



# Anomalies on Argo profiles

From warning objective analysis, netcdf file analysis

January 2014

Christine Coatanoan-Girou

Coriolis

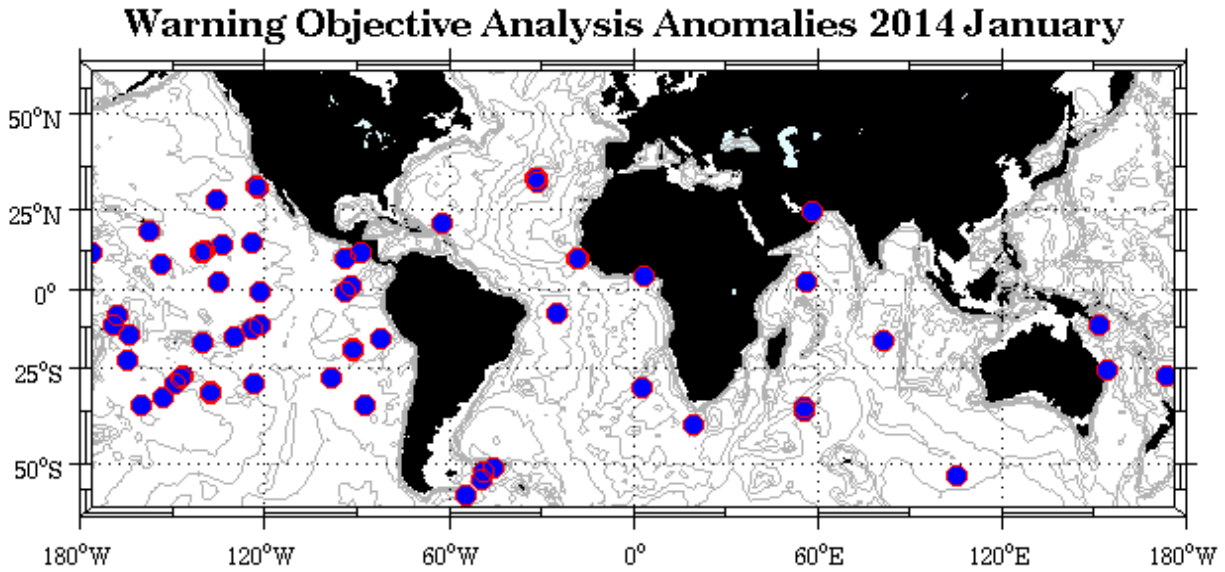
# Anomalies by DAC

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# 1. DAC AOML

Profiles detected by the objective analysis: 71

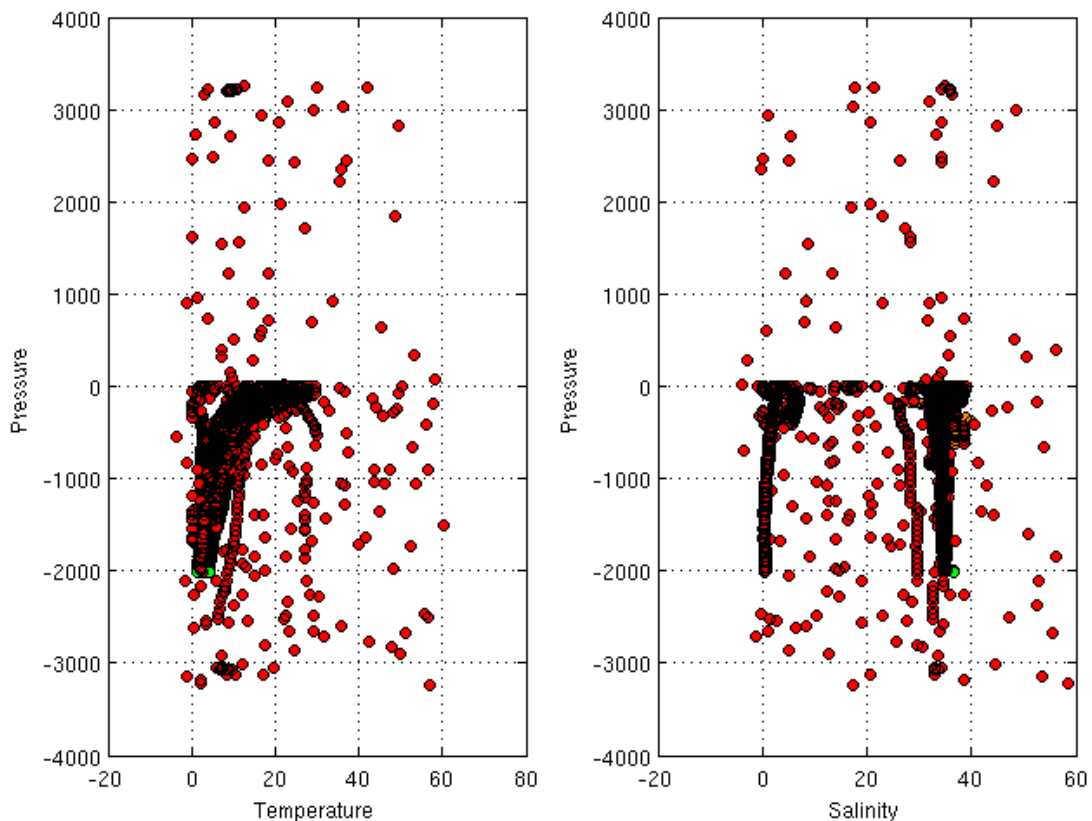


## Status of corrections: Done except for few profiles –

Float : 1900729 - Cycle : 224 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_3112 - Date : 2014 1 5  
Float : 1900729 - Cycle : 226 - PI : STEPHEN RISER - Data mode : R - INST REF : APEX\_SBE\_3112 - Date : 2014 1 26  
Float : 1900966 - Cycle : 177 - PI : DEAN ROEMMICH - Data mode : R - INST REF : SOLO\_SBE\_2848 - Date : 2014 1 3  
Float : 1901045 - Cycle : 163 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_3229 - Date : 2013 12 27  
Float : 1901045 - Cycle : 164 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_3229 - Date : 2014 1 6  
Float : 1901045 - Cycle : 165 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_3229 - Date : 2014 1 16  
Float : 1901451 - Cycle : 136 - PI : BRECK OWENS - Data mode : R - INST REF : SOLO\_SBE\_SL863 - Date : 2014 1 1  
Float : 1901540 - Cycle : 88 - PI : Breck Owens - Data mode : R - INST REF : SOLOIR\_SBE\_1064 - Date : 2014 1 2  
Float : 1901540 - Cycle : 90 - PI : Breck Owens - Data mode : R - INST REF : SOLOIR\_SBE\_1064 - Date : 2014 1 22  
Float : 1901567 - Cycle : 73 - PI : BRECK OWENS - Data mode : R - INST REF : SOLO\_SBE\_1097 - Date : 2014 1 12  
Float : 1901612 - Cycle : 73 - PI : DEAN ROEMMICH - Data mode : R - INST REF : SOLO2IR\_SBE\_8070 - Date : 2014 1 19  
Float : 2901418 - Cycle : 134 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : APEX\_SBE\_5910 - Date : 2014 1 3  
Float : 3900674 - Cycle : 89 - PI : Gregory C. Johnson - Data mode : A - INST REF : APEXIR\_SBE\_5414 - Date : 2013 12 30  
Float : 3900715 - Cycle : 266 - PI : Robert A. Weller - Data mode : R - INST REF : SOLOIR\_SBE\_0856 - Date : 2013 12 29  
Float : 3900715 - Cycle : 267 - PI : Robert A. Weller - Data mode : R - INST REF : SOLOIR\_SBE\_0856 - Date : 2014 1 8  
Float : 3900715 - Cycle : 268 - PI : Robert A. Weller - Data mode : R - INST REF : SOLOIR\_SBE\_0856 - Date : 2014 1 18  
Float : 3901043 - Cycle : 0 - PI : Breck Owens, Steve Jayne, and P.E. Robbi - Data mode : R - INST REF : SOLO2IR\_SBE\_7191 - Date : 2013 12 27  
Float : 4900323 - Cycle : 277 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_1992 - Date : 2014 1 24  
Float : 4900853 - Cycle : 189 - PI : GREGORY C. JOHNSON - Data mode : R - INST REF : APEX\_SBE\_3966 - Date : 2014 1 3  
Float : 4900853 - Cycle : 190 - PI : GREGORY C. JOHNSON - Data mode : R - INST REF : APEX\_SBE\_3966 - Date : 2014 1 14  
Float : 4901016 - Cycle : 183 - PI : BRECK OWENS - Data mode : R - INST REF : SOLO\_SBE\_SL883 - Date : 2014 1 1  
Float : 4901016 - Cycle : 184 - PI : BRECK OWENS - Data mode : R - INST REF : SOLO\_SBE\_SL883 - Date : 2014 1 11  
Float : 4901286 - Cycle : 95 - PI : BRECK OWENS - Data mode : R - INST REF : SOLO\_SBE\_1043 - Date : 2013 12 27  
Float : 4901586 - Cycle : 12 - PI : Breck Owens, Steve Jayne, and P.E. Robbi - Data mode : R - INST REF : SOLO2IR\_SBE\_7174 - Date : 2013 12 13  
Float : 4901586 - Cycle : 14 - PI : Breck Owens, Steve Jayne, and P.E. Robbi - Data mode : R - INST REF : SOLO2IR\_SBE\_7174 - Date : 2014 1 2  
Float : 4901586 - Cycle : 15 - PI : Breck Owens, Steve Jayne, and P.E. Robbi - Data mode : R - INST REF : SOLO2IR\_SBE\_7174 - Date : 2014 1 12  
Float : 4901586 - Cycle : 16 - PI : Breck Owens, Steve Jayne, and P.E. Robbi - Data mode : R - INST REF : SOLO2IR\_SBE\_7174 - Date : 2014 1 22  
Float : 5900414 - Cycle : 245 - PI : STEPHEN RISER - Data mode : D - INST REF : APEX\_SBE\_1387 - Date : 2014 1 15  
Float : 5900425 - Cycle : 345 - PI : STEPHEN RISER - Data mode : D - INST REF : APEX\_SBE\_1030 - Date : 2013 12 28  
Float : 5900696 - Cycle : 315 - PI : STEPHEN RISER - Data mode : R - INST REF : APEX\_SBE\_1708 - Date : 2013 12 18  
Float : 5900696 - Cycle : 316 - PI : STEPHEN RISER - Data mode : R - INST REF : APEX\_SBE\_1708 - Date : 2013 12 28  
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Float : 5900696 - Cycle : 318 - PI : STEPHEN RISER - Data mode : R - INST REF : APEX\_SBE\_1708 - Date : 2014 1 18  
Float : 5900886 - Cycle : 305 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : APEX\_SBE\_1880 - Date : 2014 1 2  
Float : 5900886 - Cycle : 306 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : APEX\_SBE\_1880 - Date : 2014 1 13  
Float : 5900886 - Cycle : 307 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : APEX\_SBE\_1880 - Date : 2014 1 23  
Float : 5901278 - Cycle : 271 - PI : DEAN ROEMMICH - Data mode : R - INST REF : SOLO\_SBE\_2628 - Date : 2013 12 28

