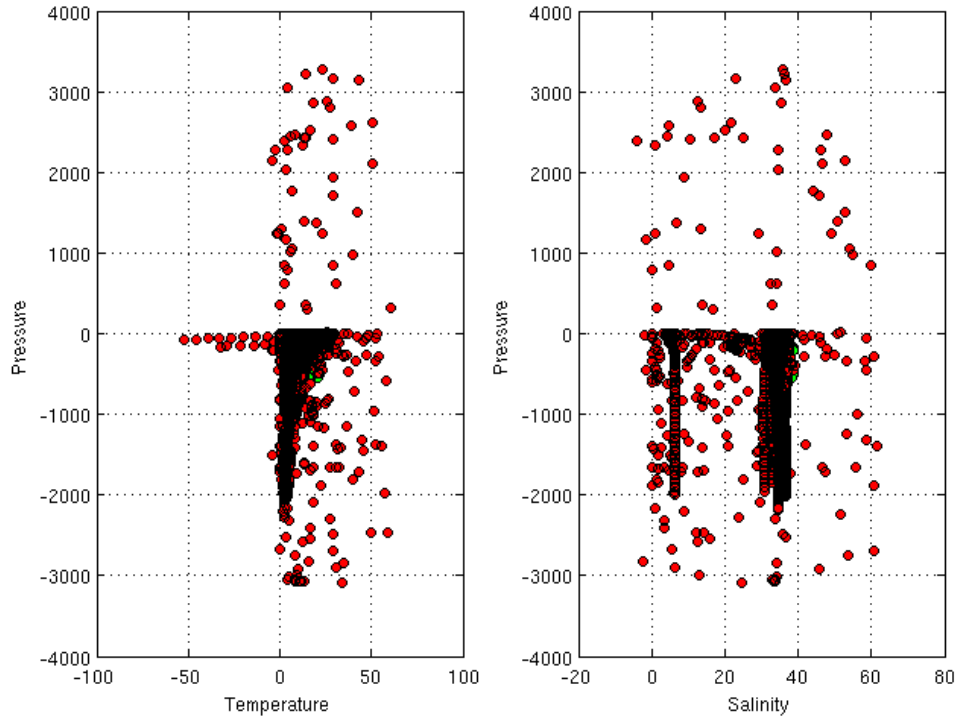


Status of corrections: Done except for few profiles –

Float : 1901045 - Cycle : 172 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX_SBE_3229 - Date : 2014 3 28
Float : 1901369 - Cycle : 179 - PI : STEPHEN RISER - Data mode : D - INST REF : APEX_SBE_4285 - Date : 2014 4 2
Float : 1901487 - Cycle : 127 - PI : BRECK OWENS - Data mode : R - INST REF : SOLO_SBE_1008 - Date : 2014 4 4
Float : 1901494 - Cycle : 76 - PI : ARIEL TROISI - Data mode : R - INST REF : SOLO_SBE_0979 - Date : 2014 4 22
Float : 1901503 - Cycle : 108 - PI : Breck Owens - Data mode : R - INST REF : SOLOIR_SBE_1039 - Date : 2014 4 17
Float : 1901504 - Cycle : 109 - PI : BRECK OWENS - Data mode : R - INST REF : SOLO_SBE_0966 - Date : 2014 4 21
Float : 1901553 - Cycle : 113 - PI : DEAN ROEMMICH - Data mode : R - INST REF : SOLO_SBE_2992 - Date : 2014 3 29
Float : 1901681 - Cycle : 23 - PI : Breck Owens, Steve Jayne, and P.E. Robbi - Data mode : R - INST REF : SOLO2IR_SBE_7082 - Date : 2014 4 6
Float : 1901696 - Cycle : 119 - PI : Breck Owens, Steve Jayne, P.E. Robbins - Data mode : R - INST REF : SOLO2IR_SBE_7185 - Date : 2014 4 19
Float : 1901696 - Cycle : 120 - PI : Breck Owens, Steve Jayne, P.E. Robbins - Data mode : R - INST REF : SOLO2IR_SBE_7185 - Date : 2014 4 24
Float : 1901708 - Cycle : 5 - PI : Breck Owens, Steve Jayne, P.E. Robbins - Data mode : R - INST REF : SOLO2IR_SBE_7136 - Date : 2014 3 17
Float : 1901708 - Cycle : 6 - PI : Breck Owens, Steve Jayne, P.E. Robbins - Data mode : R - INST REF : SOLO2IR_SBE_7136 - Date : 2014 3 27
Float : 1901708 - Cycle : 7 - PI : Breck Owens, Steve Jayne, P.E. Robbins - Data mode : R - INST REF : SOLO2IR_SBE_7136 - Date : 2014 4 6
Float : 1901708 - Cycle : 8 - PI : Breck Owens, Steve Jayne, P.E. Robbins - Data mode : R - INST REF : SOLO2IR_SBE_7136 - Date : 2014 4 16
Float : 2901431 - Cycle : 186 - PI : CARL SZCZECOWSKI - Data mode : A - INST REF : APEX_SBE_5511 - Date : 2014 4 10
Float : 2901450 - Cycle : 91 - PI : CARL SZCZECOWSKI - Data mode : A - INST REF : APEX_SBE_6492 - Date : 2014 4 23
Float : 2901452 - Cycle : 54 - PI : CARL SZCZECOWSKI - Data mode : A - INST REF : APEX_SBE_5620 - Date : 2014 4 3
Float : 2901452 - Cycle : 56 - PI : CARL SZCZECOWSKI - Data mode : A - INST REF : APEX_SBE_5620 - Date : 2014 4 11
Float : 3900715 - Cycle : 274 - PI : Robert A. Weller - Data mode : R - INST REF : SOLOIR_SBE_0856 - Date : 2014 3 19
Float : 3900715 - Cycle : 275 - PI : Robert A. Weller - Data mode : R - INST REF : SOLOIR_SBE_0856 - Date : 2014 3 29
Float : 3900715 - Cycle : 276 - PI : Robert A. Weller - Data mode : R - INST REF : SOLOIR_SBE_0856 - Date : 2014 4 8
Float : 3900780 - Cycle : 145 - PI : Gregory C. Johnson - Data mode : A - INST REF : APEXIR_SBE_4678 - Date : 2014 3 25
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Float : 4900853 - Cycle : 198 - PI : GREGORY C. JOHNSON - Data mode : R - INST REF : APEX_SBE_3966 - Date : 2014 4 9
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 Float : 5904504 - Cycle : 7 - PI : DEAN ROEMMICH - Data mode : R - INST REF : SOLO2IR_SBE_8217 - Date : 2014 3 2

Warning Objective Analysis Anomalies 2014 April TEMP PSAL - DAC AO



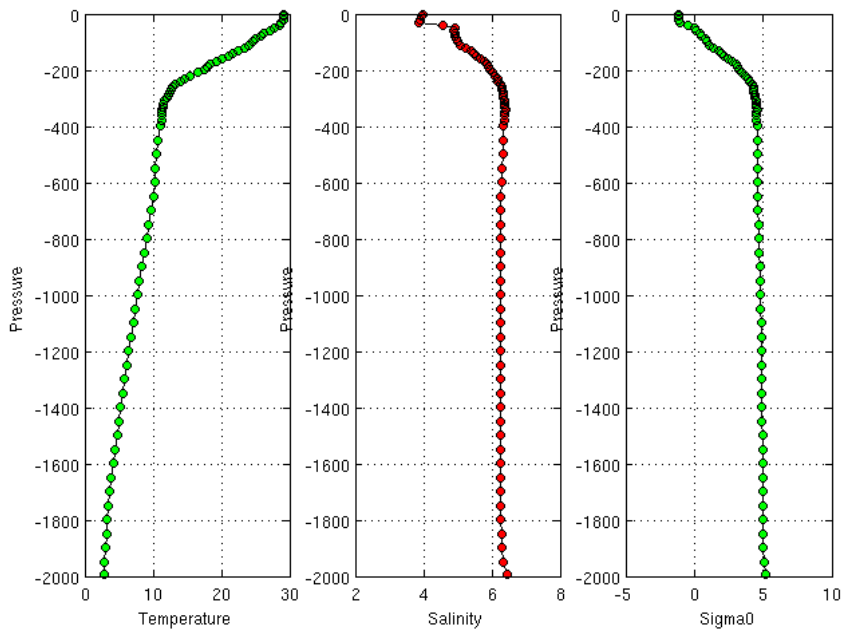
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 AO,3901158,1,24/04/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32918373> ,PSAL,312,470,1,4
 AO,5903980,51,25/04/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32921775> ,PSAL,51.6,51.6,1,4
 AO,5903980,51,25/04/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32921775> ,TEMP,51.6,51.6,1,4
 AO,5903975,52,26/04/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32922779> ,TEMP,1649.4,1649.4,1,4
 AO,3901166,3,26/04/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32924939> ,PSAL,8,50,1,4
 AO,3901166,3,26/04/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32924939> ,PSAL,64,98,1,4
 AO,3901166,3,26/04/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32924939> ,PSAL,106,492,1,4

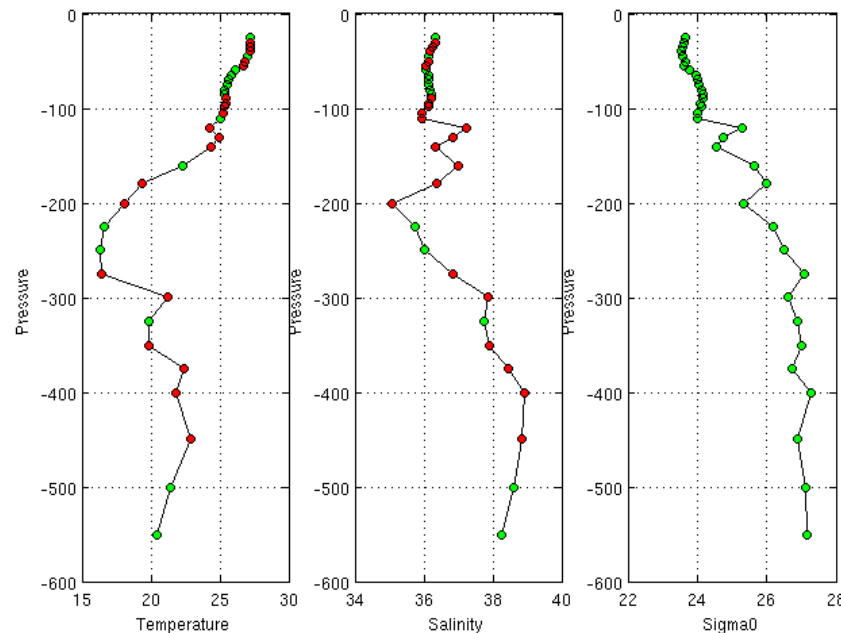
APEX to put on the grey list:

Example of corrections:

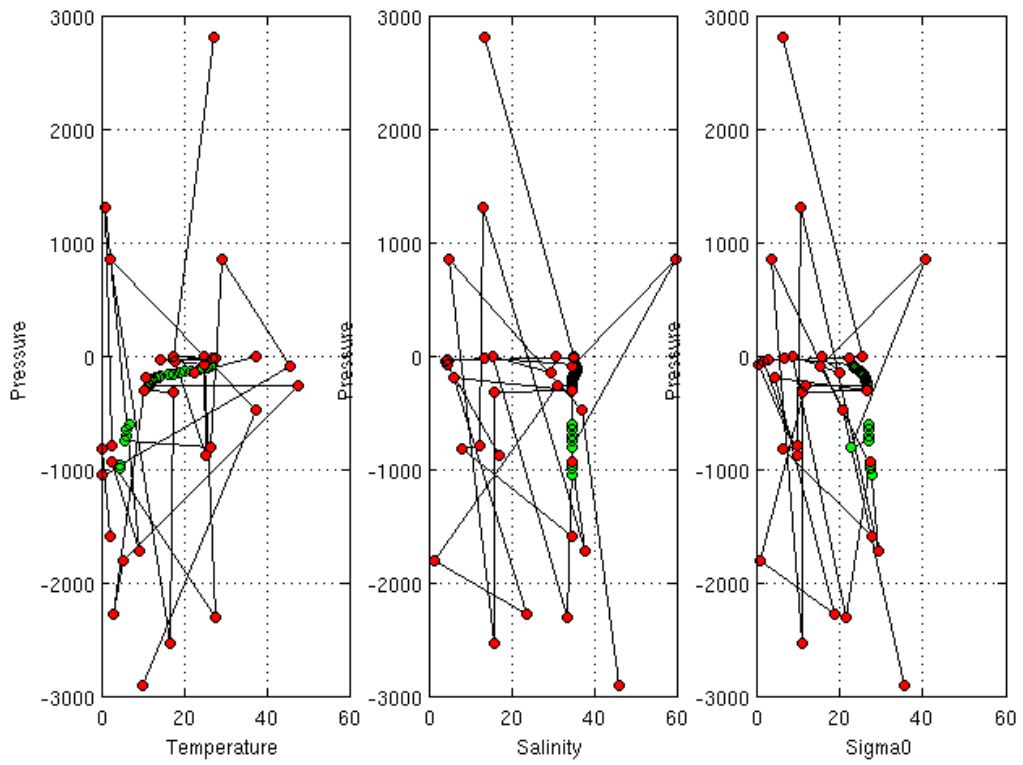
Warning Objective Analysis Anomalies 2014 April TEMP PSAL : DAC AO- Float 1901045-172



