



# Anomalies on Argo profiles

From warning objective analysis, netcdf file analysis

**November 2014**

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**Coriolis**

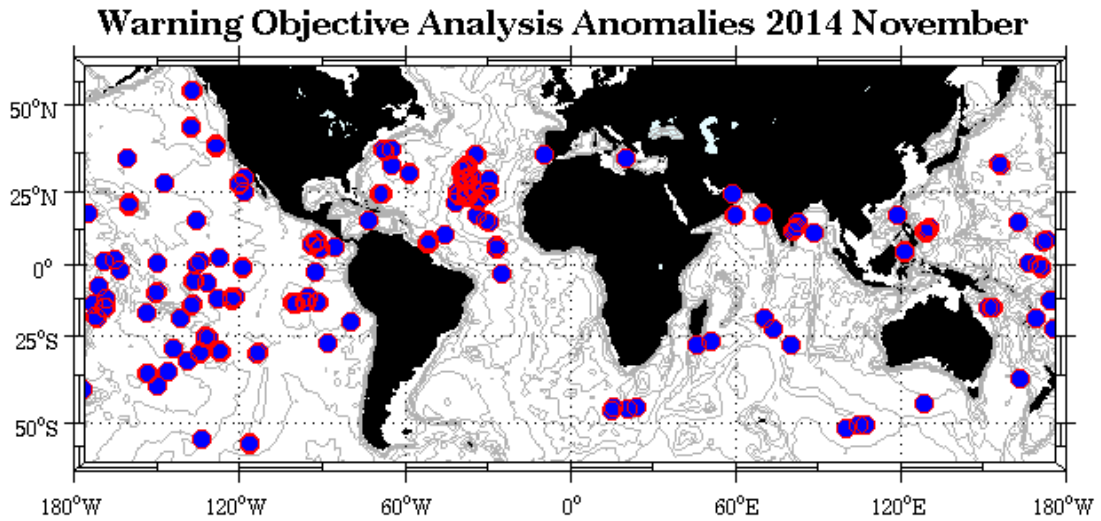
# Anomalies by DAC

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# 1. DAC AOML

Profiles detected by the objective analysis: 268



**Status of corrections: Done for few profiles – still a lot of bad QC no corrected**

**In blue: floats with multiprofiles.**

Float : 1900727 - Cycle : 249 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2014 10 11  
Float : 1900727 - Cycle : 252 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2014 11 10  
Float : 1900954 - Cycle : 57 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2014 11 24  
Float : 1900976 - Cycle : 193 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2014 10 8  
Float : 1900976 - Cycle : 196 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2014 11 9  
Float : 1900976 - Cycle : 197 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2014 11 20  
Float : 1901416 - Cycle : 178 - PI : DEAN ROEMMICH - Data mode : R - INST REF : - Date : 2014 11 5  
Float : 1901416 - Cycle : 180 - PI : DEAN ROEMMICH - Data mode : R - INST REF : - Date : 2014 11 25  
Float : 1901459 - Cycle : 163 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2014 10 29  
Float : 1901504 - Cycle : 126 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2014 10 8  
Float : 1901504 - Cycle : 128 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2014 10 28  
Float : 1901504 - Cycle : 129 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2014 11 7  
Float : 1901504 - Cycle : 130 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2014 11 17  
Float : 1901538 - Cycle : 115 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2014 10 2  
Float : 1901584 - Cycle : 97 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2014 11 6  
Float : 1901694 - Cycle : 44 - PI : BRECK OWENS, STEVE JAYNE, P.E. ROBBINS - Data mode : R - INST REF : - Date : 2014 10 24  
Float : 2901418 - Cycle : 202 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2014 10 2  
Float : 2901418 - Cycle : 209 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2014 10 30  
Float : 2901418 - Cycle : 211 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2014 11 7  
Float : 2901418 - Cycle : 212 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2014 11 11  
Float : 2901450 - Cycle : 141 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2014 11 9  
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Float : 3900571 - Cycle : 293 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2014 11 24  
Float : 3900728 - Cycle : 294 - PI : ROBERT WELLER - Data mode : R - INST REF : - Date : 2014 10 10  
Float : 3900844 - Cycle : 248 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2014 11 2  
Float : 3900844 - Cycle : 250 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2014 11 24  
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Float : 3900845 - Cycle : 250 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2014 11 24  
Float : 3901149 - Cycle : 58 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2014 10 24  
Float : 3901157 - Cycle : 61 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2014 11 19  
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Float : 4900853 - Cycle : 216 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2014 10 17  
Float : 4900853 - Cycle : 218 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2014 11 7  
Float : 4901061 - Cycle : 156 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2014 10 7  
Float : 4901213 - Cycle : 152 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2014 11 20  
Float : 4901456 - Cycle : 53 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2014 11 8  
Float : 4901549 - Cycle : 67 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2014 11 11  
Float : 4901568 - Cycle : 8 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2014 11 25





























































































































































































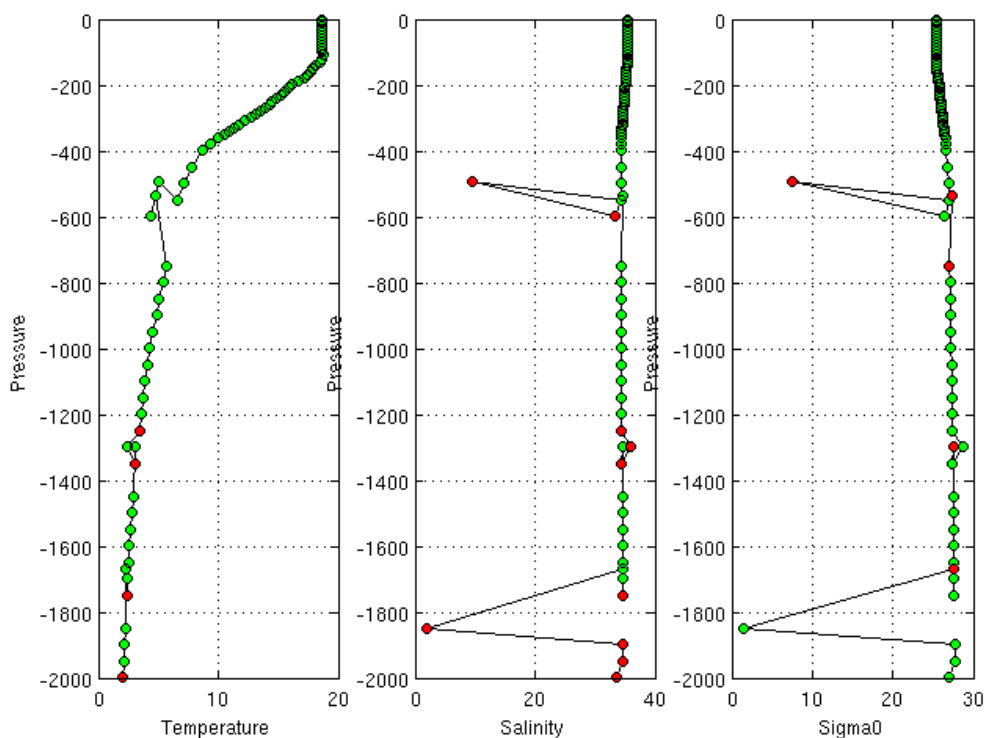


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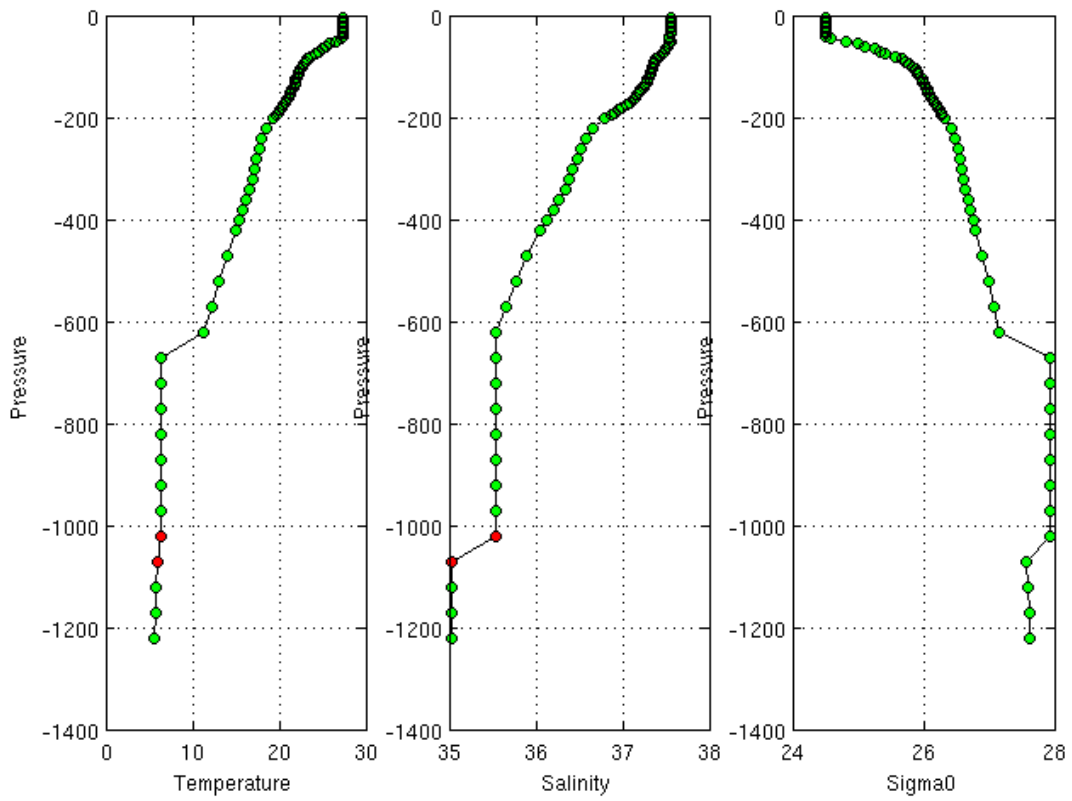
**APEX to put on the grey list:**

Example of corrections:

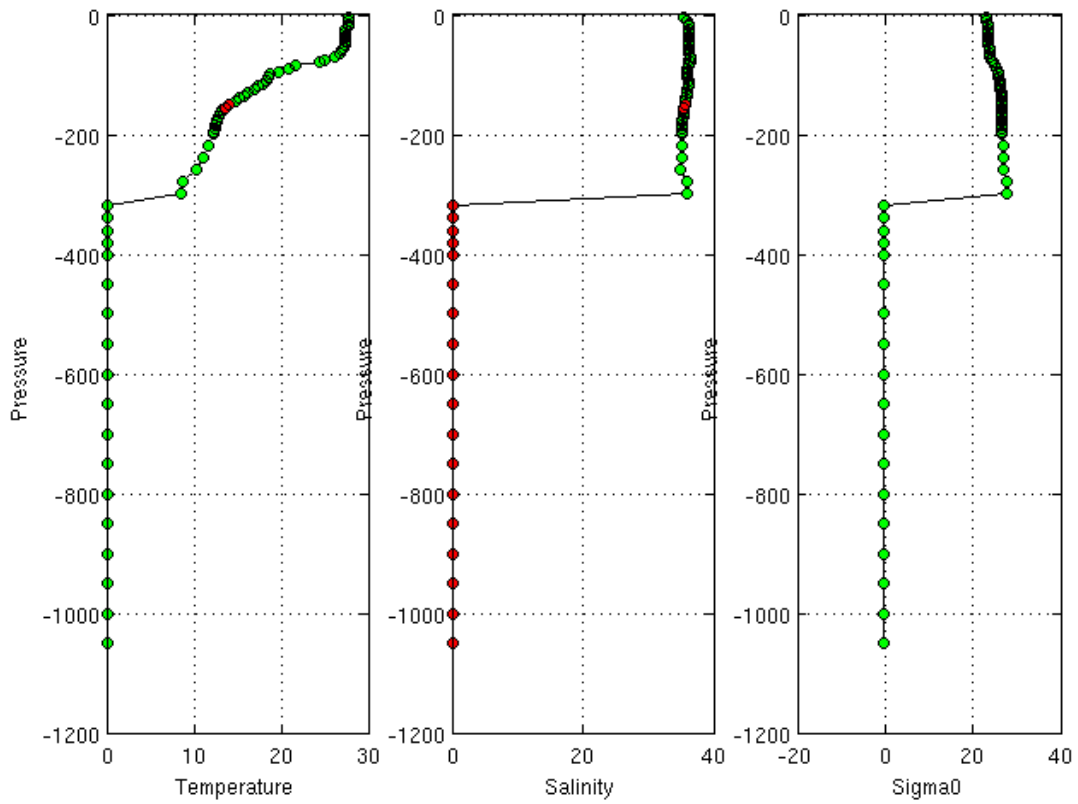
**Warning Objective Analysis Anomalies 2014 November TEMP PSAL : DAC AO- Float 1900727-249**