Float : 5901278 - Cycle : 272 - PI : DEAN ROEMMICH - Data mode : R - INST REF : SOLO\_SBE\_2628 - Date : 2014 1 7  
 Float : 5901278 - Cycle : 273 - PI : DEAN ROEMMICH - Data mode : R - INST REF : SOLO\_SBE\_2628 - Date : 2014 1 17  
 Float : 5901884 - Cycle : 185 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_3733 - Date : 2014 1 15  
 Float : 5901895 - Cycle : 191 - PI : STEPHEN RISER - Data mode : D - INST REF : APEX\_SBE\_3939 - Date : 2014 1 22  
 Float : 5901897 - Cycle : 190 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_3941 - Date : 2014 1 13  
 Float : 5901897 - Cycle : 191 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_3941 - Date : 2014 1 23  
 Float : 5902216 - Cycle : 178 - PI : GREGORY C. JOHNSON - Data mode : R - INST REF : APEX\_SBE\_4017 - Date : 2014 1 4  
 Float : 5903424 - Cycle : 82 - PI : STEPHEN RISER - Data mode : R - INST REF : APEX\_SBE\_4932 - Date : 2014 1 20  
 Float : 5903431 - Cycle : 83 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_5226 - Date : 2014 1 10  
 Float : 5903436 - Cycle : 83 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_4936 - Date : 2014 1 7  
 Float : 5903441 - Cycle : 82 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_5333 - Date : 2013 12 22  
 Float : 5903441 - Cycle : 83 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_5333 - Date : 2014 1 1  
 Float : 5903560 - Cycle : 101 - PI : Gregory C. Johnson - Data mode : A - INST REF : APEXIR\_SBE\_5422 - Date : 2014 1 16  
 Float : 5903565 - Cycle : 93 - PI : Gregory C. Johnson - Data mode : A - INST REF : APEXIR\_SBE\_5419 - Date : 2014 1 15  
 Float : 5903583 - Cycle : 86 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_5568 - Date : 2014 1 9  
 Float : 5903606 - Cycle : 80 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_5737 - Date : 2014 1 10  
 Float : 5903865 - Cycle : 71 - PI : Gregory C. Johnson - Data mode : A - INST REF : APEXIR\_SBE\_5328 - Date : 2014 1 22  
 Float : 5903872 - Cycle : 67 - PI : Gregory C. Johnson - Data mode : A - INST REF : APEXIR\_SBE\_5841 - Date : 2013 12 28  
 Float : 5903974 - Cycle : 39 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_5849 - Date : 2013 12 25  
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 Float : 5903975 - Cycle : 42 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_5851 - Date : 2014 1 13  
 Float : 5903976 - Cycle : 39 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_5848 - Date : 2013 12 28  
 Float : 5903980 - Cycle : 40 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_5852 - Date : 2014 1 1  
 Float : 5903980 - Cycle : 41 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_5852 - Date : 2014 1 12  
 Float : 5903982 - Cycle : 40 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_6220 - Date : 2014 1 5  
 Float : 5903984 - Cycle : 42 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_6222 - Date : 2014 1 19  
 Float : 5903987 - Cycle : 41 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_6225 - Date : 2014 1 20  
 Float : 5904109 - Cycle : 14 - PI : STEPHEN RISER - Data mode : R - INST REF : APEX\_SBE\_6384 - Date : 2013 12 28  
 Float : 5904130 - Cycle : 17 - PI : STEPHEN RISER - Data mode : R - INST REF : APEX\_SBE\_6428 - Date : 2014 1 9  
 Float : 5904133 - Cycle : 15 - PI : Stephen Riser - Data mode : A - INST REF : APEXIR\_SBE\_4920 - Date : 2014 1 2  
 Float : 5904145 - Cycle : 8 - PI : Stephen Riser - Data mode : A - INST REF : APEXIR\_SBE\_6395 - Date : 2014 1 22  
 Float : 5904270 - Cycle : 22 - PI : Gregory C. Johnson - Data mode : R - INST REF : NAVISIR\_SBE\_0187 - Date : 2014 1 1  
 Float : 5904325 - Cycle : 25 - PI : CARL SZCZECOWSKI - Data mode : A - INST REF : APEX\_SBE\_6483 - Date : 2014 1 14  
 Float : 5904325 - Cycle : 26 - PI : CARL SZCZECOWSKI - Data mode : A - INST REF : APEX\_SBE\_6483 - Date : 2014 1 18

### Warning Objective Analysis Anomalies 2014 January TEMP PSAL - DAC AO







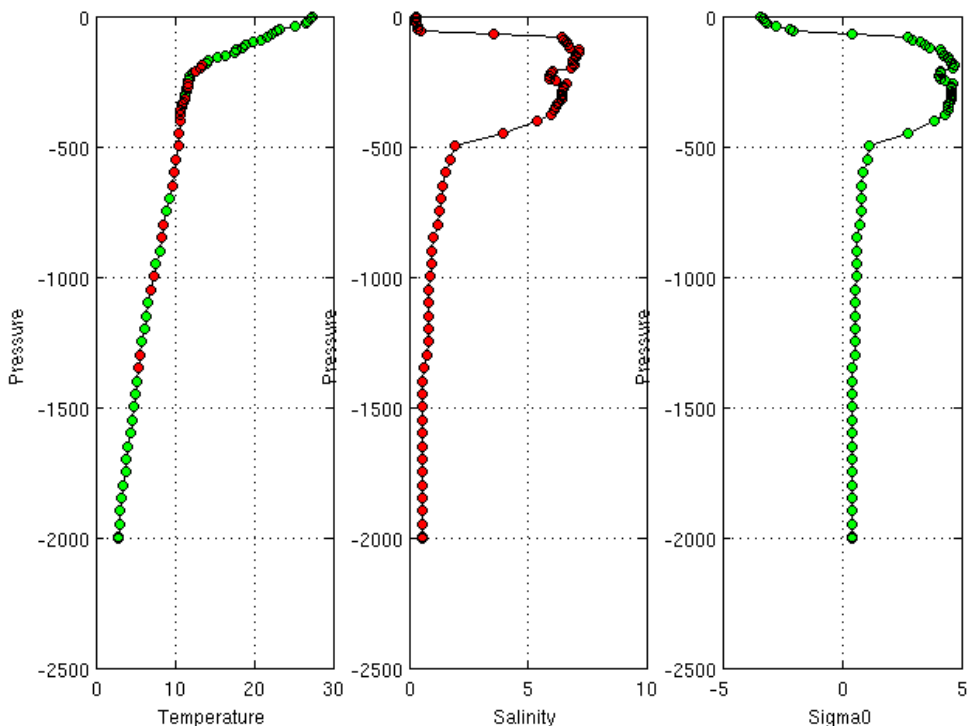


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 AO,5900886,306,13/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32103863 ,PSAL,89.3,280.5,1,4  
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 AO,1900729,226,26/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32218570 ,TEMP,0,0,1,4  
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**APEX to put on the grey list:**

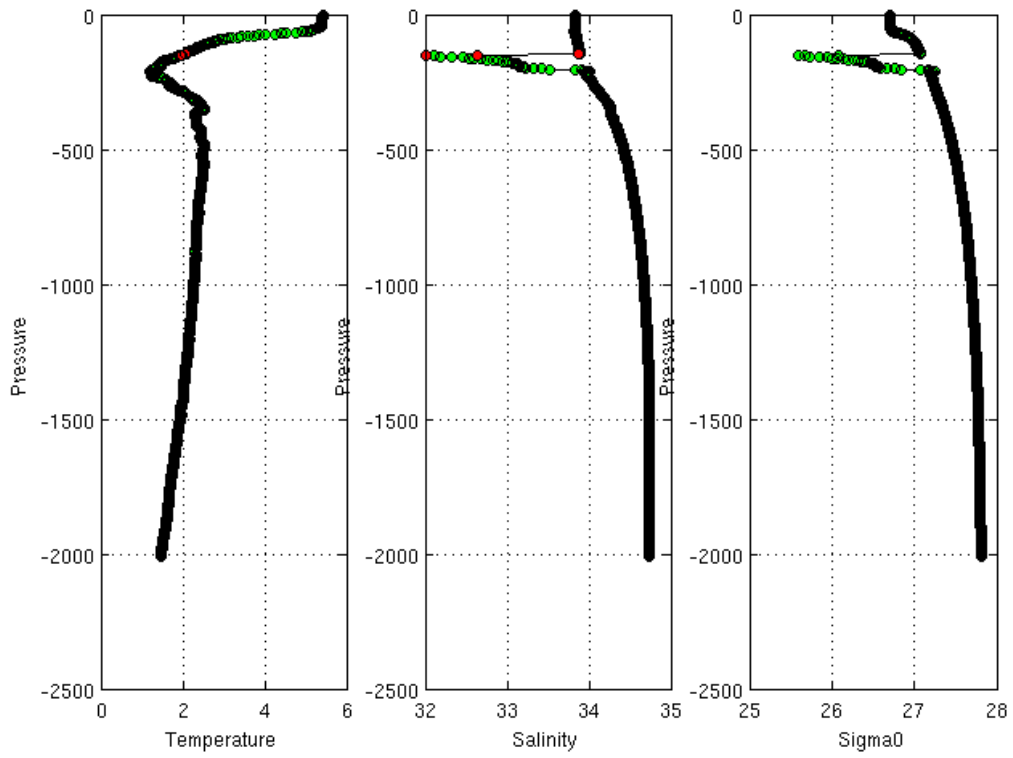
Example of corrections:

Warning Objective Analysis Anomalies 2014 January TEMP PSAL : DAC AO- Float 1901045-163