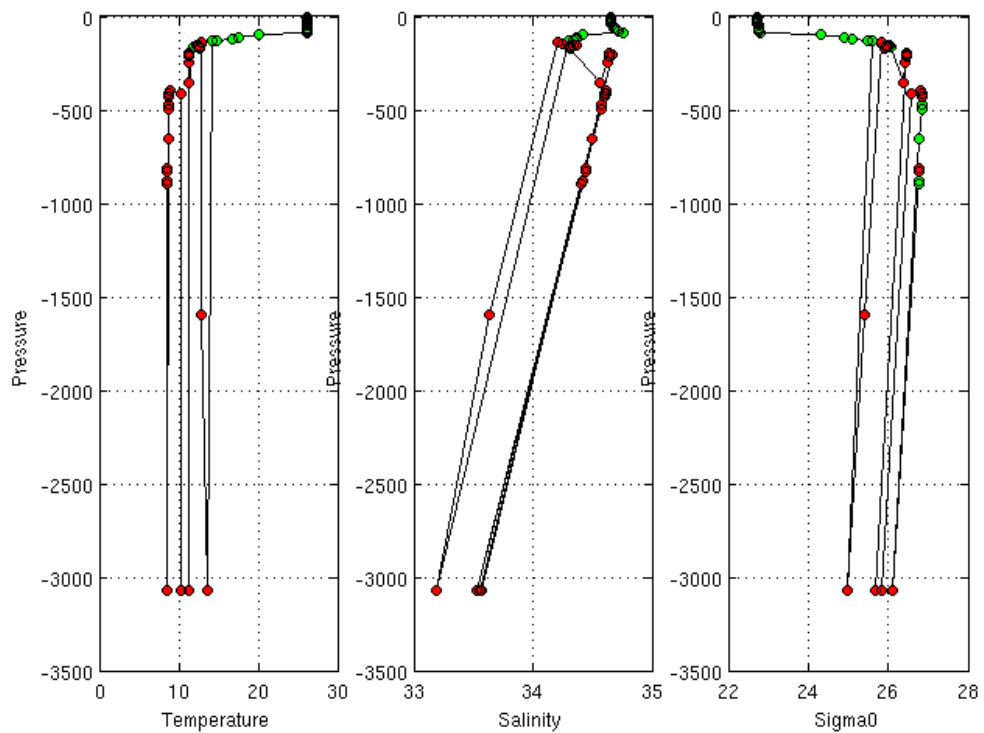
Warning Objective Analysis Anomalies 2014 April TEMP PSAL : DAC AO- Float 2901452-54



Warning Objective Analysis Anomalies 2014 April TEMP PSAL : DAC AO- Float 3900844-229



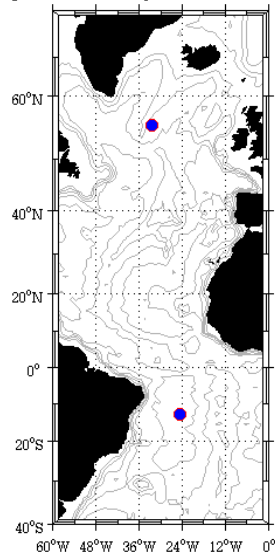
Warning Objective Analysis Anomalies 2014 April TEMP PSAL : DAC AO- Float 5900425-356



2. DAC BODC

Profiles detected by the objective analysis: 2

Warning Objective Analysis Anomalies 2014 April

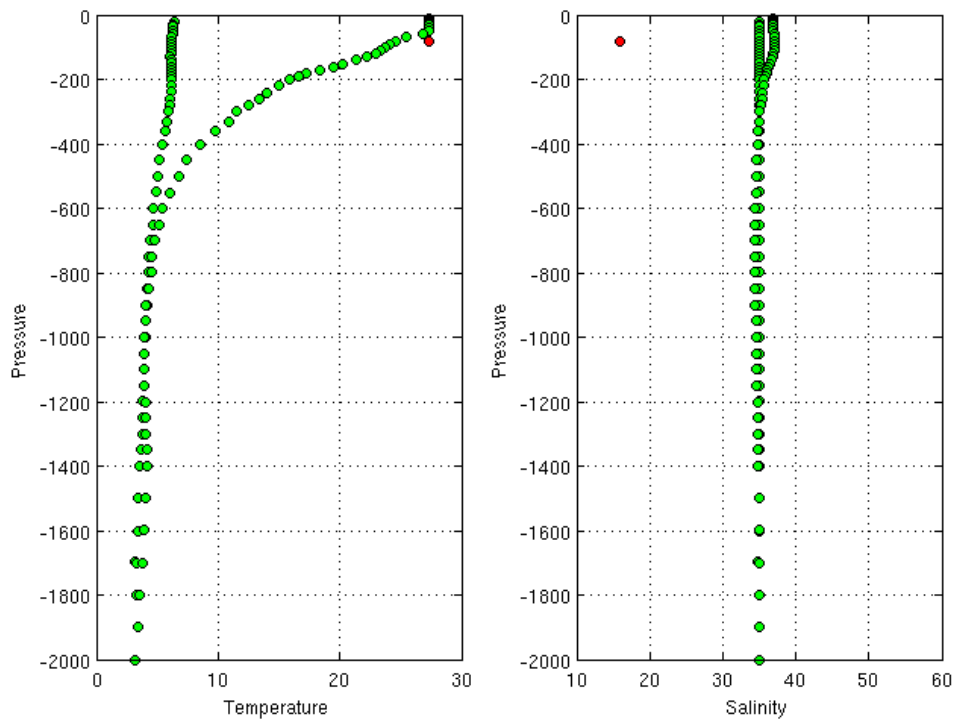


Status of corrections: Done for one profile, not for the other, no feedback

Float : 3900309 - Cycle : 17 - PI : Jon Turton - Data mode : A - INST REF : APEX-SBE 6612 - Date : 2014 4 5

Float : 6901134 - Cycle : 63 - PI : Jon Turton - Data mode : A - INST REF : APEX-SBE 5538 - Date : 2014 4 25

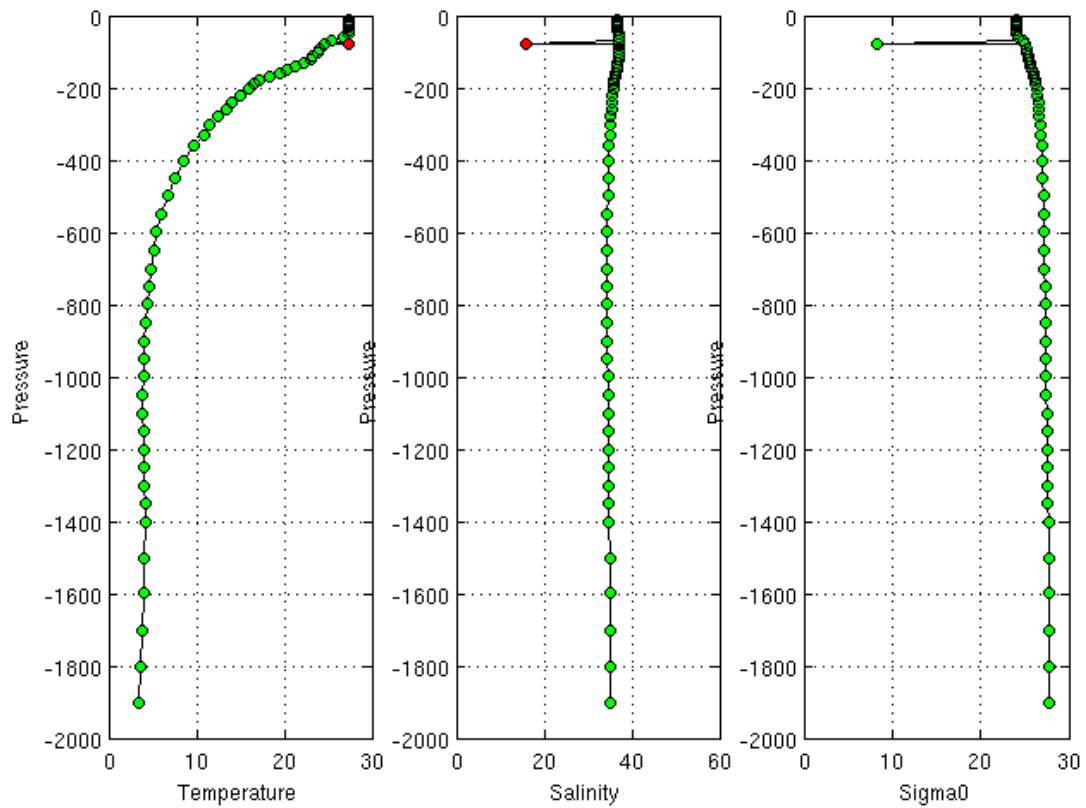
Warning Objective Analysis Anomalies 2014 April TEMP PSAL - DAC BO



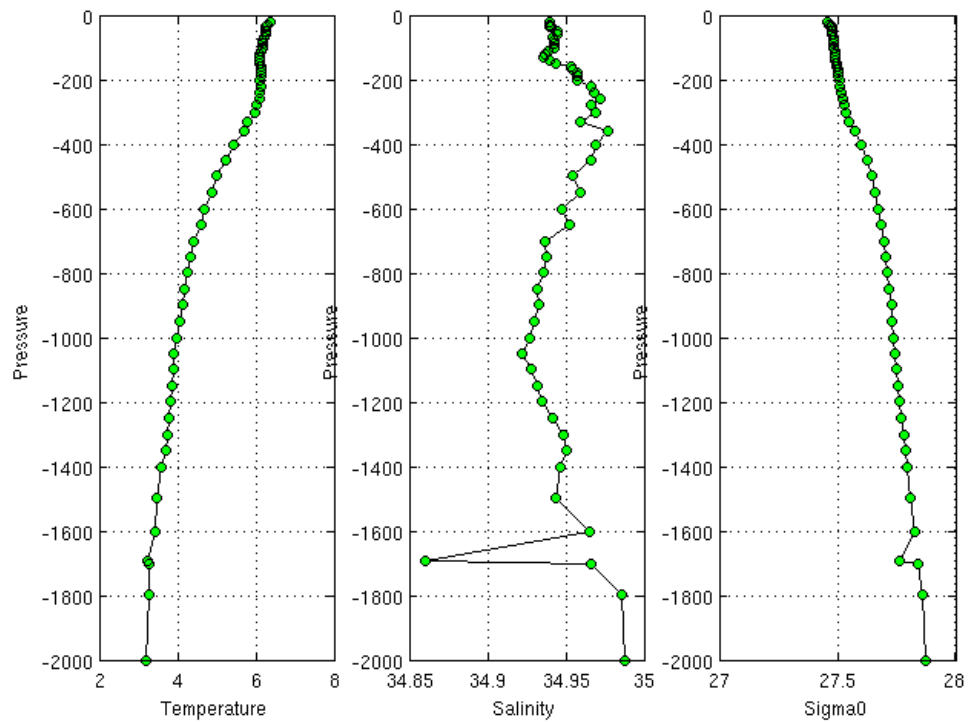
DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
BO,3900309,17,07/04/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32774475>,TEMP,80,80,1,4
BO,6901134,63,25/04/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32922679>,PSAL,1694.6,1694.6,1,4
BO,6901134,63,25/04/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32922679>,TEMP,1694.6,1694.6,1,4

Example of corrections:

Warning Objective Analysis Anomalies 2014 April TEMP PSAL : DAC BO- Float 3900309-17

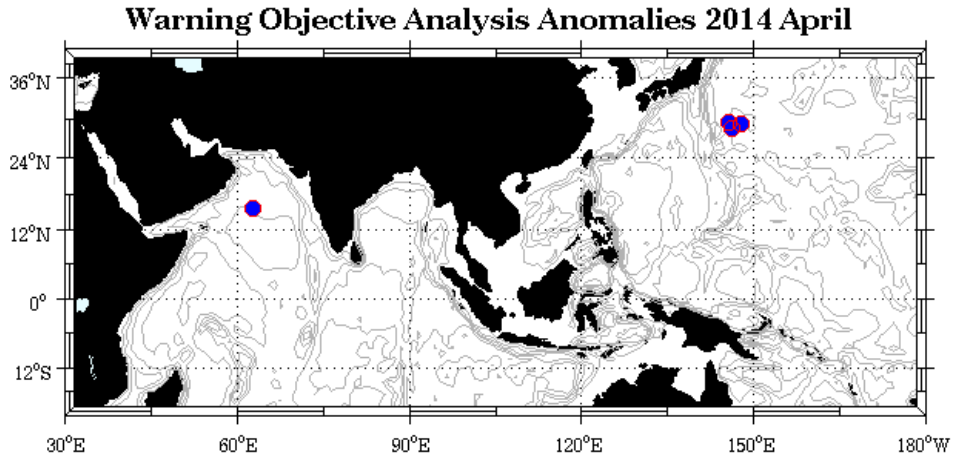


Warning Objective Analysis Anomalies 2014 April TEMP PSAL : DAC BO- Float 6901134-63



