



# Warning Objective Analysis

**November 2013**

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**Coriolis**

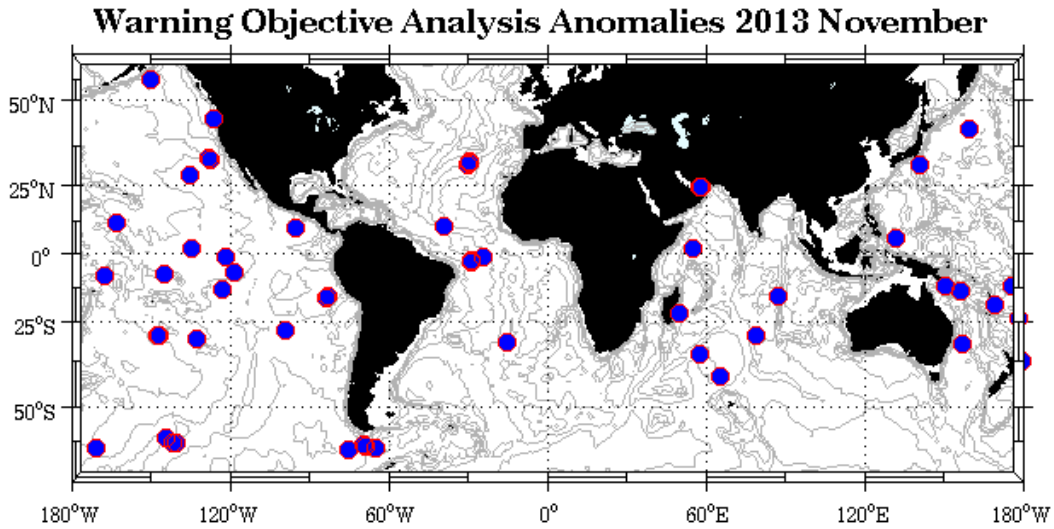
# Anomalies by DAC

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# 1. DAC AOML

Profiles detected by the objective analysis: 63

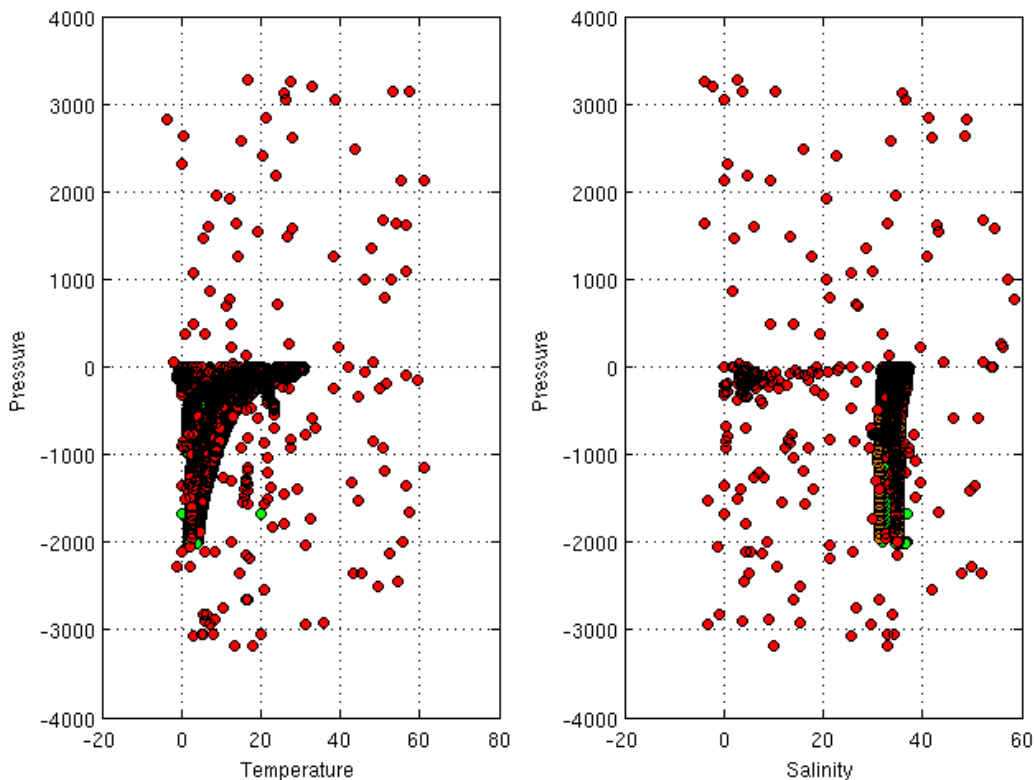


## Status of corrections: Done except for few profiles –

Float : 1900412 - Cycle : 260 - PI : Stephen Riser - Data mode : A - INST REF : APEXIR\_SBE\_2597 - Date : 2013 11 14  
Float : 1901045 - Cycle : 159 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_3229 - Date : 2013 11 16  
## NetCDF file not opened: /home4/begmeil/coriolis\_diffusion/ftp/co0508/dac/aoml/1901369/profiles/R1901369\_162.nc (has been updated in DM file)  
Float : 1901369 - Cycle : 162 - PI : STEPHEN RISER - Data mode : D - INST REF : APEX\_SBE\_4285 - Date : 2013 10 11  
## NetCDF file not opened: /home4/begmeil/coriolis\_diffusion/ftp/co0508/dac/aoml/1901369/profiles/R1901369\_163.nc (has been updated in DM file)  
Float : 1901369 - Cycle : 163 - PI : STEPHEN RISER - Data mode : D - INST REF : APEX\_SBE\_4285 - Date : 2013 10 21  
Float : 1901369 - Cycle : 164 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_4285 - Date : 2013 11 1  
Float : 1901668 - Cycle : 29 - PI : Breck Owens - Data mode : R - INST REF : SOLOIR\_SBE\_0948 - Date : 2013 10 24  
Float : 1901668 - Cycle : 30 - PI : Breck Owens - Data mode : R - INST REF : SOLOIR\_SBE\_0948 - Date : 2013 11 3  
Float : 2901418 - Cycle : 117 - PI : CARL SZCZECZOWSKI - Data mode : R - INST REF : APEX\_SBE\_5910 - Date : 2013 10 27  
Float : 2901418 - Cycle : 118 - PI : CARL SZCZECZOWSKI - Data mode : R - INST REF : APEX\_SBE\_5910 - Date : 2013 10 31  
Float : 2901418 - Cycle : 119 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : APEX\_SBE\_5910 - Date : 2013 11 4  
Float : 2901418 - Cycle : 120 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : APEX\_SBE\_5910 - Date : 2013 11 8  
Float : 2901418 - Cycle : 124 - PI : CARL SZCZECZOWSKI - Data mode : R - INST REF : APEX\_SBE\_5910 - Date : 2013 11 24  
Float : 2901450 - Cycle : 47 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : APEX\_SBE\_6492 - Date : 2013 10 29  
Float : 2901450 - Cycle : 48 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : APEX\_SBE\_6492 - Date : 2013 11 2  
Float : 3900453 - Cycle : 227 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : APEX\_SBE\_3051 - Date : 2013 11 27  
Float : 3900615 - Cycle : 225 - PI : GREGORY C. JOHNSON - Data mode : R - INST REF : APEX\_SBE\_3054 - Date : 2013 11 12  
Float : 3900708 - Cycle : 200 - PI : BRECK OWENS - Data mode : R - INST REF : SOLO\_SBE\_SL814 - Date : 2013 10 29  
Float : 3900715 - Cycle : 260 - PI : Robert A. Weller - Data mode : R - INST REF : SOLOIR\_SBE\_0856 - Date : 2013 10 30  
Float : 3900715 - Cycle : 261 - PI : Robert A. Weller - Data mode : R - INST REF : SOLOIR\_SBE\_0856 - Date : 2013 11 9  
Float : 3900715 - Cycle : 262 - PI : Robert A. Weller - Data mode : R - INST REF : SOLOIR\_SBE\_0856 - Date : 2013 11 19  
Float : 3900753 - Cycle : 136 - PI : BRECK OWENS - Data mode : R - INST REF : SOLO\_SBE\_0819 - Date : 2013 11 11  
Float : 4900853 - Cycle : 183 - PI : GREGORY C. JOHNSON - Data mode : R - INST REF : APEX\_SBE\_3966 - Date : 2013 10 31  
Float : 4900853 - Cycle : 184 - PI : GREGORY C. JOHNSON - Data mode : R - INST REF : APEX\_SBE\_3966 - Date : 2013 11 11  
Float : 4900853 - Cycle : 185 - PI : GREGORY C. JOHNSON - Data mode : R - INST REF : APEX\_SBE\_3966 - Date : 2013 11 22  
Float : 4901016 - Cycle : 179 - PI : BRECK OWENS - Data mode : R - INST REF : SOLO\_SBE\_SL883 - Date : 2013 11 22  
Float : 4901459 - Cycle : 13 - PI : Breck Owens - Data mode : R - INST REF : SOLOIR\_SBE\_0952 - Date : 2013 9 29  
Float : 4901459 - Cycle : 15 - PI : Breck Owens - Data mode : R - INST REF : SOLOIR\_SBE\_0952 - Date : 2013 10 19  
Float : 4901576 - Cycle : 10 - PI : Gregory C. Johnson - Data mode : R - INST REF : NAVISIR\_SBE\_0262 - Date : 2013 11 14  
Float : 4901586 - Cycle : 6 - PI : Breck Owens, Steve Jayne, and P. - Data mode : R - INST REF : SOLO2IR\_SBE\_7174 - Date : 2013 10 14  