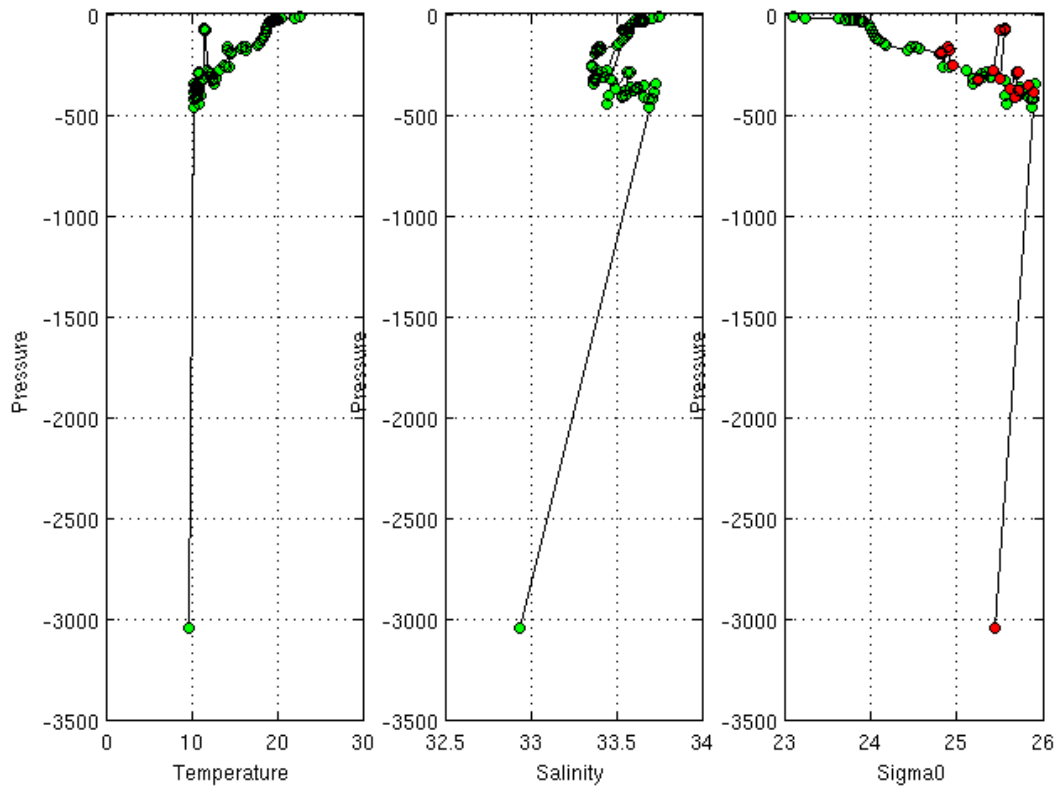
Warning Objective Analysis Anomalies 2014 November TEMP PSAL : DAC AO- Float 1901459-163



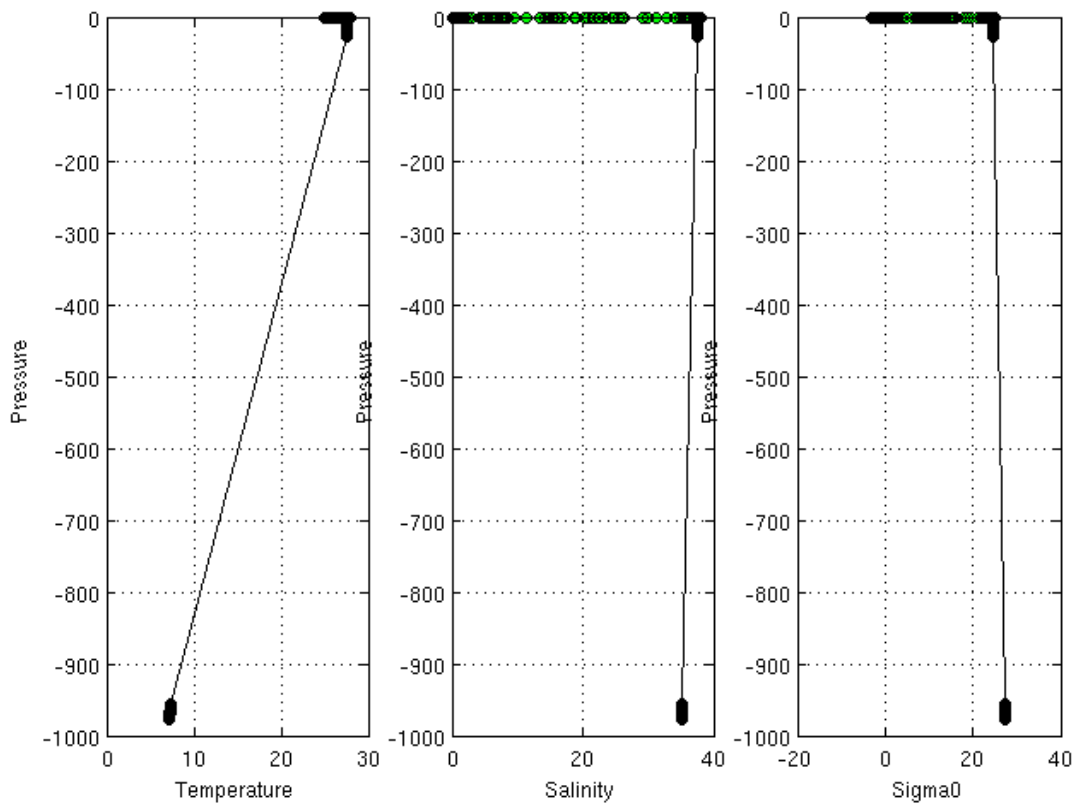
Warning Objective Analysis Anomalies 2014 November TEMP PSAL : DAC AO- Float 1901504-130



Warning Objective Analysis Anomalies 2014 November TEMP PSAL : DAC AO- Float 4900853-215



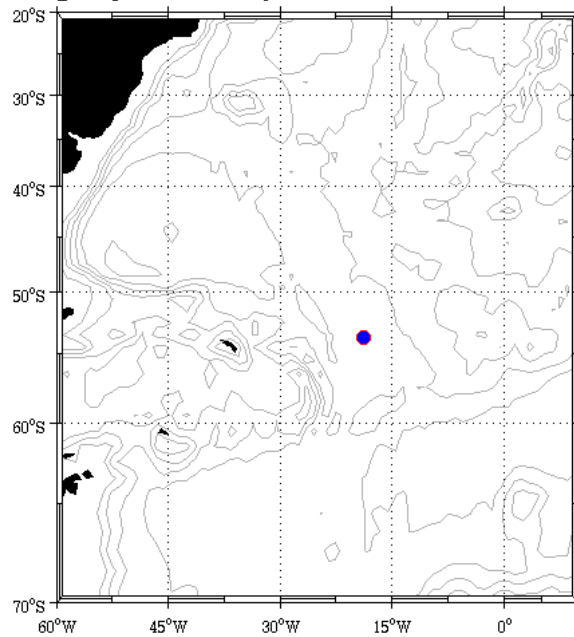
Warning Objective Analysis Anomalies 2014 November TEMP PSAL : DAC AO- Float 5904004-111



## 2. DAC BODC

Profiles detected by the objective analysis: 1

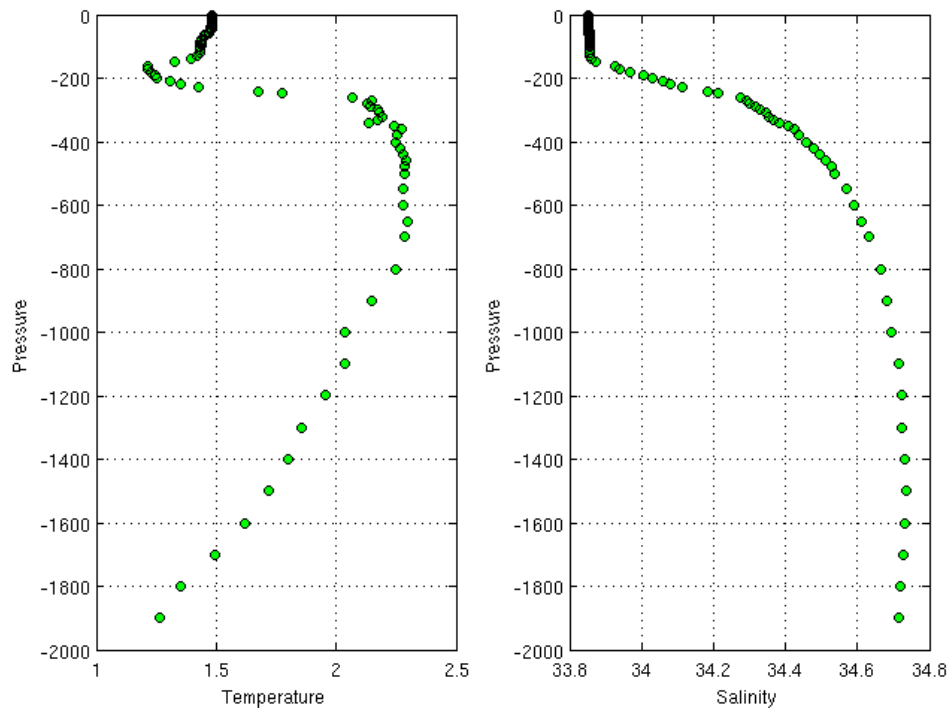
### Warning Objective Analysis Anomalies 2014 November



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

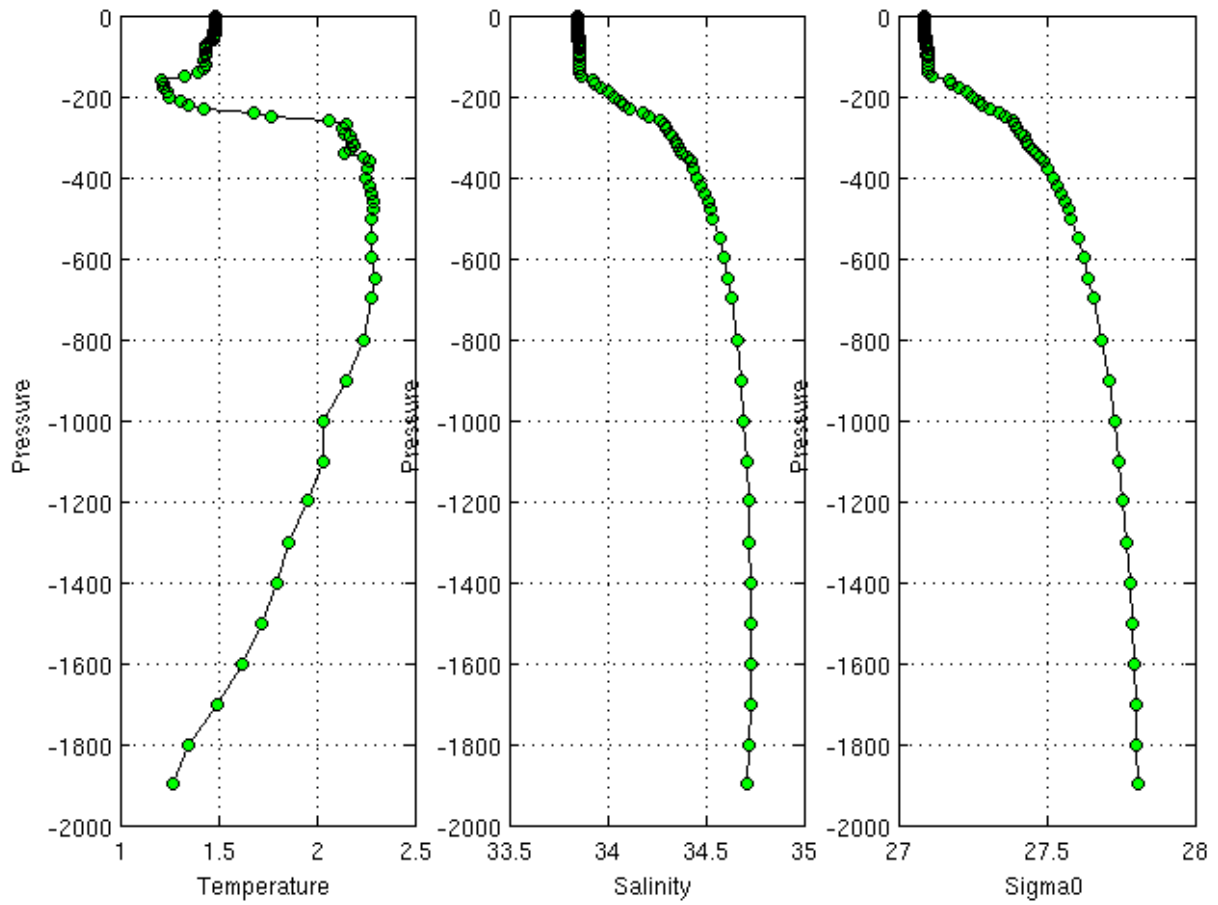
Float : 1901276 - Cycle : 108 - PI : Jon Turton - Data mode : R - INST REF : APEX-SBE 4900 - Date : 2014 11 4

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



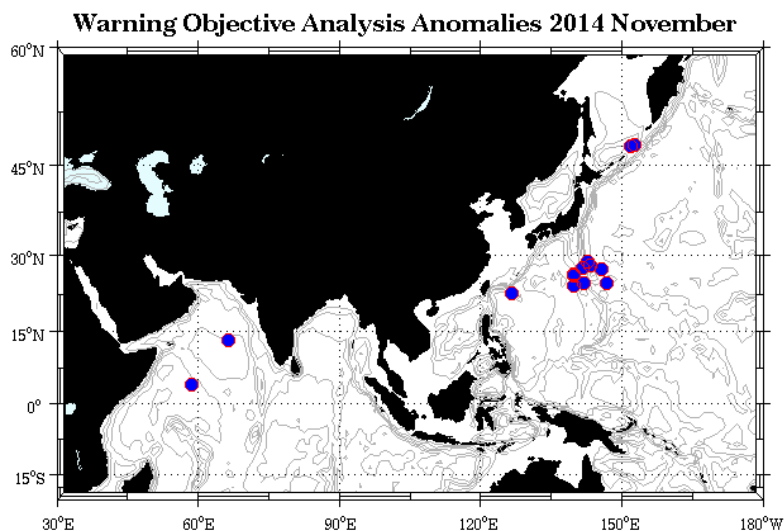
DAC\_CODE,PLATFORM\_CODE,CV\_NUMBER,DATE\_UPDATE,DIRECTION,WEB\_URL,PARAMETER,START\_IMMERSION,STOP\_IMMERSION,OLD\_QC,NEW\_QC  
BO,1901276,108,05/11/2014 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=35000203> ,TEMP,30.8,30.8,1,4