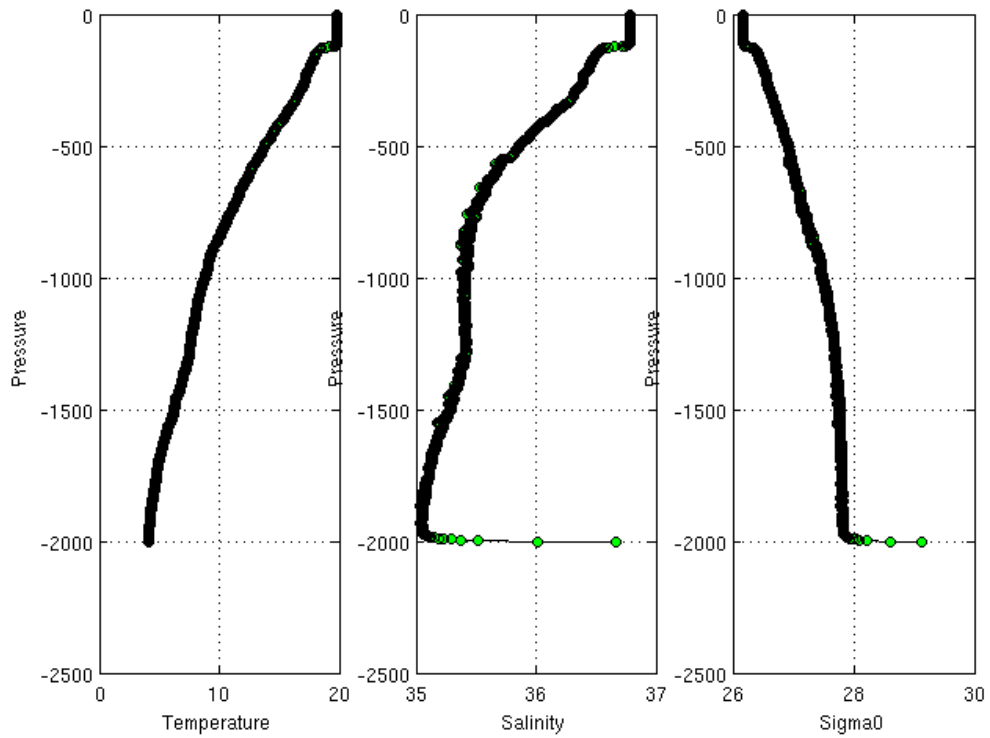




Warning Objective Analysis Anomalies 2014 January TEMP PSAL : DAC AO- Float 1901612-73



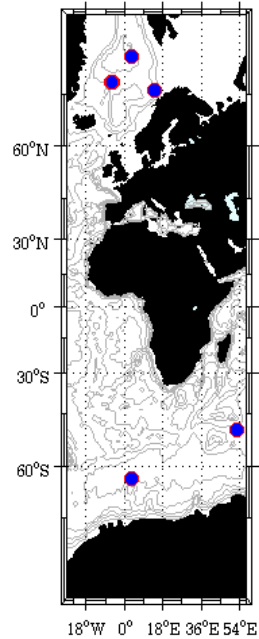
Warning Objective Analysis Anomalies 2014 January TEMP PSAL : DAC AO- Float 4901586-15



## 2. DAC BODC

Profiles detected by the objective analysis: 6

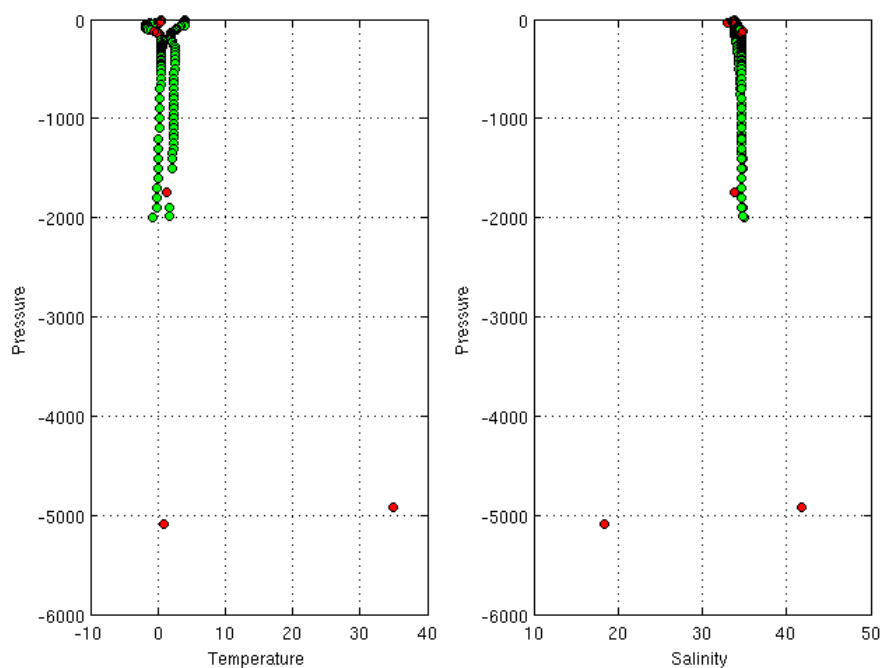
### Warning Objective Analysis Anomalies 2014 January



### Status of corrections: DONE for few profiles

Float : 1900941 - Cycle : 251 - PI : Jon Turton - Data mode : A - INST REF : APEX-SBE 2638 - Date : 2013 12 29  
Float : 1901251 - Cycle : 139 - PI : Jon Turton - Data mode : A - INST REF : APEX-SBE 4502 - Date : 2014 1 24  
Float : 6901129 - Cycle : 55 - PI : Jon Turton - Data mode : A - INST REF : APEX-SBE 6229 - Date : 2013 12 31  
Float : 6901132 - Cycle : 54 - PI : Jon Turton - Data mode : A - INST REF : APEX-SBE 6236 - Date : 2013 12 22  
Float : 6901132 - Cycle : 56 - PI : Jon Turton - Data mode : A - INST REF : APEX-SBE 6236 - Date : 2014 1 11  
Float : 6901141 - Cycle : 52 - PI : Jon Turton - Data mode : A - INST REF : APEX-SBE 6234 - Date : 2014 1 10

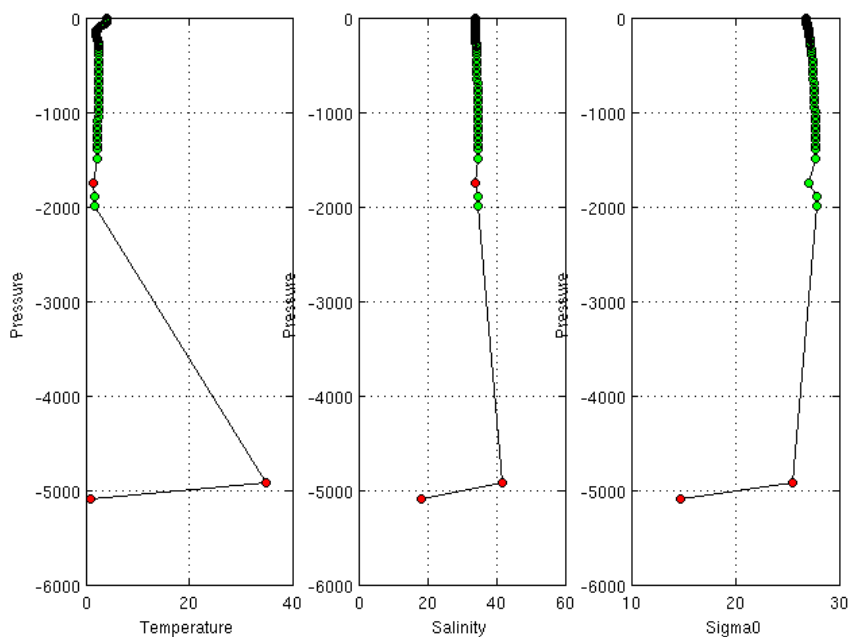
### Warning Objective Analysis Anomalies 2014 January TEMP PSAL - DAC BO



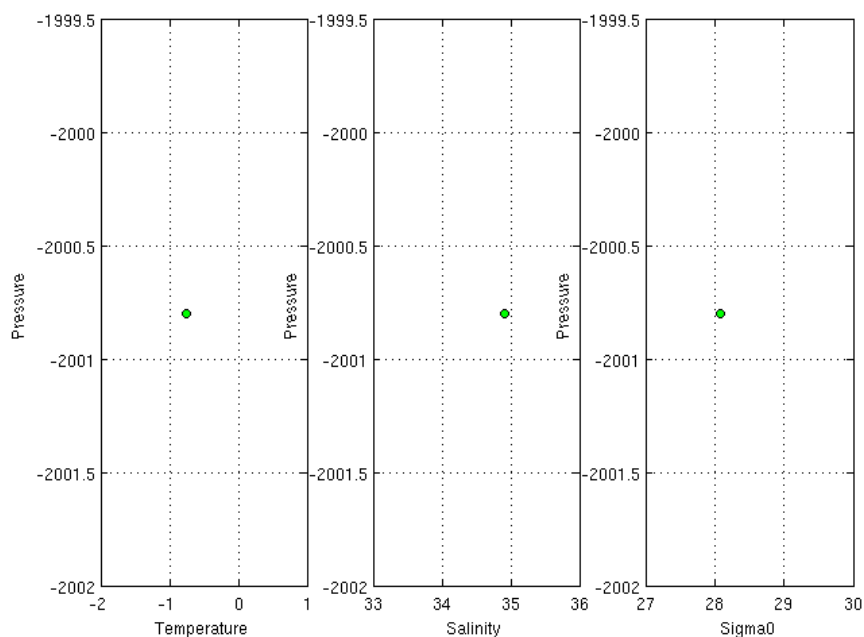
DAC\_CODE,PLATFORM\_CODE,CV\_NUMBER,DATE\_UPDATE,DIRECTION,WEB\_URL,PARAMETER,START\_IMMERSION,STOP\_IMMERSION,OLD\_QC,NEW\_QC  
 BO,6901132,54,22/12/2013 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=31918760 ,PSAL,2001.1,2001.1,1,4  
 BO,6901132,54,22/12/2013 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=31918760 ,TEMP,2001.1,2001.1,1,4  
 BO,1900941,251,30/12/2013 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=31970051 ,TEMP,1748.6,1748.6,1,4  
 BO,6901129,55,01/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32007293 ,PSAL,2000.3,2000.3,1,4  
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 BO,6901132,56,11/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32087997 ,PSAL,2000.8,2000.8,1,4  
 BO,6901132,56,11/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32087997 ,TEMP,2000.8,2000.8,1,4  
 BO,1901251,139,24/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32201550 ,PSAL,34.9,40.4,1,4

Example of corrections:

Warning Objective Analysis Anomalies 2014 January TEMP PSAL : DAC BO- Float 1900941-251