Float : 4901586 - Cycle : 7 - PI : Breck Owens, Steve Jayne, and P. - Data mode : R - INST REF : SOLO2IR\_SBE\_7174 - Date : 2013 10 24  
Float : 4901586 - Cycle : 8 - PI : Breck Owens, Steve Jayne, and P.E. Robbi - Data mode : R - INST REF : SOLO2IR\_SBE\_7174 - Date : 2013 11 3  
Float : 4901586 - Cycle : 9 - PI : Breck Owens, Steve Jayne, and P.E. Robbi - Data mode : R - INST REF : SOLO2IR\_SBE\_7174 - Date : 2013 11 13  
Float : 5900414 - Cycle : 238 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_1387 - Date : 2013 11 5  
Float : 5900696 - Cycle : 310 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_1708 - Date : 2013 10 26  
Float : 5900696 - Cycle : 311 - PI : STEPHEN RISER - Data mode : R - INST REF : APEX\_SBE\_1708 - Date : 2013 11 6  
Float : 5900696 - Cycle : 312 - PI : STEPHEN RISER - Data mode : R - INST REF : APEX\_SBE\_1708 - Date : 2013 11 16

Float : 5900696 - Cycle : 313 - PI : STEPHEN RISER - Data mode : R - INST REF : APEX\_SBE\_1708 - Date : 2013 11 27  
 Float : 5900886 - Cycle : 299 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : APEX\_SBE\_1880 - Date : 2013 10 31  
 Float : 5900930 - Cycle : 298 - PI : STEPHEN RISER - Data mode : R - INST REF : APEX\_SBE\_1857 - Date : 2013 11 26  
 Float : 5901884 - Cycle : 178 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_3733 - Date : 2013 10 30  
 Float : 5902078 - Cycle : 181 - PI : STEPHEN RISER - Data mode : R - INST REF : APEX\_SBE\_3944 - Date : 2013 11 6  
 Float : 5902080 - Cycle : 181 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_3946 - Date : 2013 11 8  
 Float : 5902102 - Cycle : 191 - PI : Stephen Riser - Data mode : A - INST REF : APEXIR\_SBE\_3278 - Date : 2013 11 1  
 Float : 5902216 - Cycle : 172 - PI : GREGORY C. JOHNSON - Data mode : R - INST REF : APEX\_SBE\_4017 - Date : 2013 10 31  
 Float : 5903436 - Cycle : 77 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_4936 - Date : 2013 11 7  
 Float : 5903560 - Cycle : 94 - PI : Gregory C. Johnson - Data mode : A - INST REF : APEXIR\_SBE\_5422 - Date : 2013 11 7  
 Float : 5903601 - Cycle : 75 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_5730 - Date : 2013 11 19  
 Float : 5903606 - Cycle : 73 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_5737 - Date : 2013 10 31  
 Float : 5903721 - Cycle : 90 - PI : Stephen Riser - Data mode : A - INST REF : APEXIR\_SBE\_5305 - Date : 2013 11 5  
 Float : 5903721 - Cycle : 92 - PI : Stephen Riser - Data mode : A - INST REF : APEXIR\_SBE\_5305 - Date : 2013 11 19  
 Float : 5903721 - Cycle : 93 - PI : Stephen Riser - Data mode : A - INST REF : APEXIR\_SBE\_5305 - Date : 2013 11 26  
 Float : 5903844 - Cycle : 51 - PI : Gregory C. Johnson - Data mode : R - INST REF : NAVISIR\_SBE\_0144 - Date : 2013 11 3  
 Float : 5903974 - Cycle : 34 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_5849 - Date : 2013 11 4  
 Float : 5903974 - Cycle : 35 - PI : STEPHEN RISER - Data mode : R - INST REF : APEX\_SBE\_5849 - Date : 2013 11 15  
 Float : 5903975 - Cycle : 37 - PI : STEPHEN RISER - Data mode : R - INST REF : APEX\_SBE\_5851 - Date : 2013 11 23  
 Float : 5903977 - Cycle : 36 - PI : STEPHEN RISER - Data mode : R - INST REF : APEX\_SBE\_6118 - Date : 2013 11 22  
 Float : 5903988 - Cycle : 35 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX\_SBE\_6226 - Date : 2013 11 23  
 Float : 5904019 - Cycle : 64 - PI : Stephen Riser - Data mode : A - INST REF : APEXIR\_SBE\_6009 - Date : 2013 11 13  
 Float : 5904028 - Cycle : 52 - PI : Stephen Riser - Data mode : R - INST REF : APEXIR\_SBE\_6174 - Date : 2013 11 7  
 Float : 5904133 - Cycle : 2 - PI : Stephen Riser - Data mode : A - INST REF : APEXIR\_SBE\_4920 - Date : 2013 10 25  
 Float : 5904341 - Cycle : 13 - PI : DEAN ROEMMICH - Data mode : R - INST REF : SOLO2IR\_SBE\_8146 - Date : 2013 11 3  
 Float : 5904366 - Cycle : 11 - PI : DEAN ROEMMICH - Data mode : R - INST REF : SOLO2IR\_SBE\_8171 - Date : 2013 10 26  
 Float : 5904372 - Cycle : 12 - PI : DEAN ROEMMICH - Data mode : R - INST REF : SOLO2IR\_SBE\_8177 - Date : 2013 11 10