3. DAC CSIO

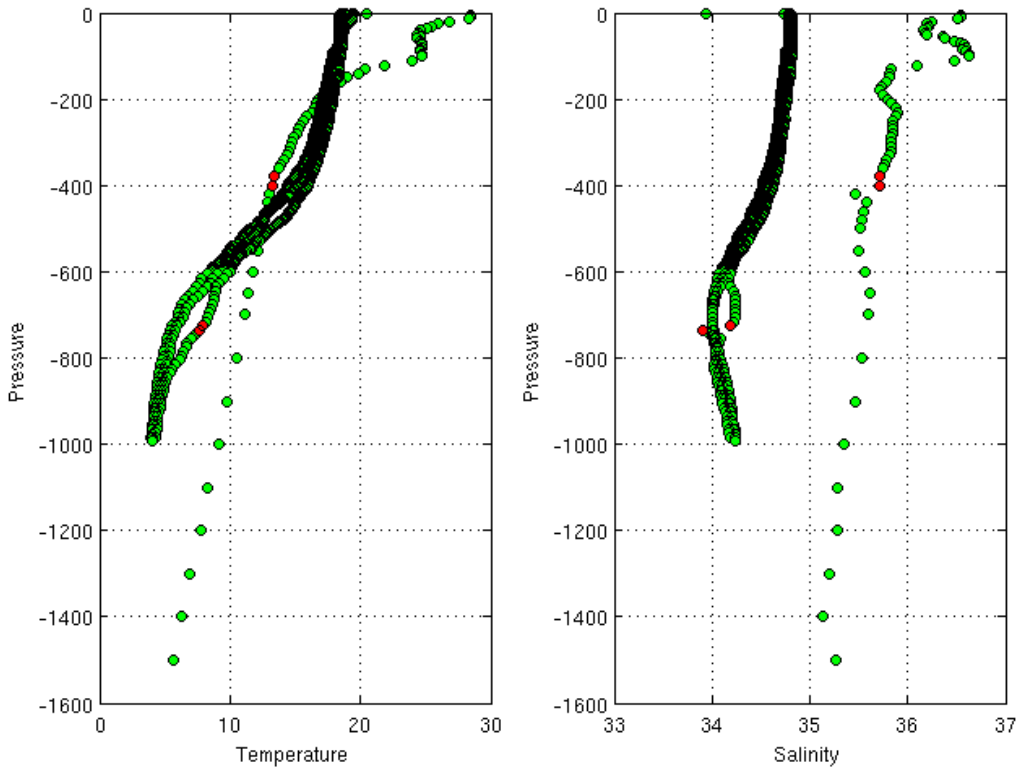
Profiles detected by the objective analysis: 4



Status of corrections: Not Done, No Feedback

- Float : 2901509 - Cycle : 221 - PI : JIANPING XU - Data mode : A - INST REF : - Date : 2014 4 12
- Float : 2901550 - Cycle : 4 - PI : Shangping Xie - Data mode : A - INST REF : - Date : 2014 3 31
- Float : 2901550 - Cycle : 21 - PI : Shangping Xie - Data mode : A - INST REF : - Date : 2014 4 17
- Float : 2901562 - Cycle : 15 - PI : Shangping Xie - Data mode : A - INST REF : - Date : 2014 4 11

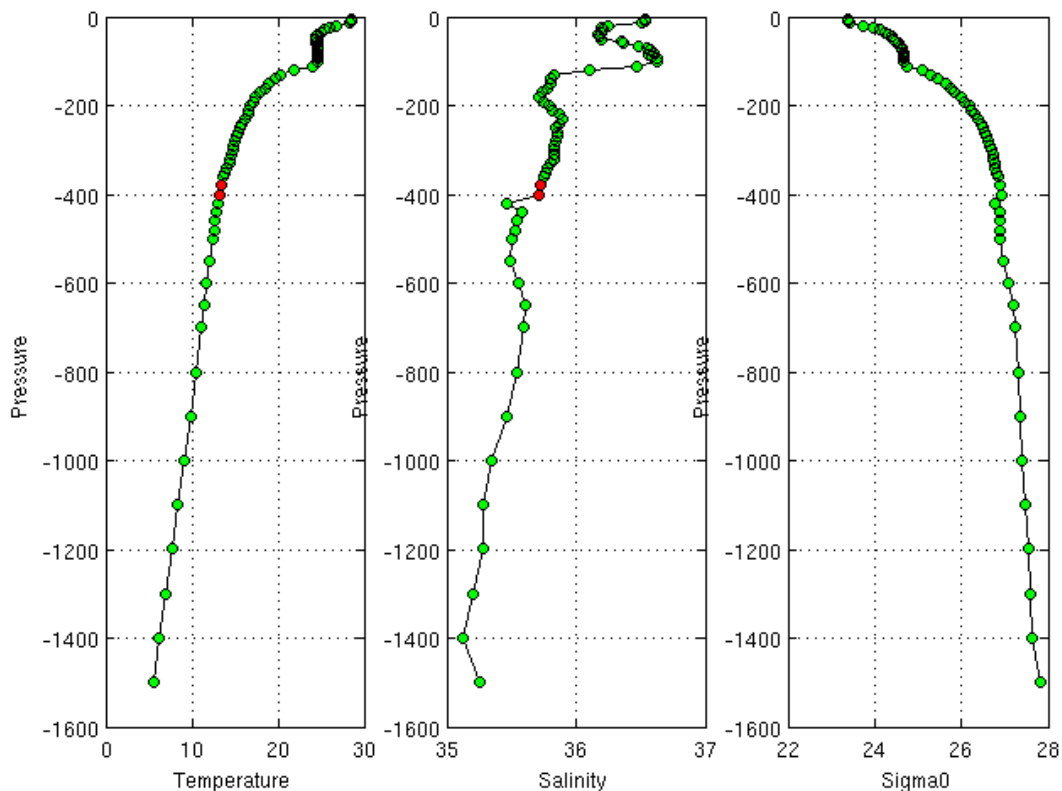
Warning Objective Analysis Anomalies 2014 April TEMP PSAL - DAC HZ



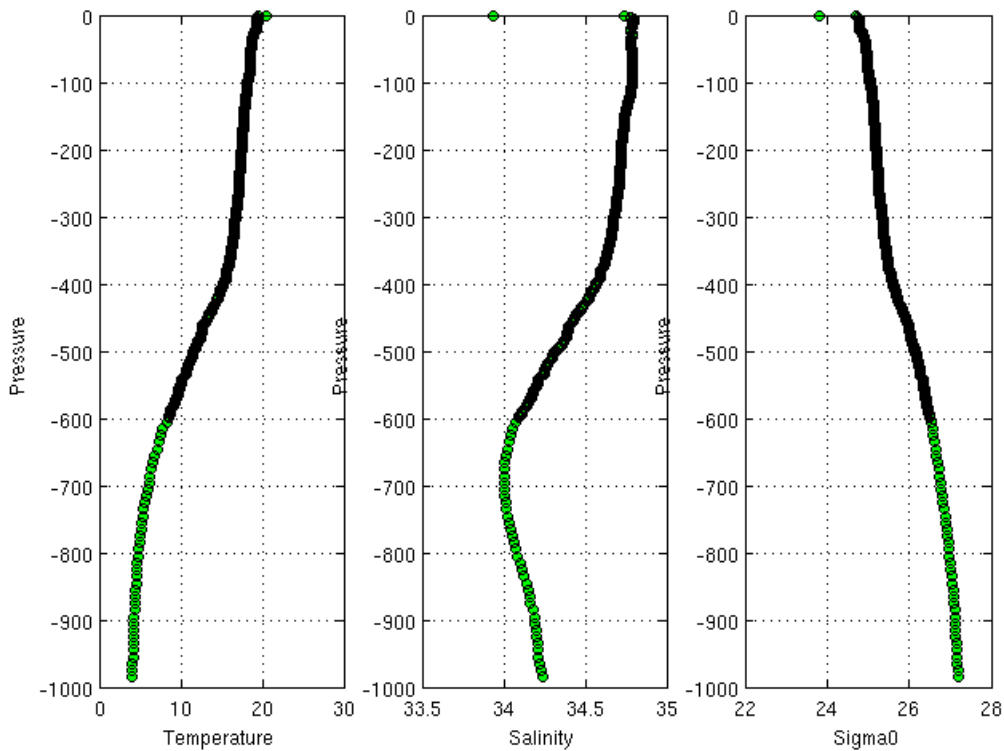
DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
 HZ,2901550,4,01/04/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32764047 ,POSS,,,1,4
 HZ,2901562,15,11/04/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32814484 ,PSAL,745.4,745.4,1,4
 HZ,2901509,221,14/04/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32820254 ,PSAL,420.6,420.6,1,4
 HZ,2901509,221,14/04/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32820254 ,PSAL,1500.3,1500.3,1,4
 HZ,2901550,21,17/04/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32863330 ,PSAL,,3,,3,1,4
 HZ,2901550,21,17/04/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32863330 ,TEMP,,3,,3,1,4

Example of corrections:

Warning Objective Analysis Anomalies 2014 April TEMP PSAL : DAC HZ- Float 2901509-221

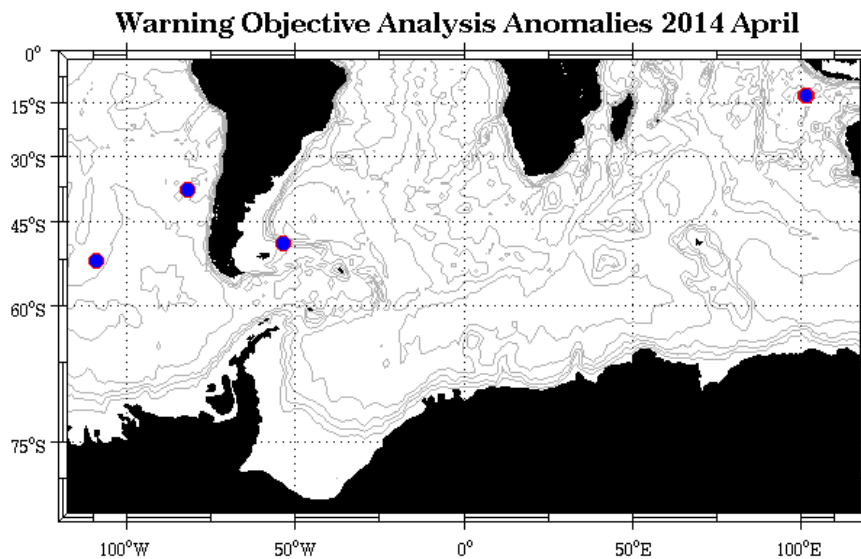


Warning Objective Analysis Anomalies 2014 April TEMP PSAL : DAC HZ- Float 2901550-21



4. DAC CSIRO

Profiles detected by the objective analysis: 5



Status of corrections: DONE with feedback

Float : 3901467 - Cycle : 168 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2014 4 10

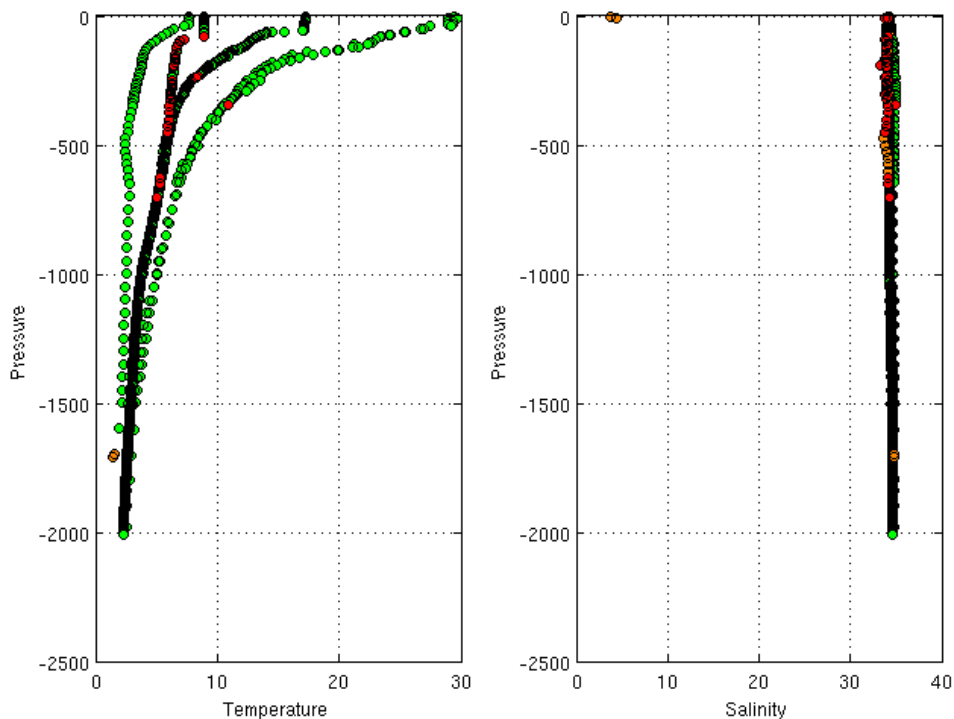
Float : 5901647 - Cycle : 230 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2014 4 21

Float : 5901654 - Cycle : 217 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2014 3 8

Float : 5903914 - Cycle : 87 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2014 4 10

Float : 5903914 - Cycle : 88 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2014 4 20