Example of corrections:



### 3. DAC CSIO

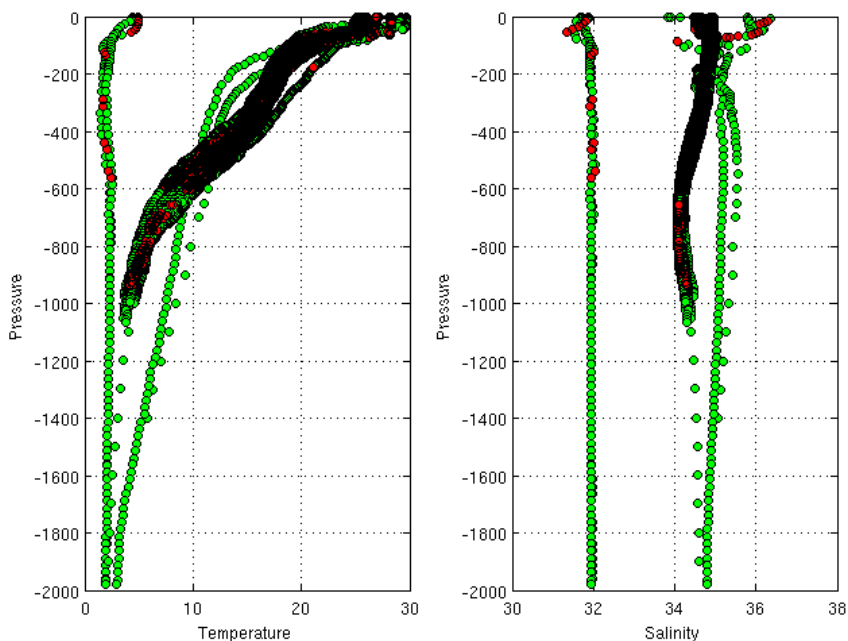
Profiles detected by the objective analysis: 14



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

Float : 2901494 - Cycle : 174 - PI : JIANPING XU - Data mode : A - INST REF : - Date : 2014 10 2  
Float : 2901509 - Cycle : 270 - PI : JIANPING XU - Data mode : A - INST REF : - Date : 2014 10 26  
Float : 2901552 - Cycle : 211 - PI : Shangping Xie - Data mode : A - INST REF : - Date : 2014 10 24  
Float : 2901554 - Cycle : 213 - PI : Shangping Xie - Data mode : A - INST REF : - Date : 2014 10 26  
Float : 2901559 - Cycle : 210 - PI : Shangping Xie - Data mode : A - INST REF : - Date : 2014 10 23  
Float : 2901561 - Cycle : 209 - PI : Shangping Xie - Data mode : A - INST REF : - Date : 2014 10 22  
Float : 2901561 - Cycle : 210 - PI : Shangping Xie - Data mode : A - INST REF : - Date : 2014 10 23  
Float : 2901562 - Cycle : 209 - PI : Shangping Xie - Data mode : A - INST REF : - Date : 2014 10 22  
Float : 2901565 - Cycle : 208 - PI : Shangping Xie - Data mode : A - INST REF : - Date : 2014 10 22  
Float : 2901565 - Cycle : 212 - PI : Shangping Xie - Data mode : A - INST REF : - Date : 2014 10 26  
Float : 2901566 - Cycle : 208 - PI : Shangping Xie - Data mode : A - INST REF : - Date : 2014 10 22  
Float : 2902561 - Cycle : 44 - PI : ZENGHONG LIU - Data mode : A - INST REF : - Date : 2014 11 3  
Float : 2902590 - Cycle : 10 - PI : ZENGHONG LIU - Data mode : A - INST REF : - Date : 2014 10 26  
Float : 2902590 - Cycle : 11 - PI : ZENGHONG LIU - Data mode : A - INST REF : - Date : 2014 11 4

Warning Objective Analysis Anomalies 2014 November TEMP PSAL - DAC HZ































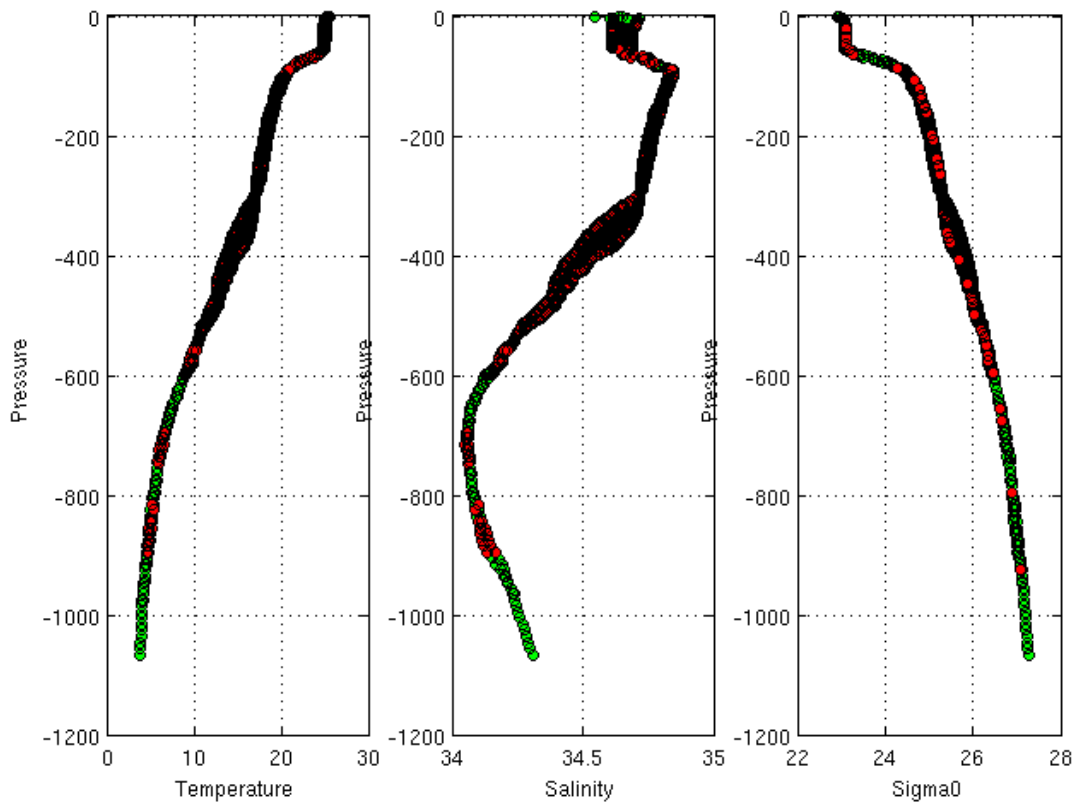




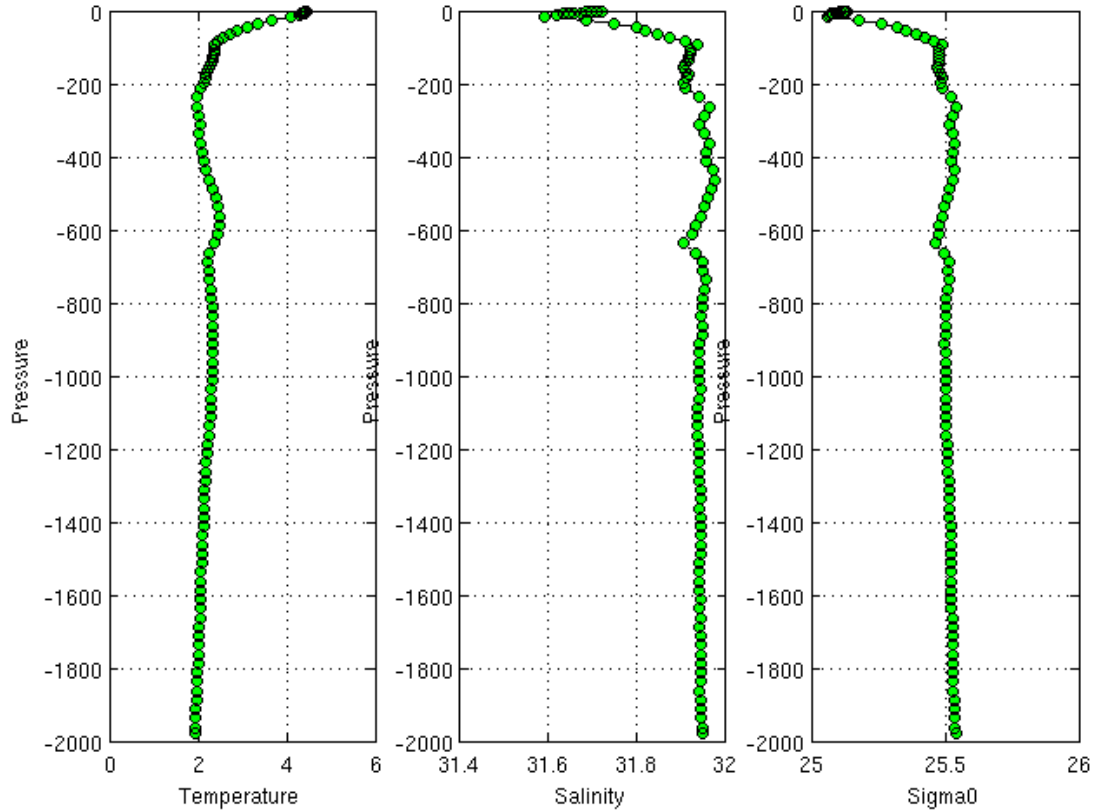




Warning Objective Analysis Anomalies 2014 November TEMP PSAL : DAC HZ- Float 2901554-213



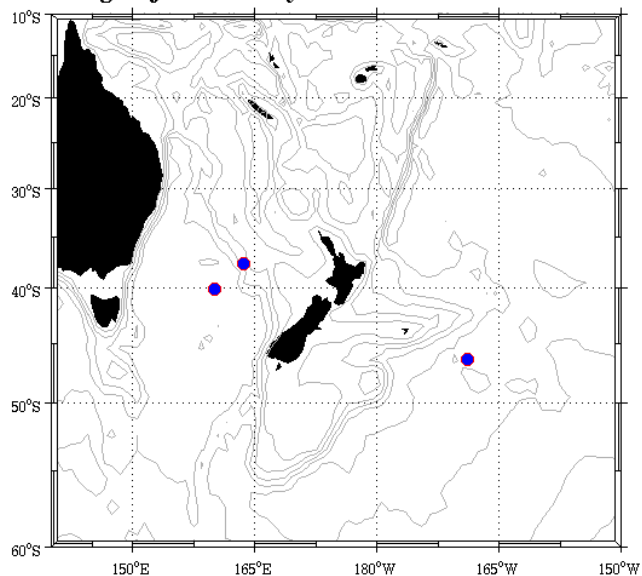
Warning Objective Analysis Anomalies 2014 November TEMP PSAL : DAC HZ- Float 2902590-10



## 4. DAC CSIRO

Profiles detected by the objective analysis: 3

Warning Objective Analysis Anomalies 2014 November



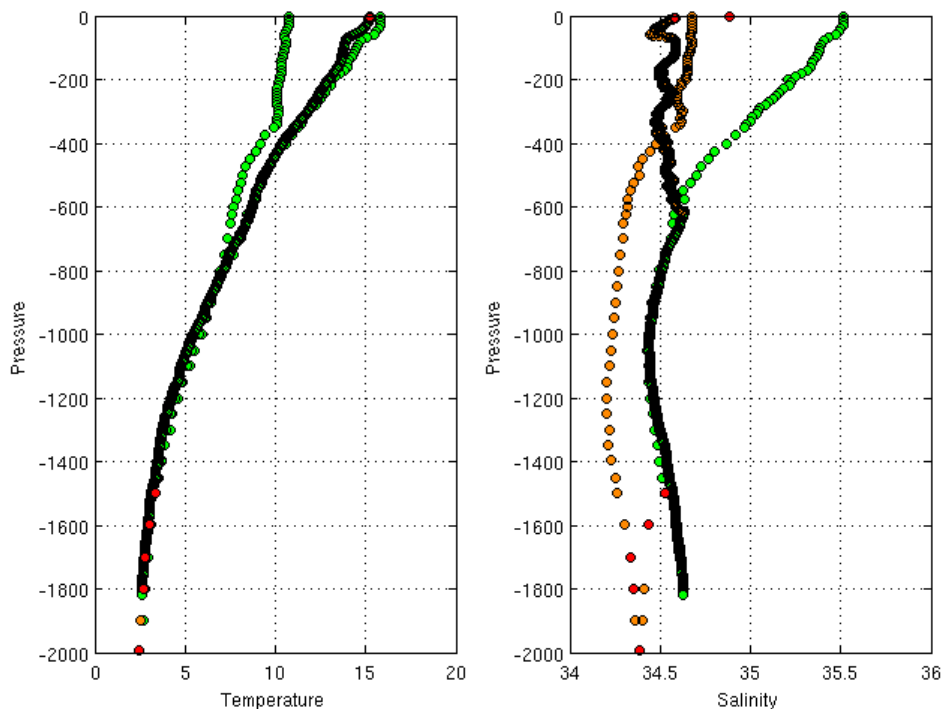
**Status of corrections: DONE with feedback**

Float : 5903647 - Cycle : 141 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2014 10 20

Float : 5903653 - Cycle : 139 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2014 11 15

Float : 5904261 - Cycle : 45 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2014 10 27