### Warning Objective Analysis Anomalies 2013 November TEMP PSAL - DAC AO



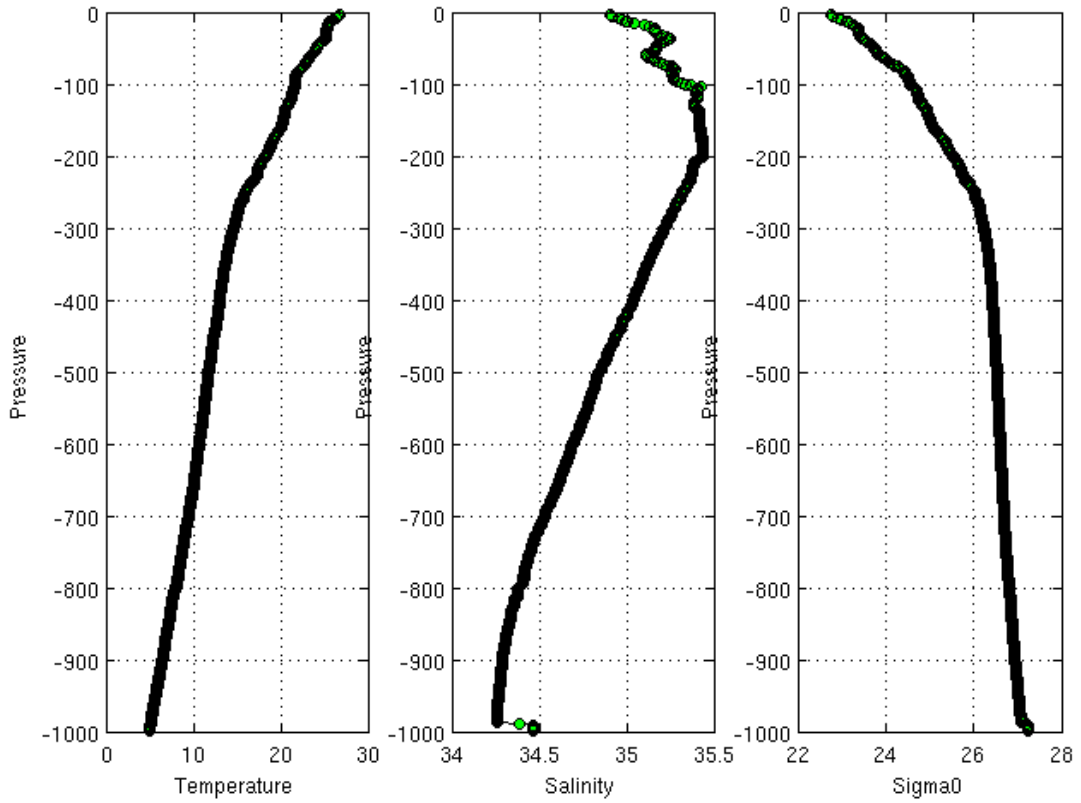
DAC_CODE	PLATFORM_CODE	CV_NUMBER	DATE_UPDATE	DIRECTION	WEB_URL	PARAMETER	START_IMMERSION	STOP_IMMERSION	OLD_QC	NEW_QC
AO,5900696	310	27/10/2013	00:00:00	A	<a href="http://www.ifremer.fr/WC2argoFloats/station?&amp;stationId=30977075">http://www.ifremer.fr/WC2argoFloats/station?&amp;stationId=30977075</a>	TEMP	0	0	1,4	
AO,2901418	117	28/10/2013	00:00:00	A	<a href="http://www.ifremer.fr/WC2argoFloats/station?&amp;stationId=30980514">http://www.ifremer.fr/WC2argoFloats/station?&amp;stationId=30980514</a>	PSAL	35.8	35.8	1,4	
AO,2901418	117	28/10/2013	00:00:00	A	<a href="http://www.ifremer.fr/WC2argoFloats/station?&amp;stationId=30980514">http://www.ifremer.fr/WC2argoFloats/station?&amp;stationId=30980514</a>	PSAL	1200.2	1200.2	1,4	
AO,1901369	162	30/10/2013	00:00:00	A	<a href="http://www.ifremer.fr/WC2argoFloats/station?&amp;stationId=30856471">http://www.ifremer.fr/WC2argoFloats/station?&amp;stationId=30856471</a>	PSAL	6	329.7	1,3	
AO,1901369	162	30/10/2013	00:00:00	A	<a href="http://www.ifremer.fr/WC2argoFloats/station?&amp;stationId=30856471">http://www.ifremer.fr/WC2argoFloats/station?&amp;stationId=30856471</a>	PSAL	360.1	1850.1	1,3	
AO,4901586	6	30/10/2013	00:00:00	A	<a href="http://www.ifremer.fr/WC2argoFloats/station?&amp;stationId=30863440">http://www.ifremer.fr/WC2argoFloats/station?&amp;stationId=30863440</a>	PSAL	1994	2011.2	1,4	
AO,1901369	163	30/10/2013	00:00:00	A	<a href="http://www.ifremer.fr/WC2argoFloats/station?&amp;stationId=30951901">http://www.ifremer.fr/WC2argoFloats/station?&amp;stationId=30951901</a>	PSAL	6.1	9.6	1,3	
AO,1901369	163	30/10/2013	00:00:00	A	<a href="http://www.ifremer.fr/WC2argoFloats/station?&amp;stationId=30951901">http://www.ifremer.fr/WC2argoFloats/station?&amp;stationId=30951901</a>	PSAL	40.4	1999.8	1,3	
AO,5904366	11	30/10/2013	00:00:00	A	<a href="http://www.ifremer.fr/WC2argoFloats/station?&amp;stationId=30977263">http://www.ifremer.fr/WC2argoFloats/station?&amp;stationId=30977263</a>	PSAL	1032	1032	1,4	