Warning Objective Analysis Anomalies 2014 January TEMP PSAL : DAC BO- Float 6901132-56



### 3. DAC CSIO

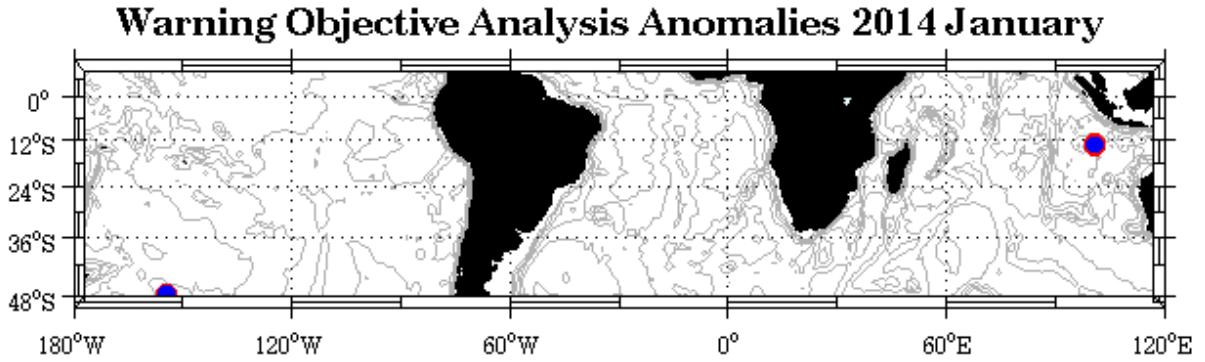
Profiles detected by the objective analysis: 0

**Status of corrections:**

Example of corrections:

## 4. DAC CSIRO

Profiles detected by the objective analysis: 3



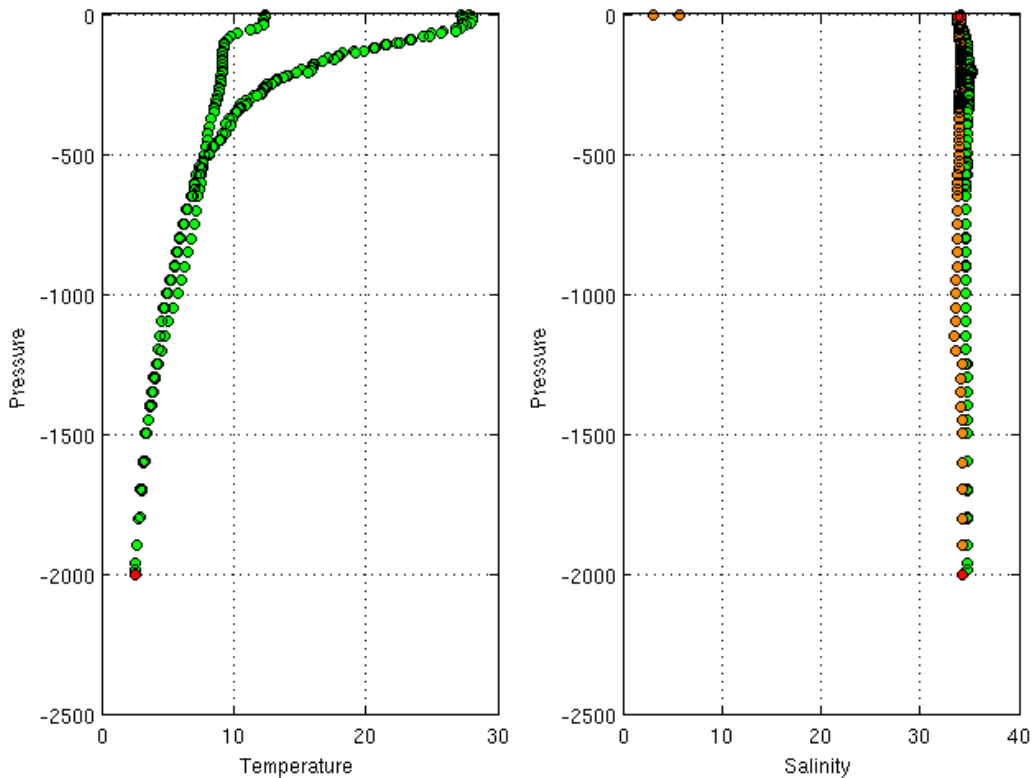
**Status of corrections: DONE with feedback**

Float : 5903648 - Cycle : 112 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2014 1 4

Float : 5903914 - Cycle : 77 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2013 12 31

Float : 5903914 - Cycle : 78 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2014 1 10

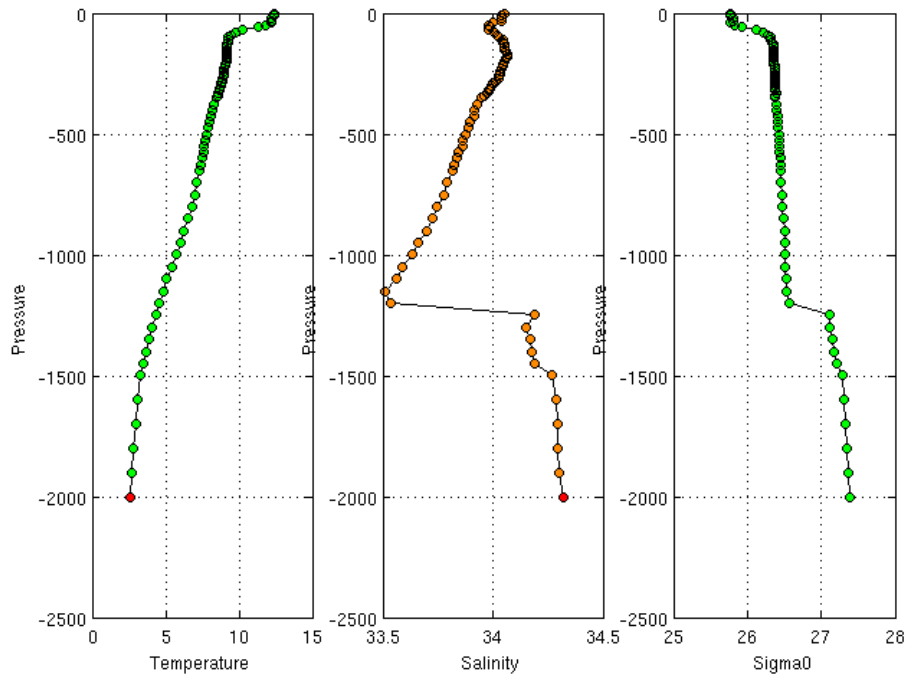
### Warning Objective Analysis Anomalies 2014 January TEMP PSAL - DAC CS



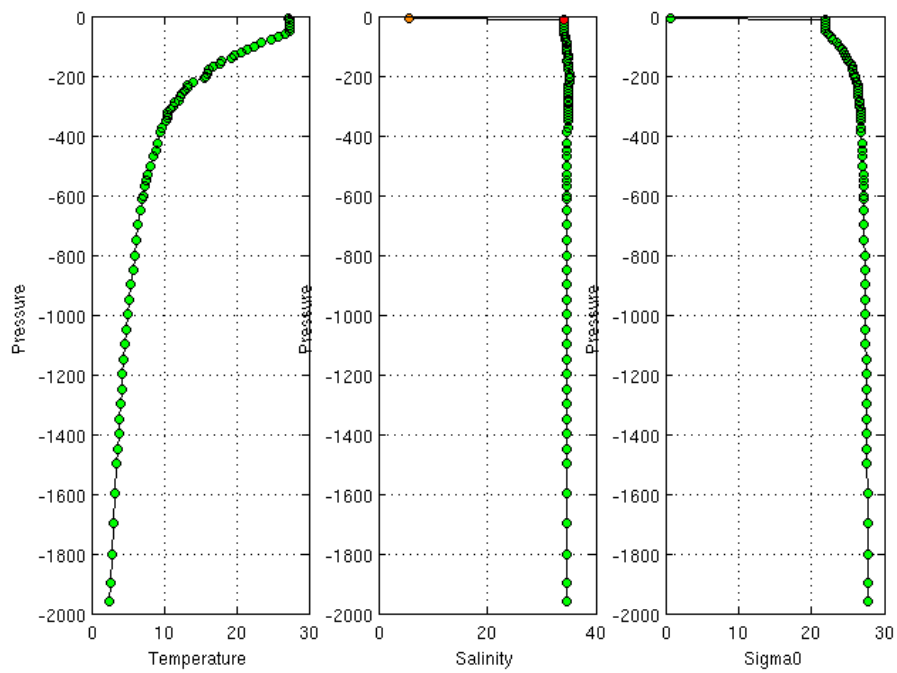
DAC\_CODE,PLATFORM\_CODE,CV\_NUMBER,DATE\_UPDATE,DIRECTION,WEB\_URL,PARAMETER,START\_IMMERSION,STOP\_IMMERSION,OLD\_QC,NEW\_QC  
CS,5903914,77,01/01/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32007315> ,PSAL,5.1,5.1,1,4  
CS,5903648,112,07/01/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32016032> ,PSAL,4.2,1899.5,1,3  
CS,5903914,78,13/01/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32087316> ,PSAL,2.9,2.9,1,4  
CS,1901167,91,06/12/2013 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=31758769> ,PSAL,240.4,299.9,1,3  
CS,1901167,91,06/12/2013 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=31758769> ,PSAL,309.7,309.7,1,4  
CS,5904220,130,18/11/2013 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=31104789> ,PSAL,31.4,34.8,1,4  
CS,5903914,76,24/12/2013 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=31918273> ,PSAL,4.8,4.8,1,4

Example of corrections:

Warning Objective Analysis Anomalies 2014 January TEMP PSAL : DAC CS- Float 5903648-112

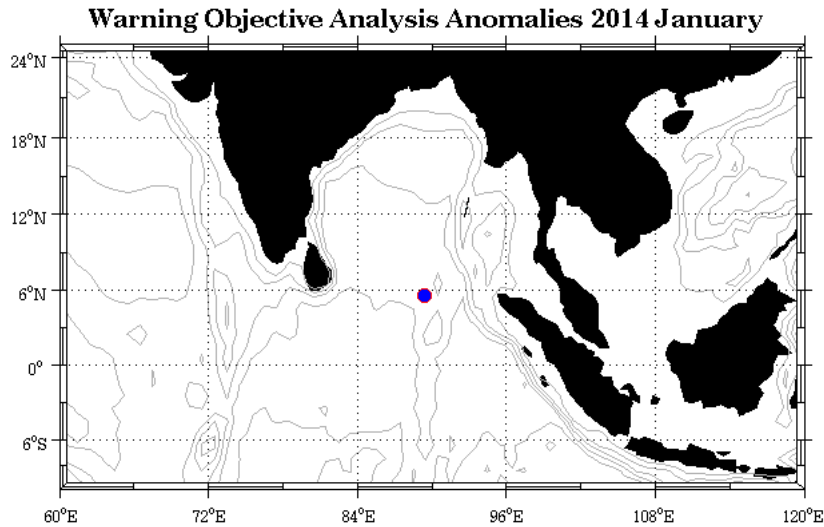


Warning Objective Analysis Anomalies 2014 January TEMP PSAL : DAC CS- Float 5903914-77