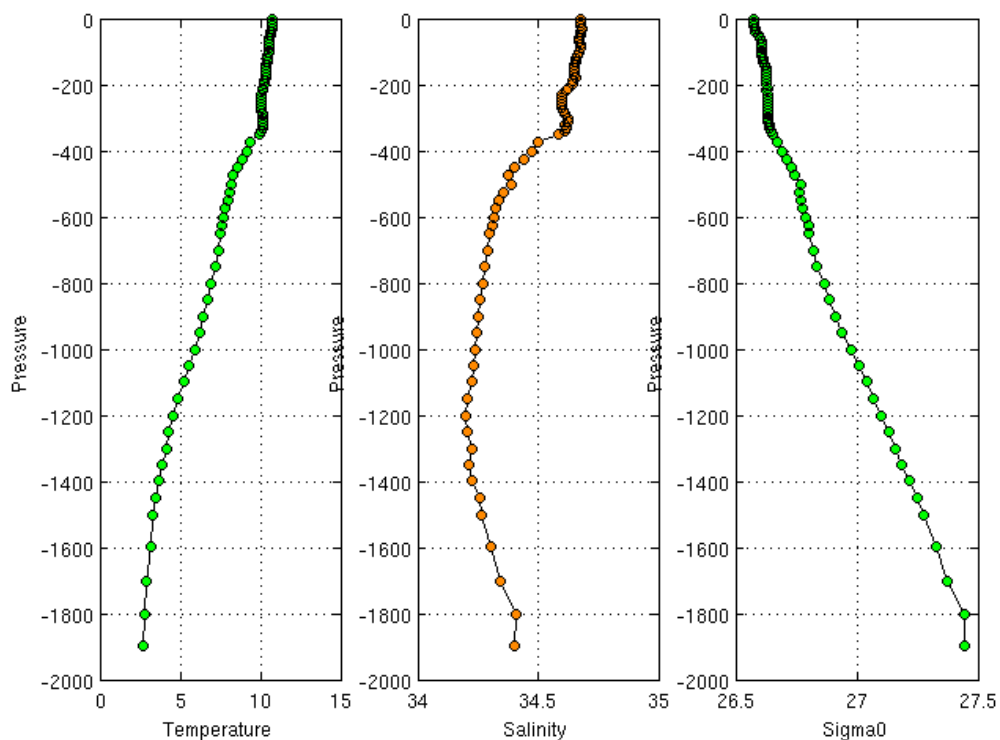
Warning Objective Analysis Anomalies 2014 November TEMP PSAL - DAC CS



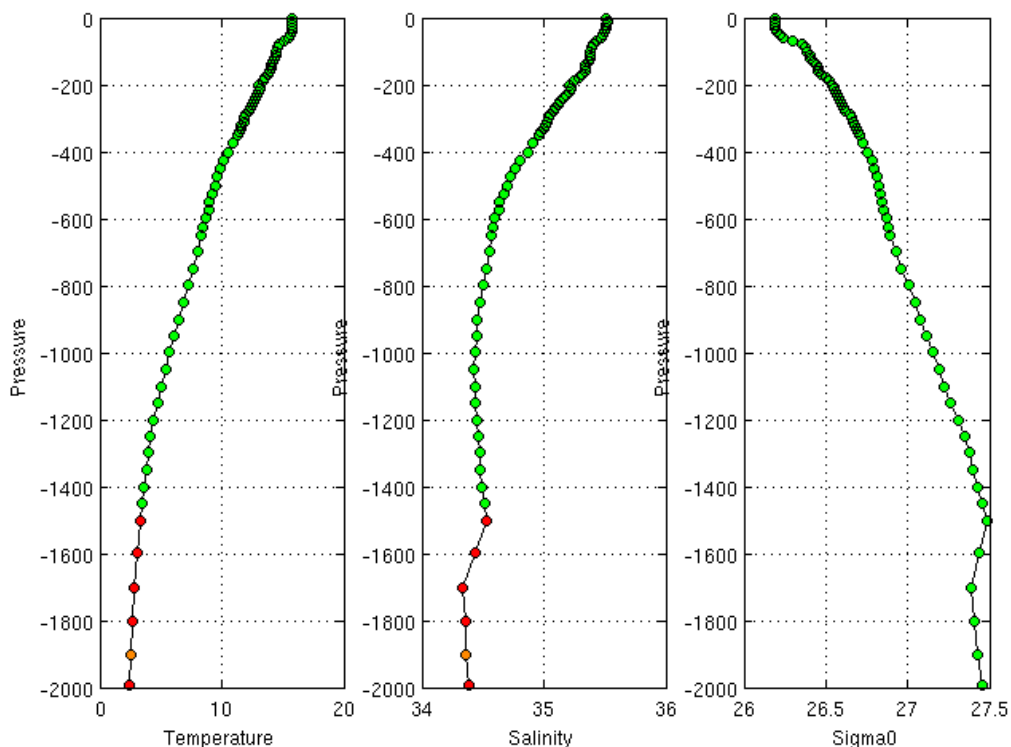
DAC\_CODE,PLATFORM\_CODE,CV\_NUMBER,DATE\_UPDATE,DIRECTION,WEB\_URL,PARAMETER,START\_IMMERSION,STOP\_IMMERSION,OLD\_QC,NEW\_QC  
CS,5903647,141,23/10/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34511801 ,PSAL,3.8,1899.8,1,3  
CS,5904261,45,28/10/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34576079 ,PSAL,9.9,614,1,4  
CS,5903653,139,18/11/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=35104582 ,PSAL,1900.1,1900.1,1,3

Example of corrections:

Warning Objective Analysis Anomalies 2014 November TEMP PSAL : DAC CS- Float 5903647-141



Warning Objective Analysis Anomalies 2014 November TEMP PSAL : DAC CS- Float 5903653-139

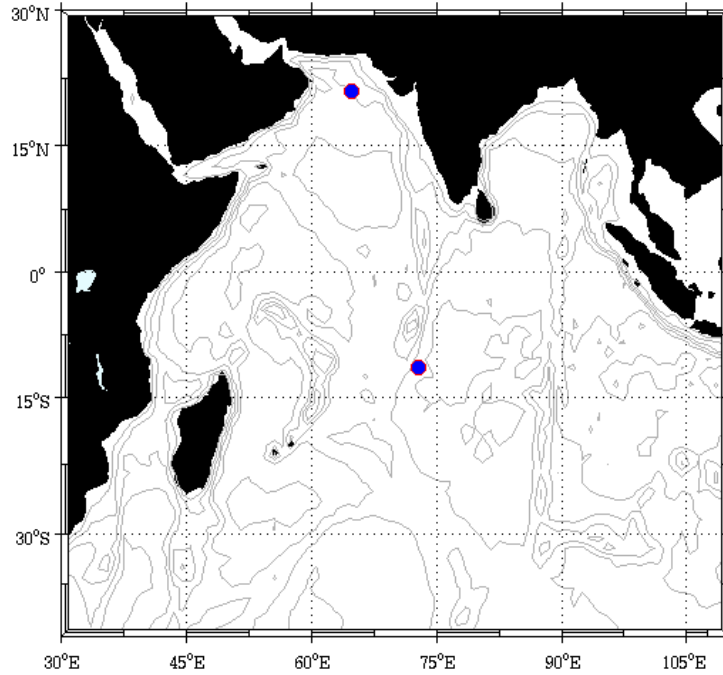




## 5. DAC INCOIS

Profiles detected by the objective analysis: 2

### Warning Objective Analysis Anomalies 2014 November



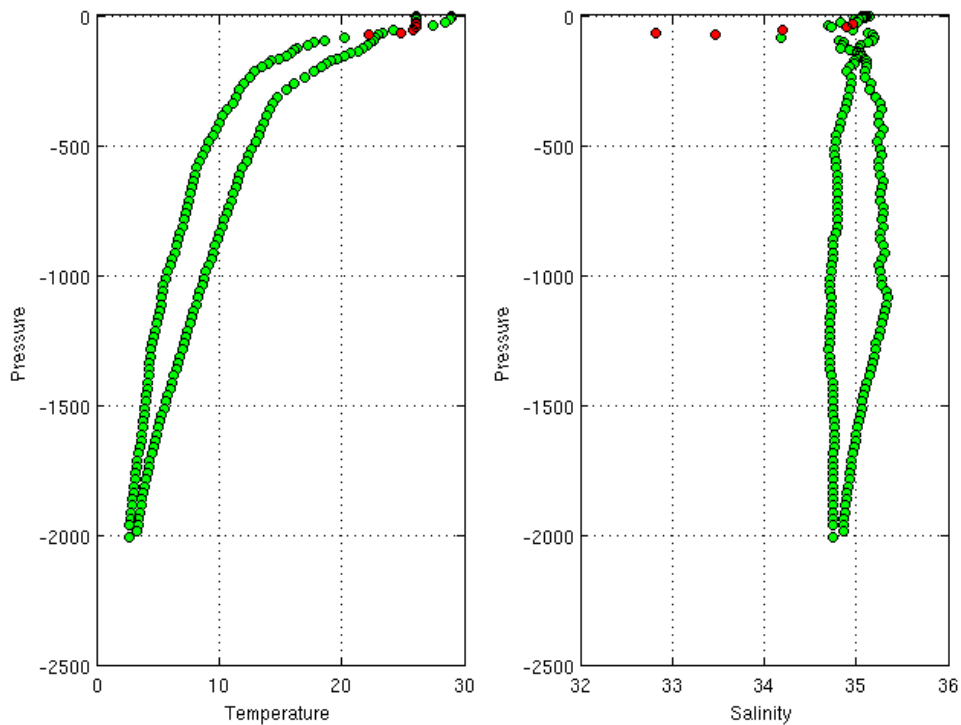
**Status of corrections:** ~~Not done, no feedback~~ – Floats PROVOR/ARVOR : done by Coriolis

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

Float : 2902101 - Cycle : 45 - PI : M Ravichandran - Data mode : A - INST REF : ARVOR - Date : 2014 9 29

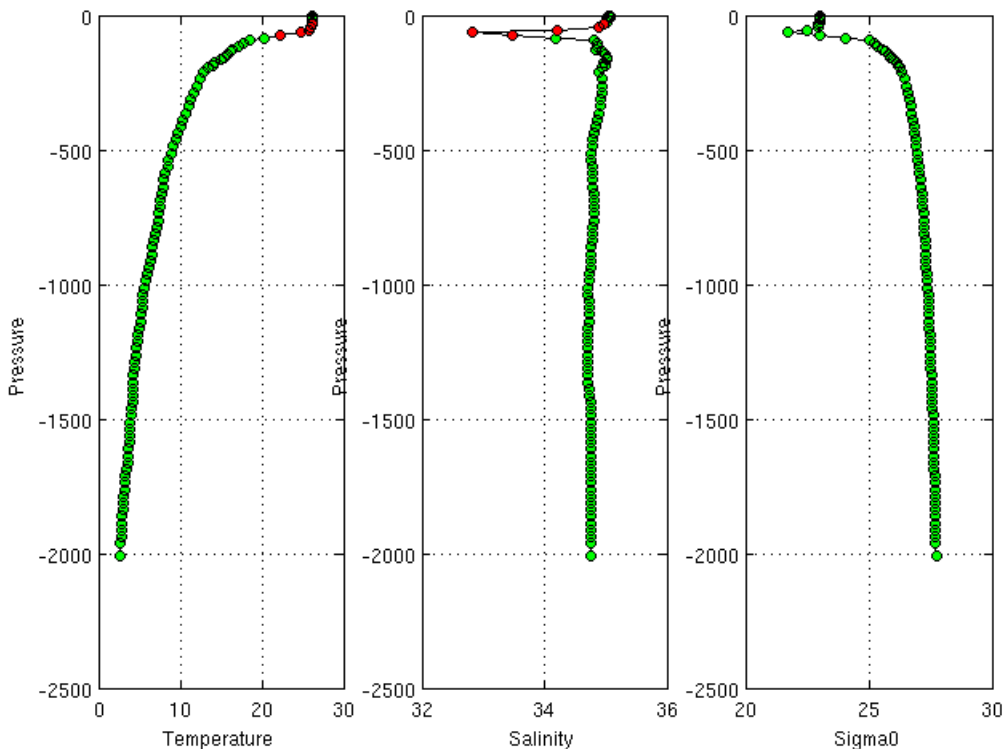
Float : 2902133 - Cycle : 17 - PI : M Ravichandran - Data mode : A - INST REF : ARVOR - Date : 2014 10 26

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



Example of corrections:

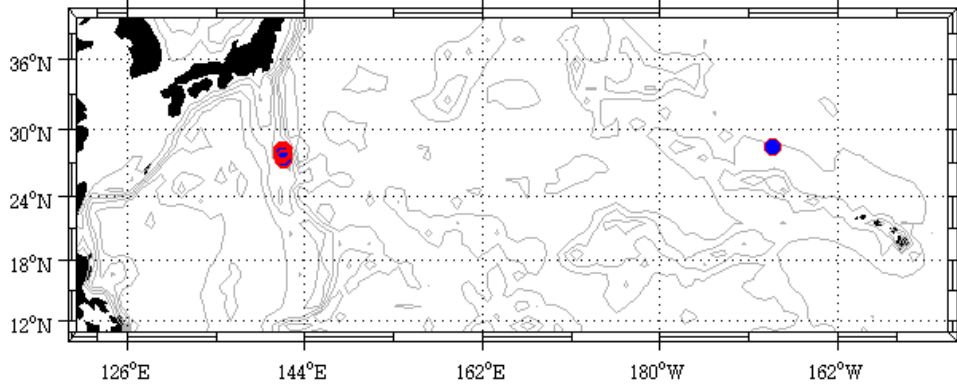
Warning Objective Analysis Anomalies 2014 November TEMP PSAL : DAC IN- Float 2902101-45