Warning Objective Analysis Anomalies 2014 April TEMP PSAL - DAC CS

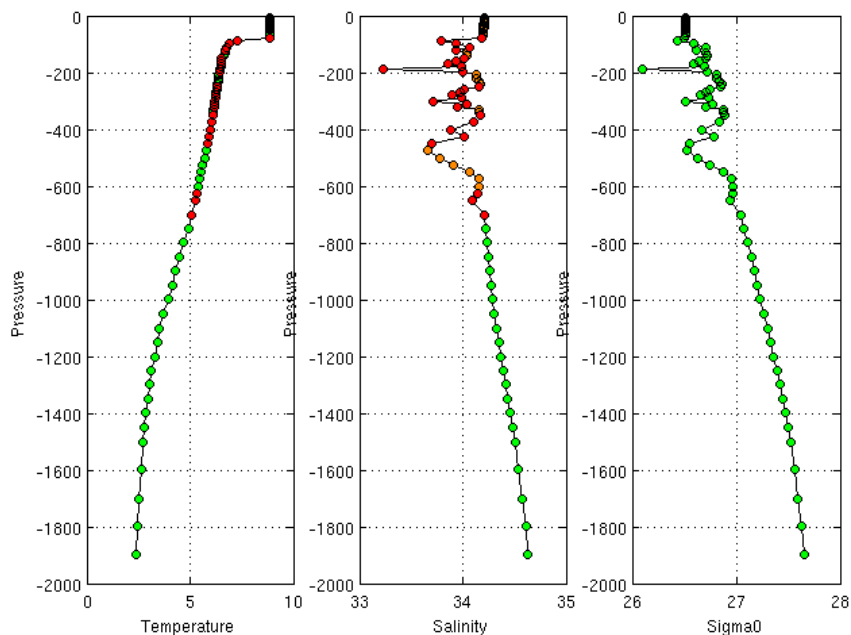


DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
CS,5901654,217,11/03/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32559692 ,PSAL,1699,1711.5,1,3
CS,5901654,217,11/03/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32559692 ,TEMP,1699,1711.5,1,3

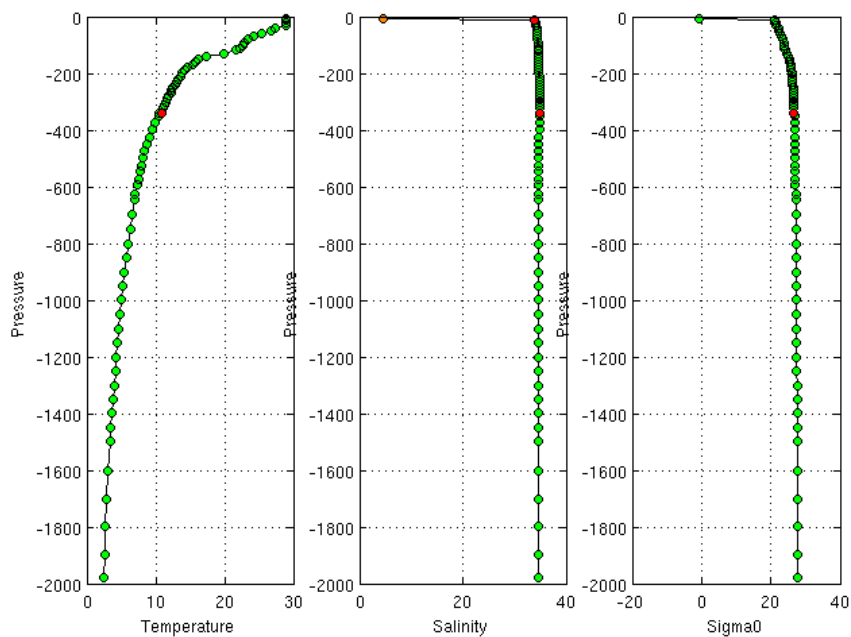
DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
 CS,5903914,87,13/04/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32808955 ,PSAL,3.4,3.4,1,4
 CS,5903914,87,22/04/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32808955 ,PSAL,3.4,3.4,3,4
 CS,5903914,88,22/04/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32872840 ,PSAL,8.6,8.6,3,4
 CS,5903914,87,22/04/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32808955 ,PSAL,3.4,3.4,3,4
 CS,5903914,88,23/04/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32872840 ,PSAL,8.6,8.6,1,4
 CS,5901647,230,24/04/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32881717 ,PSAL,129.7,140.3,1,4
 CS,5901647,230,24/04/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32881717 ,PSAL,209.5,240.6,1,4
 CS,5901647,230,24/04/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32881717 ,PSAL,330.2,339.9,1,4
 CS,5901647,230,24/04/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32881717 ,PSAL,475.3,600,1,4
 CS,3901467,168,24/04/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32920225 ,PSAL,240,304,1,4

Example of corrections:

Warning Objective Analysis Anomalies 2014 April TEMP PSAL : DAC CS- Float 5901647-230



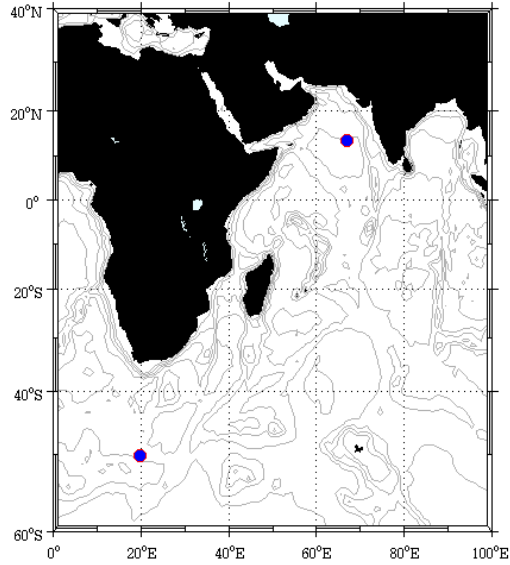
Warning Objective Analysis Anomalies 2014 April TEMP PSAL : DAC CS- Float 5903914-88



5. DAC INCOIS

Profiles detected by the objective analysis: 2

Warning Objective Analysis Anomalies 2014 April



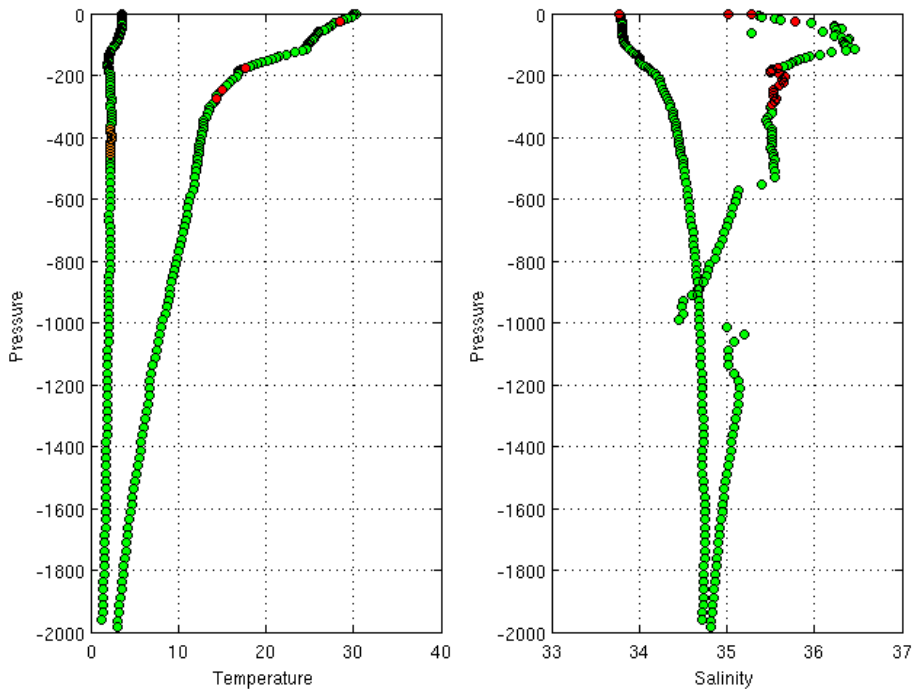
Status of corrections: To Be Done by Coriolis

(Comment: Some (Provor/Arvor) are directly taken into account in the Coriolis process, such as decoding and quality control).

Float : 2902120 - Cycle : 5 - PI : M Ravichandran - Data mode : R - FLOAT SERIAL : OIN 13_IND-S4-00 - Date : 2014 4 29

Float : 2902130 - Cycle : 6 - PI : M Ravichandran - Data mode : R - FLOAT SERIAL : OIN 13IND_S4_002 - Date : 2014 4 11

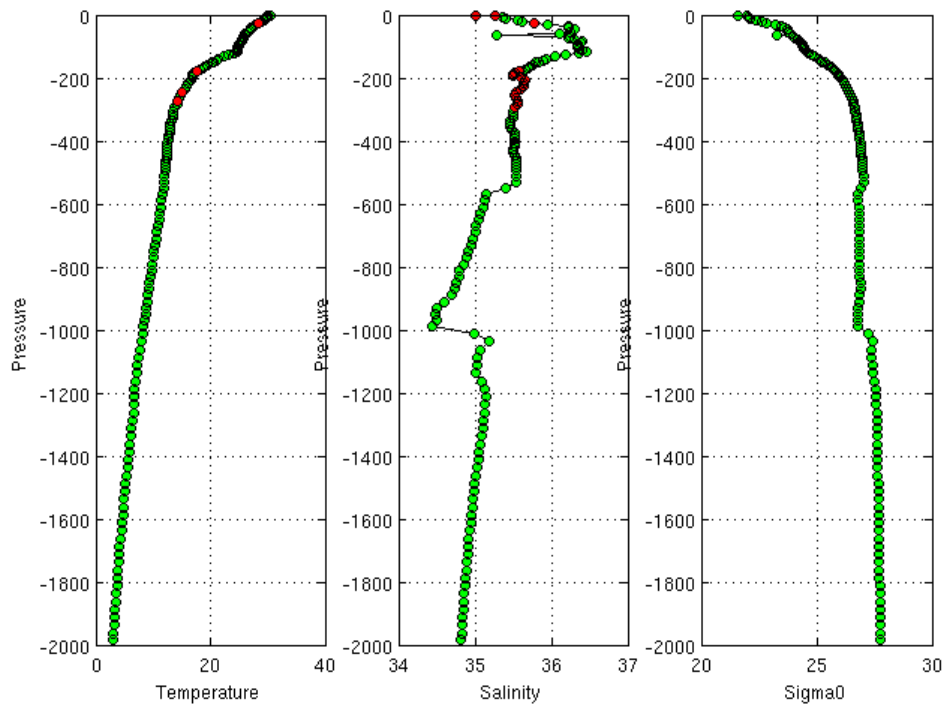
Warning Objective Analysis Anomalies 2014 April TEMP PSAL - DAC IN



DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
IN,2902130,6,11/04/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32814421>,TEMP,1957.9,1537.8,1,3
IN,2902120,5,30/04/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32961402>,PSAL,870.3,589.9,1,4
IN,2902120,5,30/04/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32961402>,PSAL,1012.7,949.7,1,4
IN,2902120,5,30/04/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32961402>,PSAL,1163.4,1087.8,1,4

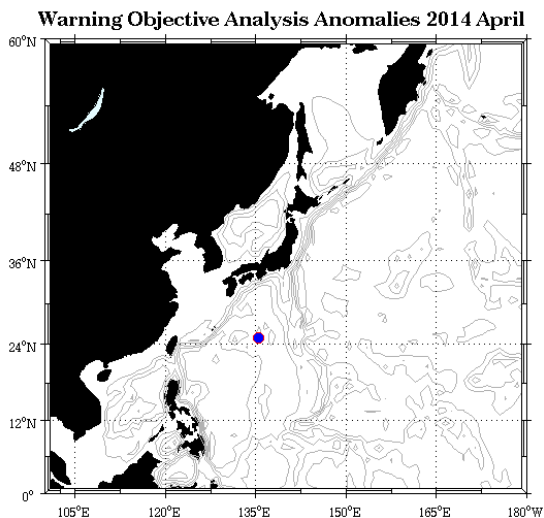
Example of corrections:

Warning Objective Analysis Anomalies 2014 April TEMP PSAL : DAC IN- Float 2902120-5



6. DAC JMA/JAMSTEC

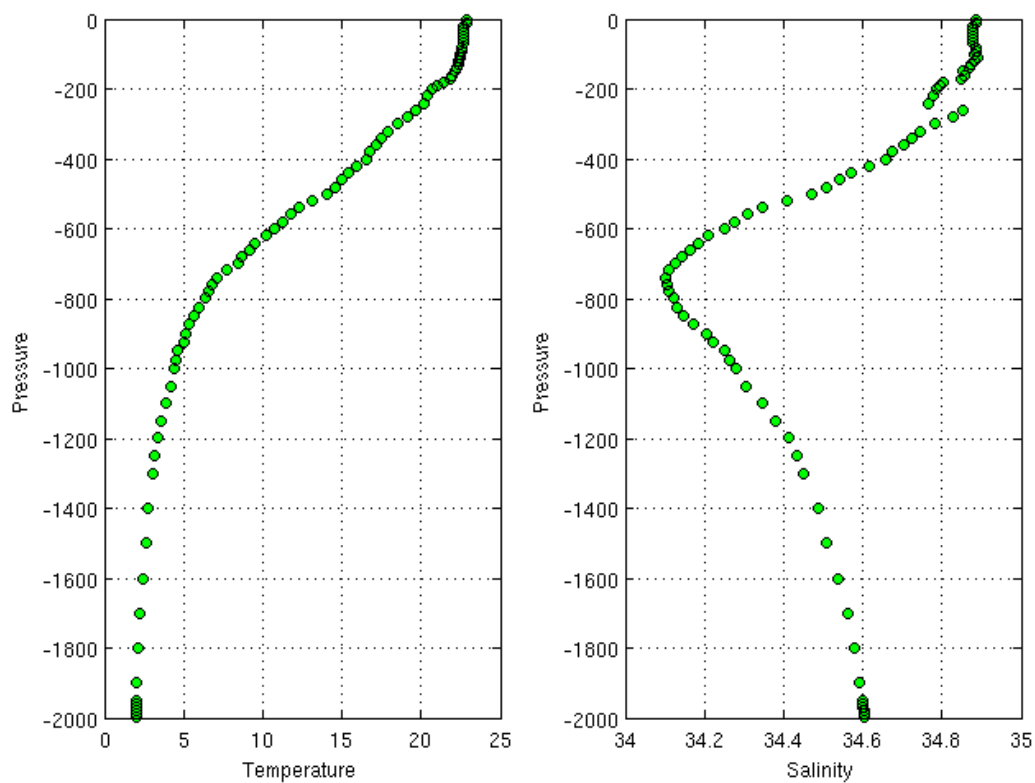
Profiles detected by the objective analysis: 1