## 5. DAC INCOIS

Profiles detected by the objective analysis: 1

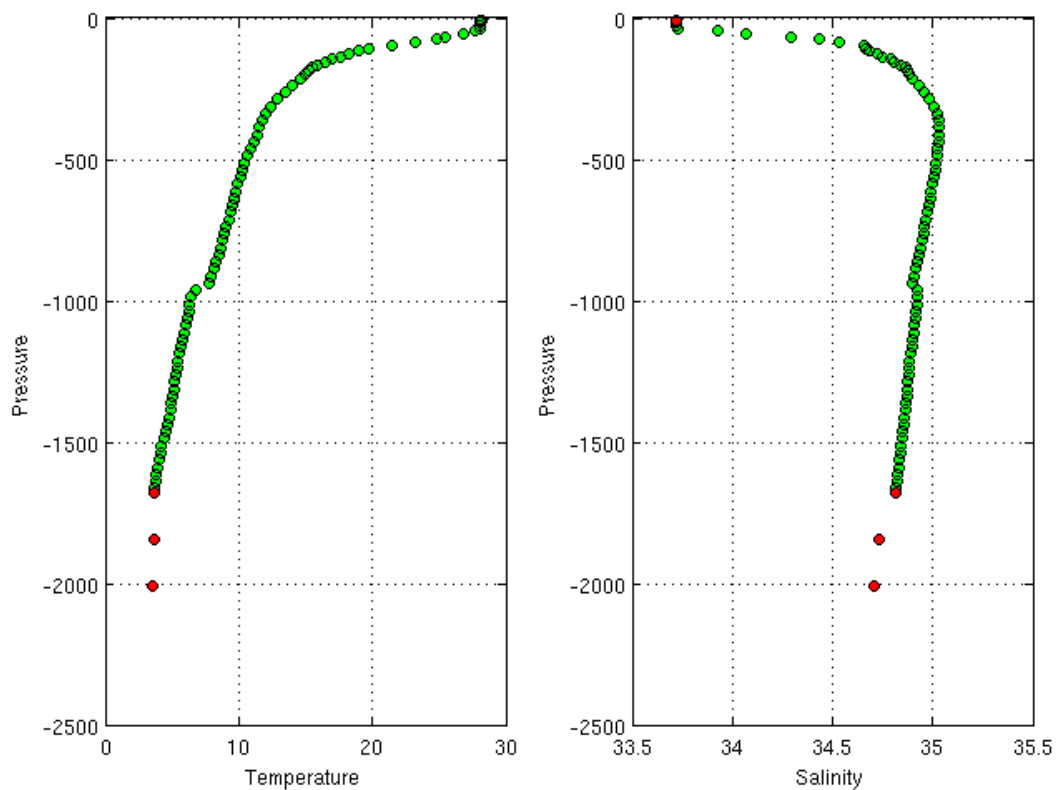


**Status of corrections: Done for PROVOR (Coriolis)**

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

Float : 2902081 - Cycle : 52 - PI : M Ravichandran - Data mode : R - INST REF : PROVOR OIN 12IND-ARL-17- Date : 2014 1 23

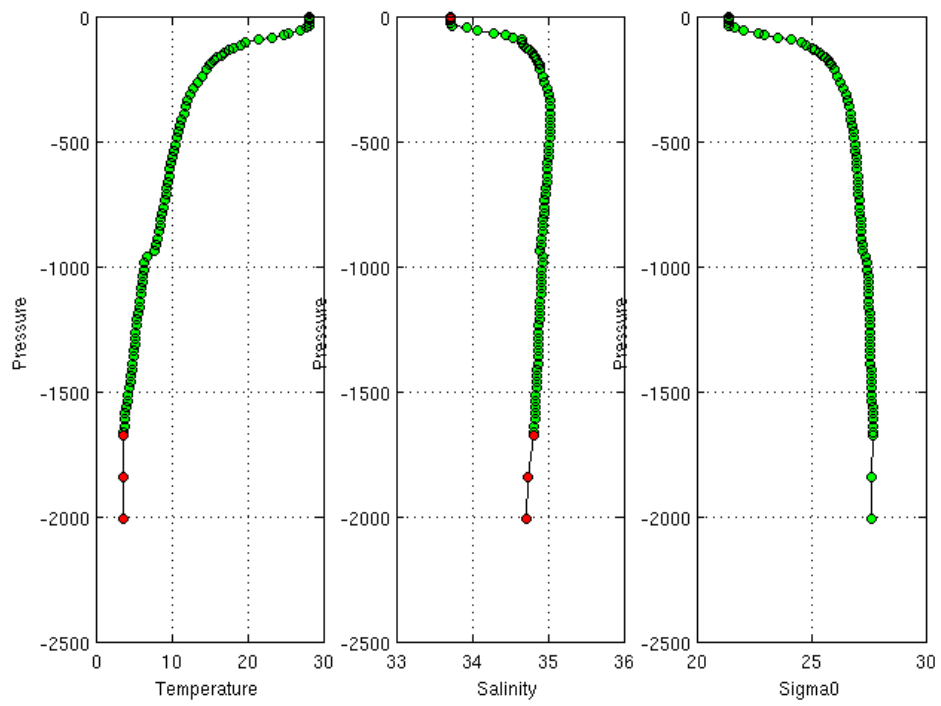
### Warning Objective Analysis Anomalies 2014 January TEMP PSAL - DAC IN



DAC\_CODE,PLATFORM\_CODE,CV\_NUMBER,DATE\_UPDATE,DIRECTION,WEB\_URL,PARAMETER,START\_IMMERSION,STOP\_IMMERSION,OLD\_QC,NEW\_QC  
IN,2902081,52,23/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32188229,PSAL,2011,2011,1,4  
IN,2902081,52,23/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32188229,TEMP,2011,2011,1,4

Example of corrections:

Warning Objective Analysis Anomalies 2014 January TEMP PSAL : DAC IN- Float 2902081-52





## 6. DAC JMA/JAMSTEC

Profiles detected by the objective analysis: 0

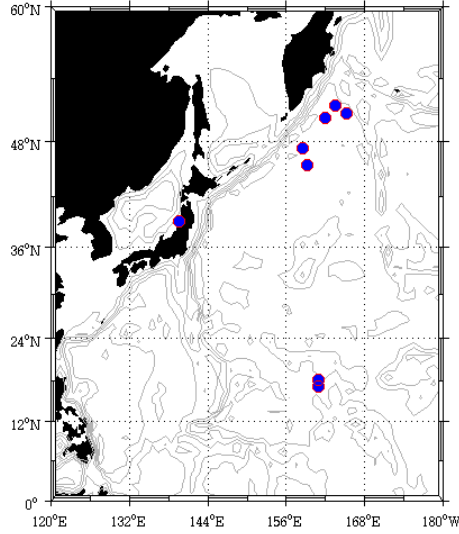
**Status of corrections:**

Example of anomalies:

## 7. DAC KMA

Profiles detected by the objective analysis: 8

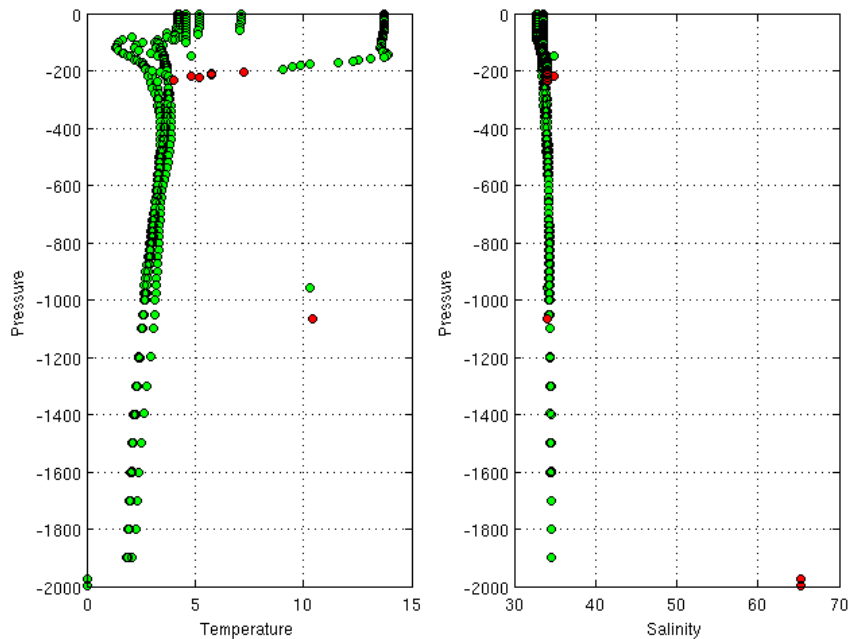
**Warning Objective Analysis Anomalies 2014 January**



**Status of corrections: NOT DONE, NO FEEDBACK**

Float : 2900890 - Cycle : 199 - PI : Jang-Won Seo - Data mode : R - INST REF : APEX Profiling Float - Date : 2013 12 1  
 Float : 2900890 - Cycle : 202 - PI : Jang-Won Seo - Data mode : R - INST REF : APEX Profiling Float - Date : 2013 12 31  
 Float : 2901248 - Cycle : 76 - PI : Sang-Boom Ryoo - Data mode : R - INST REF : ARVOR Profiling Float - Date : 2014 1 1  
 Float : 2901712 - Cycle : 15 - PI : Young-Hwa Kim - Data mode : R - INST REF : APEX Profiling Float - Date : 2013 12 31  
 Float : 2901713 - Cycle : 12 - PI : Young-Hwa Kim - Data mode : R - INST REF : APEX Profiling Float - Date : 2013 12 1  
 Float : 2901714 - Cycle : 15 - PI : Young-Hwa Kim - Data mode : R - INST REF : APEX Profiling Float - Date : 2014 1 1  
 Float : 2901715 - Cycle : 12 - PI : Young-Hwa Kim - Data mode : R - INST REF : APEX Profiling Float - Date : 2013 12 2  
 Float : 2901716 - Cycle : 15 - PI : Young-Hwa Kim - Data mode : R - INST REF : APEX Profiling Float - Date : 2014 1 1

