



# Anomalies on Argo profiles

From warning objective analysis, netcdf file analysis

**March 2014**

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**Coriolis**

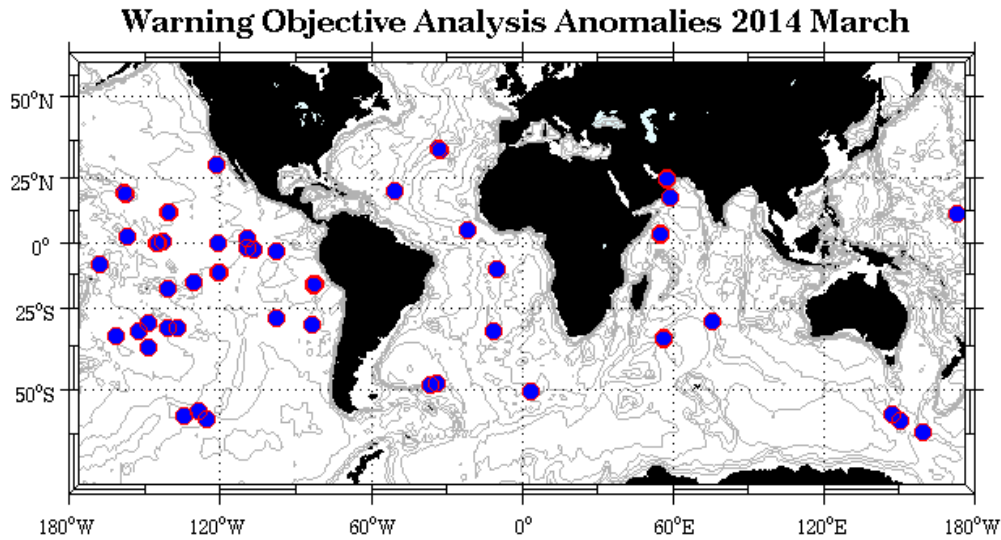
# Anomalies by DAC

## Summary

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# 1. DAC AOML

Profiles detected by the objective analysis: 67

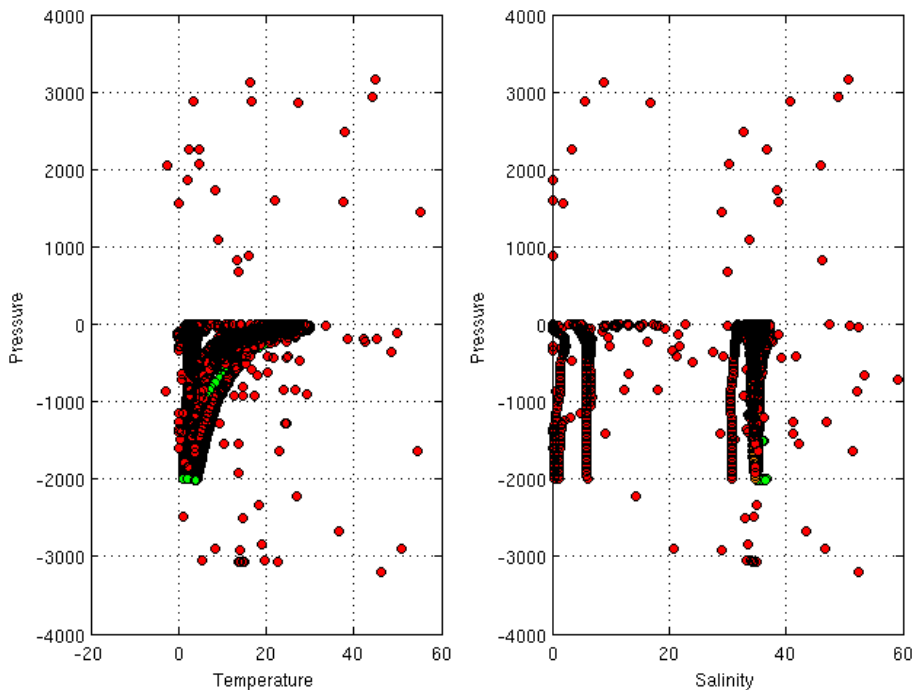


## Status of corrections: Done except for few profiles –

Float : 1901045 - Cycle : 169 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_3229 - Date : 2014 2 26  
Float : 1901045 - Cycle : 170 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_3229 - Date : 2014 3 8  
Float : 1901045 - Cycle : 171 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_3229 - Date : 2014 3 18  
Float : 1901369 - Cycle : 178 - PI : STEPHEN RISER - Data mode : D - INST REF : APEX\_SBE\_4285 - Date : 2014 3 23  
Float : 1901576 - Cycle : 74 - PI : BRECK OWENS - Data mode : R - INST REF : SOLO\_SBE\_1114 - Date : 2014 3 21  
Float : 1901689 - Cycle : 19 - PI : Breck Owens, Steve Jayne, and P.E. Robbi - Data mode : R - INST REF : SOLO2IR\_SBE\_7144 - Date : 2014 2 24  
Float : 1901708 - Cycle : 2 - PI : Breck Owens, Steve Jayne, P.E. Robbins - Data mode : R - INST REF : SOLO2IR\_SBE\_7136 - Date : 2014 3 5  
Float : 1901708 - Cycle : 3 - PI : Breck Owens, Steve Jayne, P.E. Robbins - Data mode : R - INST REF : SOLO2IR\_SBE\_7136 - Date : 2014 3 6  
Float : 1901708 - Cycle : 4 - PI : Breck Owens, Steve Jayne, P.E. Robbins - Data mode : R - INST REF : SOLO2IR\_SBE\_7136 - Date : 2014 3 7  
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 : 2901415 - Cycle : 152 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : APEX\_SBE\_5907 - Date : 2014 3 16  
Float : 2901418 - Cycle : 148 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : APEX\_SBE\_5910 - Date : 2014 2 28  
Float : 2901418 - Cycle : 149 - PI : CARL SZCZECZOWSKI - Data mode : R - INST REF : APEX\_SBE\_5910 - Date : 2014 3 4  
Float : 2901418 - Cycle : 150 - PI : CARL SZCZECZOWSKI - Data mode : R - INST REF : APEX\_SBE\_5910 - Date : 2014 3 8  
Float : 3900546 - Cycle : 279 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : APEX\_SBE\_2330 - Date : 2014 3 4  
Float : 3900715 - Cycle : 272 - PI : Robert A. Weller - Data mode : R - INST REF : SOLOIR\_SBE\_0856 - Date : 2014 2 27  
Float : 3900715 - Cycle : 273 - PI : Robert A. Weller - Data mode : R - INST REF : SOLOIR\_SBE\_0856 - Date : 2014 3 9  
Float : 3900715 - Cycle : 274 - PI : Robert A. Weller - Data mode : R - INST REF : SOLOIR\_SBE\_0856 - Date : 2014 3 19  
Float : 3900779 - Cycle : 156 - PI : Gregory C. Johnson - Data mode : A - INST REF : APEXIR\_SBE\_4674 - Date : 2014 3 26  
Float : 3900780 - Cycle : 145 - PI : Gregory C. Johnson - Data mode : A - INST REF : APEXIR\_SBE\_4678 - Date : 2014 3 25  
Float : 3900803 - Cycle : 132 - PI : Gregory C. Johnson - Data mode : A - INST REF : APEXIR\_SBE\_4598 - Date : 2014 3 5  
Float : 4900853 - Cycle : 196 - PI : GREGORY C. JOHNSON - Data mode : R - INST REF : APEX\_SBE\_3966 - Date : 2014 3 18  
Float : 4901016 - Cycle : 189 - PI : BRECK OWENS - Data mode : R - INST REF : SOLO\_SBE\_SL883 - Date : 2014 3 2  
Float : 4901016 - Cycle : 190 - PI : BRECK OWENS - Data mode : R - INST REF : SOLO\_SBE\_SL883 - Date : 2014 3 12  
Float : 4901016 - Cycle : 191 - PI : BRECK OWENS - Data mode : R - INST REF : SOLO\_SBE\_SL883 - Date : 2014 3 22  
Float : 4901454 - Cycle : 42 - PI : BRECK OWENS - Data mode : R - INST REF : SOLO\_SBE\_1104 - Date : 2014 3 5  
Float : 4901586 - Cycle : 19 - PI : Breck Owens, Steve Jayne, and P.E. Robbi - Data mode : R - INST REF : SOLO2IR\_SBE\_7174 - Date : 2014 2 20  
Float : 4901586 - Cycle : 20 - PI : Breck Owens, Steve Jayne, and P.E. Robbi - Data mode : R - INST REF : SOLO2IR\_SBE\_7174 - Date : 2014 3 2  
Float : 4901586 - Cycle : 21 - PI : Breck Owens, Steve Jayne, and P.E. Robbi - Data mode : R - INST REF : SOLO2IR\_SBE\_7174 - Date : 2014 3 12  
Float : 4901586 - Cycle : 22 - PI : Breck Owens, Steve Jayne, and P.E. Robbi - Data mode : R - INST REF : SOLO2IR\_SBE\_7174 - Date : 2014 3 22  
Float : 5900425 - Cycle : 351 - PI : STEPHEN RISER - Data mode : D - INST REF : APEX\_SBE\_1030 - Date : 2014 3 2  
Float : 5900425 - Cycle : 352 - PI : STEPHEN RISER - Data mode : D - INST REF : APEX\_SBE\_1030 - Date : 2014 3 12  
Float : 5900696 - Cycle : 322 - PI : STEPHEN RISER - Data mode : R - INST REF : APEX\_SBE\_1708 - Date : 2014 3 2  
Float : 5900696 - Cycle : 323 - PI : STEPHEN RISER - Data mode : R - INST REF : APEX\_SBE\_1708 - Date : 2014 3 12  
Float : 5900886 - Cycle : 311 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : APEX\_SBE\_1880 - Date : 2014 3 6  
Float : 5900886 - Cycle : 312 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : APEX\_SBE\_1880 - Date : 2014 3 17  
Float : 5900930 - Cycle : 309 - PI : STEPHEN RISER - Data mode : D - INST REF : APEX\_SBE\_1857 - Date : 2014 3 21  
Float : 5901895 - Cycle : 195 - PI : STEPHEN RISER - Data mode : D - INST REF : APEX\_SBE\_3939 - Date : 2014 3 3  
Float : 5901897 - Cycle : 196 - PI : STEPHEN RISER - Data mode : D - INST REF : APEX\_SBE\_3941 - Date : 2014 3 15