Status of corrections: Not done, no feedback

Float : 2902493 - Cycle : 11 - PI : JMA - Data mode : A - INST REF : APEX-SBE 6701 - Date : 2014 3 1

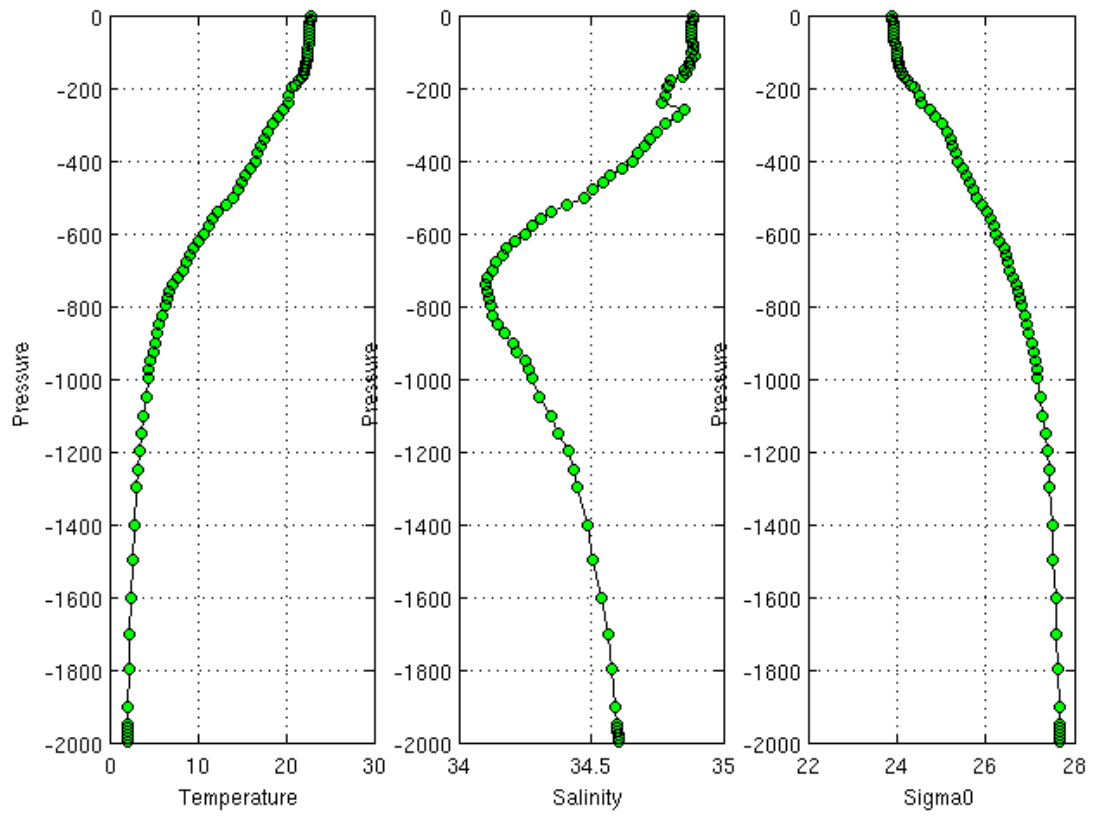
Warning Objective Analysis Anomalies 2014 April TEMP PSAL - DAC JA



DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
JA,2902493,11,05/03/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32506180> ,PSAL,1960.1,1960.1,1,3
JA,2902493,11,05/03/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32506180> ,TEMP,1960.1,1960.1,1,3

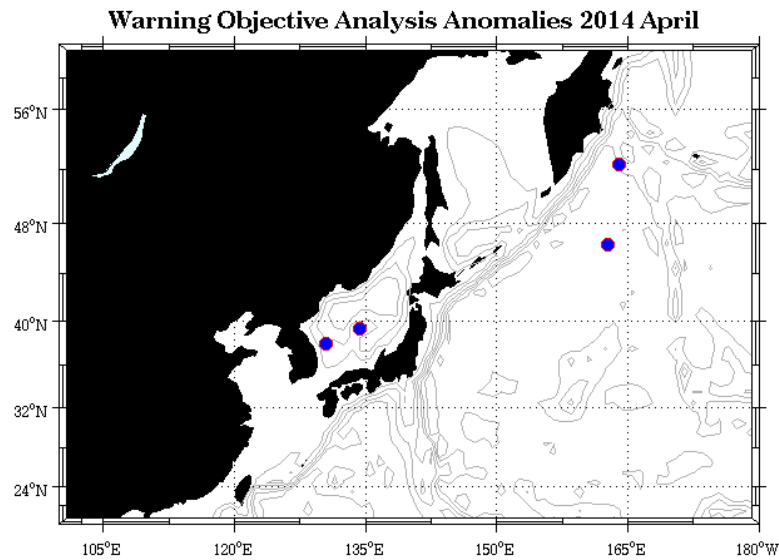
Example of anomalies: End of the profile

Warning Objective Analysis Anomalies 2014 April TEMP PSAL : DAC JA- Float 2902493-11



7. DAC KMA

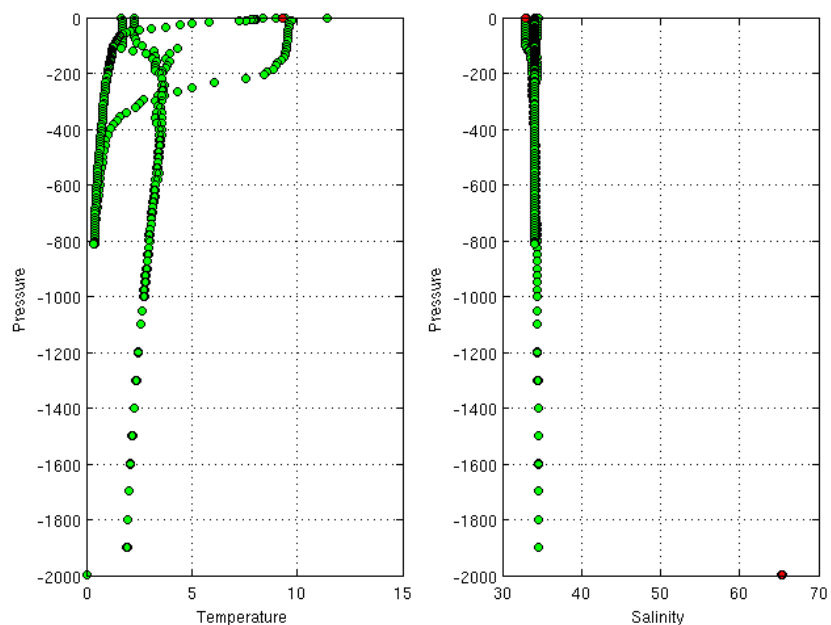
Profiles detected by the objective analysis: 4



Status of corrections: NOT DONE, NO FEEDBACK

Float : 2900440 - Cycle : 19 - PI : Yong-Hoon Youn - Data mode : D - INST REF : APEX-SBE 1898 - Date : 2005 4 4
Float : 2901245 - Cycle : 93 - PI : Sang-Boom Ryoo - Data mode : R - INST REF : ARVOR Profiling Float - Date : 2014 4 23
Float : 2901713 - Cycle : 24 - PI : Young-Hwa Kim - Data mode : R - INST REF : APEX Profiling Float - Date : 2014 3 31
Float : 2901714 - Cycle : 24 - PI : Young-Hwa Kim - Data mode : R - INST REF : APEX Profiling Float - Date : 2014 4 1

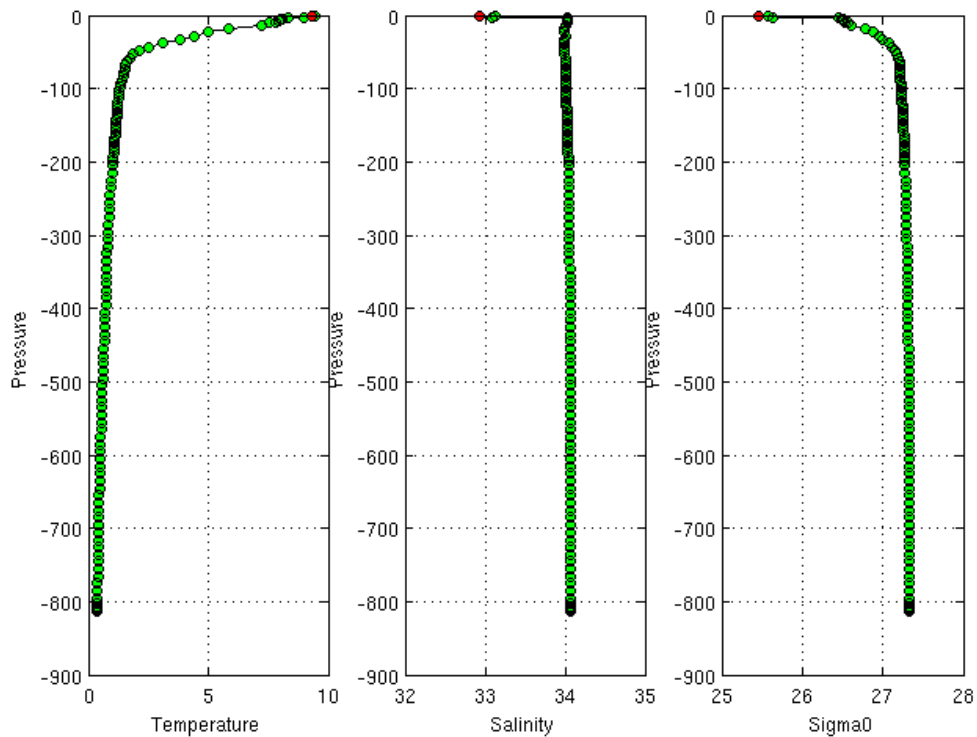
Warning Objective Analysis Anomalies 2014 April TEMP PSAL - DAC KM



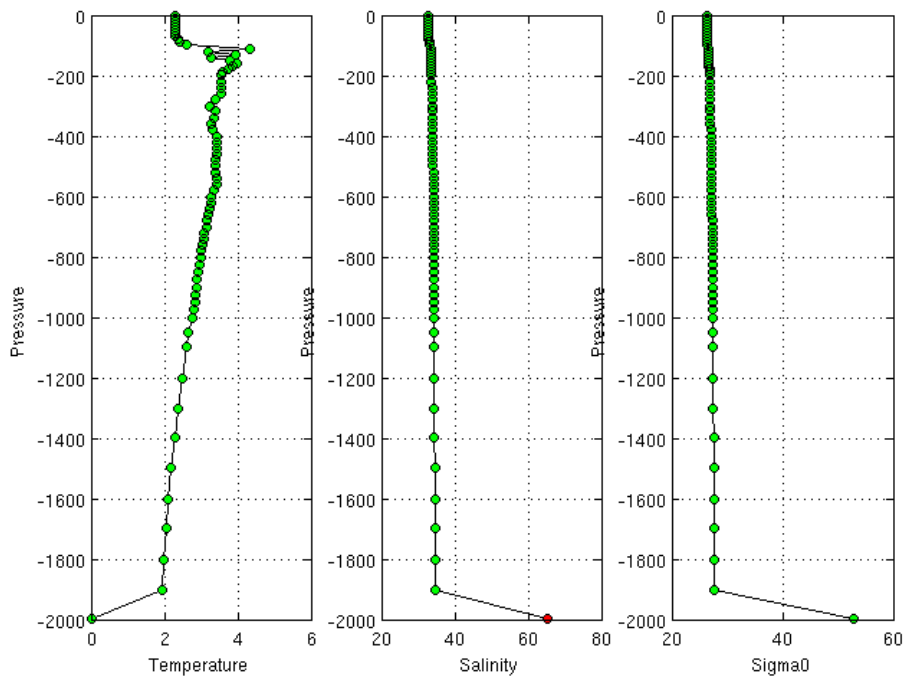
DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
KM,2901713,24,01/04/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32774627> ,TEMP,1997.5,1997.5,1,4
KM,2901714,24,02/04/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32774628> ,TEMP,1997.5,1997.5,1,4
KM,2900440,19,02/10/2011 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=7535149> ,PSAL,4.4,4.4,1,4

Example of anomalies:

Warning Objective Analysis Anomalies 2014 April TEMP PSAL : DAC KM- Float 2901245-93