## 6. DAC JMA/JAMSTEC

Profiles detected by the objective analysis: 11

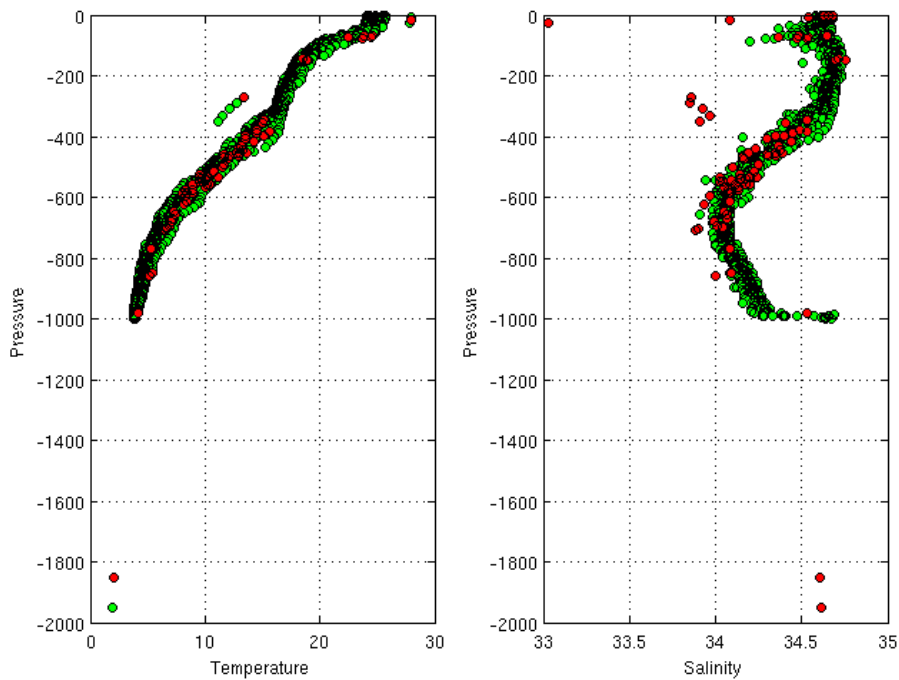
### Warning Objective Analysis Anomalies 2014 November



**Status of corrections:** Done for some profiles, no feedback

Float : 2902416 - Cycle : 12 - PI : Satoshi Mitarai - Data mode : A - INST REF : NEMO-SBE 259 - Date : 2014 10 17  
 Float : 2902416 - Cycle : 13 - PI : Satoshi Mitarai - Data mode : A - INST REF : NEMO-SBE 259 - Date : 2014 10 20  
 Float : 2902416 - Cycle : 14 - PI : Satoshi Mitarai - Data mode : A - INST REF : NEMO-SBE 259 - Date : 2014 10 23  
 Float : 2902416 - Cycle : 15 - PI : Satoshi Mitarai - Data mode : A - INST REF : NEMO-SBE 259 - Date : 2014 10 26  
 Float : 2902416 - Cycle : 17 - PI : Satoshi Mitarai - Data mode : A - INST REF : NEMO-SBE 259 - Date : 2014 11 1  
 Float : 2902416 - Cycle : 18 - PI : Satoshi Mitarai - Data mode : A - INST REF : NEMO-SBE 259 - Date : 2014 11 4  
 Float : 2902416 - Cycle : 19 - PI : Satoshi Mitarai - Data mode : A - INST REF : NEMO-SBE 259 - Date : 2014 11 7  
 Float : 2902416 - Cycle : 20 - PI : Satoshi Mitarai - Data mode : A - INST REF : NEMO-SBE 259 - Date : 2014 11 10  
 Float : 2902416 - Cycle : 21 - PI : Satoshi Mitarai - Data mode : A - INST REF : NEMO-SBE 259 - Date : 2014 11 13  
 Float : 2902416 - Cycle : 25 - PI : Satoshi Mitarai - Data mode : A - INST REF : NEMO-SBE 259 - Date : 2014 11 25  
 Float : 4901692 - Cycle : 69 - PI : JAMSTEC - Data mode : R - INST REF : ARVOR-SBE 11019 - Date : 2014 9 30

### Warning Objective Analysis Anomalies 2014 November TEMP PSAL - DAC JA

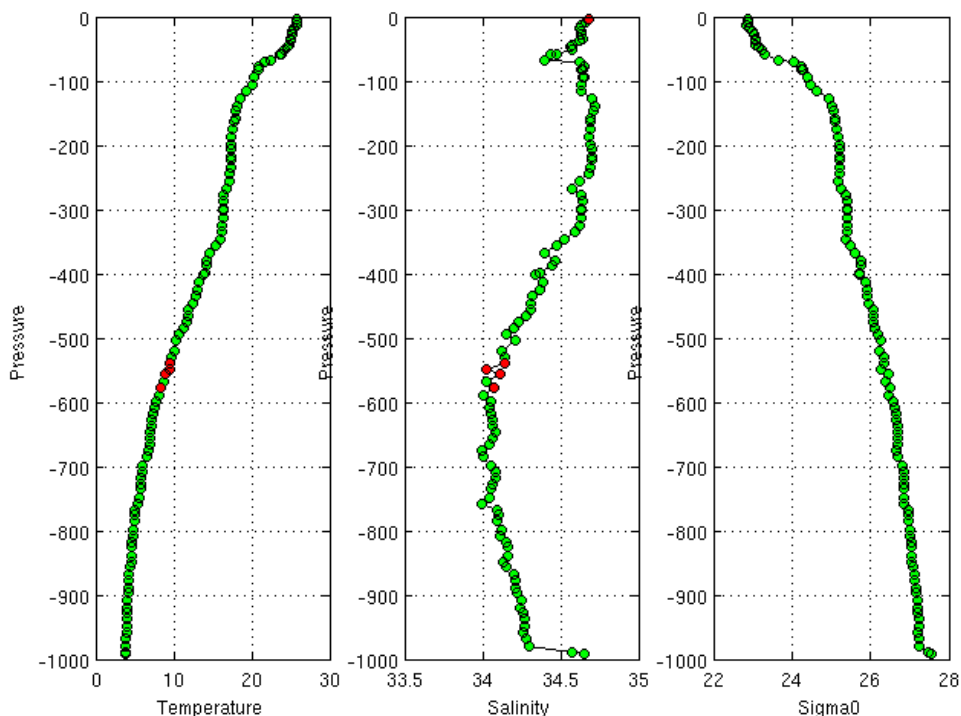


DAC\_CODE,PLATFORM\_CODE,CV\_NUMBER,DATE\_UPDATE,DIRECTION,WEB\_URL,PARAMETER,START\_IMMERSION,STOP\_IMMERSION,OLD\_QC,NEW\_QC  
 JA,2902416,15,26/10/2014 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=34563597> ,PSAL,989.1,998.3,1,4  
 JA,4901692,69,21/10/2014 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=34353479> ,TEMP,1950,1950,1,4

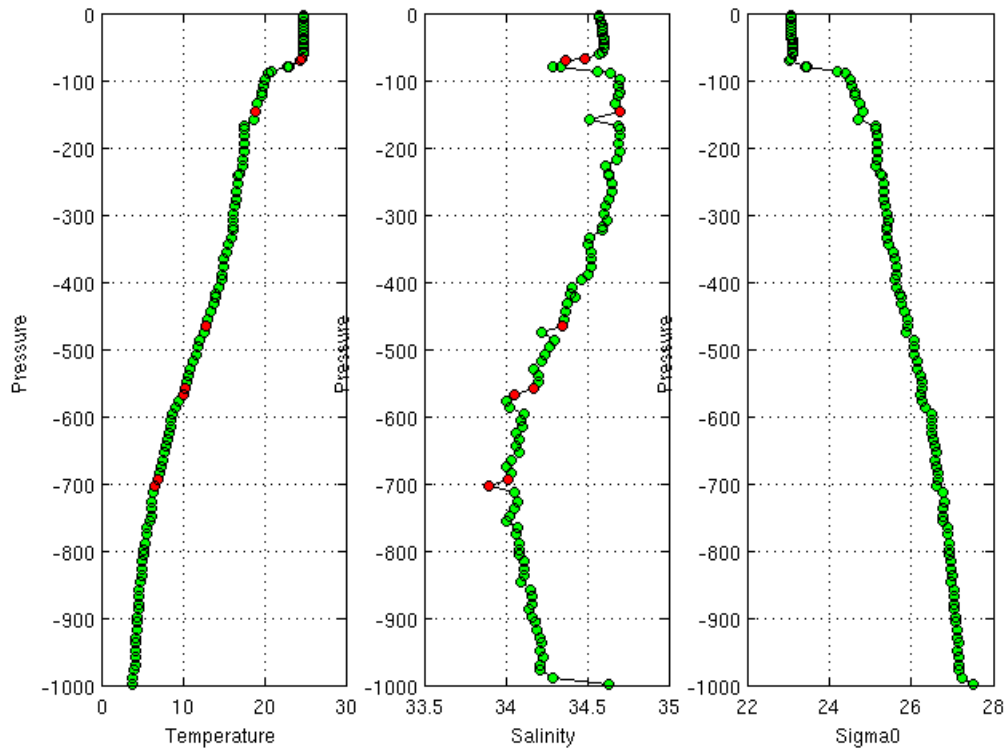
JA,2902416,17,01/11/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34829713 ,PSAL,989.6,991.6,1,4  
 JA,2902416,18,04/11/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34851168 ,PSAL,995.4,995.4,1,4  
 JA,2902416,17,01/11/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34829713 ,PSAL,989.6,991.6,1,4  
 JA,2902416,18,04/11/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34851168 ,PSAL,995.4,995.4,1,4  
 JA,2902416,19,07/11/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=35039261 ,PSAL,989.4,994.7,1,4  
 JA,2902416,20,10/11/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=35052310 ,PSAL,998.3,998.3,1,4  
 JA,2902416,21,13/11/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=35086943 ,PSAL,998.1,998.1,1,4  
 JA,2902416,20,10/11/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=35052310 ,PSAL,998.3,998.3,1,4  
 JA,2902416,21,13/11/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=35086943 ,PSAL,998.1,998.1,1,4  
 JA,2902416,12,17/10/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34470593 ,PSAL,989.7,991.5,1,4  
 JA,2902416,13,20/10/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34477026 ,PSAL,988.3,994.3,1,4  
 JA,2902416,14,23/10/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34515608 ,PSAL,987.4,987.5,1,4  
 JA,2902416,25,25/11/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=35195594 ,PSAL,448.8,448.8,1,3  
 JA,2902416,25,25/11/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=35195594 ,PSAL,545.5,545.5,1,3  
 JA,2902416,25,25/11/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=35195594 ,PSAL,643.1,643.1,1,3

Example of anomalies:

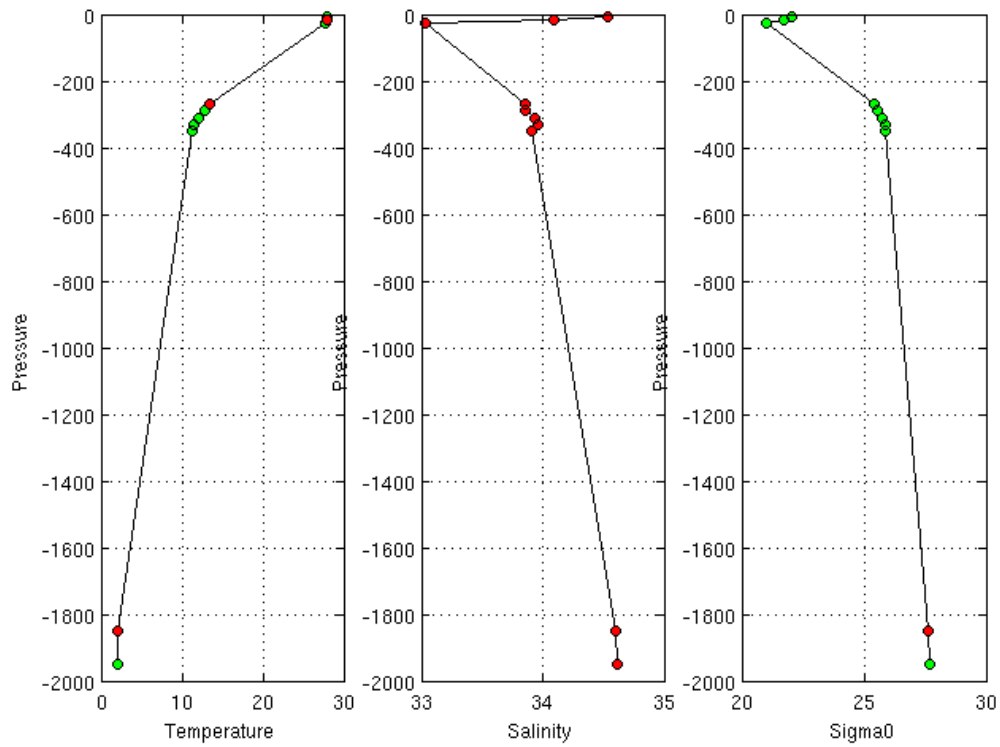
**Warning Objective Analysis Anomalies 2014 November TEMP PSAL : DAC JA- Float 2902416-12**



Warning Objective Analysis Anomalies 2014 November TEMP PSAL : DAC JA- Float 2902416-21



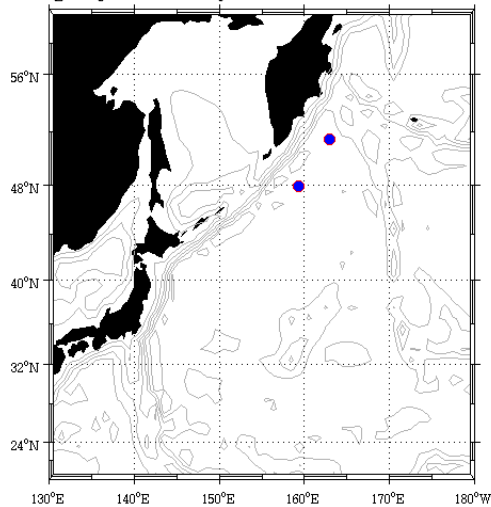
Warning Objective Analysis Anomalies 2014 November TEMP PSAL : DAC JA- Float 4901692-69