Float : 5902216 - Cycle : 184 - PI : GREGORY C. JOHNSON - Data mode : R - INST REF : APEX\_SBE\_4017 - Date : 2014 3 9  
 Float : 5903403 - Cycle : 201 - PI : Stephen Riser - Data mode : A - INST REF : APEXIR\_SBE\_4820 - Date : 2014 3 22  
 Float : 5903431 - Cycle : 88 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_5226 - Date : 2014 3 2  
 Float : 5903431 - Cycle : 90 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_5226 - Date : 2014 3 22  
 Float : 5903721 - Cycle : 99 - PI : Stephen Riser - Data mode : A - INST REF : APEXIR\_SBE\_5305 - Date : 2014 1 8  
 Float : 5903721 - Cycle : 104 - PI : Stephen Riser - Data mode : A - INST REF : APEXIR\_SBE\_5305 - Date : 2014 2 12  
 Float : 5903721 - Cycle : 106 - PI : Stephen Riser - Data mode : A - INST REF : APEXIR\_SBE\_5305 - Date : 2014 2 26  
 Float : 5903819 - Cycle : 87 - PI : DEAN ROEMMICH - Data mode : R - INST REF : SOLO\_SBE\_3029 - Date : 2014 3 13  
 Float : 5903975 - Cycle : 48 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_5851 - Date : 2014 3 15  
 Float : 5903976 - Cycle : 46 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_5848 - Date : 2014 3 9  
 Float : 5903977 - Cycle : 46 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_6118 - Date : 2014 3 3  
 Float : 5903979 - Cycle : 47 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_5850 - Date : 2014 3 18  
 Float : 5903980 - Cycle : 48 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_5852 - Date : 2014 3 25  
 Float : 5903982 - Cycle : 46 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_6220 - Date : 2014 3 7  
 Float : 5903987 - Cycle : 47 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_6225 - Date : 2014 3 22  
 Float : 5904198 - Cycle : 41 - PI : DEAN ROEMMICH - Data mode : R - INST REF : SOLOIR\_SBE\_3071 - Date : 2014 2 18  
 Float : 5904200 - Cycle : 39 - PI : DEAN ROEMMICH - Data mode : R - INST REF : SOLOIR\_SBE\_3073 - Date : 2014 2 3  
 Float : 5904273 - Cycle : 37 - PI : Gregory C. Johnson - Data mode : R - INST REF : NAVISIR\_SBE\_0190 - Date : 2014 3 23  
 Float : 5904307 - Cycle : 3 - PI : DEAN ROEMMICH - Data mode : R - INST REF : SOLO2IR\_SBE\_8207 - Date : 2014 2 3  
 Float : 5904325 - Cycle : 38 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : APEX\_SBE\_6483 - Date : 2014 3 7  
 Float : 5904325 - Cycle : 42 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : APEX\_SBE\_6483 - Date : 2014 3 23  
 Float : 5904502 - Cycle : 8 - PI : DEAN ROEMMICH - Data mode : R - INST REF : SOLO2IR\_SBE\_8215 - Date : 2014 3 7  
 Float : 5904504 - Cycle : 1 - PI : DEAN ROEMMICH - Data mode : R - INST REF : SOLO2IR\_SBE\_8217 - Date : 2014 2 12  
 Float : 5904504 - Cycle : 2 - PI : DEAN ROEMMICH - Data mode : R - INST REF : SOLO2IR\_SBE\_8217 - Date : 2014 2 13  
 Float : 5904504 - Cycle : 3 - PI : DEAN ROEMMICH - Data mode : R - INST REF : SOLO2IR\_SBE\_8217 - Date : 2014 2 14  
 Float : 5904504 - Cycle : 4 - PI : DEAN ROEMMICH - Data mode : R - INST REF : SOLO2IR\_SBE\_8217 - Date : 2014 2 15  
 Float : 5904504 - Cycle : 5 - PI : DEAN ROEMMICH - Data mode : R - INST REF : SOLO2IR\_SBE\_8217 - Date : 2014 2 16  
 Float : 5904504 - Cycle : 6 - PI : DEAN ROEMMICH - Data mode : R - INST REF : SOLO2IR\_SBE\_8217 - Date : 2014 2 23

**Warning Objective Analysis Anomalies 2014 March TEMP PSAL - DAC AO**



DAC\_CODE,PLATFORM\_CODE,CV\_NUMBER,DATE\_UPDATE,DIRECTION,WEB\_URL,PARAMETER,START\_IMMERSION,STOP\_IMMERSION,OLD\_QC,NEW\_QC  
 AO,5903721,99,08/01/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32069278>,PSAL,104,124,1,4  
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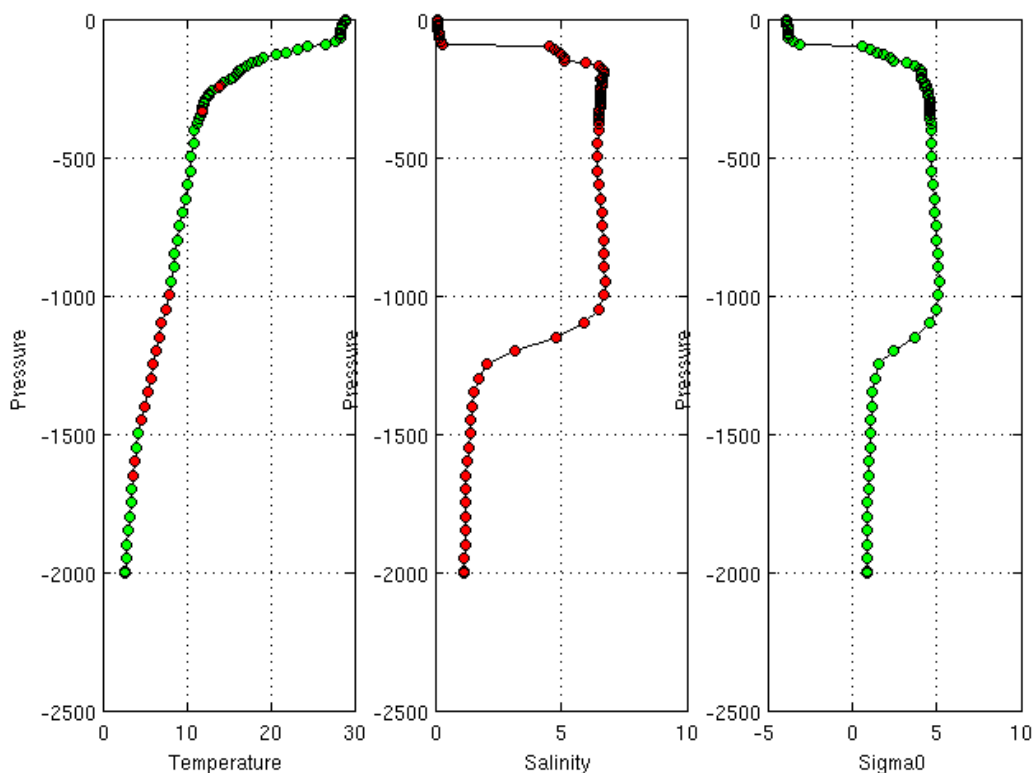


AO,5903403,201,23/03/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32663592 ,PSAL,376,388,1,4  
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 AO,5904273,37,23/03/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32663866 ,PSAL,502,586,1,4  
 AO,3900780,145,25/03/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32687059 ,PSAL,111.4,111.4,1,4  
 AO,3900779,156,26/03/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32689862 ,PSAL,55.9,55.9,1,4  
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 AO,4901016,191,23/03/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32661237 ,PSAL,20,35,1,4  
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 AO,5903431,90,23/03/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32663595 ,PSAL,2.5,2.5,1,4  
 AO,5904325,42,24/03/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32663870 ,PSAL,1200.6,1200.6,1,4  
 AO,5900930,309,22/03/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32661016 ,PSAL,23.6,27.9,1,4  
 AO,5900930,309,22/03/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32661016 ,PSAL,49,49,1,4  
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 AO,5900930,309,22/03/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32661016 ,TEMP,249,249,1,4  
 AO,5900930,309,22/03/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32661016 ,TEMP,420.1,420.1,1,4  
 AO,5903403,201,23/03/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32663592 ,PSAL,170,184,1,4  
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 AO,5903403,201,23/03/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32663592 ,PSAL,454,526,1,4  
 AO,5904273,37,23/03/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32663866 ,PSAL,502,586,1,4  
 AO,3900780,145,25/03/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32687059 ,PSAL,111.4,111.4,1,4

**APEX to put on the grey list:**

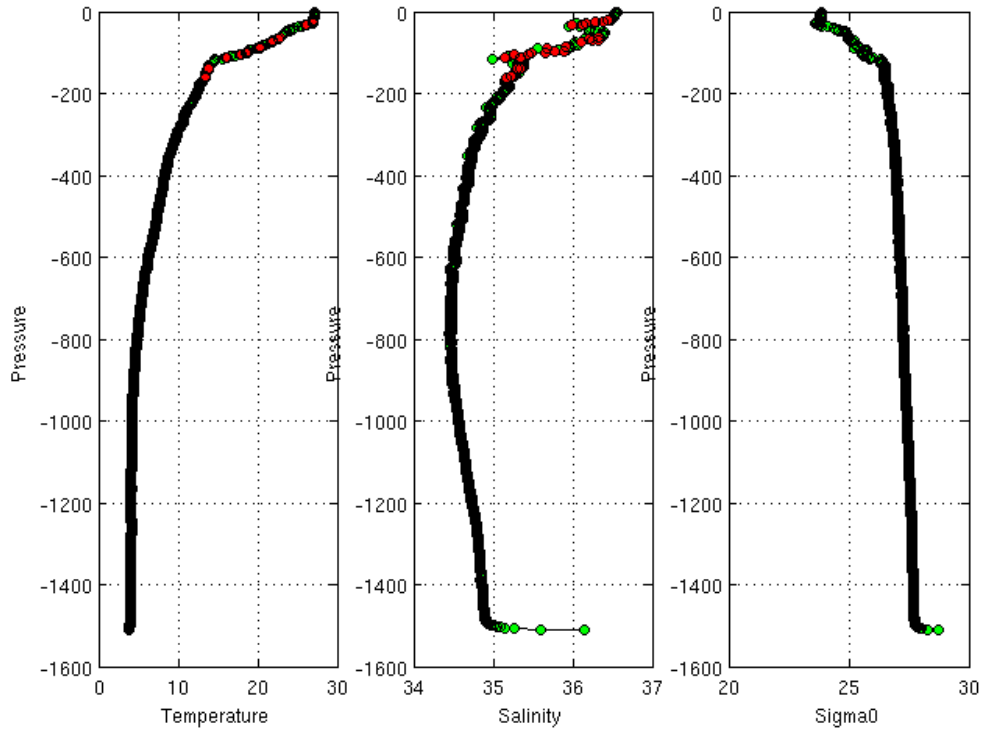
Example of corrections:

**Warning Objective Analysis Anomalies 2014 March TEMP PSAL : DAC AO- Float 1901045-170**

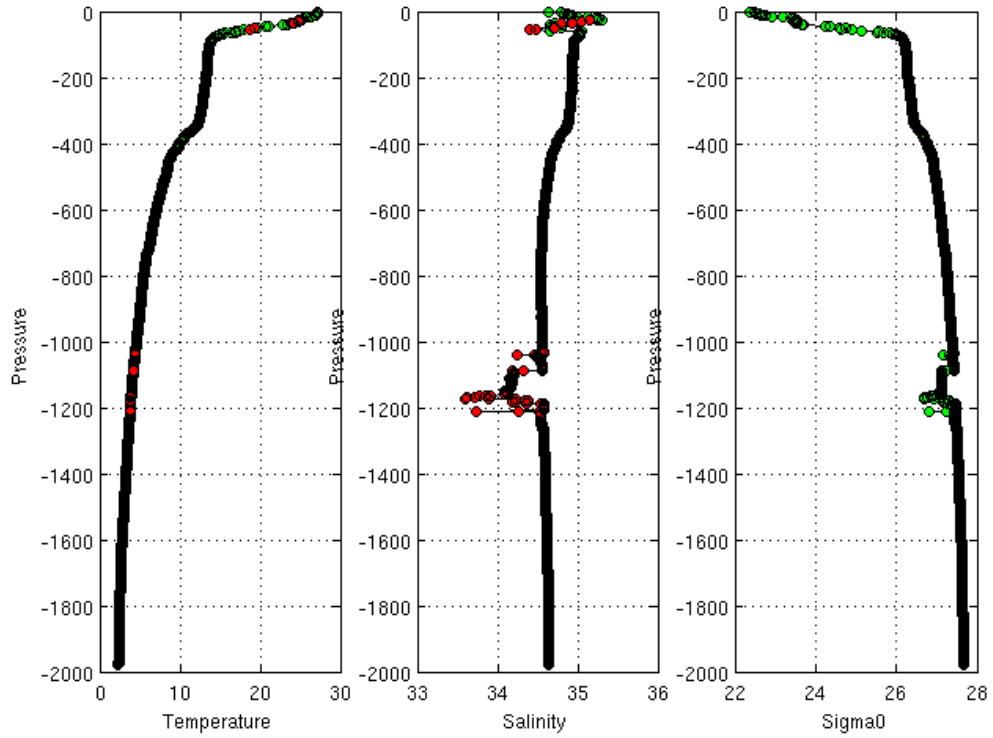




Warning Objective Analysis Anomalies 2014 March TEMP PSAL : DAC AO- Float 1901708-3

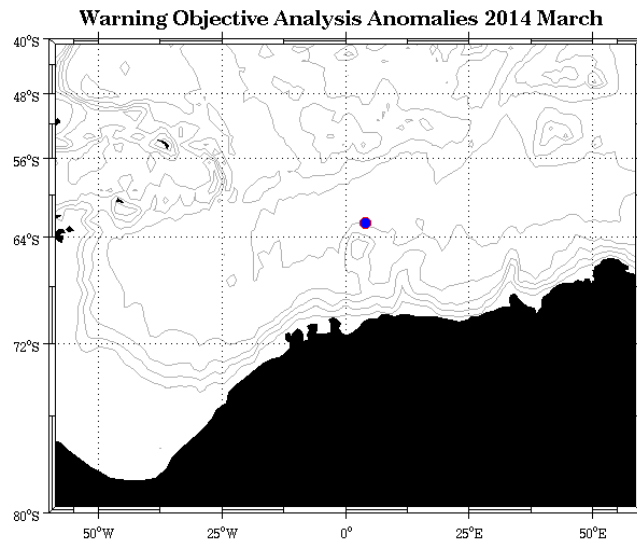


Warning Objective Analysis Anomalies 2014 March TEMP PSAL : DAC AO- Float 3900779-156



## 2. DAC BODC

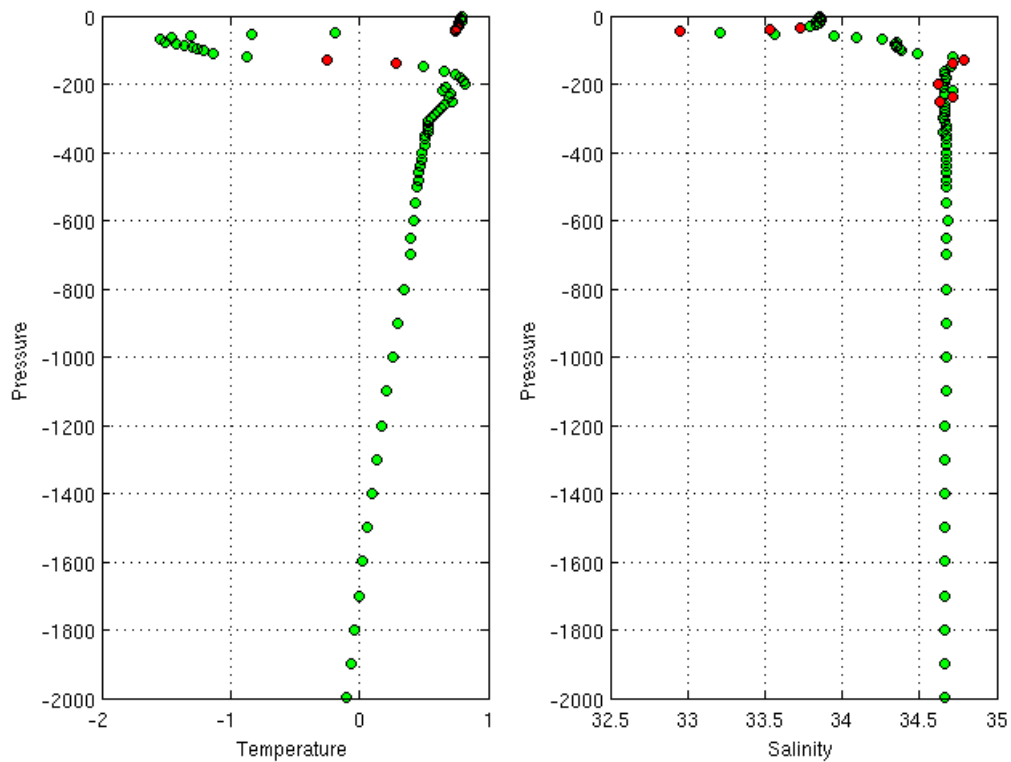
Profiles detected by the objective analysis: 1



**Status of corrections: Not Done, no feedback**

Float : 1901251 - Cycle : 142 - PI : Jon Turton - Data mode : A - INST REF : APEX-SBE 4502 - Date : 2014 2 23

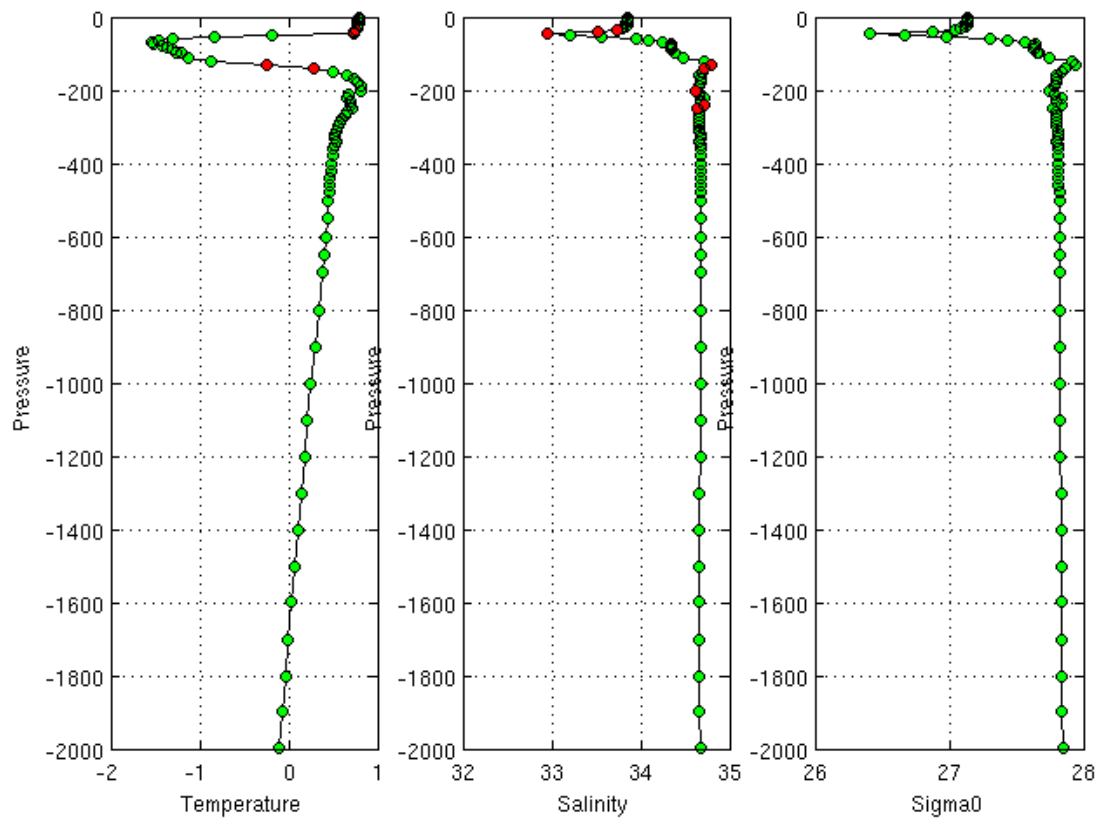
### Warning Objective Analysis Anomalies 2014 March TEMP PSAL - DAC BO



DAC\_CODE,PLATFORM\_CODE,CV\_NUMBER,DATE\_UPDATE,DIRECTION,WEB\_URL,PARAMETER,START\_IMMERSION,STOP\_IMMERSION,OLD\_QC,NEW\_QC  
BO,1901251,142,24/02/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32442240> ,PSAL,50.3,55.4,1,4

Example of corrections:

Warning Objective Analysis Anomalies 2014 March TEMP PSAL : DAC BO- Float 1901251-142



### 3. DAC CSIO

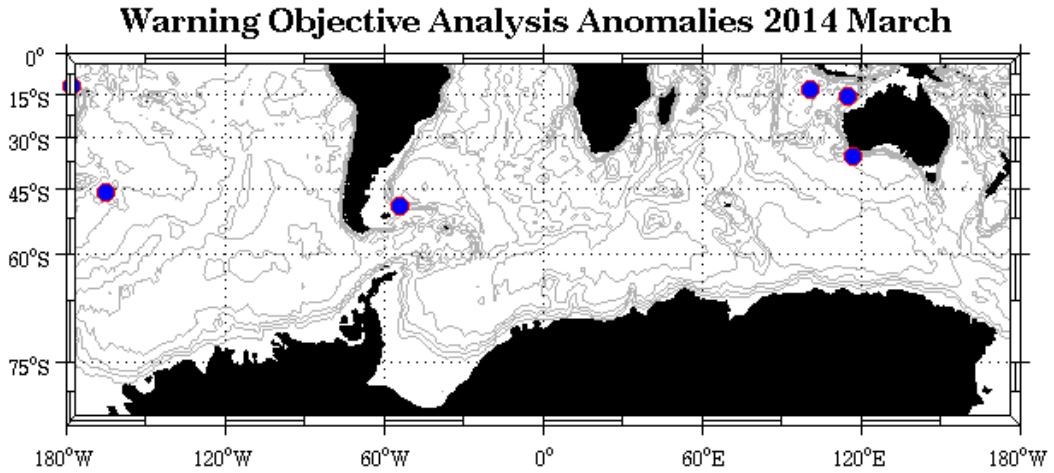
Profiles detected by the objective analysis: 0

**Status of corrections:**

Example of corrections:

## 4. DAC CSIRO

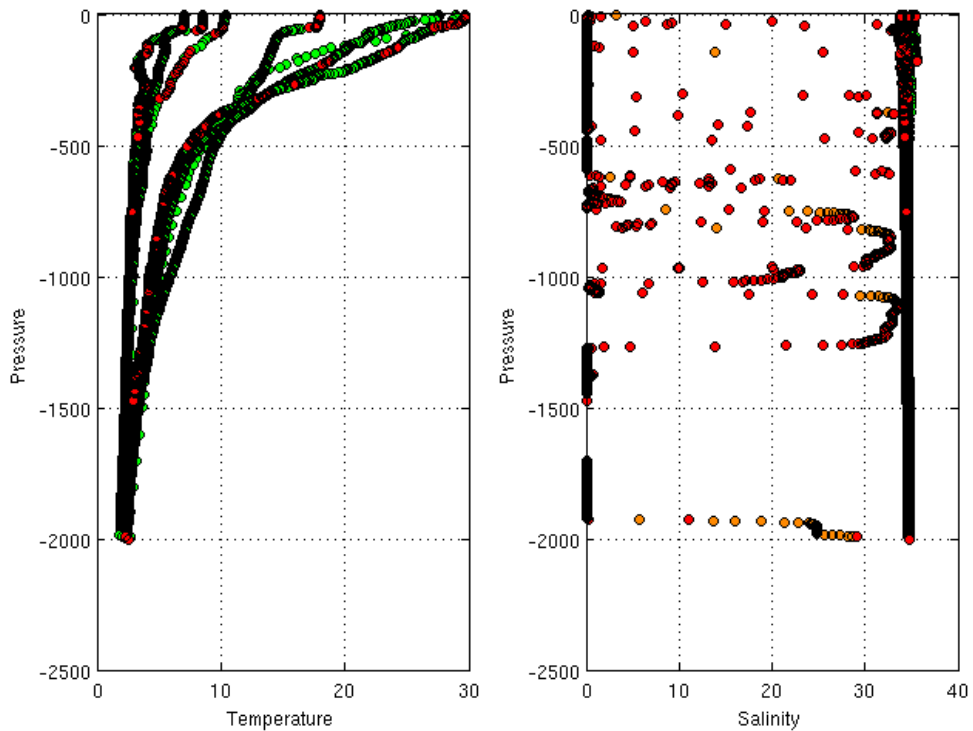
Profiles detected by the objective analysis: 7



**Status of corrections: DONE with feedback**

Float : 5901654 - Cycle : 217 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2014 3 8  
 Float : 5903221 - Cycle : 183 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2014 3 13  
 Float : 5903221 - Cycle : 184 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2014 3 22  
 Float : 5903240 - Cycle : 153 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2014 2 28  
 Float : 5903700 - Cycle : 88 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2014 2 21  
 Float : 5903914 - Cycle : 85 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2014 3 21  
 Float : 5904222 - Cycle : 169 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2014 3 8

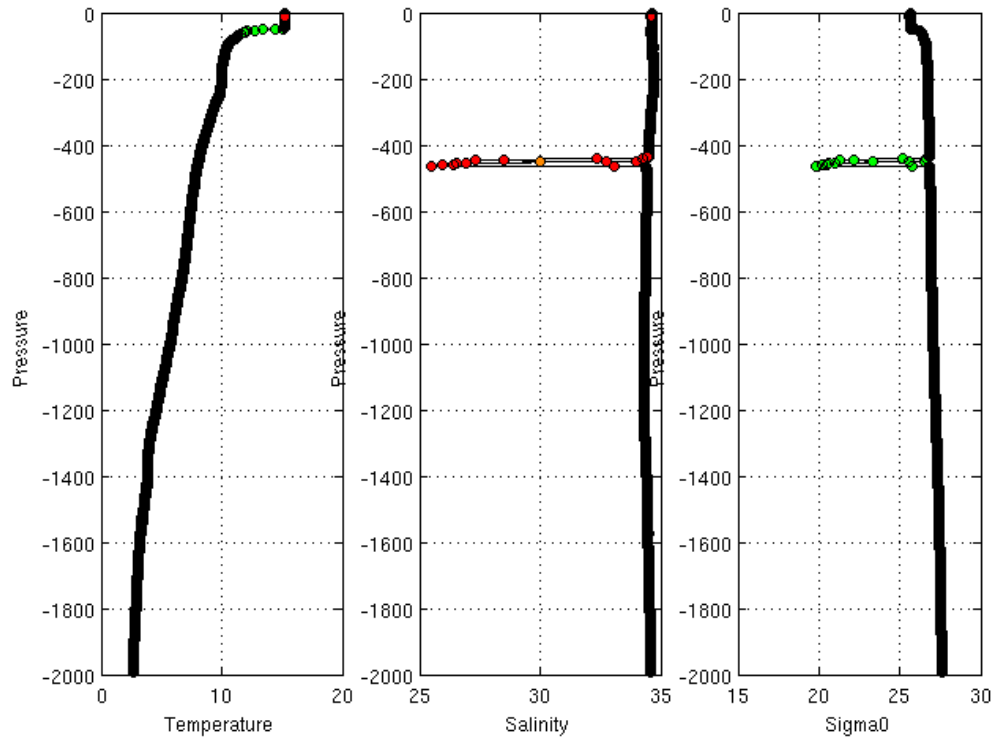
**Warning Objective Analysis Anomalies 2014 February TEMP PSAL - DAC CS**



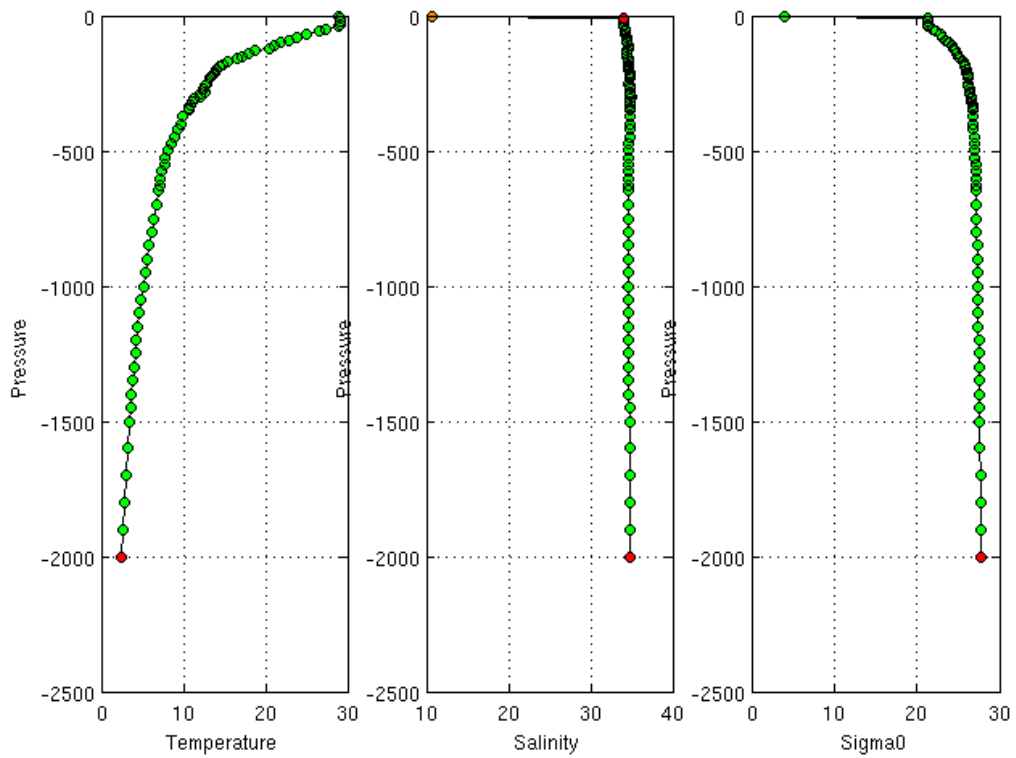
DAC\_CODE,PLATFORM\_CODE,CV\_NUMBER,DATE\_UPDATE,DIRECTION,WEB\_URL,PARAMETER,START\_IMMERSION,STOP\_IMMERSION,OLD\_QC,NEW\_QC  
 CS,5903700,88,21/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32436597 ,PSAL,142,142,3,4  
 CS,5903700,88,21/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32436597 ,PSAL,376,378,3,4  
 CS,5903700,88,21/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32436597 ,PSAL,449.9,452,3,4



Warning Objective Analysis Anomalies 2014 March TEMP PSAL : DAC CS- Float 5904222-169



Warning Objective Analysis Anomalies 2014 March TEMP PSAL : DAC CS- Float 5903914-85



## 5. DAC INCOIS

Profiles detected by the objective analysis: 0

### **Status of corrections: )**

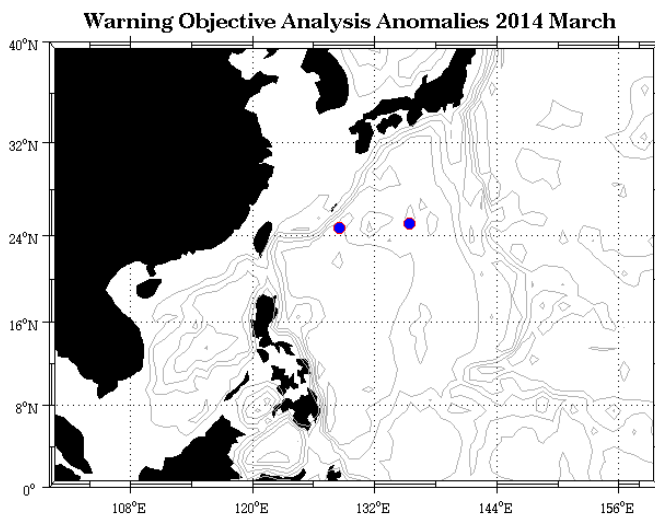
(Comment: Some (Provor/Arvor) are directly taken into account in the Coriolis process, such as decoding and quality control).