**Warning Objective Analysis Anomalies 2014 January TEMP PSAL - DAC KM**

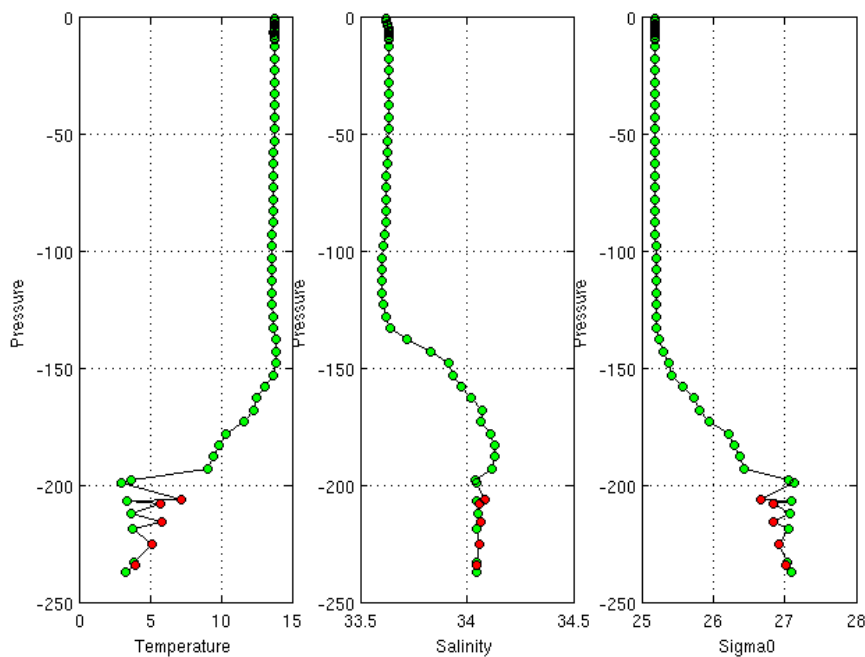


DAC\_CODE,PLATFORM\_CODE,CV\_NUMBER,DATE\_UPDATE,DIRECTION,WEB\_URL,PARAMETER,START\_IMMERSION,STOP\_IMMERSION,OLD\_QC,NEW\_QC  
 KM,2900890,199,02/12/2013 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=31741754> ,PSAL,958.6,958.6,1,4  
 KM,2900890,199,02/12/2013 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=31741754> ,TEMP,958.6,958.6,1,4

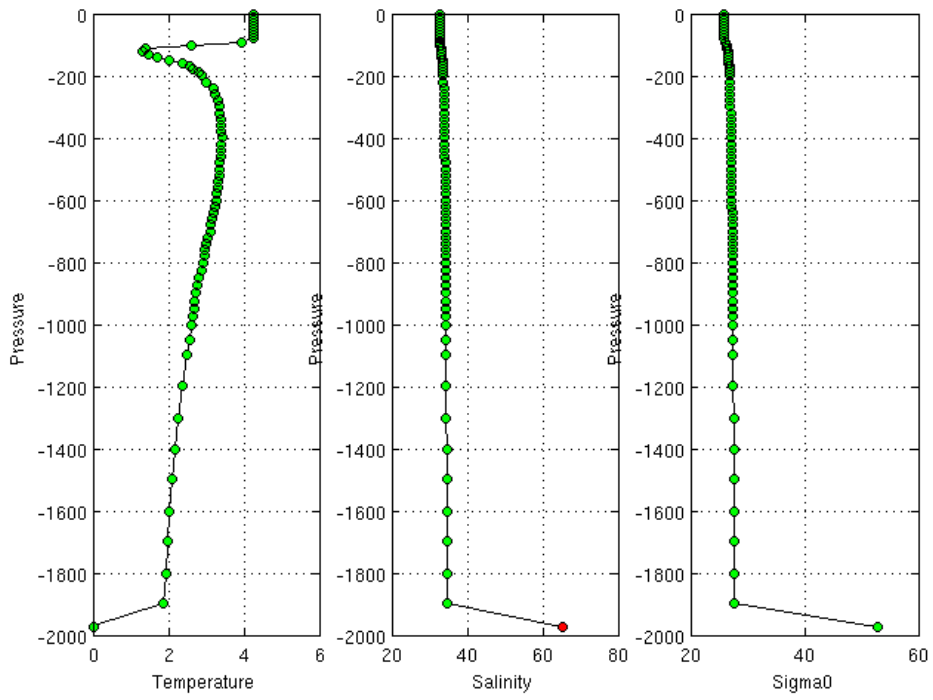
KM,2901713,12,02/12/2013 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=31741789 ,TEMP,1997.5,1997.5,1,4  
 KM,2901715,12,03/12/2013 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=31800616 ,TEMP,1997.5,1997.5,1,4  
 KM,2900890,202,06/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32038222 ,PSAL,146.1,146.1,1,4  
 KM,2900890,202,06/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32038222 ,TEMP,146.1,146.1,1,4  
 KM,2901248,76,06/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32038271 ,TEMP,198,199,1,3  
 KM,2901248,76,06/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32038271 ,TEMP,207,207,1,3  
 KM,2901248,76,06/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32038271 ,TEMP,212,212,1,3  
 KM,2901248,76,06/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32038271 ,TEMP,219,219,1,3  
 KM,2901248,76,06/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32038271 ,TEMP,233,233,1,3  
 KM,2901248,76,06/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32038271 ,TEMP,237,237,1,3  
 KM,2901248,76,06/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32038271 ,PSAL,198,199,1,3  
 KM,2901248,76,06/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32038271 ,PSAL,207,207,1,3  
 KM,2901248,76,06/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32038271 ,PSAL,212,212,1,3  
 KM,2901248,76,06/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32038271 ,PSAL,219,219,1,3  
 KM,2901248,76,06/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32038271 ,PSAL,233,233,1,3  
 KM,2901248,76,06/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32038271 ,PSAL,237,237,1,3  
 KM,2901712,15,06/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32038310 ,TEMP,1971.9,1971.9,1,4  
 KM,2901714,15,06/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32038312 ,TEMP,1997.5,1997.5,1,4  
 KM,2901716,15,06/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32038314 ,TEMP,1997.5,1997.5,1,4  
 KM,2900890,202,28/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32038222 ,PSAL,146.1,146.1,1,4  
 KM,2900890,202,28/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32038222 ,TEMP,146.1,146.1,1,4  
 KM,2901248,76,29/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32038271 ,TEMP,198,199,1,3  
 KM,2901248,76,29/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32038271 ,TEMP,207,207,1,3  
 KM,2901248,76,29/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32038271 ,TEMP,212,212,1,3  
 KM,2901248,76,29/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32038271 ,TEMP,219,219,1,3  
 KM,2901248,76,29/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32038271 ,TEMP,233,233,1,3  
 KM,2901248,76,29/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32038271 ,TEMP,237,237,1,3  
 KM,2901248,76,29/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32038271 ,PSAL,198,199,1,3  
 KM,2901248,76,29/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32038271 ,PSAL,207,207,1,3  
 KM,2901248,76,29/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32038271 ,PSAL,212,212,1,3  
 KM,2901248,76,29/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32038271 ,PSAL,219,219,1,3  
 KM,2901248,76,29/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32038271 ,PSAL,233,233,1,3  
 KM,2901248,76,29/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32038271 ,PSAL,237,237,1,3  
 KM,2901712,15,28/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32038310 ,TEMP,1971.9,1971.9,1,4  
 KM,2901714,15,28/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32038312 ,TEMP,1997.5,1997.5,1,4  
 KM,2901716,15,28/01/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32038314 ,TEMP,1997.5,1997.5,1,4

Example of anomalies:

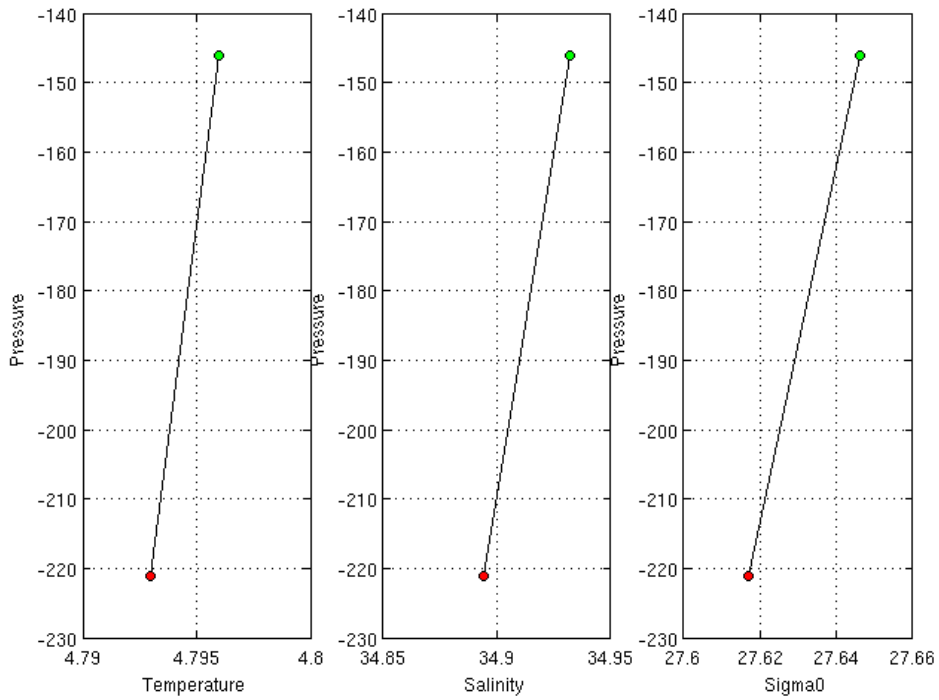
Warning Objective Analysis Anomalies 2014 January TEMP PSAL : DAC KM- Float 2901248-76



Warning Objective Analysis Anomalies 2014 January TEMP PSAL : DAC KM- Float 2901712-15



Warning Objective Analysis Anomalies 2014 January TEMP PSAL : DAC KM- Float 2900890-202