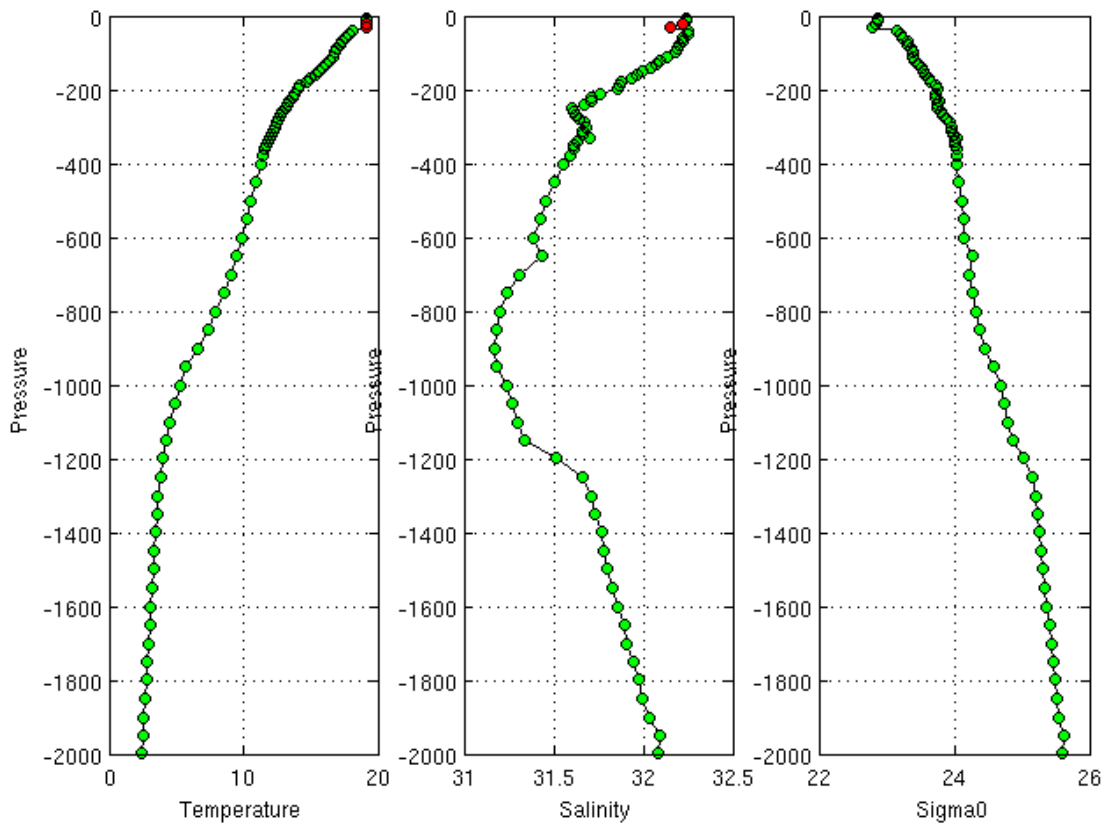




Warning Objective Analysis Anomalies 2013 November TEMP PSAL : DAC AO- Float 1900412-260

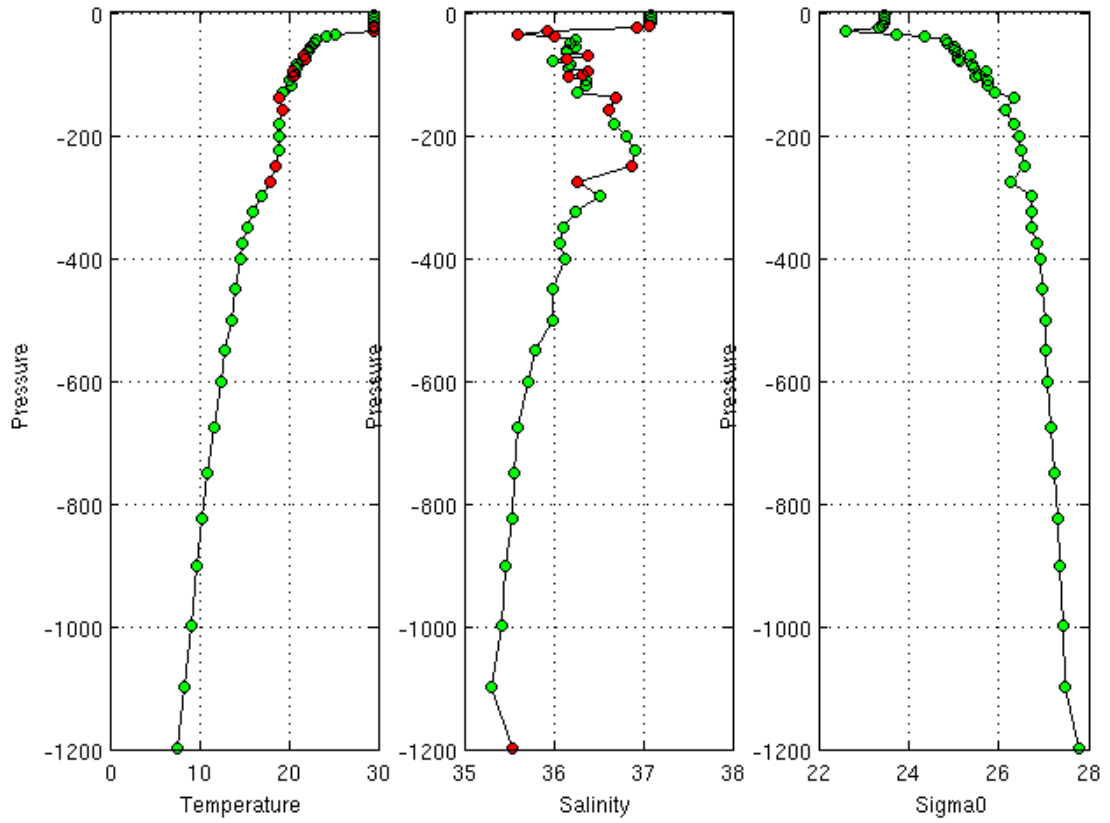


Warning Objective Analysis Anomalies 2013 November TEMP PSAL : DAC AO- Float 1901369-163