Example of corrections:



## 6. DAC JMA/JAMSTEC

Profiles detected by the objective analysis: 2

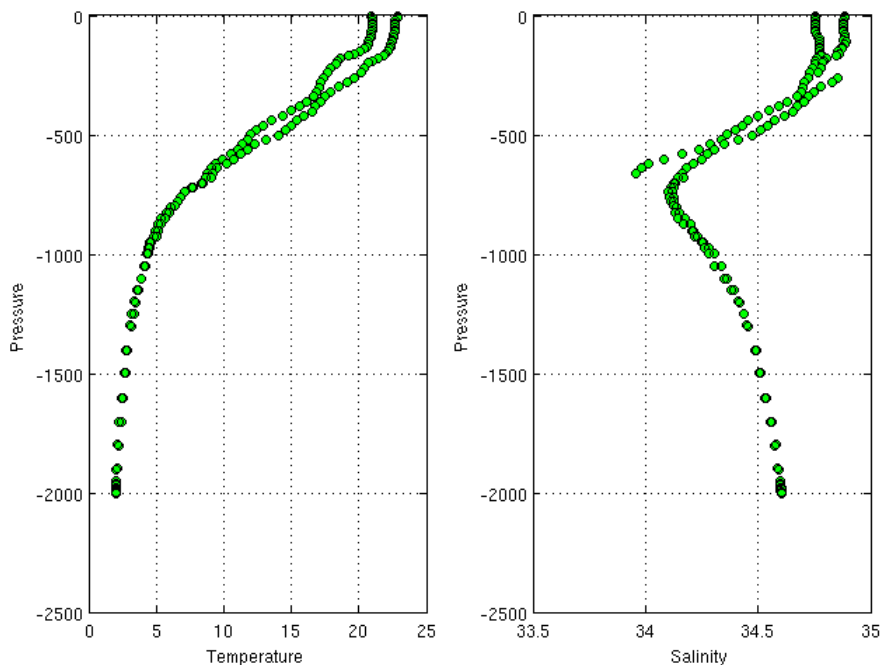


**Status of corrections: Not done, no feedback**

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

Float : 2902501 - Cycle : 9 - PI : JMA - Data mode : A - INST REF : APEX-SBE 6723 - Date : 2014 2 20

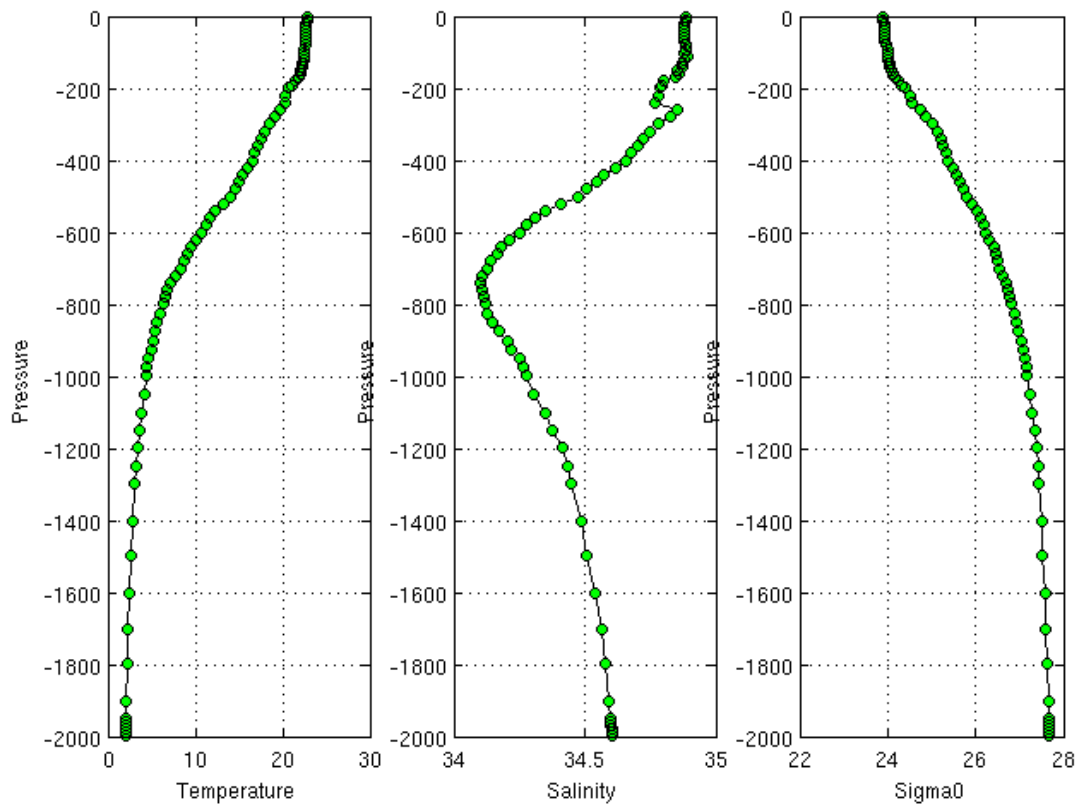
Warning Objective Analysis Anomalies 2014 March TEMP PSAL - DAC JA



DAC\_CODE,PLATFORM\_CODE,CV\_NUMBER,DATE\_UPDATE,DIRECTION,WEB\_URL,PARAMETER,START\_IMMERSION,STOP\_IMMERSION,OLD\_QC,NEW\_QC  
JA,2902501,9,24/02/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32436360> ,PSAL,559.9,660.1,1,4  
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  
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

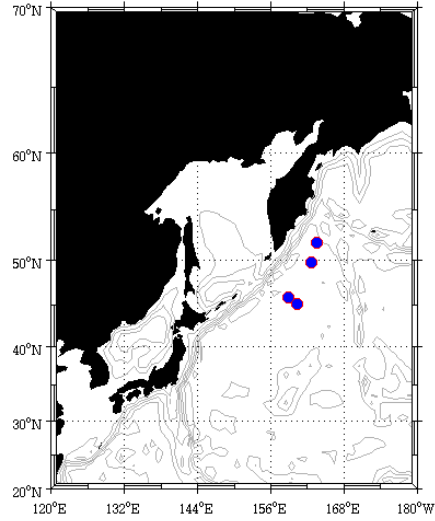
Warning Objective Analysis Anomalies 2014 March TEMP PSAL : DAC JA- Float 2902493-11



## 7. DAC KMA

Profiles detected by the objective analysis: 4

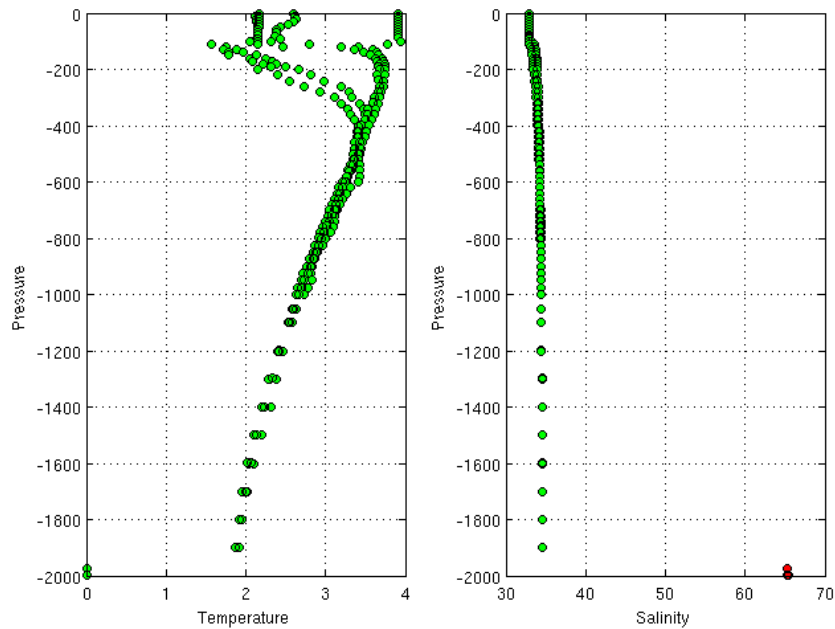
Warning Objective Analysis Anomalies 2014 March



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

Float : 2901712 - Cycle : 21 - PI : Young-Hwa Kim - Data mode : R - INST REF : APEX Profiling Float - Date : 2014 3 1  
Float : 2901713 - Cycle : 18 - PI : Young-Hwa Kim - Data mode : R - INST REF : APEX Profiling Float - Date : 2014 1 30  
Float : 2901714 - Cycle : 18 - PI : Young-Hwa Kim - Data mode : R - INST REF : APEX Profiling Float - Date : 2014 1 31  
Float : 2901716 - Cycle : 21 - PI : Young-Hwa Kim - Data mode : R - INST REF : APEX Profiling Float - Date : 2014 3 3

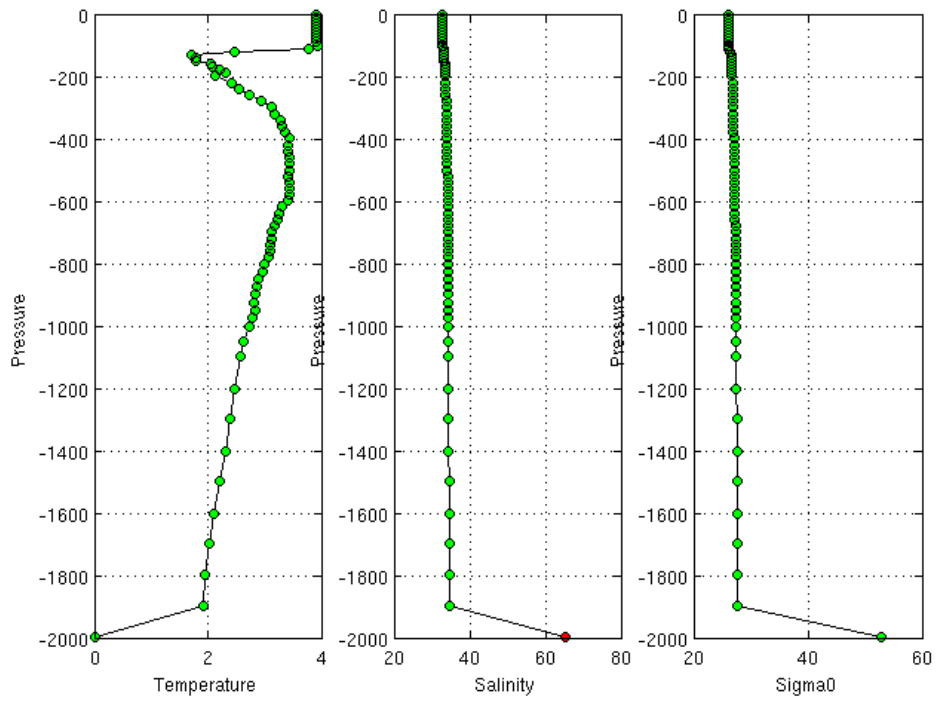
Warning Objective Analysis Anomalies 2014 March TEMP PSAL - DAC KM



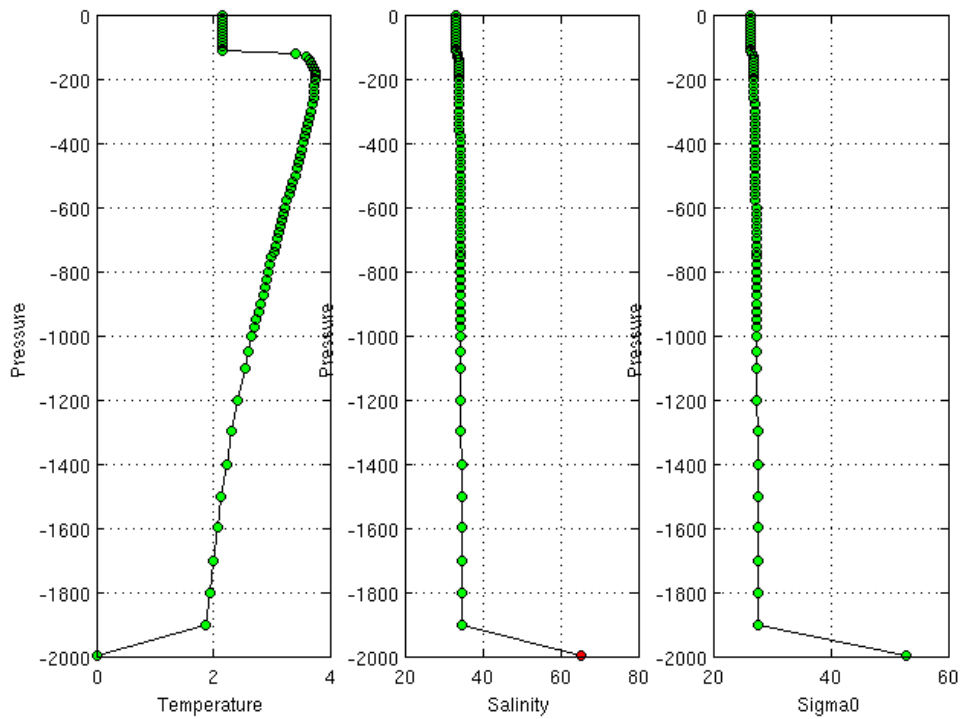
DAC\_CODE,PLATFORM\_CODE,CV\_NUMBER,DATE\_UPDATE,DIRECTION,WEB\_URL,PARAMETER,START\_IMMERSION,STOP\_IMMERSION,OLD\_QC,NEW\_QC  
KM,2901712,21,02/03/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32521744> ,TEMP,1971.9,1971.9,1,4  
KM,2901716,21,03/03/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32521747> ,TEMP,1997.5,1997.5,1,4  
KM,2901713,18,31/01/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32277727> ,TEMP,1997.5,1997.5,1,4  
KM,2901714,18,01/02/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32277728> ,TEMP,1997.5,1997.5,1,4