## 7. DAC KMA

Profiles detected by the objective analysis: 2

Warning Objective Analysis Anomalies 2014 November

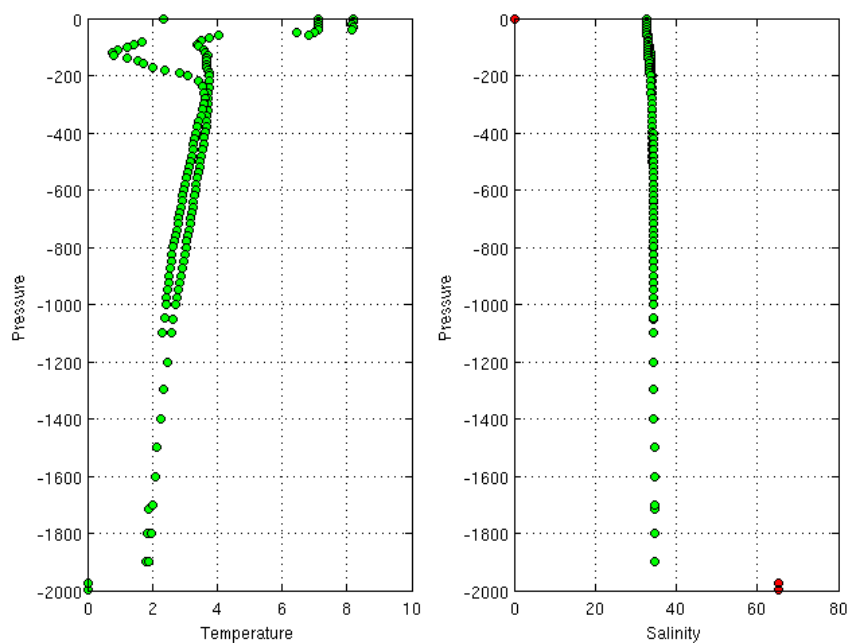


**Status of corrections: NOT DONE, NO FEEDBACK**

Float : 2901715 - Cycle : 45 - PI : Young-Hwa Kim - Data mode : R - INST REF : APEX Profiling Float - Date : 2014 10 28

Float : 2901716 - Cycle : 45 - PI : Young-Hwa Kim - Data mode : R - INST REF : APEX Profiling Float - Date : 2014 10 28

Warning Objective Analysis Anomalies 2014 November TEMP PSAL - DAC KM

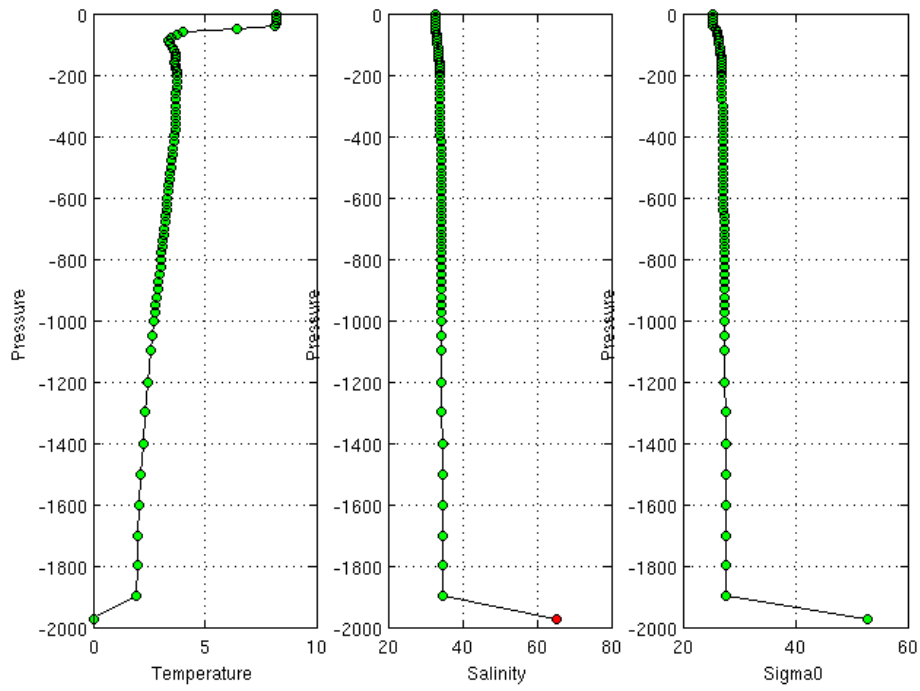


DAC\_CODE,PLATFORM\_CODE,CV\_NUMBER,DATE\_UPDATE,DIRECTION,WEB\_URL,PARAMETER,START\_IMMERSION,STOP\_IMMERSION,OLD\_QC,NEW\_QC  
KM,2901715,45,05/11/2014 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=35024960> ,TEMP,1971.9,1971.9,1,4  
KM,2901716,45,05/11/2014 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=35024961> ,TEMP,1997.5,1997.5,1,4

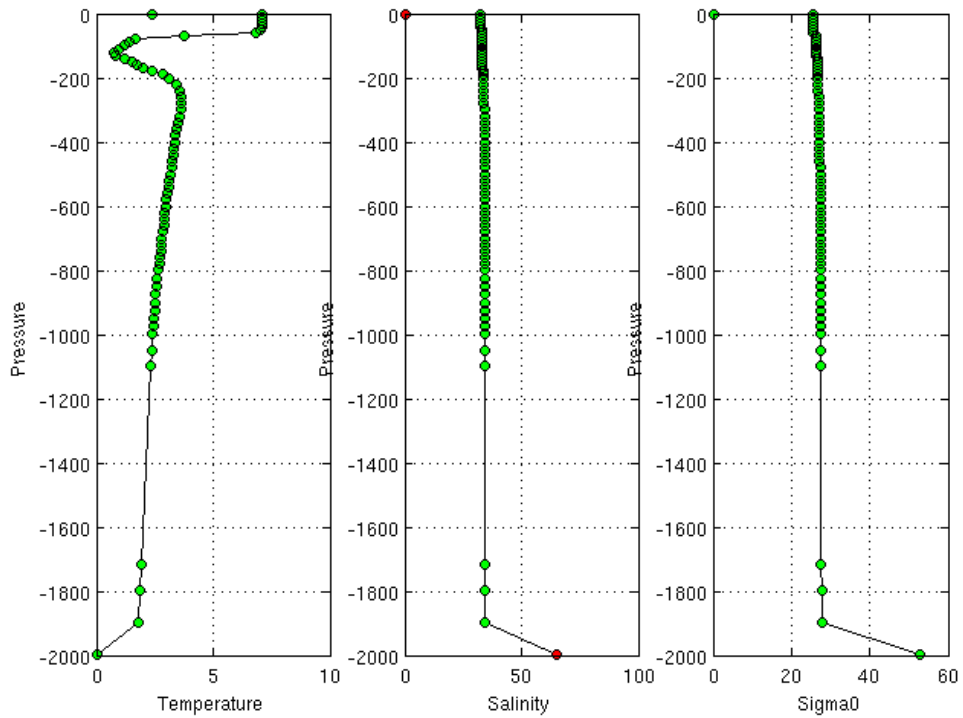
Example of anomalies:



Warning Objective Analysis Anomalies 2014 November TEMP PSAL : DAC KM- Float 2901715-45



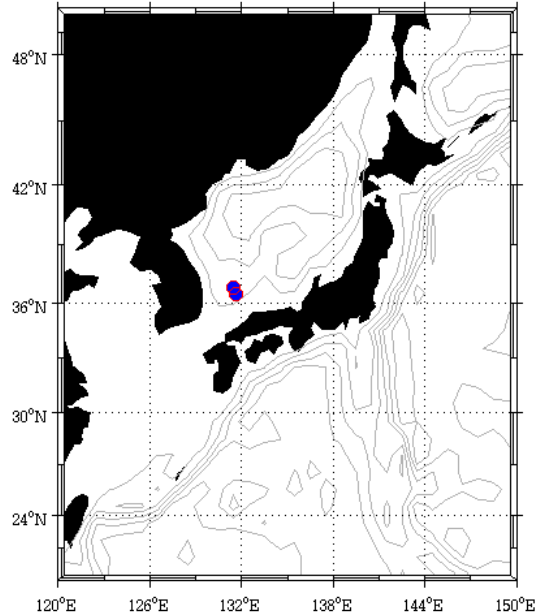
Warning Objective Analysis Anomalies 2014 November TEMP PSAL : DAC KM- Float 2901716-45



## 8. DAC KORDI

Profiles detected by the objective analysis: 2

### Warning Objective Analysis Anomalies 2014 November

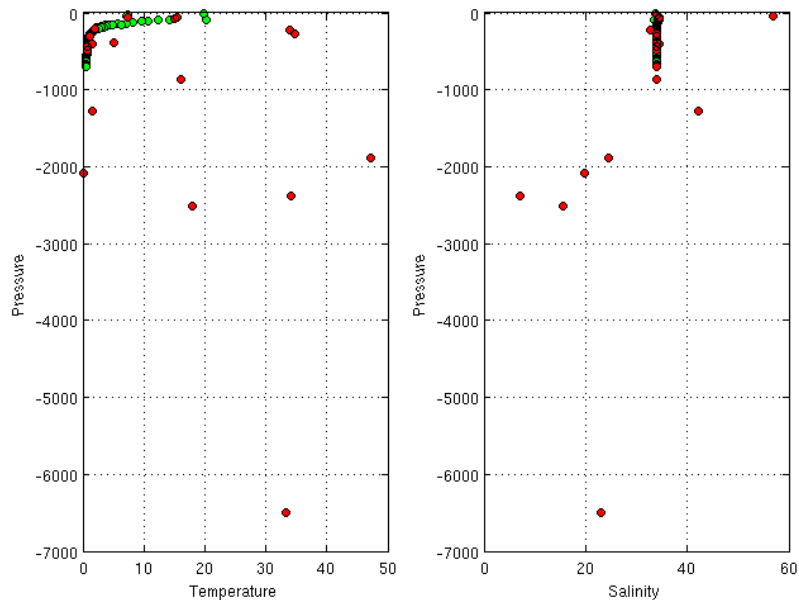


**Status of corrections: Not done, no feedback**

Float : 2900922 - Cycle : 258 - PI : Moon-Sik Suk - Data mode : A - INST REF : APEX-SBE 3436 - Date : 2014 10 3

Float : 2900922 - Cycle : 261 - PI : Moon-Sik Suk - Data mode : A - INST REF : APEX-SBE 3436 - Date : 2014 11 2

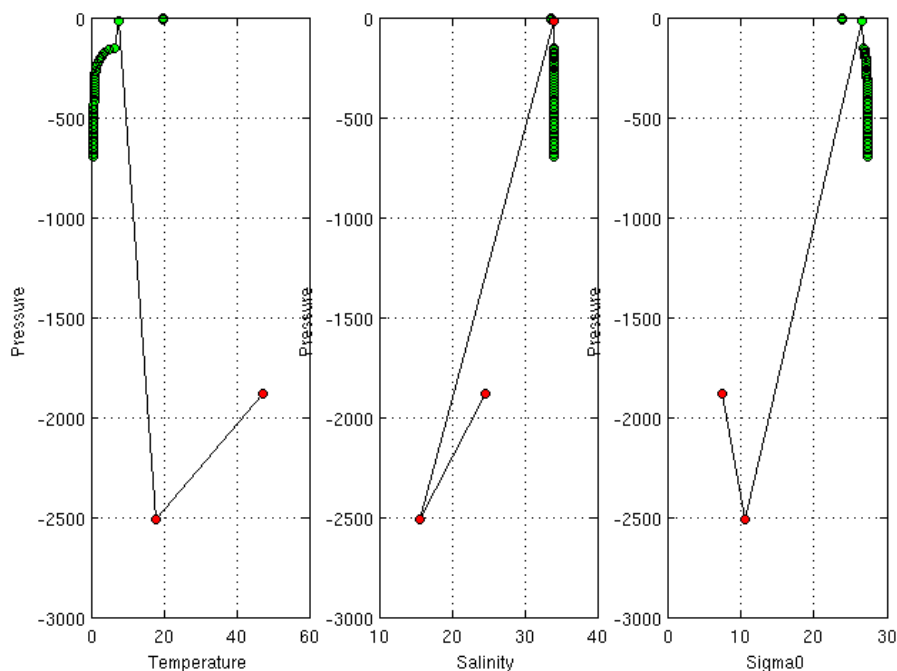
### Warning Objective Analysis Anomalies 2014 November TEMP PSAL - DAC KO



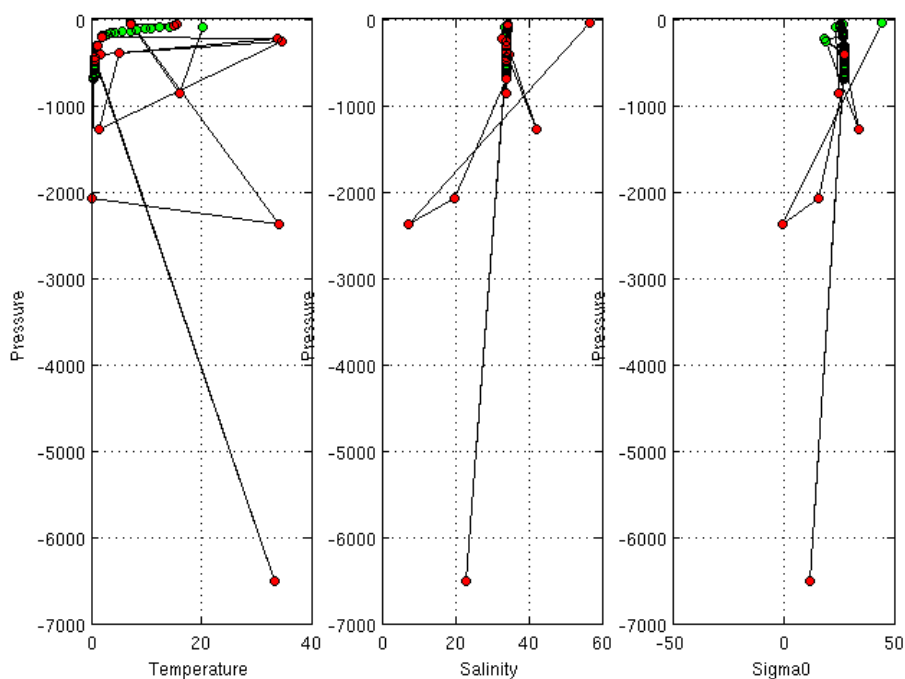
DAC\_CODE,PLATFORM\_CODE,CV\_NUMBER,DATE\_UPDATE,DIRECTION,WEB\_URL,PARAMETER,START\_IMMERSION,STOP\_IMMERSION,OLD\_QC,NEW\_QC  
KO,2900922,261,03/11/2014 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=34841146>,TEMP,21.1,21.1,1,4  
KO,2900922,258,07/10/2014 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=34369204>,PSAL,86,86,1,4  
KO,2900922,258,07/10/2014 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=34369204>,TEMP,48.9,48.9,1,4  
KO,2900922,258,07/10/2014 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=34369204>,TEMP,86,86,1,4  
KO,2900922,261,06/11/2014 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=34841146>,PSAL,4.8,14,1,4  
KO,2900922,261,06/11/2014 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=34841146>,TEMP,4.8,14,1,4