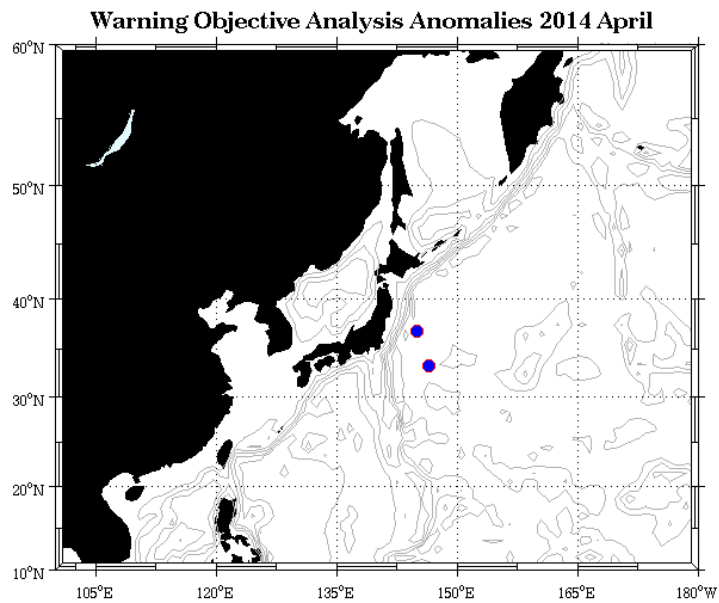


Warning Objective Analysis Anomalies 2014 April TEMP PSAL : DAC KM- Float 2901713-24



8. DAC KORDI

Profiles detected by the objective analysis: 2

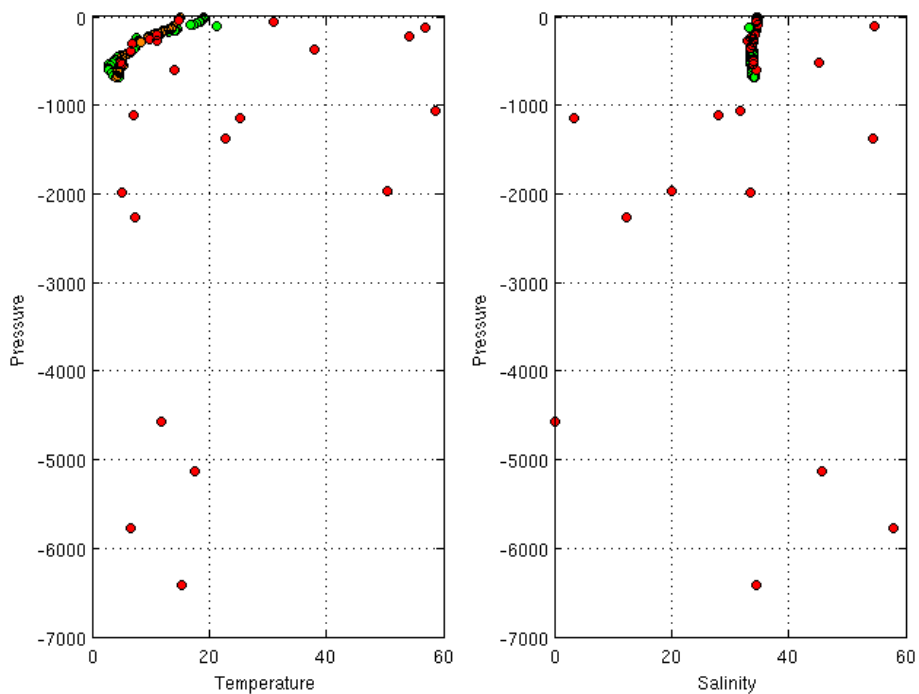


Status of corrections: Not done, no feedback

Float : 2900784 - Cycle : 286 - PI : Moon-Sik Suk - Data mode : A - INST REF : APEX-SBE 2487 - Date : 2014 4 14

Float : 2900784 - Cycle : 287 - PI : Moon-Sik Suk - Data mode : A - INST REF : APEX-SBE 2487 - Date : 2014 4 24

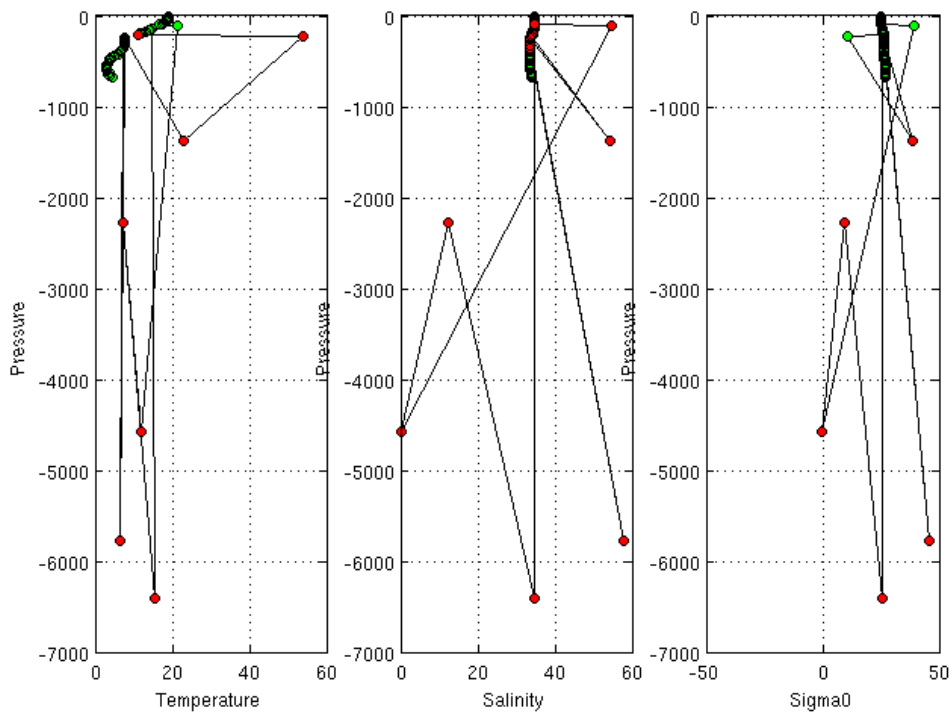
Warning Objective Analysis Anomalies 2014 April TEMP PSAL - DAC KO



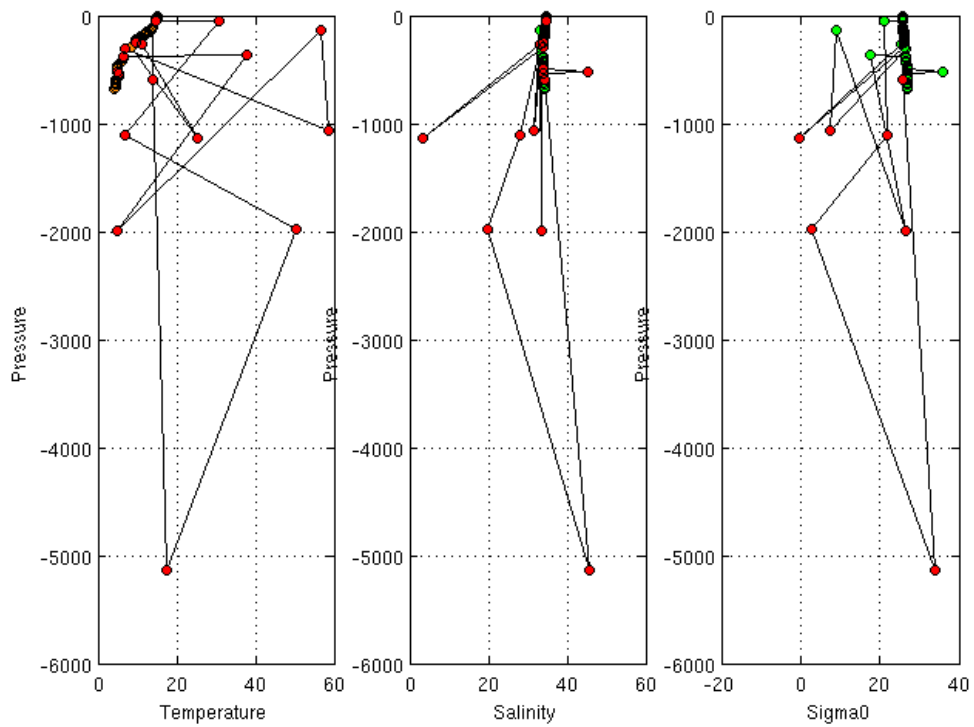
DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
KO,2900784,286,18/04/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32847451>,TEMP,104,104,1,4
KO,2900784,287,26/04/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32922815>,PSAL,130.8,130.8,1,4

Example of anomalies:

Warning Objective Analysis Anomalies 2014 April TEMP PSAL : DAC KO- Float 2900784-286



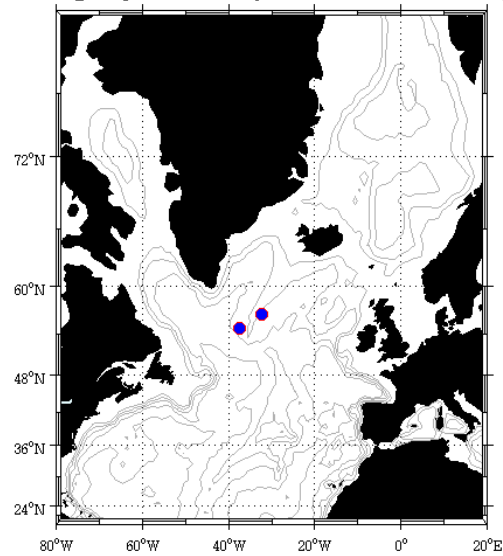
Warning Objective Analysis Anomalies 2014 April TEMP PSAL : DAC KO- Float 2900784-287



9. DAC MEDS

Profiles detected by the objective analysis: 2

Warning Objective Analysis Anomalies 2014 April

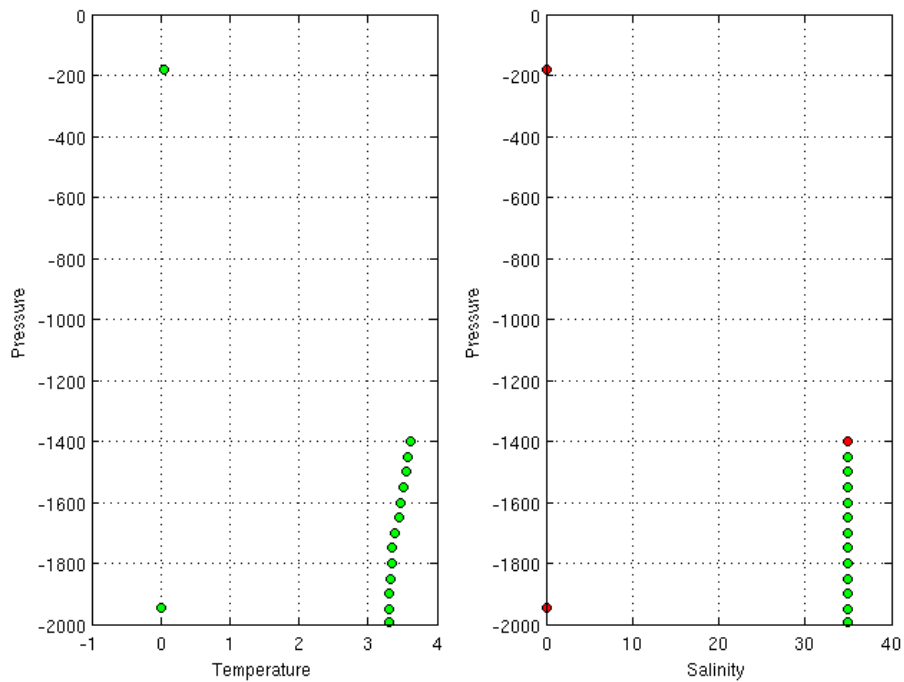


Status of corrections: NOT DONE, NO FEEDBACK

Float : 4901126 - Cycle : 177 - PI : Howard Freeland - Data mode : R - INST REF : - Date : 2014 3 20

Float : 4901162 - Cycle : 107 - PI : Denis Gilbert - Data mode : R - INST REF : - Date : 2014 4 10

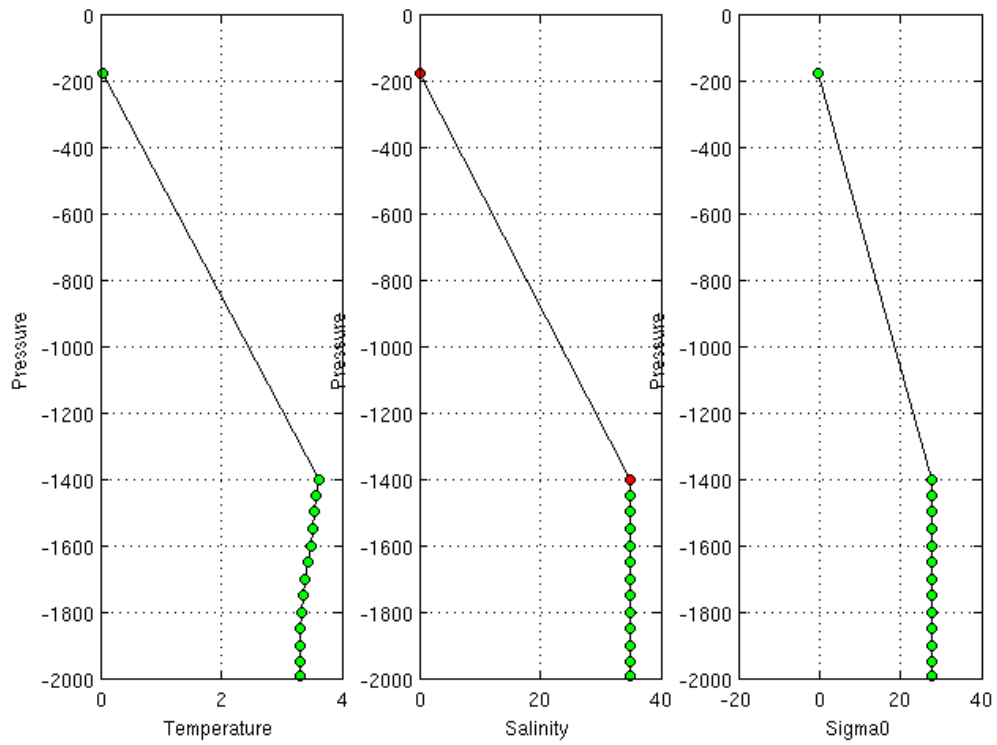
Warning Objective Analysis Anomalies 2014 April TEMP PSAL - DAC ME