Example of anomalies:

Warning Objective Analysis Anomalies 2014 March TEMP PSAL : DAC KM- Float 2901713-18

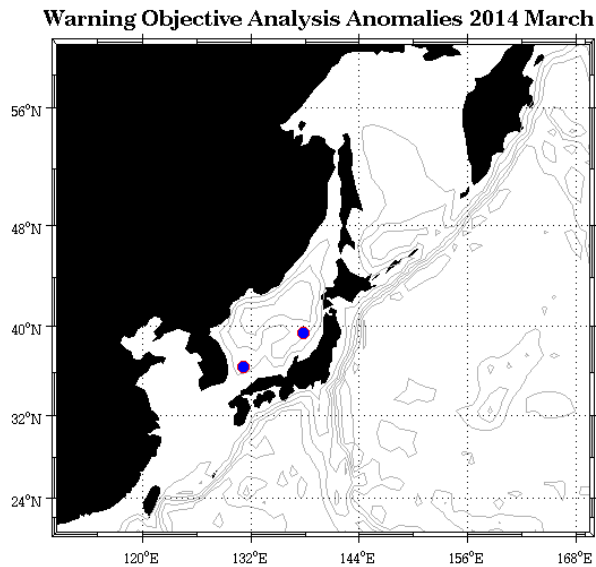


Warning Objective Analysis Anomalies 2014 March TEMP PSAL : DAC KM- Float 2901716-21



## 8. DAC KORDI

Profiles detected by the objective analysis: 2

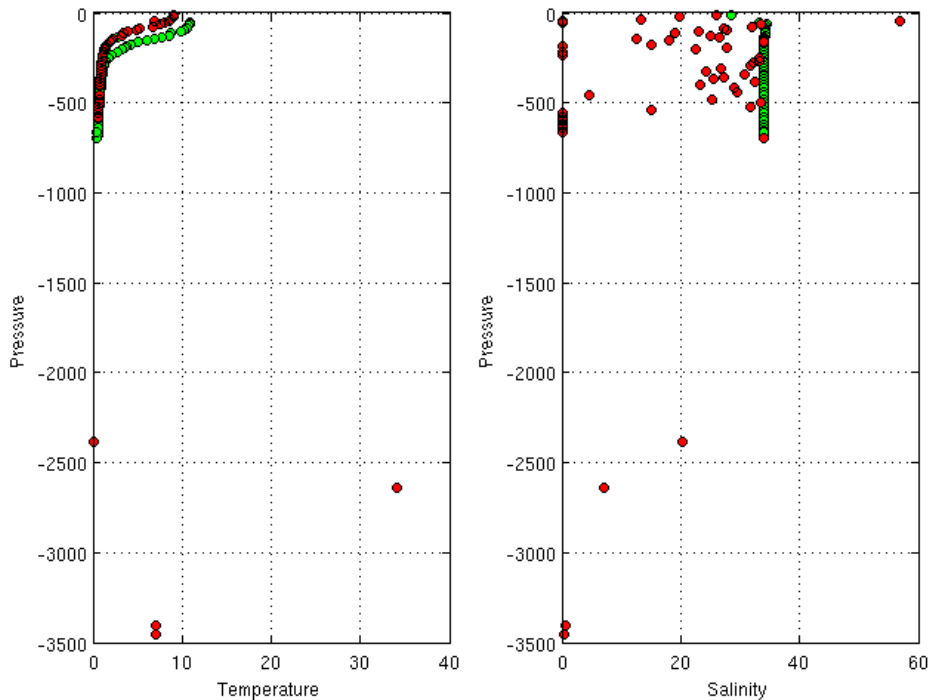


**Status of corrections: Not done, no feedback**

Float : 2900209 - Cycle : 418 - PI : Moon-Sik Suk - Data mode : A - INST REF : APEX-SBE 667 - Date : 2014 2 11

Float : 2900922 - Cycle : 238 - PI : Moon-Sik Suk - Data mode : A - INST REF : APEX-SBE 3436 - Date : 2014 3 17

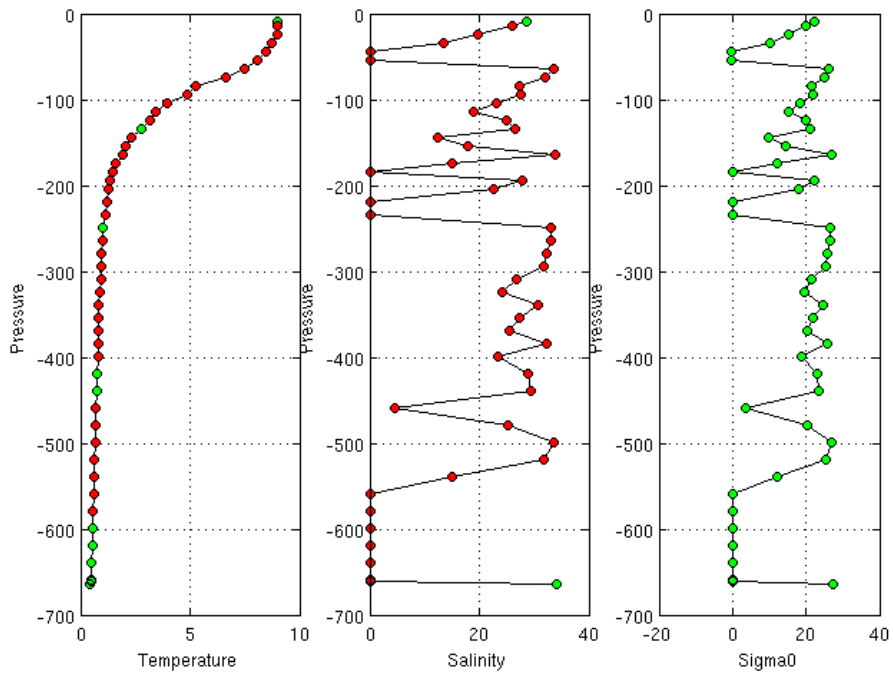
### Warning Objective Analysis Anomalies 2014 March TEMP PSAL - DAC KO



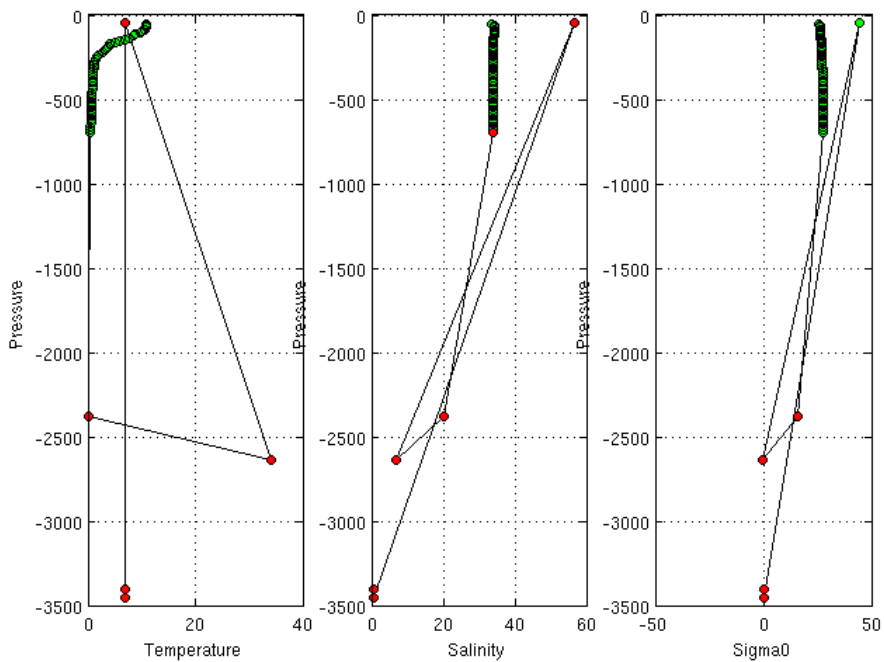
DAC\_CODE,PLATFORM\_CODE,CV\_NUMBER,DATE\_UPDATE,DIRECTION,WEB\_URL,PARAMETER,START\_IMMERSION,STOP\_IMMERSION,OLD\_QC,NEW\_QC  
KO,2900209,418,15/02/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32356752> ,PSAL,9.8,9.8,1,4  
KO,2900209,418,15/02/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32356752> ,PSAL,663.5,663.5,1,4  
KO,2900922,238,18/03/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32632116> ,PSAL,53.8,53.8,1,3

Example of anomalies:

Warning Objective Analysis Anomalies 2014 March TEMP PSAL : DAC KO- Float 2900209-418

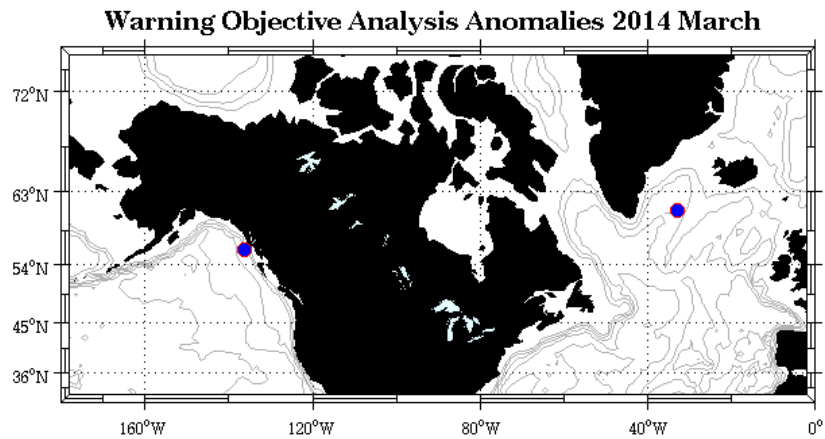


Warning Objective Analysis Anomalies 2014 March TEMP PSAL : DAC KO- Float 2900922-238