Example of anomalies:

Warning Objective Analysis Anomalies 2014 November TEMP PSAL : DAC KO- Float 2900922-261



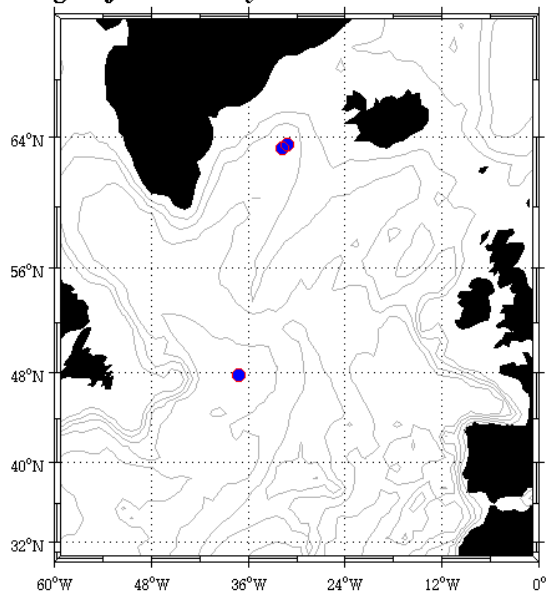
Warning Objective Analysis Anomalies 2014 November TEMP PSAL : DAC KO- Float 2900922-258



## 9. DAC MEDS

Profiles detected by the objective analysis: 3

### Warning Objective Analysis Anomalies 2014 November



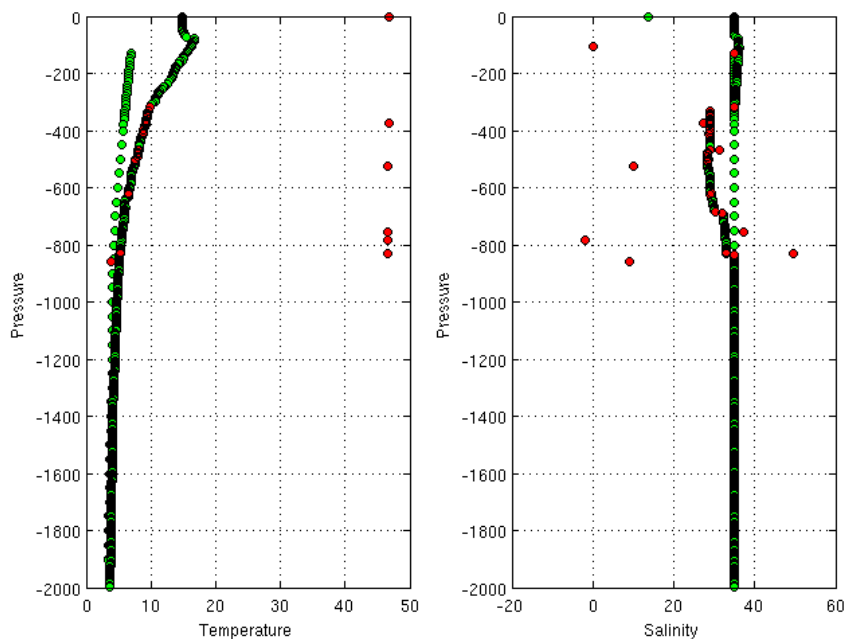
**Status of corrections: Not done, no feedback**

Float : 4901133 - Cycle : 199 - PI : Howard Freeland - Data mode : A - INST REF : - Date : 2014 10 23

Float : 4901133 - Cycle : 200 - PI : Howard Freeland - Data mode : A - INST REF : - Date : 2014 11 2

Float : 4901195 - Cycle : 87 - PI : Denis Gilbert - Data mode : A - INST REF : - Date : 2014 11 4

### Warning Objective Analysis Anomalies 2014 November TEMP PSAL - DAC ME

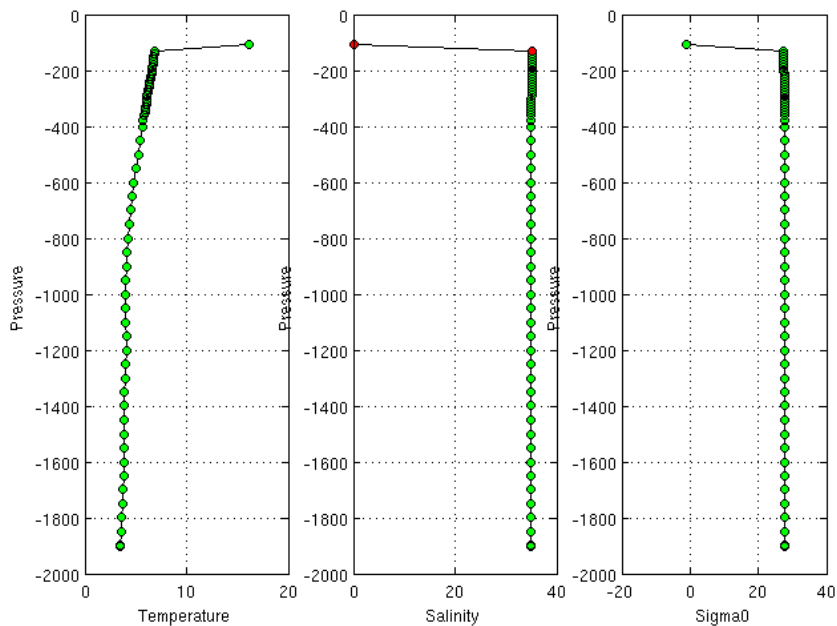


DAC\_CODE,PLATFORM\_CODE,CV\_NUMBER,DATE\_UPDATE,DIRECTION,WEB\_URL,PARAMETER,START\_IMMERSION,STOP\_IMMERSION,OLD\_QC,NEW\_QC  
ME,4901133,199,25/10/2014 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=34559343> ,TEMP,106.5,106.5,1,4  
ME,4901133,200,04/11/2014 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=34845482> ,PSAL,7,7,1,4  
ME,4901195,87,04/11/2014 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=34867077> ,PSAL,334.3,334.3,1,4  
ME,4901195,87,04/11/2014 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=34867077> ,PSAL,354.2,359.7,1,4  
ME,4901195,87,04/11/2014 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=34867077> ,PSAL,385.8,395.3,1,4

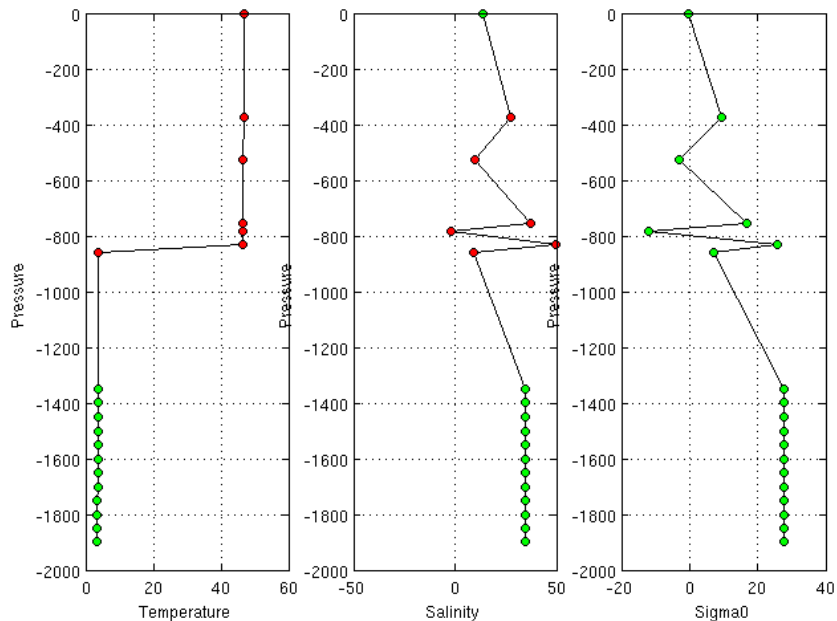
ME,4901195,87,04/11/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34867077 ,PSAL,414.8,453,1,4  
 ME,4901195,87,04/11/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34867077 ,PSAL,495.1,495.1,1,4  
 ME,4901195,87,04/11/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34867077 ,PSAL,509.5,614.2,1,4  
 ME,4901195,87,04/11/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34867077 ,PSAL,630.8,679.5,1,4  
 ME,4901195,87,04/11/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34867077 ,PSAL,695.6,820.5,1,4  
 ME,4901195,87,04/11/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34867077 ,PSAL,334.3,334.3,1,4  
 ME,4901195,87,04/11/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34867077 ,PSAL,354.2,359.7,1,4  
 ME,4901195,87,04/11/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34867077 ,PSAL,385.8,395.3,1,4  
 ME,4901195,87,04/11/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34867077 ,PSAL,414.8,453,1,4  
 ME,4901195,87,04/11/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34867077 ,PSAL,495.1,495.1,1,4  
 ME,4901195,87,04/11/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34867077 ,PSAL,509.5,614.2,1,4  
 ME,4901195,87,04/11/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34867077 ,PSAL,630.8,679.5,1,4  
 ME,4901195,87,04/11/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34867077 ,PSAL,695.6,820.5,1,4

Example of anomalies:

Warning Objective Analysis Anomalies 2014 November TEMP PSAL : DAC ME- Float 4901133-199



Warning Objective Analysis Anomalies 2014 November TEMP PSAL : DAC ME- Float 4901133-200



## 10. DAC NMDIS

Profiles detected by the objective analysis: 0

**Status of corrections:**

Example of anomalies:





## 11.3. KORDI

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

Ex. Cycles 92-179-223-286

## 12. Delayed Mode anomalies (adjusted fields)

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

### 12.1. AOML

### 12.2. 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....."

## 12.3. 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 =  
    _____
```

## 12.4. 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, .....  
}
```