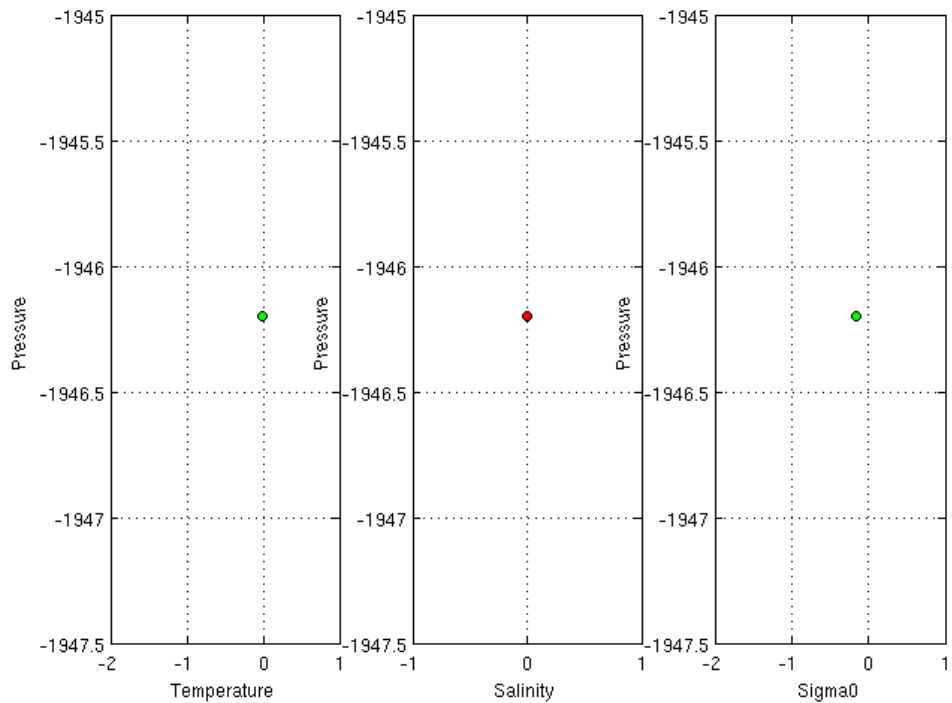
DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
ME,4901126,177,24/03/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32691494> ,TEMP,179.3,179.3,1,4
ME,4901162,107,11/04/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32808951> ,TEMP,1946.2,1946.2,1,4
ME,4901126,177,24/03/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32691494> ,TEMP,179.3,179.3,1,4

Example of anomalies:

Warning Objective Analysis Anomalies 2014 April TEMP PSAL : DAC ME- Float 4901126-177



Warning Objective Analysis Anomalies 2014 April TEMP PSAL : DAC ME- Float 4901162-107



10. DAC NMDIS

Profiles detected by the objective analysis: 0

Status of corrections:

Example of anomalies:

11. File anomalies

11.1. AOML

1900245 : tech.nc and traj.nc are missing.

11.2. KORDI

2900204 : Some positions are with values -999 instead of the FillValue "99999".

12. Delayed Mode anomalies

Please also, have a look on the lists provided by John Gilson

12.1. BODC – problem n°1

ADJUSTED pressure exists but not the others parameters (still in progress)

Ifremer. : The old files (before 2013) are not updated.

Justin B. : 09/18/2013 That will happen either when we resubmit data when we do new formats work or when the floats are processed in delayed mode (both are on-going).

R1900677_215, R1900677_224, R1900679_207, R1900679_206, R6900656_094,...

And all files in real time with adjusted parameters

netcdf R1900677_215 {

```
DATE_CREATION = "20120110210843" ;
DATE_UPDATE = "20120110210843" ;
DATA_MODE = "A" ;
PRES_ADJUSTED = 4.5, 9.2, 14.3, 19.0, 23.9, 29.1, 33.9, 39.2, 48.9, 59.4, 69.3, 79.4, 89.2, 98.8, 108.8, 119.1, 128.7, 138.8, 149.1, 159.0,
169.2, 178.5, 188.6, 198.8, 219.3, 239.3, 259.1, 279.3, 299.2, 328.8, 358.7, 399.0, 449.3, 498.8, 549.1, 598.8, 649.1, 699.3, 749.1,
798.8, 849.1, 899.2, 948.4, 998.8, 1004.1 ;
PSAL_ADJUSTED = _____;
TEMP_ADJUSTED = _____;
}
```

BODC – problem n°2

QC 1 reported on bad PRES_ADJUSTED (negative values) – must be updated to 4

netcdf D6900198_003 {

```
PRES =
  -99.0, -99.0, -99.0, -99.0, 2.0, 25.0, ,
PRES_QC =
```

"444114...."

PRES_ADJUSTED =

,,_ -99.0, 2.0,

PRES_ADJUSTED_QC =

"444114....."

12.2. CSIO

Adjusted value in real time files ok but <param>_adjusted_ERROR still empty for PRES, TEMP and PSAL

netcdf R5901605_246 {

DATE_CREATION = "20130422191738";

DATE_UPDATE = "20140211124428";

DATA_MODE = "A";

PSAL_ADJUSTED =

34.765, 34.761, 34.858, 35.051, 35.070, 35.079, 35.081, 35.078, 35.071, 35.071, 35.062, 35.040, 35.009, 34.983,
34.930, 34.904, 34.885, 34.858, 34.842, 34.823, 34.800, 34.782, 34.768, 34.759, 34.746, 34.735, 34.723, 34.716,
34.700, 34.683, 34.654, 34.628, 34.603, 34.577, 34.559, 34.539, 34.501, 34.433, 34.369, 34.313, 34.268, 34.216,
34.187, 34.164, 34.144, 34.139, 34.146, 34.162, 34.205, 34.242, 34.315, 34.356, 34.408, 34.428, 34.464, 34.480,
34.492, 34.504, 34.524, 34.543, 34.555, 34.566, 34.574, 34.587, 34.599, 34.616, 34.633, 34.644, 34.653, 34.660;

PSAL_ADJUSTED_ERROR =

_____;

PRES_ADJUSTED_ERROR =

TEMP_ADJUSTED_ERROR =

12.3. INCOIS

adjusted parameters with DATA_MODE = 'A' and <PARAM>_ADJUSTED_ERROR empty

netcdf R4900670_051 {

DATE_CREATION = "20070208230218";

DATE_UPDATE = "20091029162137";

DATA_MODE = "A";

PRES_ADJUSTED_ERROR =

_____;

TEMP_ADJUSTED_ERROR =

_____;

PSAL_ADJUSTED_ERROR =

_____;

PSAL_ADJUSTED =

34.354, 34.353, 34.360, 34.360, 34.359, 34.356, 34.121, 34.144, 34.333, 34.411, 34.700, 34.644,

}

12.4. KMA

ADJUSTED pressure exists but not the others parameters

R2900171_067, R2900171_048, R7900236_064, R7900249_052,... and all adjusted real time files

```
netcdf R2900171_067 {  
  
DATE_CREATION = "20030610085419" ;  
DATE_UPDATE = "20100810073304" ;  
DATA_MODE = "R" ;  
PRES_ADJUSTED = 6.5, 16.4, 26.5, 36.5, 46.0, 56.3, 66.0, 76.0, 86.3, 96.4, 106.6, 116.2, 126.2, 136.1, 146.6, 156.4, 166.1, 176.3, 186.4,  
196.2, 206.0, 215.9, 226.2, 236.0, 246.0, 256.5, 266.4, 275.9, 286.2, 296.2, 306.4, 316.2, 326.2, 336.3, 345.9, 356.1, 375.8, 395.8,  
446.1, 496.0, 546.4, 596.2, 646.3, 695.6, 745.7 ;  
TEMP_ADJUSTED = _____ ;  
PSAL_ADJUSTED = _____ ;  
}  
No Error on PRES_ADJUSTED  
  
PRES_ADJUSTED_ERROR =  
_____  
  
No information about calibration done on PRES  
  
SCIENTIFIC_CALIB_EQUATION =  
  
" ,
```

12.5. NMDIS

DM files - data_state_indicator="2C" but data_mode="R" and R*.nc

For floats : 2901615 – 2901631 - 2901632

2901632 : all cycles with data_state_indicator="2C" – DM files but still R***.nc and data_mode='R'

```
netcdf R2901632_056 {  
DATA_STATE_INDICATOR = "2C " ;  
DATA_MODE = "R" ;  
PRES_ADJUSTED =  
    0.0, 5.0, 16.0, 26.0, 36.0, 46.0, 56.0,  
PSAL_ADJUSTED =  
    34.687, 34.694, 34.684, 34.670, 34.664, 34.657, 34.658,  
TEMP_ADJUSTED =  
    18.364, 18.379, 18.277, 18.115, 18.069, 18.007, 17.965,  
SCIENTIFIC_CALIB_COMMENT =  
    "Calibration error is manufacturers specified PRES accuracy at time of lab calibration",  
    "Calibration error is manufacturers specified TEMP accuracy at time of lab calibration",  
    "No salinity adjustment needed according to OW1.1. Ref. Data are CTD_for_DMQC_2013V01+ARGO_for_DMQC_2013V01";
```

Changes to do :