## 9. DAC MEDS

Profiles detected by the objective analysis: 2

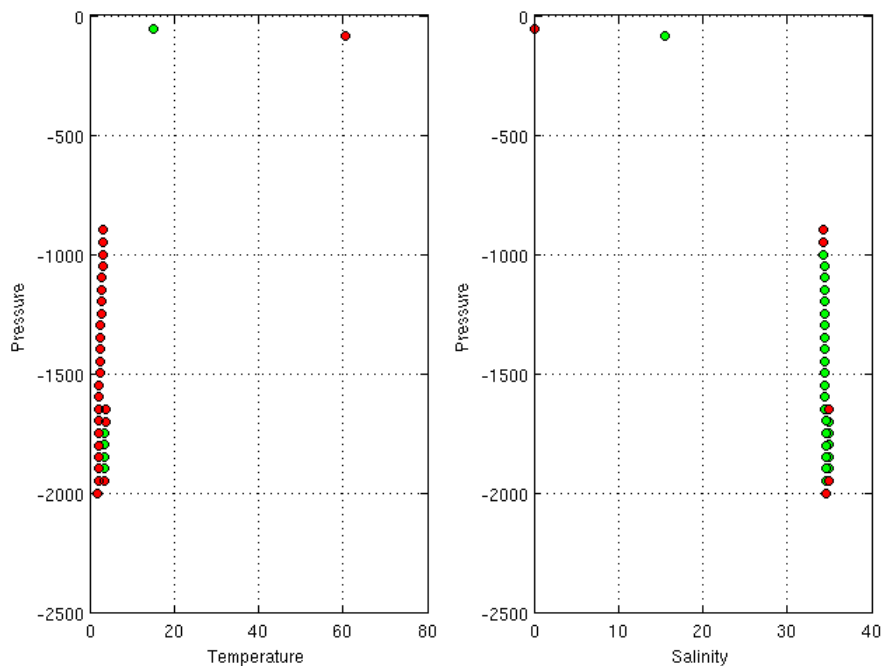


**Status of corrections: NOT DONE, NO FEEDBACK**

Float : 4901133 - Cycle : 175 - PI : Howard Freeland - Data mode : R - INST REF : - Date : 2014 2 26

Float : 4901136 - Cycle : 132 - PI : Denis Gilbert - Data mode : A - INST REF : - Date : 2014 2 8

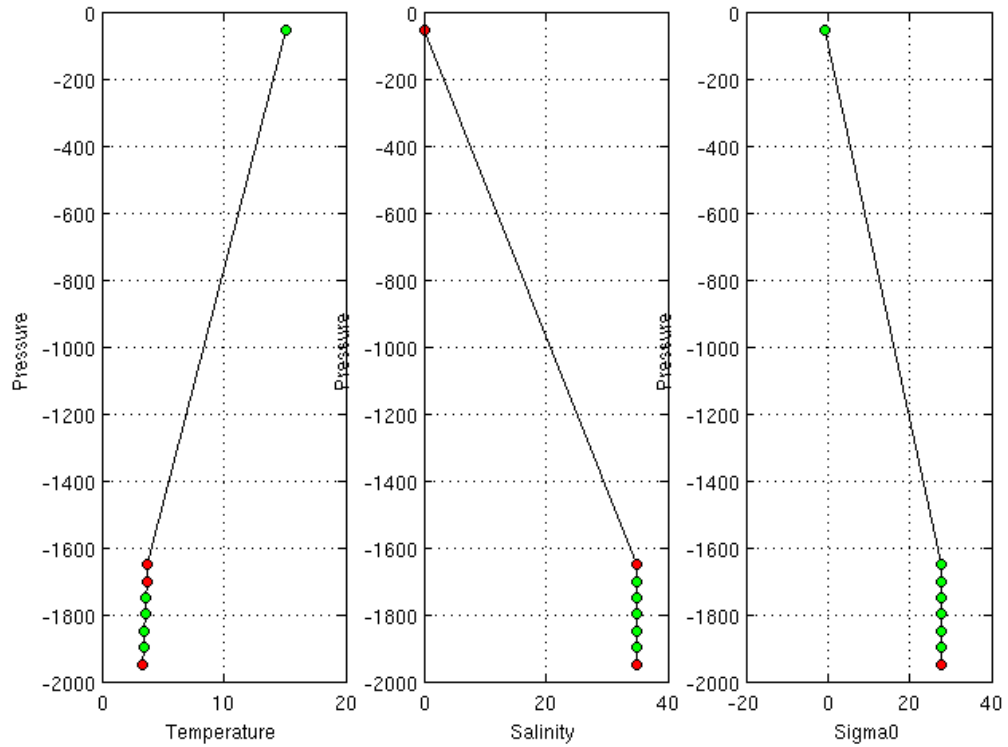
**Warning Objective Analysis Anomalies 2014 March TEMP PSAL - DAC ME**



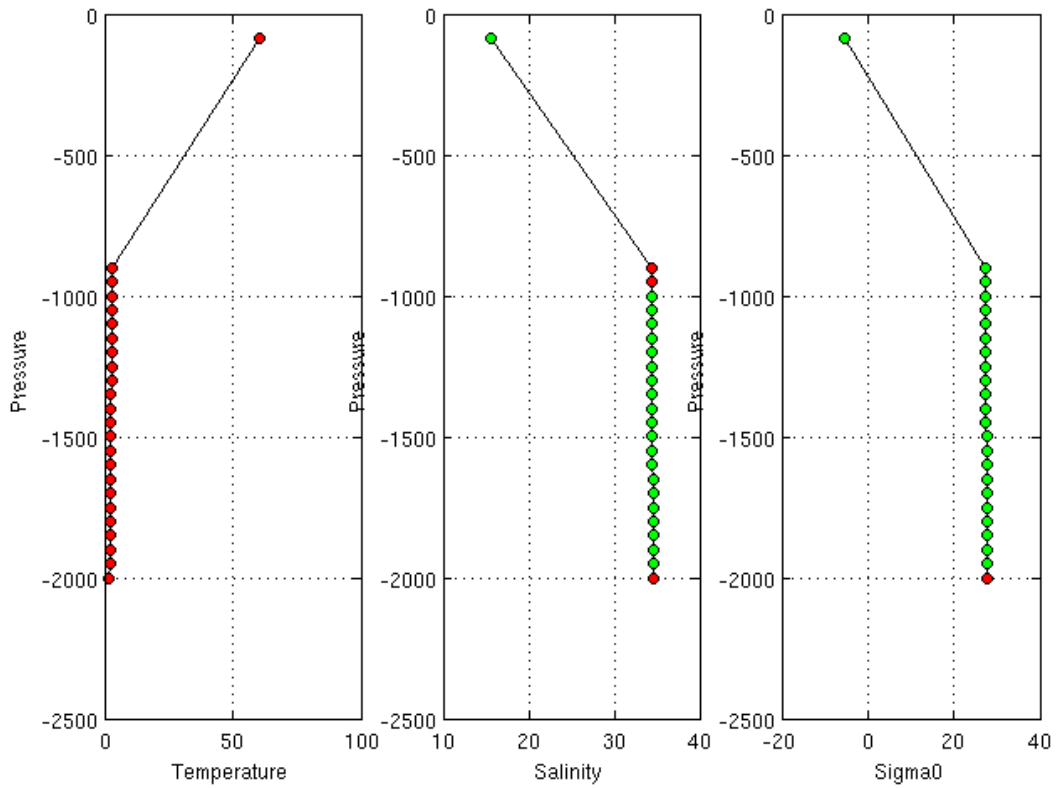
DAC\_CODE,PLATFORM\_CODE,CV\_NUMBER,DATE\_UPDATE,DIRECTION,WEB\_URL,PARAMETER,START\_IMMERSION,STOP\_IMMERSION,OLD\_QC,NEW\_QC  
ME,4901133,175,27/02/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32473250> ,TEMP,55.4,55.4,1,4  
ME,4901136,132,09/02/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32321822> ,PSAL,83.5,83.5,1,4

Example of anomalies:

Warning Objective Analysis Anomalies 2014 March TEMP PSAL : DAC ME- Float 4901133-175



Warning Objective Analysis Anomalies 2014 March TEMP PSAL : DAC ME- Float 4901136-132





## 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 – 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....."

### 11.2. CSIO

**Adjusted value in real time files ok but <param>\_adjusted\_ERROR still empty for PRES, TEMP and PSAL**

**netcdf R5901605\_246 {**



```

}
No Error on PRES_ADJUSTED

PRES_ADJUSTED_ERROR =
-----;

```

No information about calibration done on PRES

```

SCIENTIFIC_CALIB_EQUATION =
"
"
```

## 11.5. 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 :

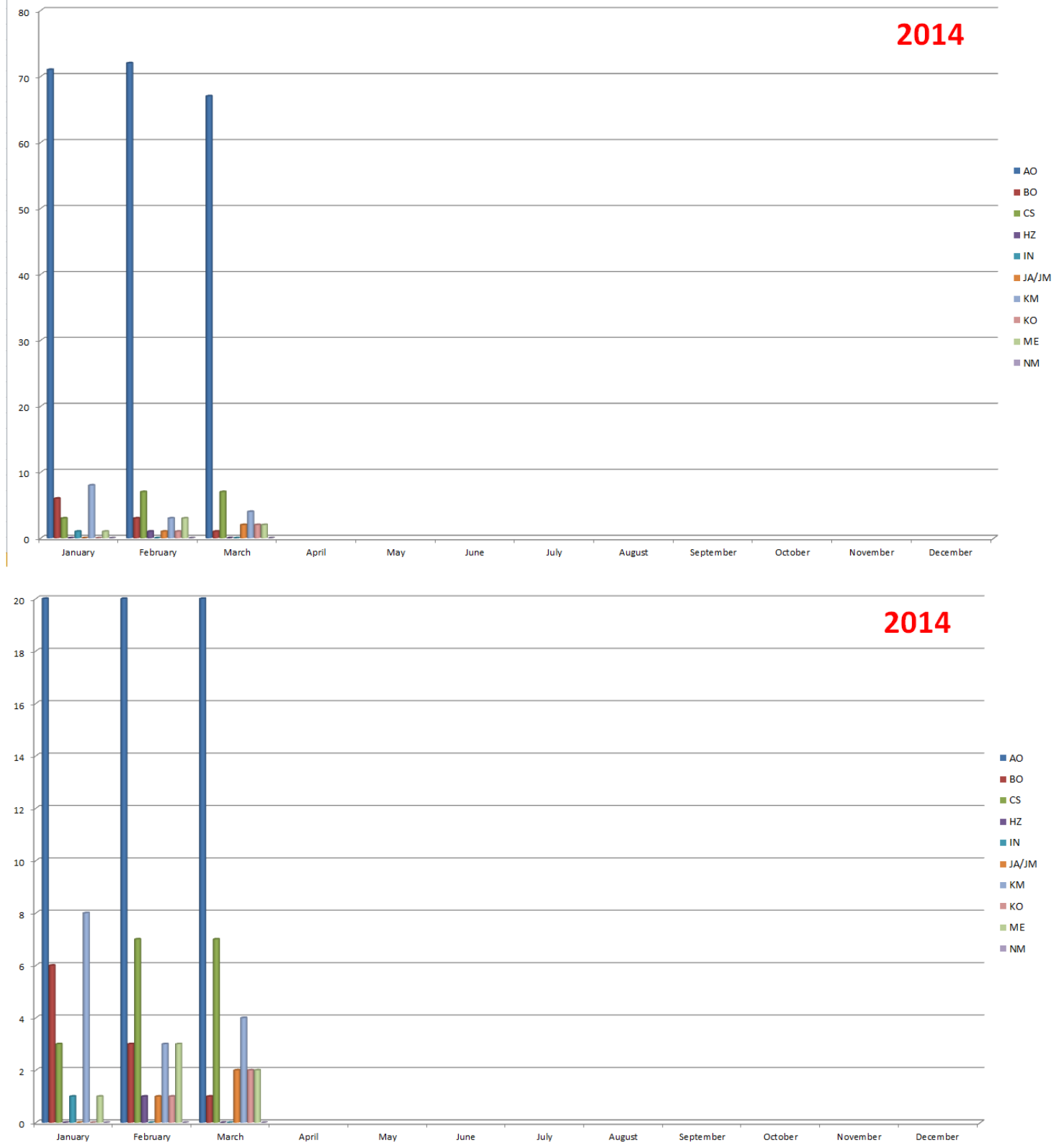
DATA\_MODE = "R" => DATA\_MODE = "D" ;