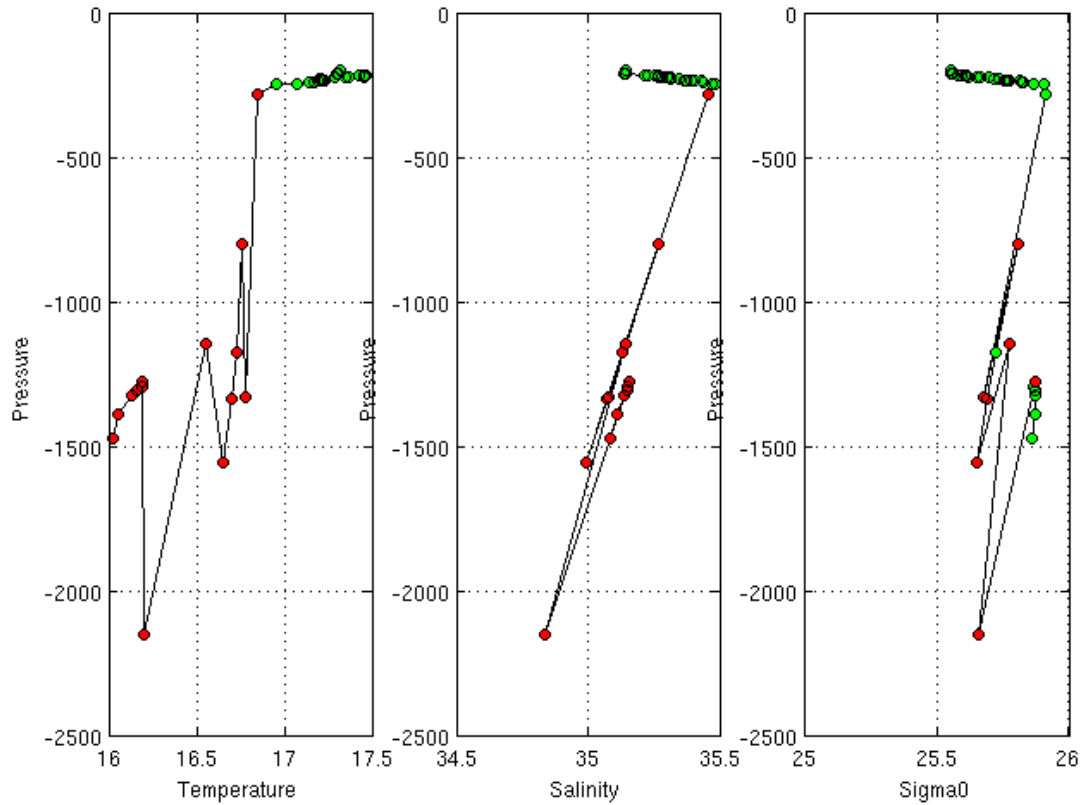




Warning Objective Analysis Anomalies 2013 November TEMP PSAL : DAC AO- Float 2901418-120



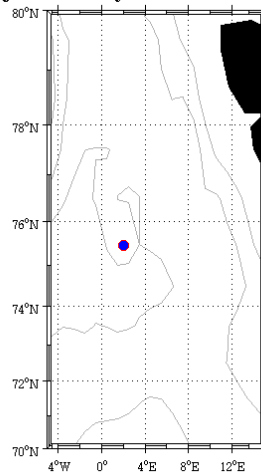
Warning Objective Analysis Anomalies 2013 November TEMP PSAL : DAC AO- Float 5900414-238



## 2. DAC BODC

Profiles detected by the objective analysis: 1

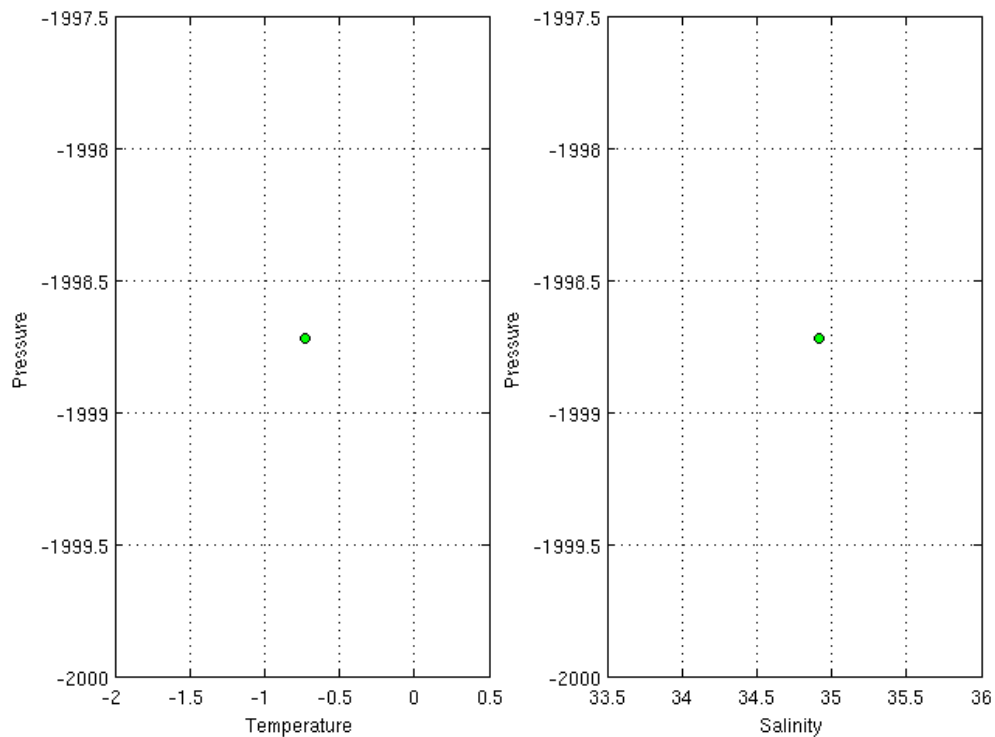
Warning Objective Analysis Anomalies 2013 November



**Status of corrections: NOT DONE**

Float : 6901129 - Cycle : 51 - PI : Jon Turton - Data mode : A - INST REF : APEX-SBE 6229 - Date : 2013 11 22