## 8. DAC KORDI

Profiles detected by the objective analysis: 0

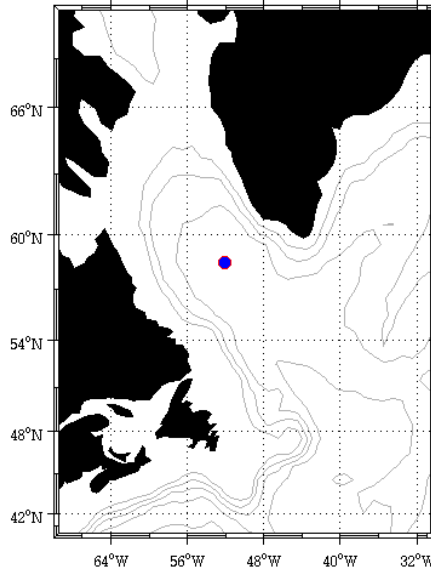
**Status of corrections:**

Example of anomalies:

## 9. DAC MEDS

Profiles detected by the objective analysis: 1

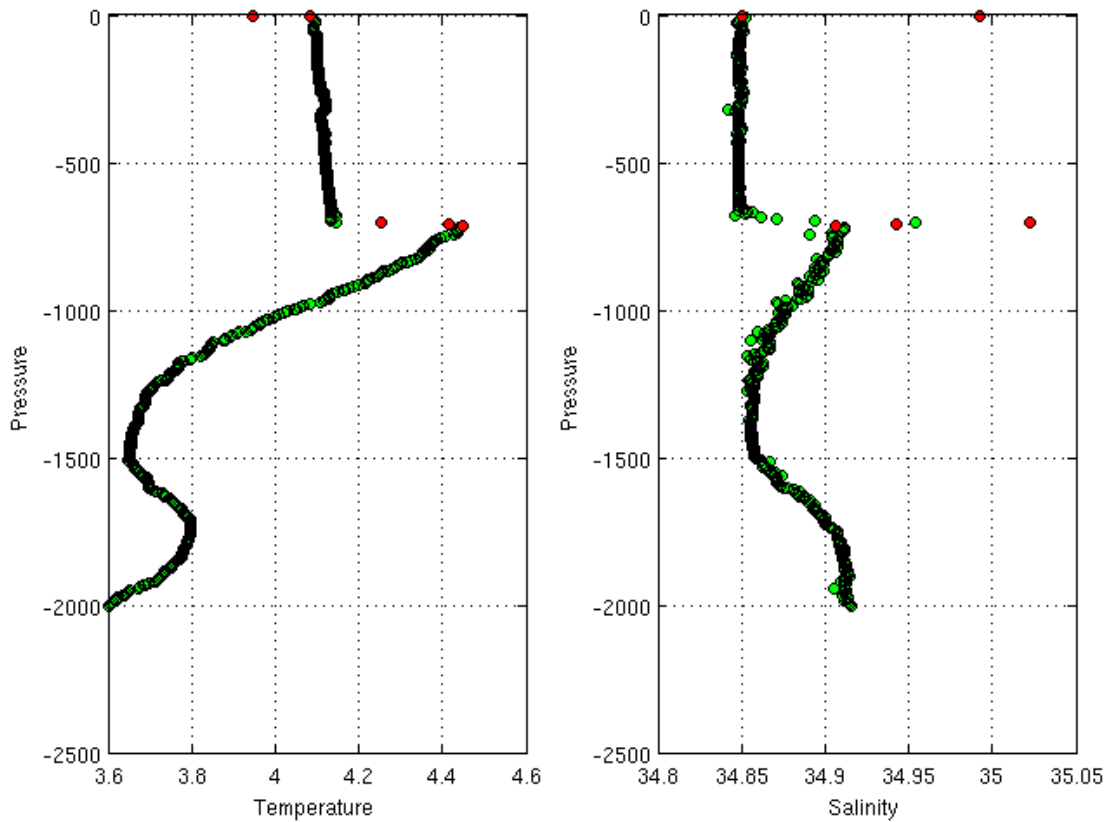
Warning Objective Analysis Anomalies 2014 January



**Status of corrections: NOT DONE, NO FEEDBACK**

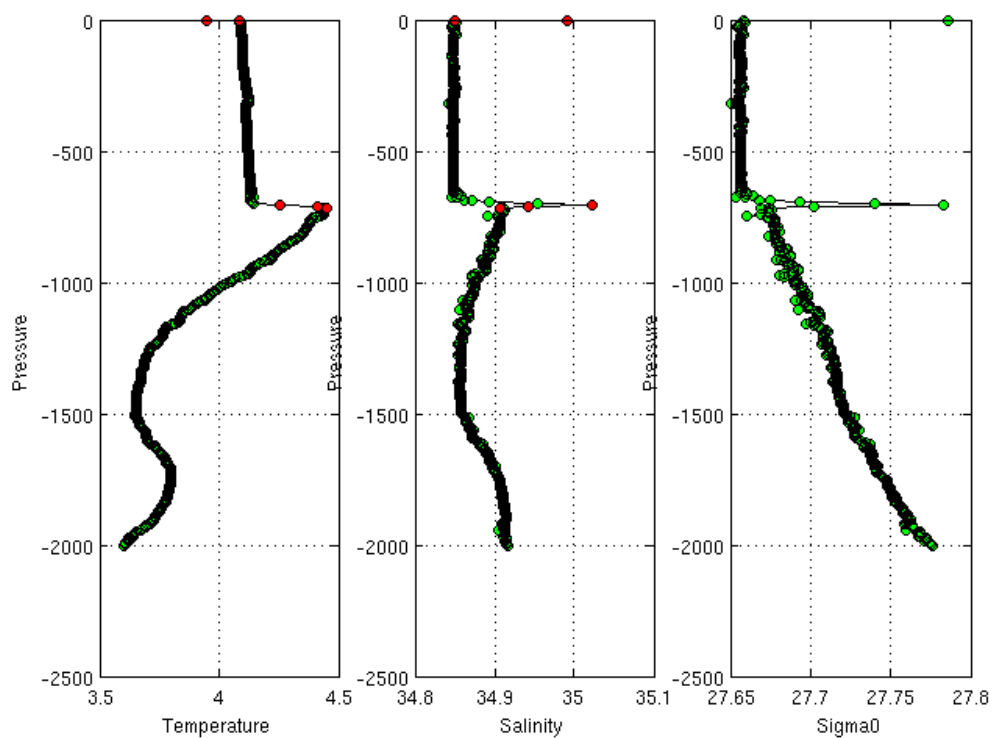
Float : 4901200 - Cycle : 58 - PI : Denis Gilbert - Data mode : A - INST REF : - Date : 2014 1 19

Warning Objective Analysis Anomalies 2014 January TEMP PSAL - DAC ME



Example of anomalies:

**Warning Objective Analysis Anomalies 2014 January TEMP PSAL : DAC ME- Float 4901200-58**



## 10. DAC NMDIS

Profiles detected by the objective analysis: 0

**Status of corrections:**

**Example of anomalies:**



## 11. Delayed Mode Anomalies

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

### 11.1. BODC

**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 = _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ ;
}
```

### 11.2. CSIO

**no adjusted value in real time files !! (but delayed mode exists for first cycles)**

E.g. : 5901605 : DM files 001 to 245 RT files 246 to 262

**netcdf R5901605\_246 {**

```
DATE_CREATION = "20130422191738" ;
DATE_UPDATE = "20130422191738" ;
DATA_MODE = "R" ;
PRES_ADJUSTED =
_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ ;
_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ ;
TEMP_ADJUSTED =
_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ ;
_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ ;
PSAL_ADJUSTED =
_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ ;
_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ ;
```

**netcdf D5901605\_245 {**

```
DATE_CREATION = "20130411191811" ;
DATE_UPDATE = "20131004074941" ;
```



For floats : 2901615 – 2901631 - 2901632

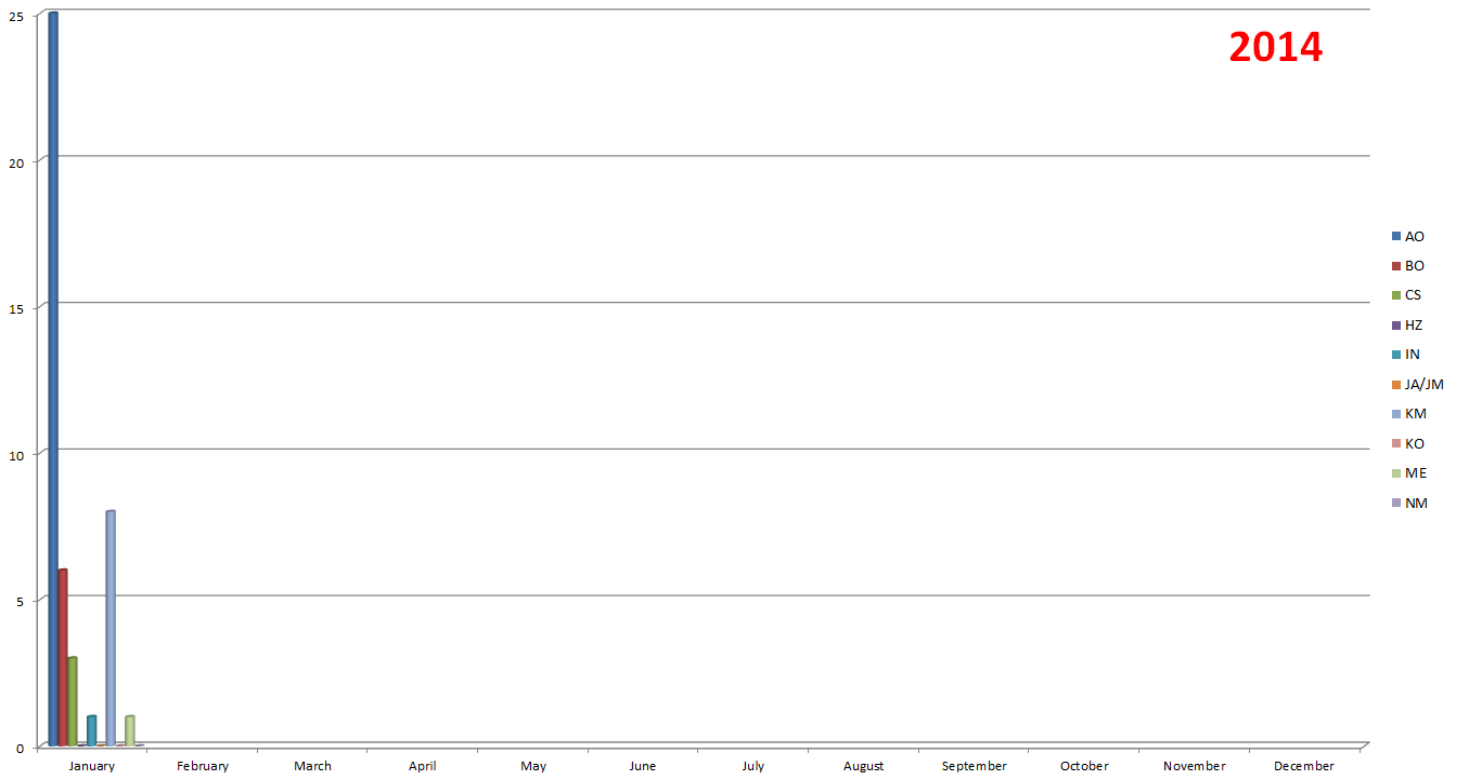
**2901632** : all cycles with data\_state\_indicator="2C" – DM files but still R\*\*\*.nc and data\_mode='R'