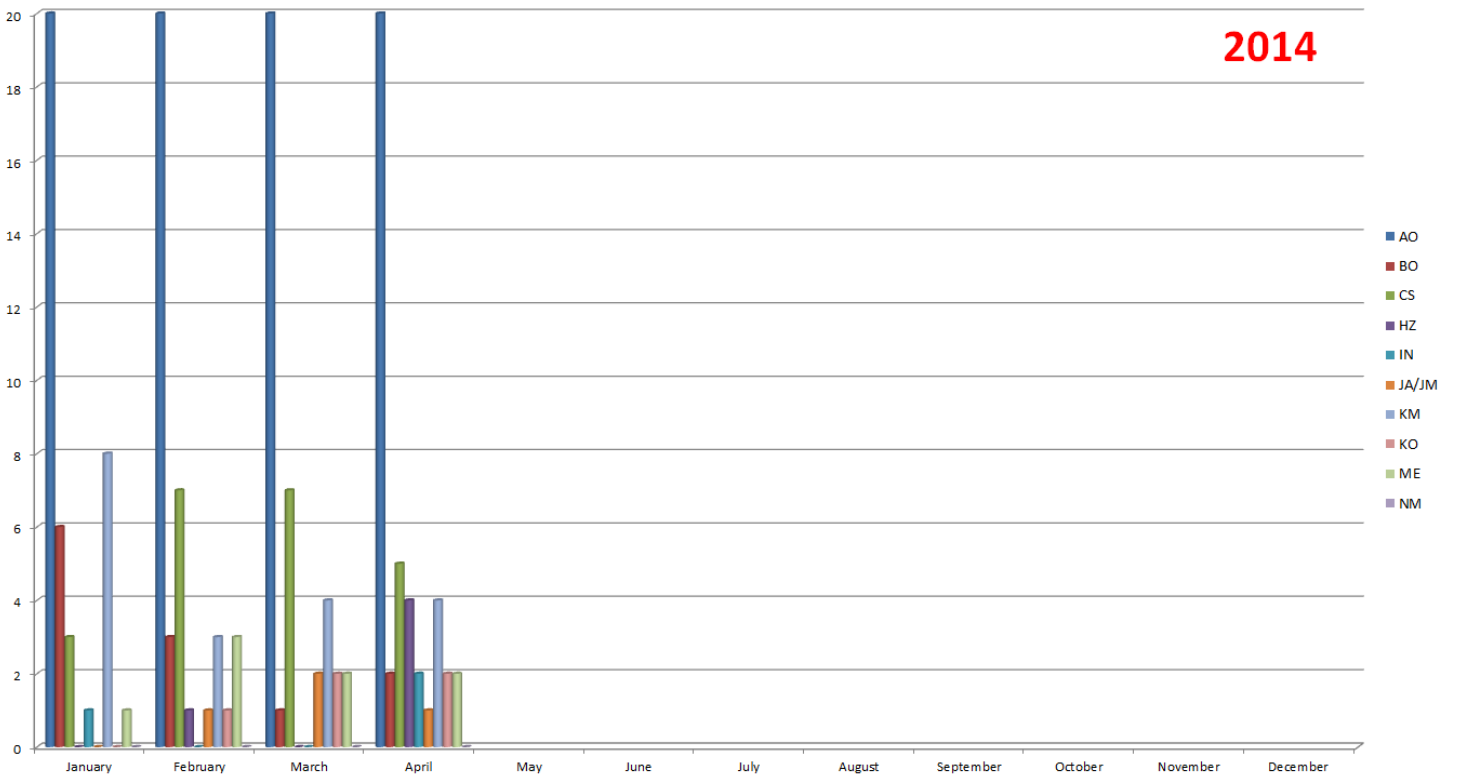
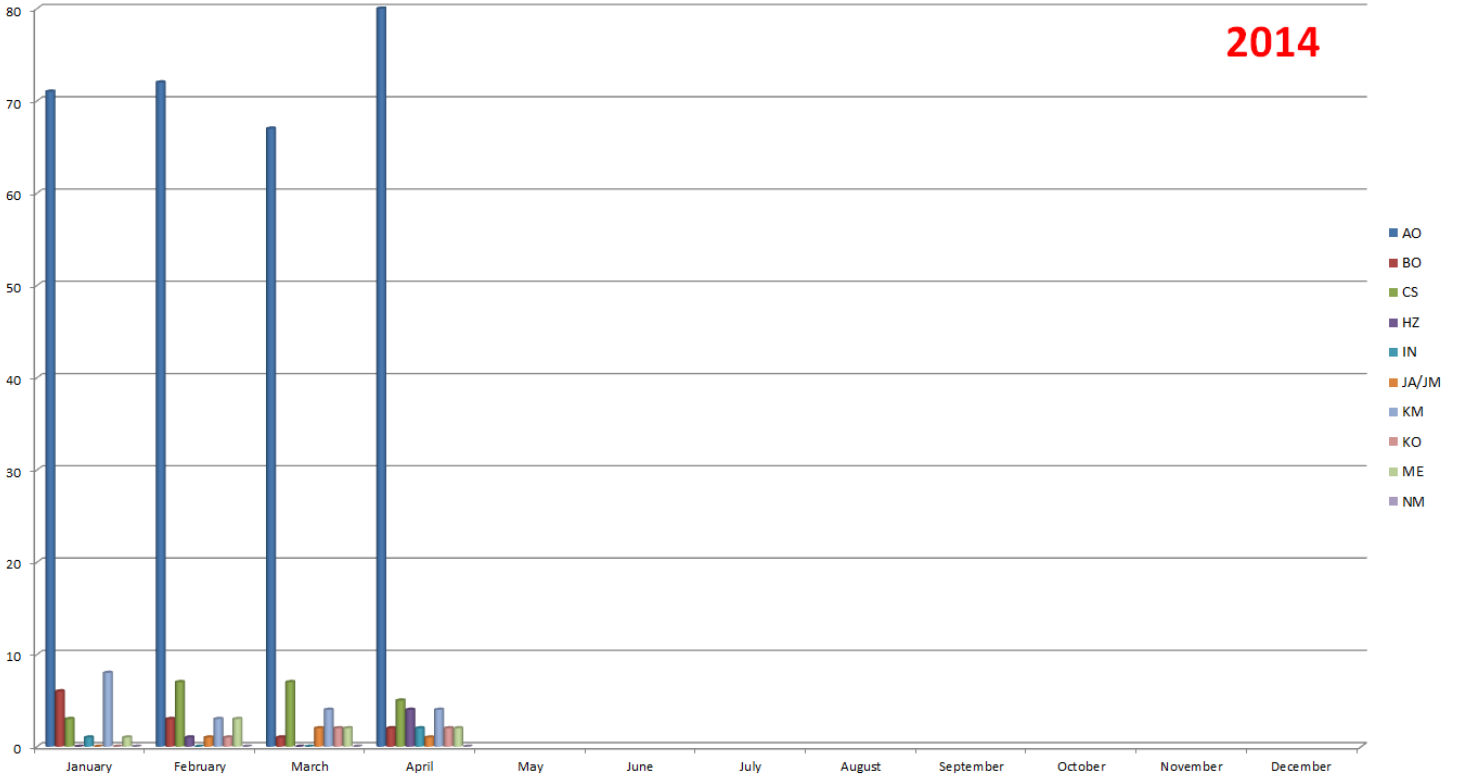
DATA_MODE = "R" => DATA_MODE = "D" ;

Name of the files R2901632_<cycle_number>.nc => D2901632_<cycle_number>.nc

13. Statistics

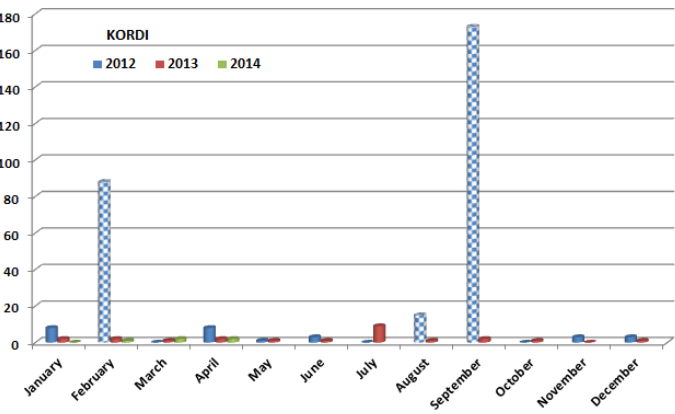
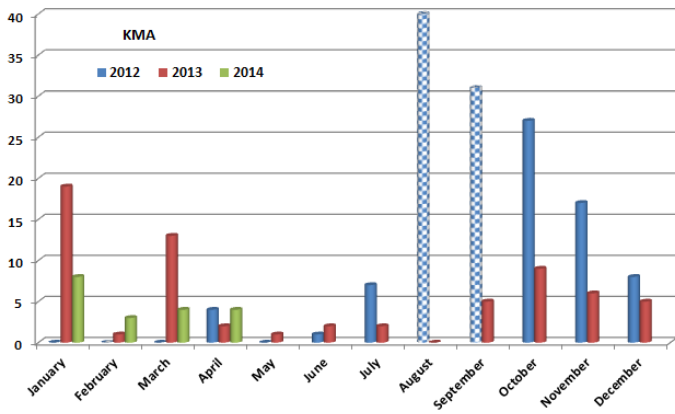
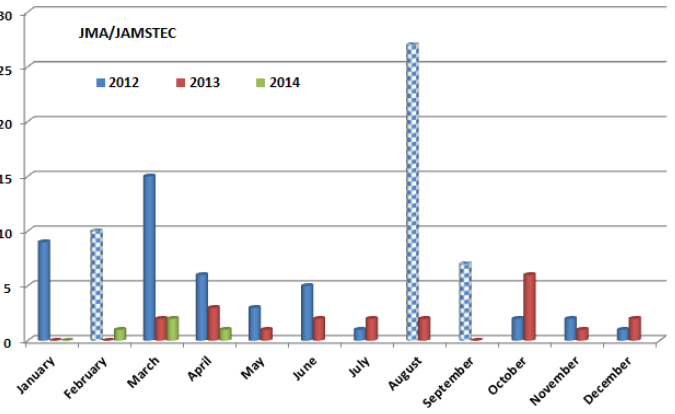
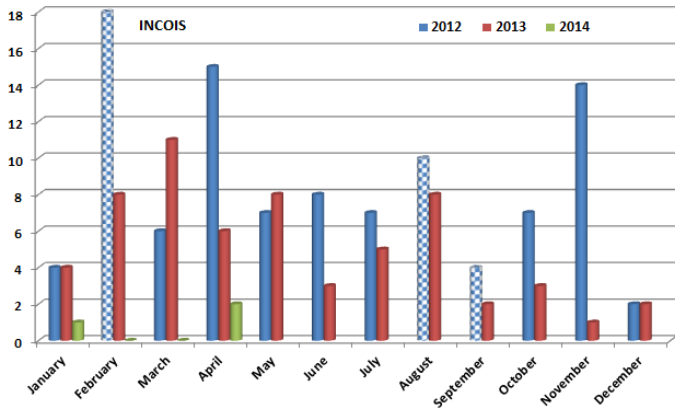
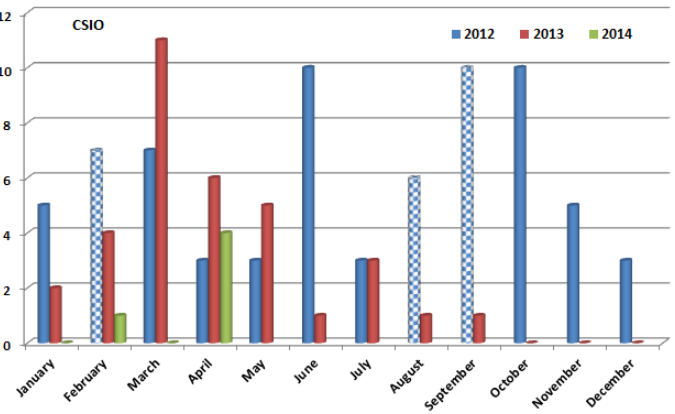
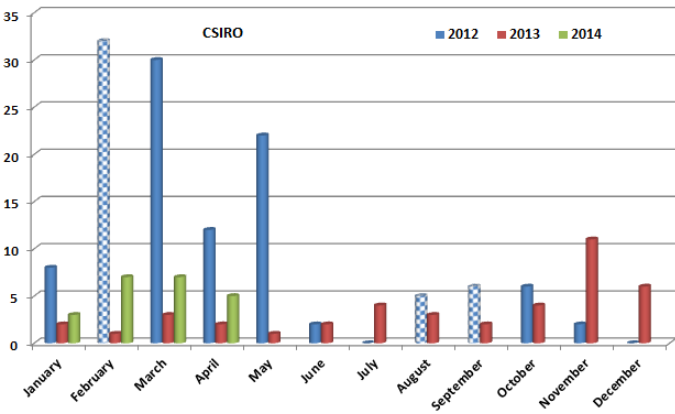
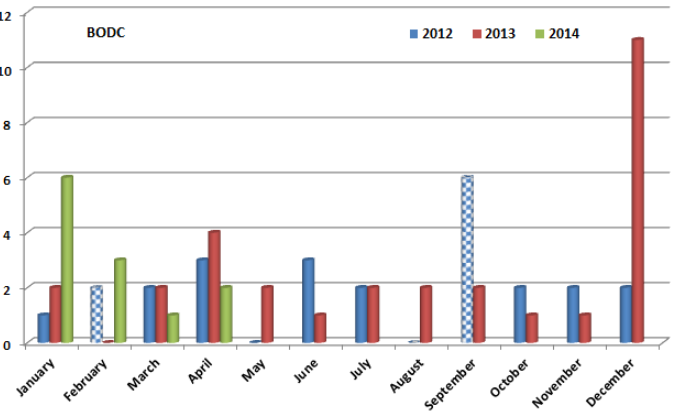
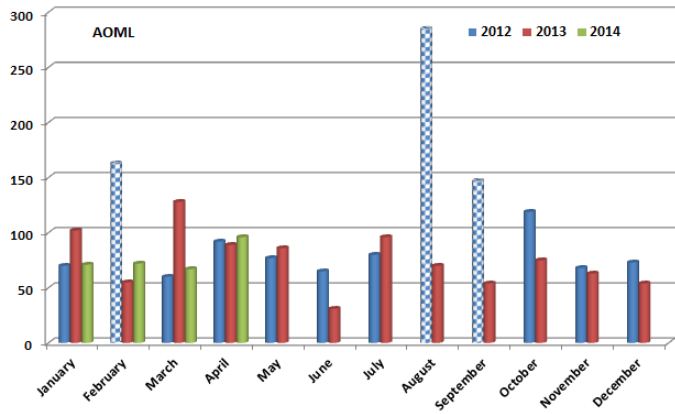
Plots showing evolution of number of anomalies by DAC.

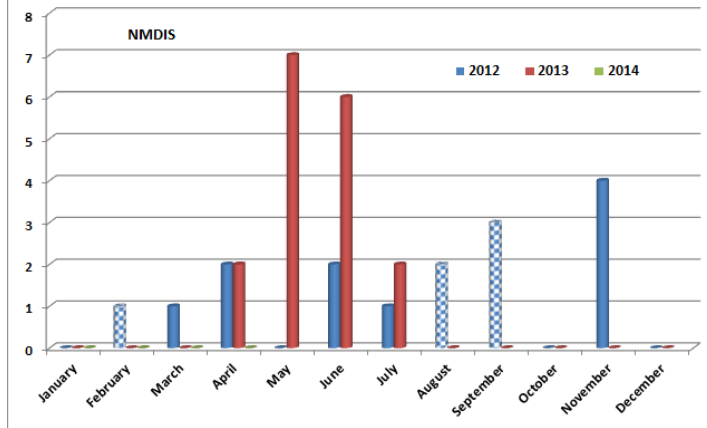
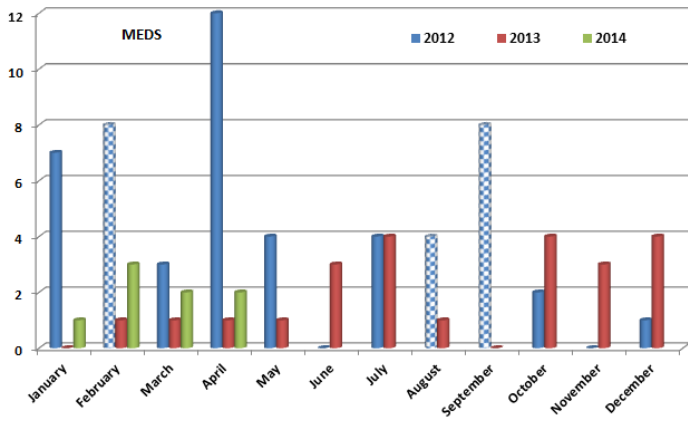
13.1. Year



Year 2014 with a zoom on range 0-20 for number of anomalies:

13.2. DAC





13.3. Anomalies by year, by month