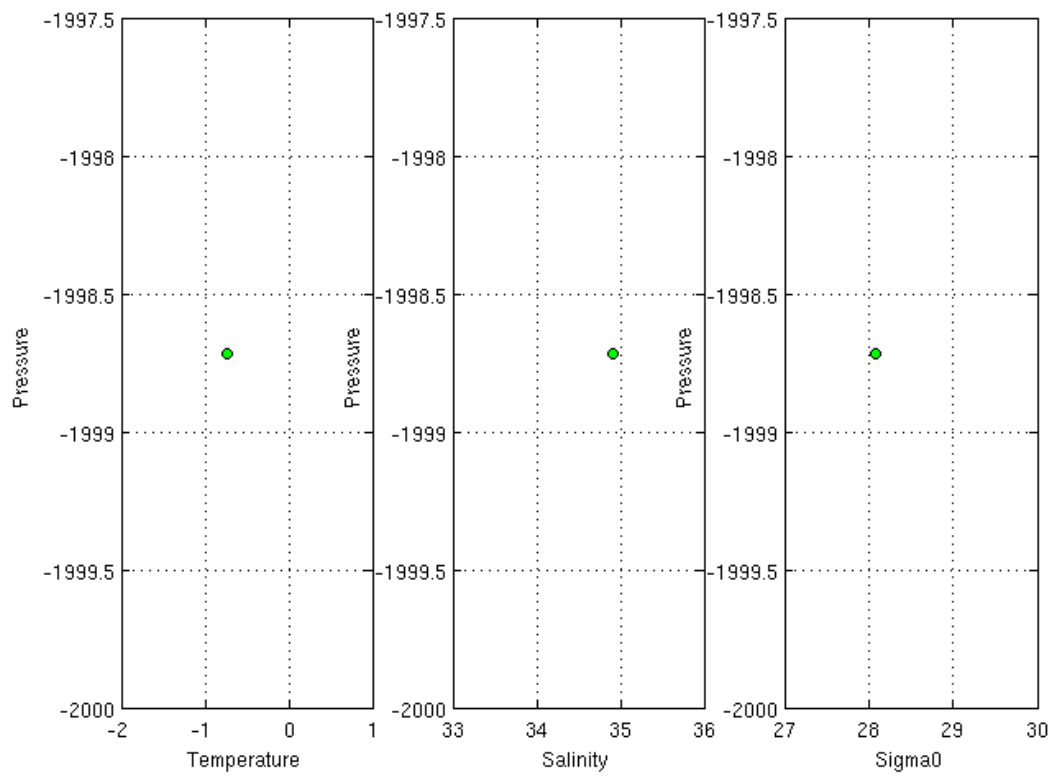
Warning Objective Analysis Anomalies 2013 November TEMP PSAL - DAC BO



DAC\_CODE,PLATFORM\_CODE,CV\_NUMBER,DATE\_UPDATE,DIRECTION,WEB\_URL,PARAMETER,START\_IMMERSION,STOP\_IMMERSION,OLD\_QC,NEW\_QC  
BO,6901129,51,22/11/2013 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=31355298> ,PSAL,1998.7,1998.7,1,4  
BO,6901129,51,22/11/2013 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=31355298> ,TEMP,1998.7,1998.7,1,4

Example of corrections:

Warning Objective Analysis Anomalies 2013 November TEMP PSAL : DAC BO- Float 6901129-51



### 3. DAC CSIO

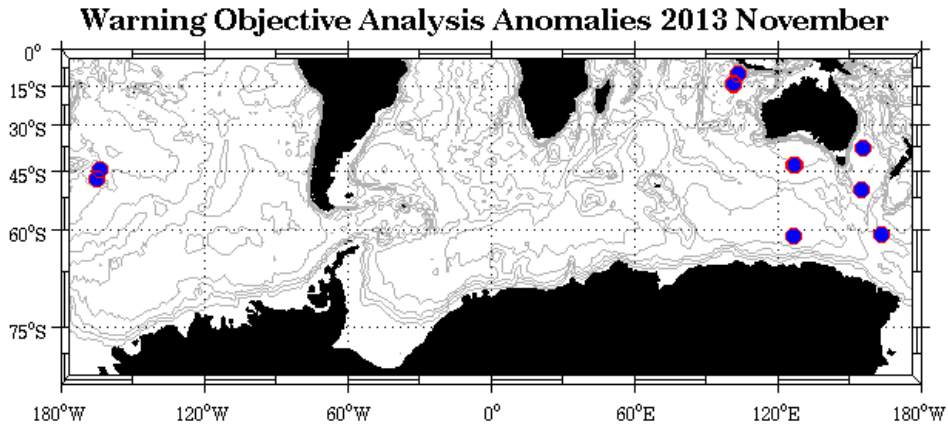
Profiles detected by the objective analysis: 0

**Status of corrections:**

Example of corrections:

## 4. DAC CSIRO

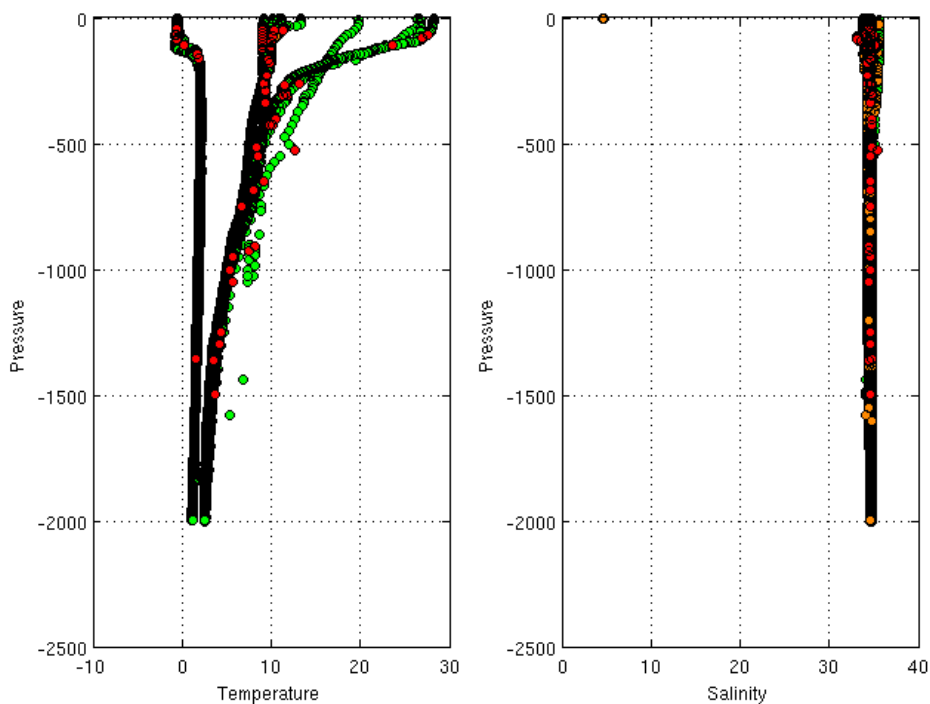
Profiles detected by the objective analysis: 11



**Status of corrections: DONE with feedback**

Float : 5901700 - Cycle : 175 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2013 11 4  
Float : 5901700 - Cycle : 176 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2013 11 14  
Float : 5903266 - Cycle : 122 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2013 10 10  
Float : 5903671 - Cycle : 102 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2013 11 26  
Float : 5903913 - Cycle : 75 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2013 11 24  
Float : 5903914 - Cycle : 71 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2013 11 1  
Float : 5903914 - Cycle : 72 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2013 11 11  
Float : 5903937 - Cycle : 65 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2013 11 9  
Float : 5904220 - Cycle : 130 - PI : Susan Wijffels - Data mode : A - FLOAT SERIAL : 176 - Date : 2013 11 9  
Float : 5904220 - Cycle : 130 - PI : Susan Wijffels - Data mode : A - FLOAT SERIAL : 176 - Date : 2013 11 9  
Float : 5904222 - Cycle : 139 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2013 11 26  
Float : 5904233 - Cycle : 29 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2013 11 11