Name of the files R2901632\_<cycle\_number>.nc => D2901632\_<cycle\_number>.nc

## 12. Statistics

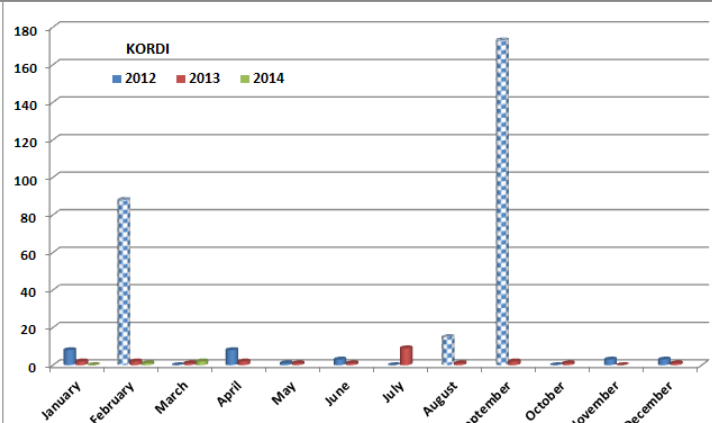
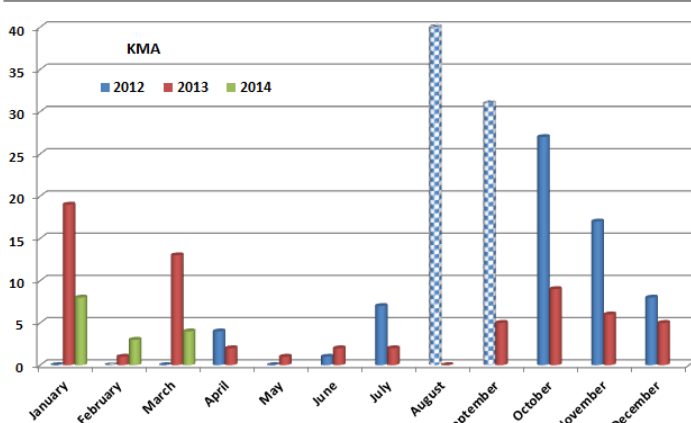
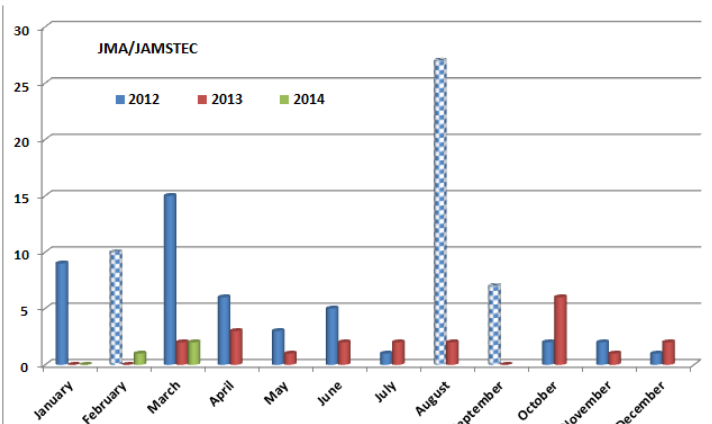
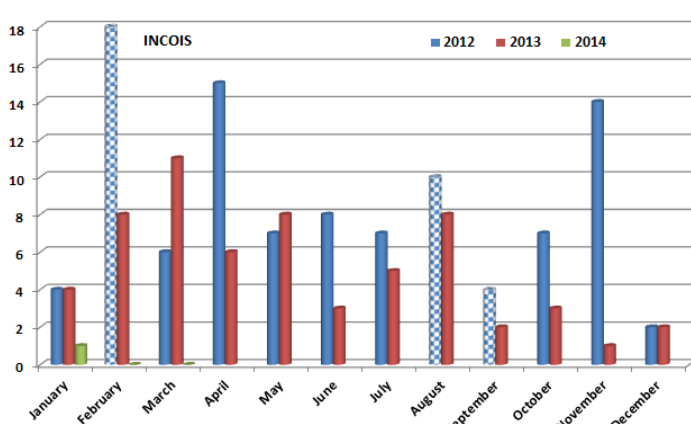
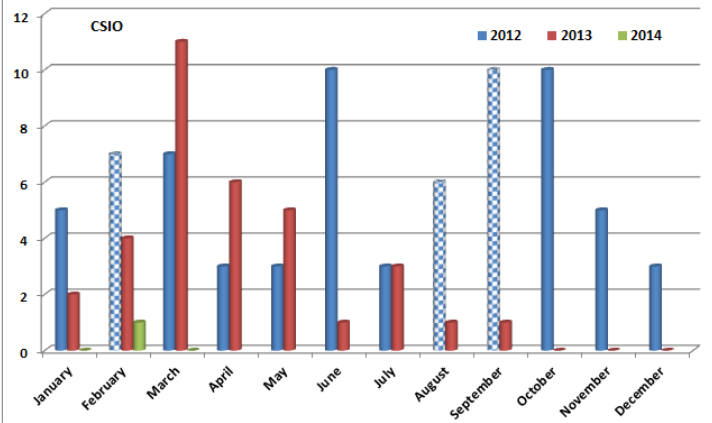
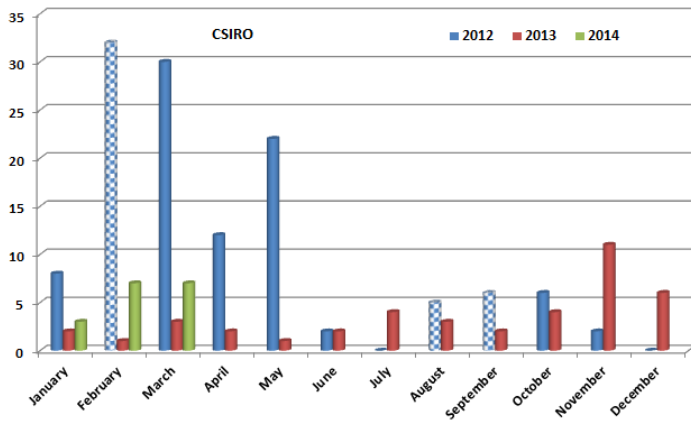
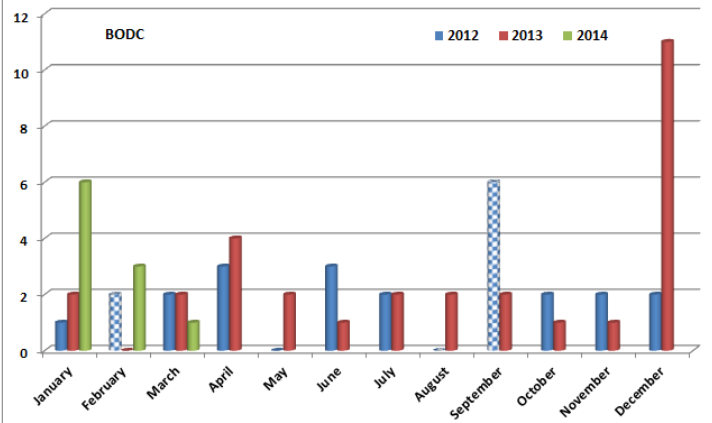
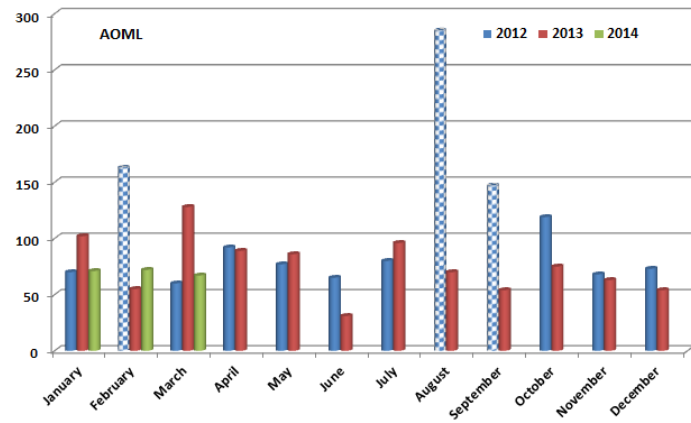
Plots showing evolution of number of anomalies by DAC.

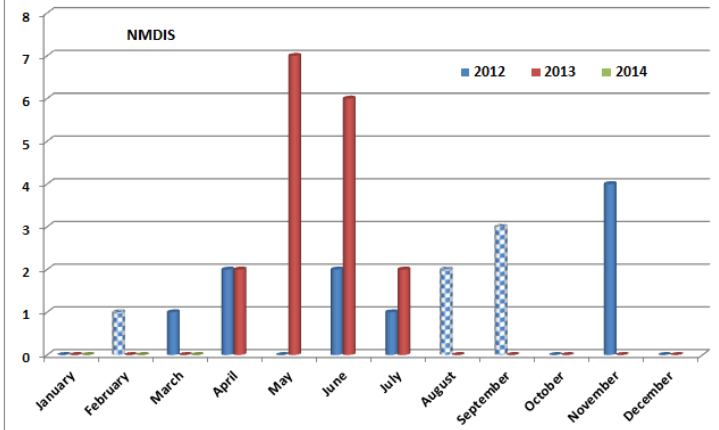
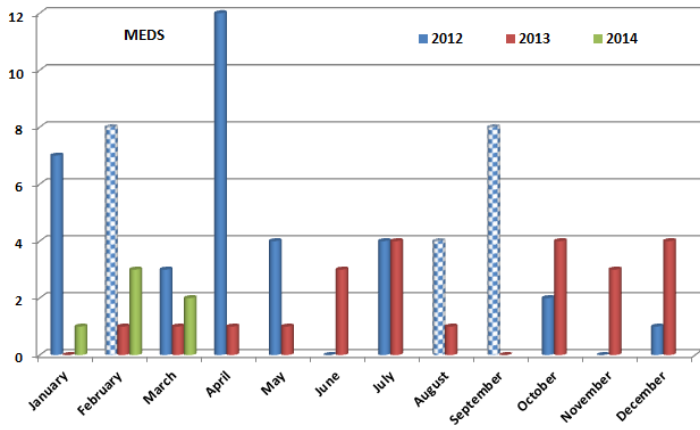
### 12.1. Year



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

## 12.2. DAC





### 12.3. Anomalies by year, by month