## 12.5. KMA

ADJUSTED pressure exists but not the others parameters, comments are empty

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 =
" ,
```

## 12.6. 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 :

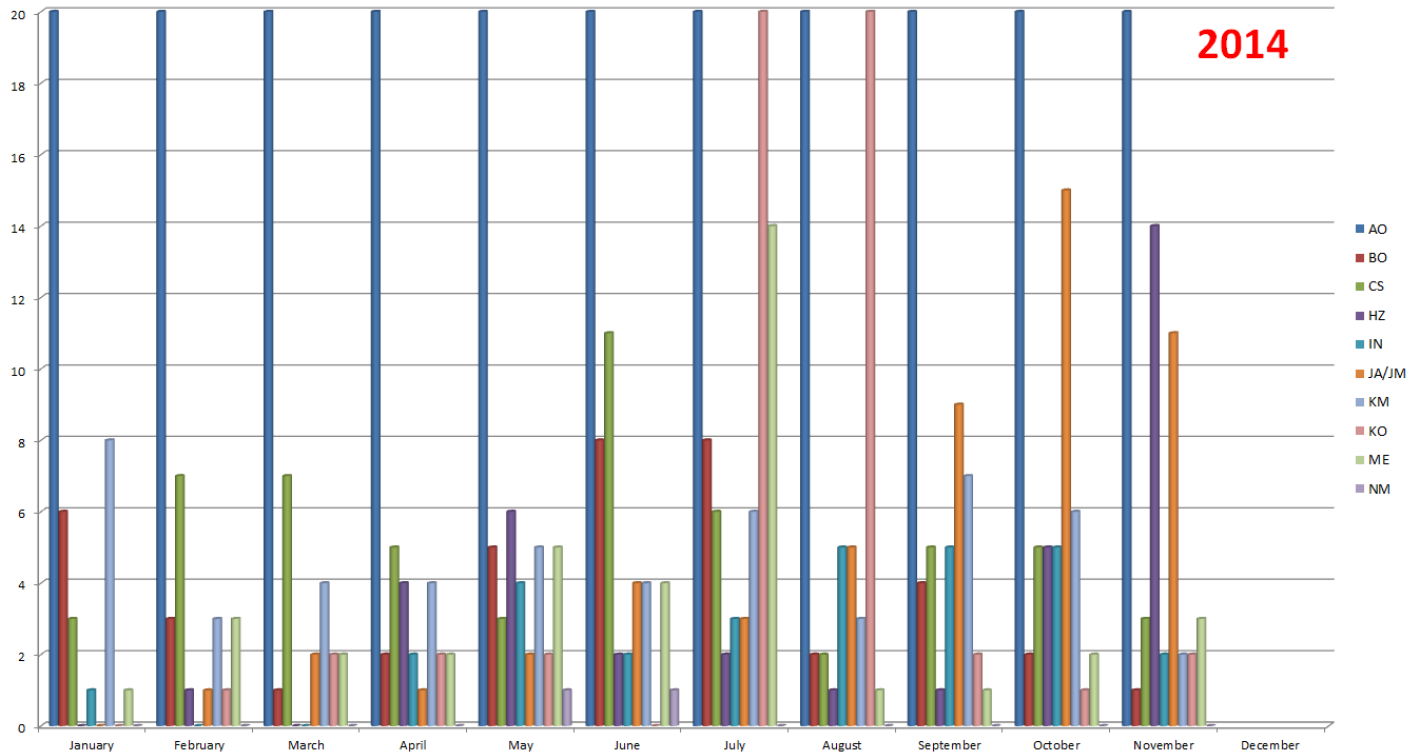
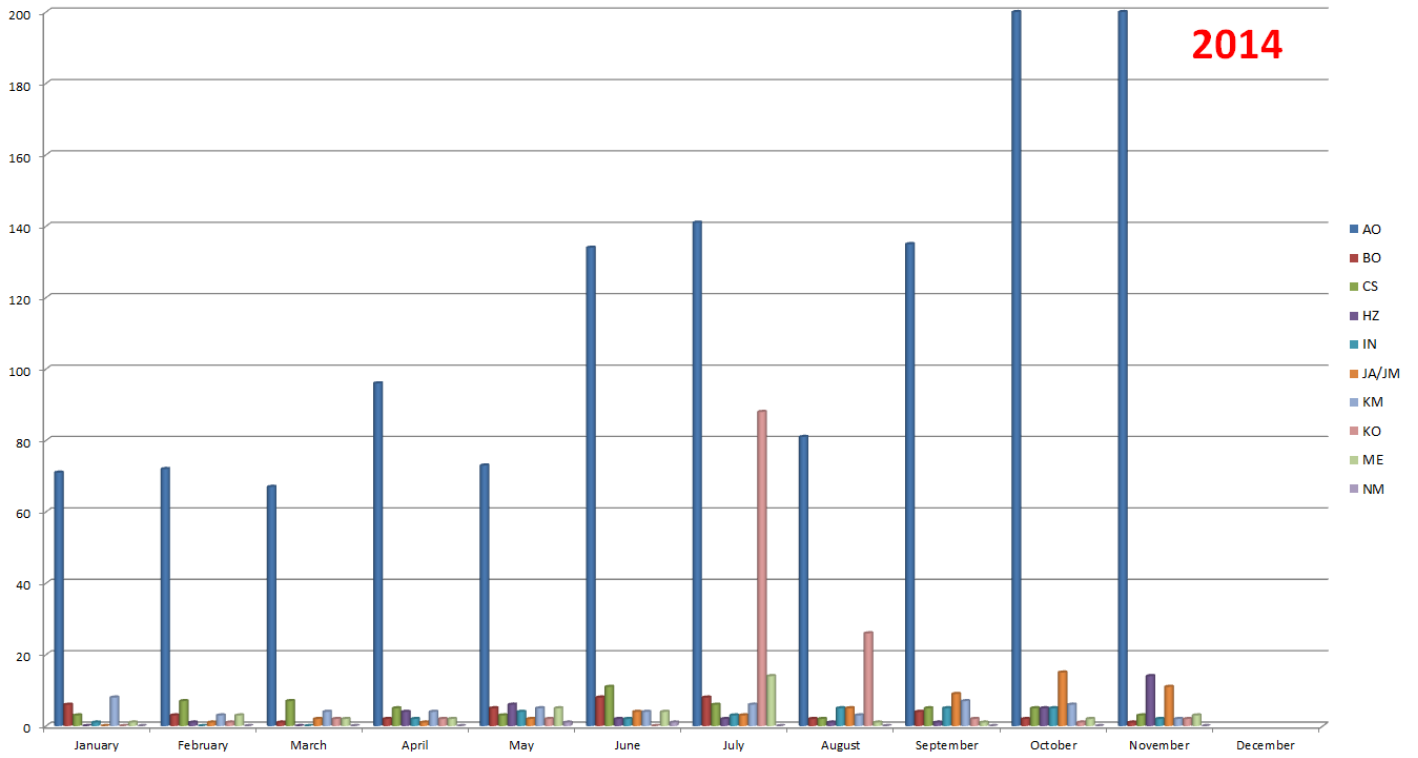
DATA\_MODE = "R" => DATA\_MODE = "D" ;

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

# 13. Statistics

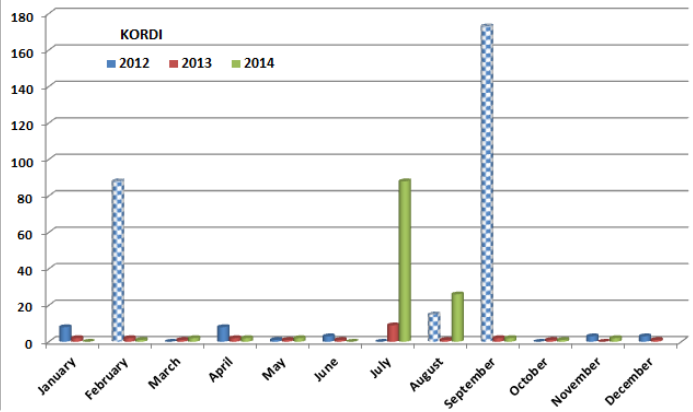
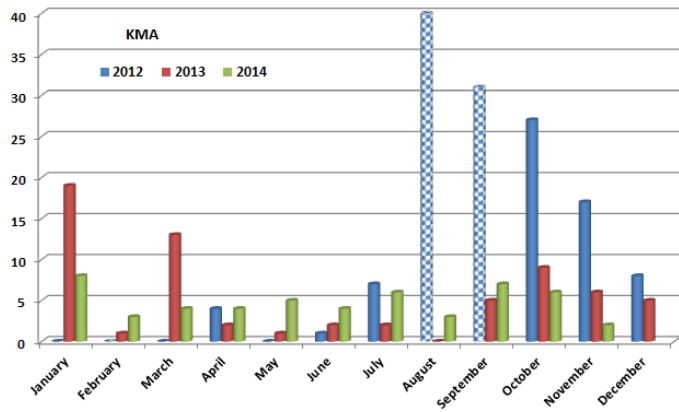
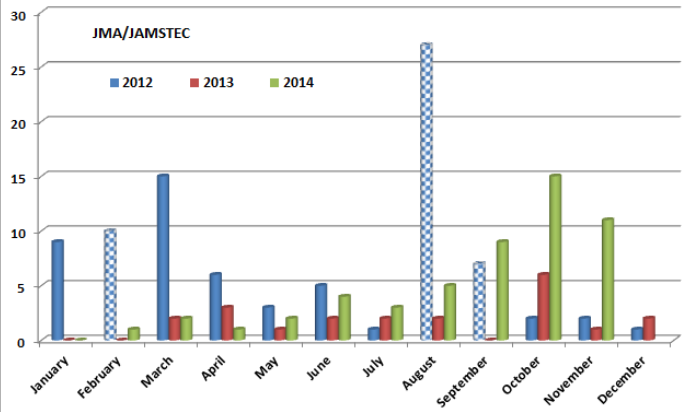
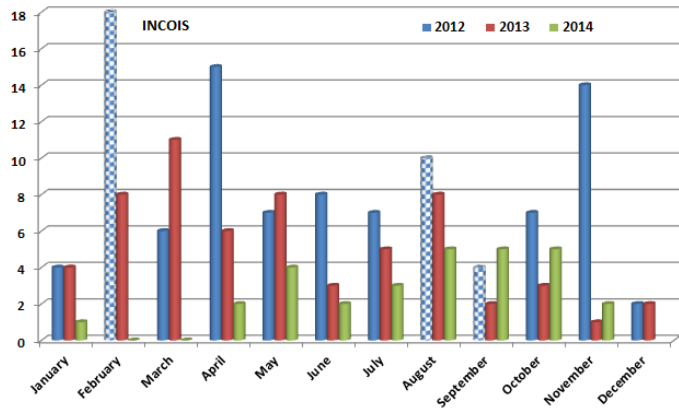
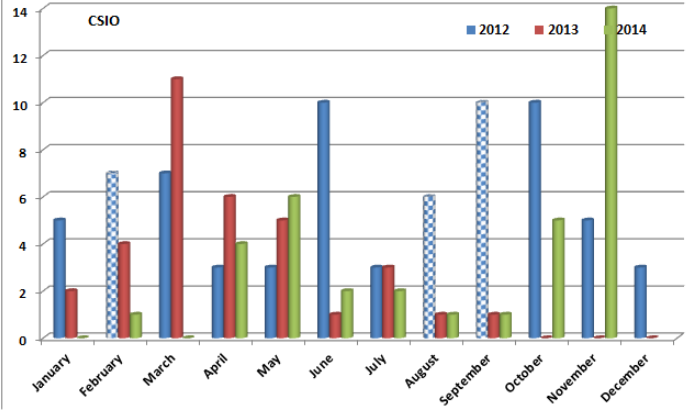
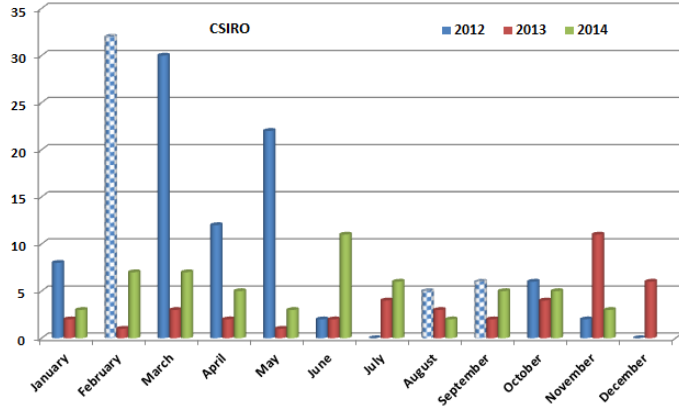
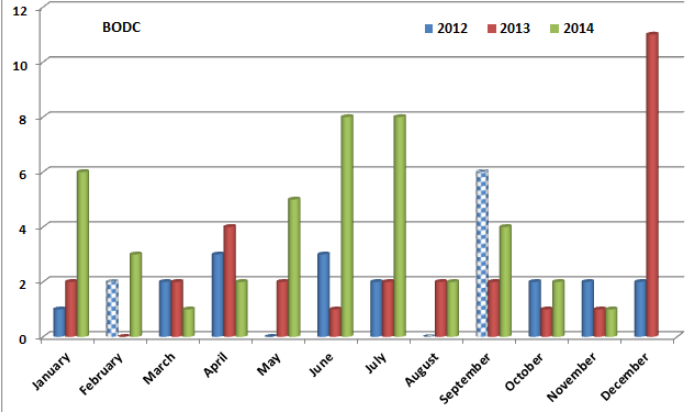
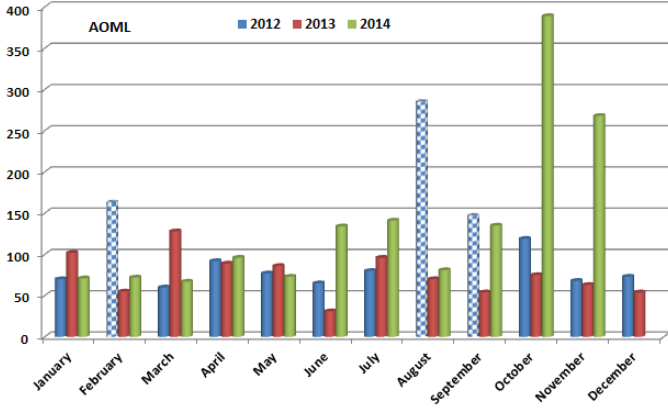
Plots showing evolution of number of anomalies by DAC.

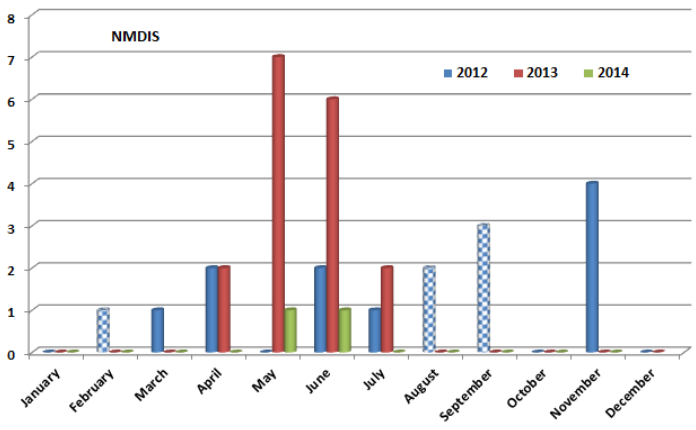
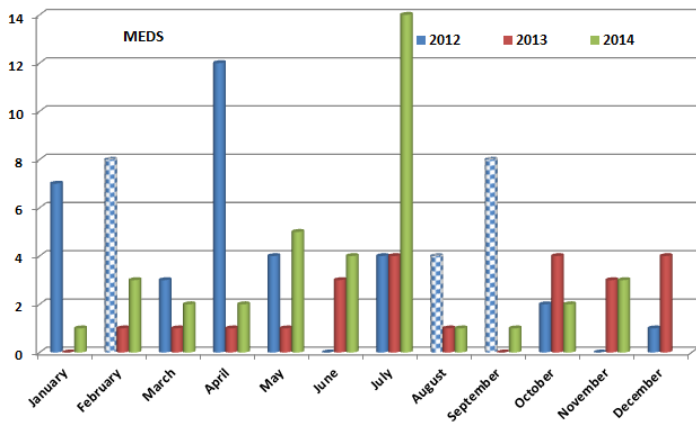
## 13.1. Year



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

## 13.2. DAC





### 13.3. Anomalies by year, by month