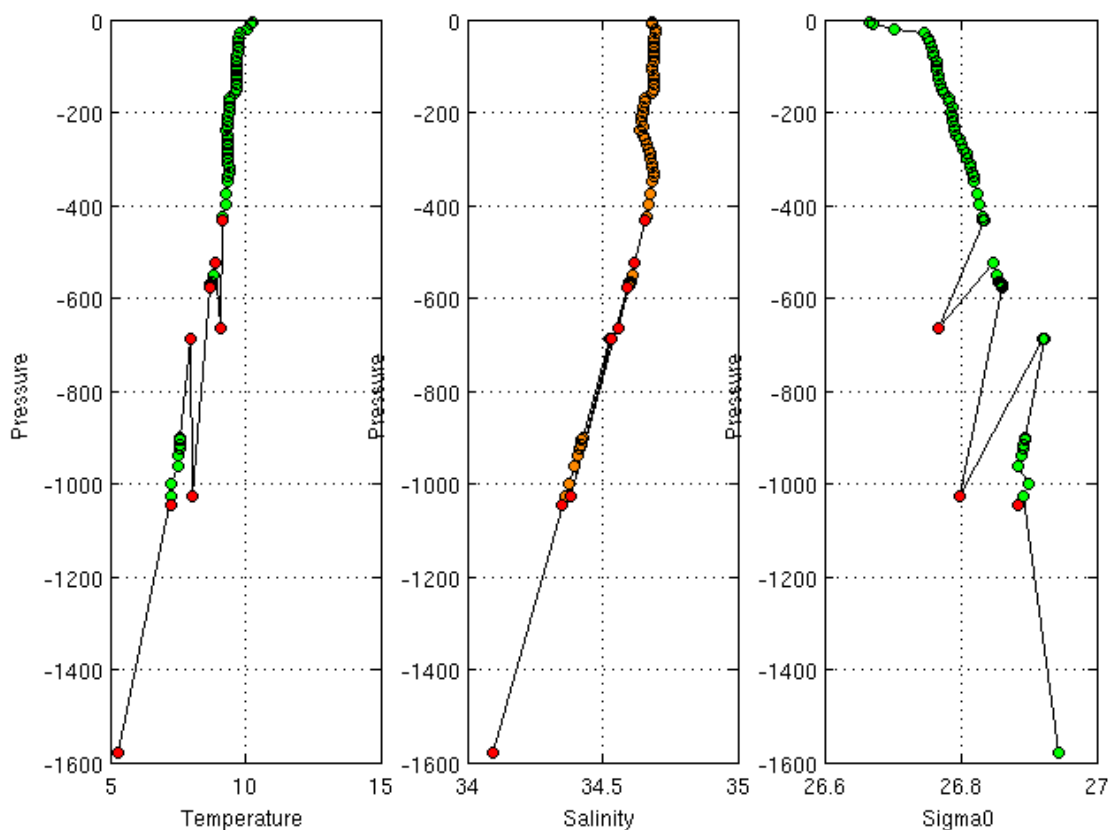
**Warning Objective Analysis Anomalies 2013 November TEMP PSAL - DAC CS**



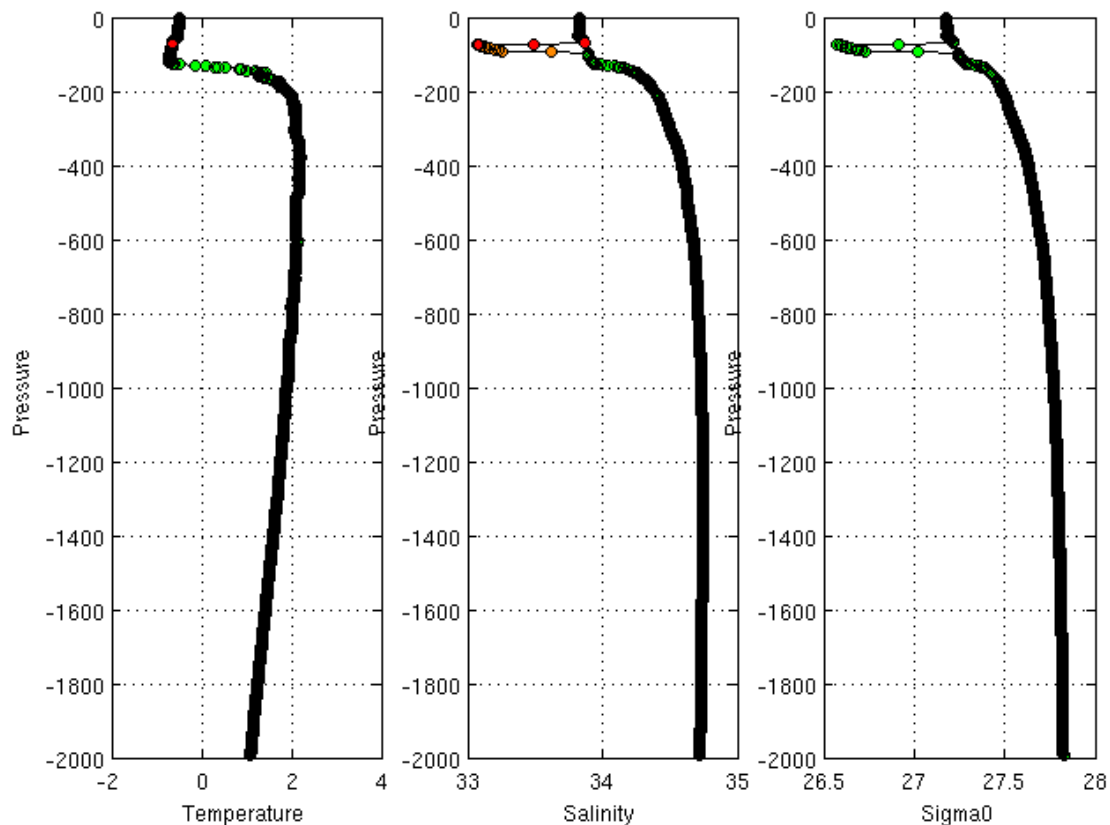
DAC\_CODE,PLATFORM\_CODE,CV\_NUMBER,DATE\_UPDATE,DIRECTION,WEB\_URL,PARAMETER,START\_IMMERSION,STOP\_IMMERSION,OLD\_QC,NEW\_QC  
 CS,5903266,122,14/10/2013 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=30852375 ,PSAL,500.4,525.3,1,3  
 CS,5903266,122,14/10/2013 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=30852375 ,TEMP,500.4,525.3,1,3  
 CS,5903914,71,04/11/2013 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=31038734 ,PSAL,4.8,4.8,1,4  
 CS,5903937,65,09/11/2013 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=31104310 ,PSAL,1488,1502,1,4  
 CS,5904220,130,10/11/2013 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=31104789 ,PSAL,31.4,34.8,1,4  
 CS,5903914,72,14/11/2013 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=31113916 ,PSAL,3.8,3.8,1,4  
 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,5904233,29,11/11/2013 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=31110560 ,PSAL,60,76,1,4  
 CS,5904233,29,11/11/2013 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=31110560 ,PSAL,92,116,1,4  
 CS,5903671,102,26/11/2013 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=31683802 ,PSAL,78,94,1,4  
 CS,5904222,139,27/11/2013 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=31697691 ,PSAL,1512,1512,1,3  
 CS,5901700,175,07/11/2013 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=31055530 ,PSAL,688,688,1,4  
 CS,5901700,175,07/11/2013 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=31055530 ,TEMP,688,688,1,4  
 CS,5901700,176,17/11/2013 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=31133050 ,TEMP,449.5,507.7,1,4  
 CS,5901700,176,17/11/2013 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=31133050 ,TEMP,769.8,859.1,1,4  
 CS,5901700,176,17/11/2013 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=31133050 ,TEMP,909.3,909.3,1,4  
 CS,5901700,176,17/11/2013 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=31133050 ,TEMP,927.5,986.6,1,4  
 CS,5901700,176,17/11/2013 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=31133050 ,PSAL,449.5,507.7,1,4  
 CS,5901700,176,17/11/2013 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=31133050 ,PSAL,769.8,859.1,1,4  
 CS,5901700,176,17/11/2013 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=31133050 ,PSAL,909.3,909.3,1,4  
 CS,5901700,176,17/11/2013 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=31133050 ,PSAL,927.5,986.6,1,4  
 CS,5903913,75,24/11/2013 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=31532490 ,PSAL,74,74,1,4  
 CS,5903913,75,24/11/2013 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=31532490 ,PSAL,100,100,1,4  
 CS,5903913,75,24/11/2013 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=31532490 ,PSAL,105.9,105.9,1,4