```
netcdf R2901632_004 {  
DATA_STATE_INDICATOR = "2C " ;  
DATA_MODE = "R" ;  
PRES_ADJUSTED =  
    0.0,  6.0, 16.0, 25.0, 35.0, 45.0, 55.0, 66.0, ...  
PSAL_ADJUSTED =  
    33.927, 34.244, 34.317, 34.342, 34.515, 34.629, ...  
TEMP_ADJUSTED =  
    27.716, 26.863, 26.664, 26.225, 25.034, 23.338, ...  
SCIENTIFIC_CALIB_EQUATION =  
"none",  
"none",  
"PSAL_ADJUSTED is calculated from a conductivity multiplicative adjustment term r." ;
```

## 12. Statistics

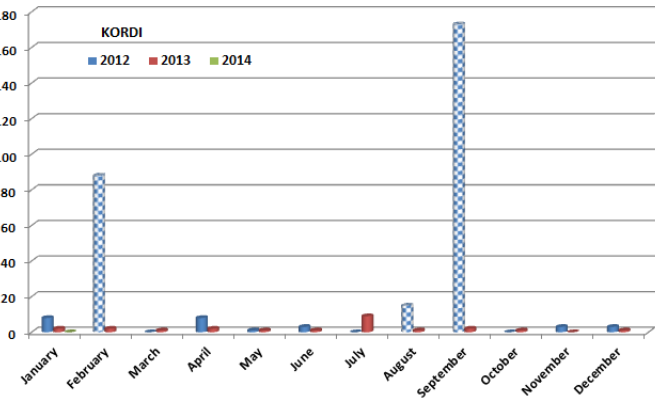
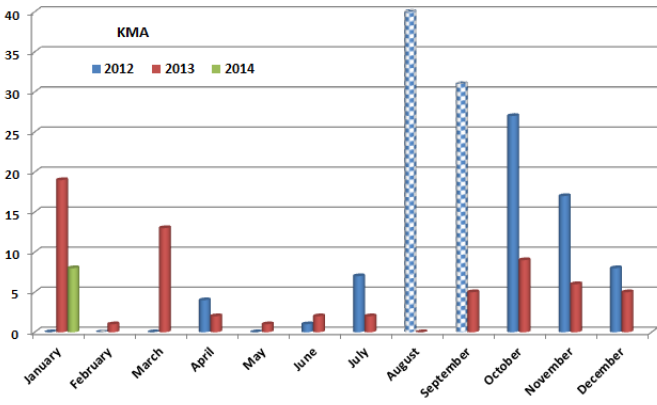
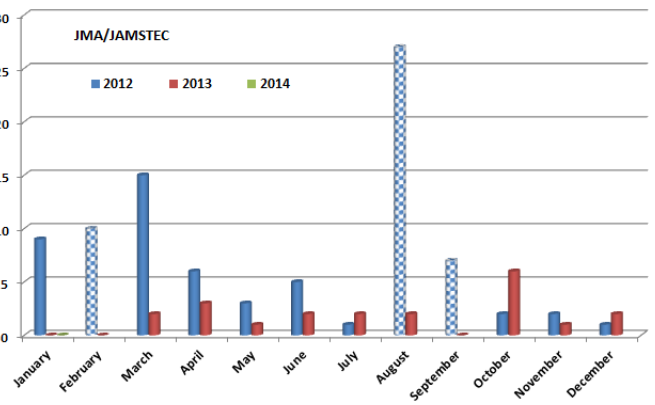
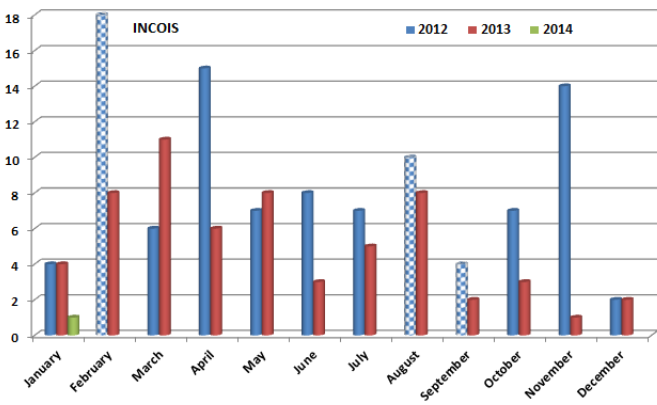
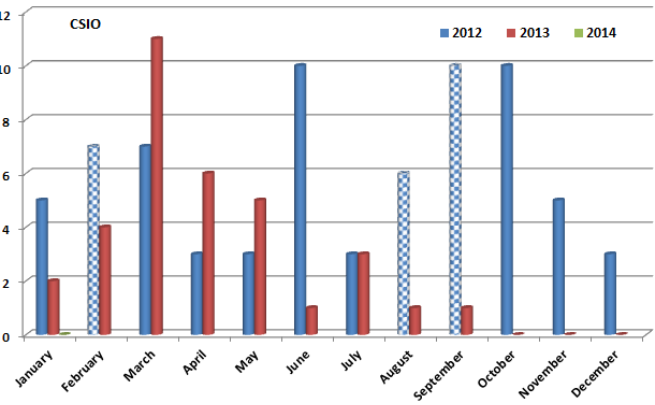
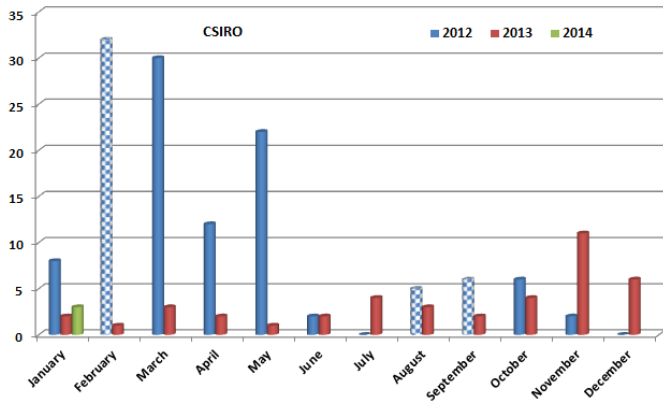
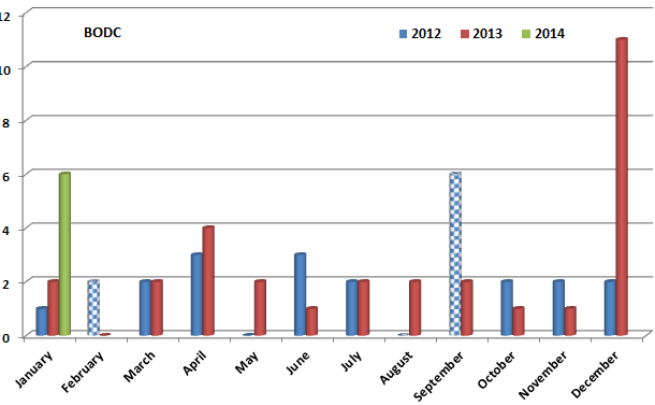
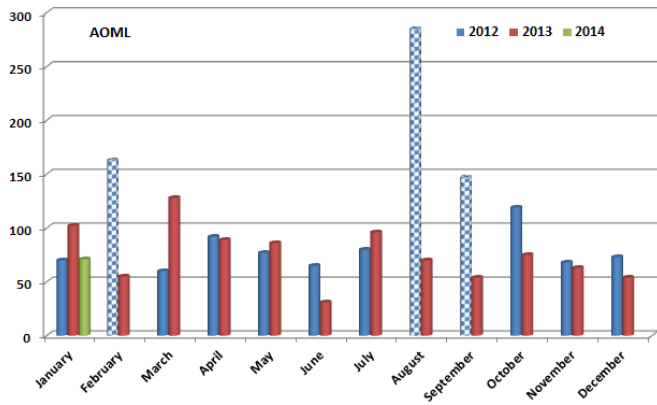
Plots showing evolution of number of anomalies by DAC.

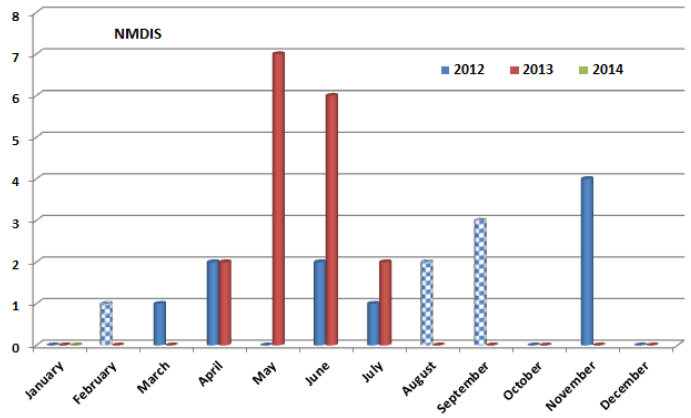
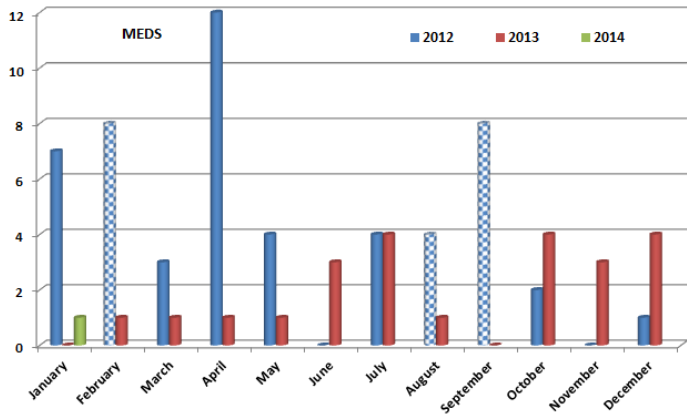
### 12.1. Year



Year 2013 with a zoom on range 0-25 for number of anomalies:

## 12.2. DAC





### 12.3. Anomalies by year, by month