Example of corrections:

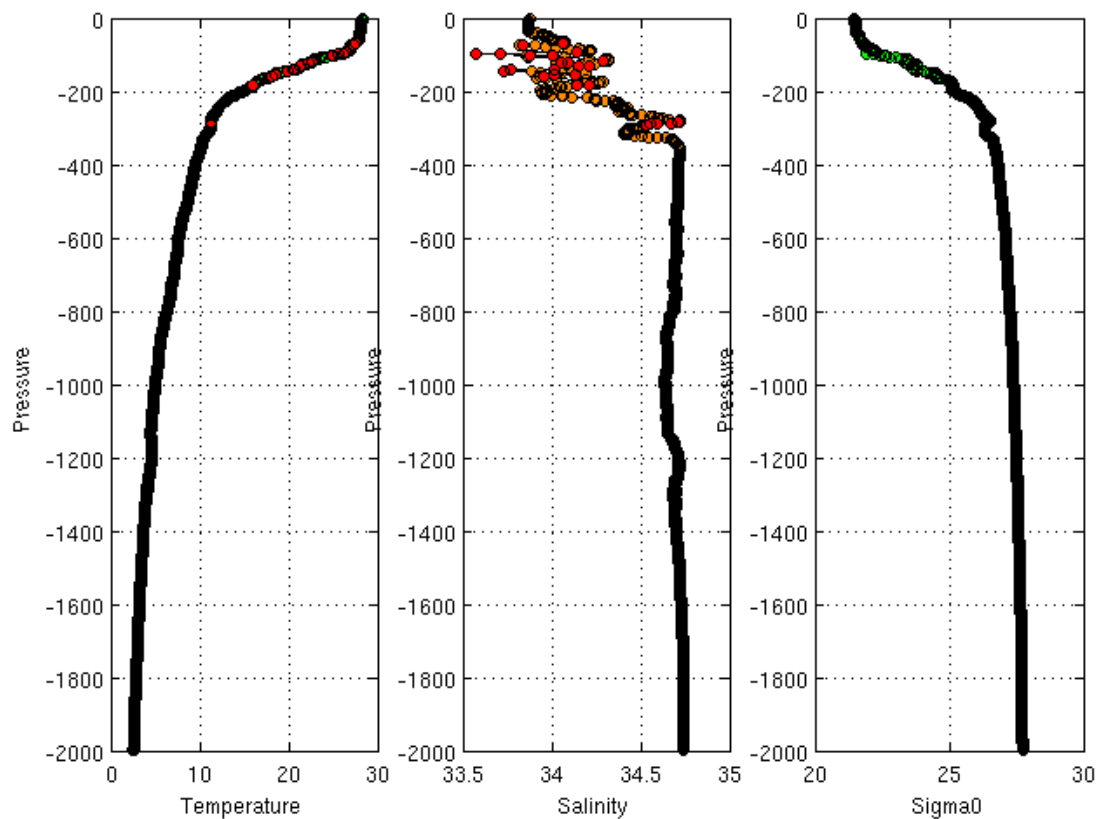
### Warning Objective Analysis Anomalies 2013 November TEMP PSAL : DAC CS- Float 5901700-175



Warning Objective Analysis Anomalies 2013 November TEMP PSAL : DAC CS- Float 5903671-102

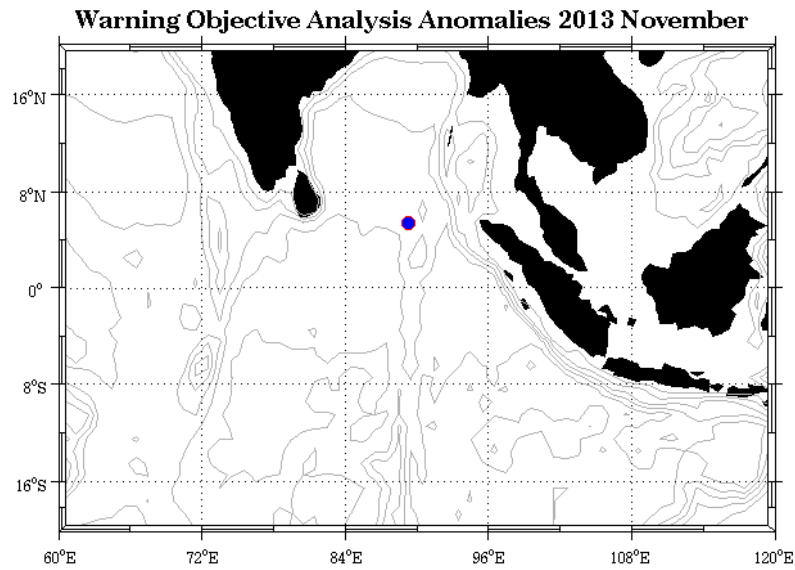


Warning Objective Analysis Anomalies 2013 November TEMP PSAL : DAC CS- Float 5903913-75



## 5. DAC INCOIS

Profiles detected by the objective analysis: 1

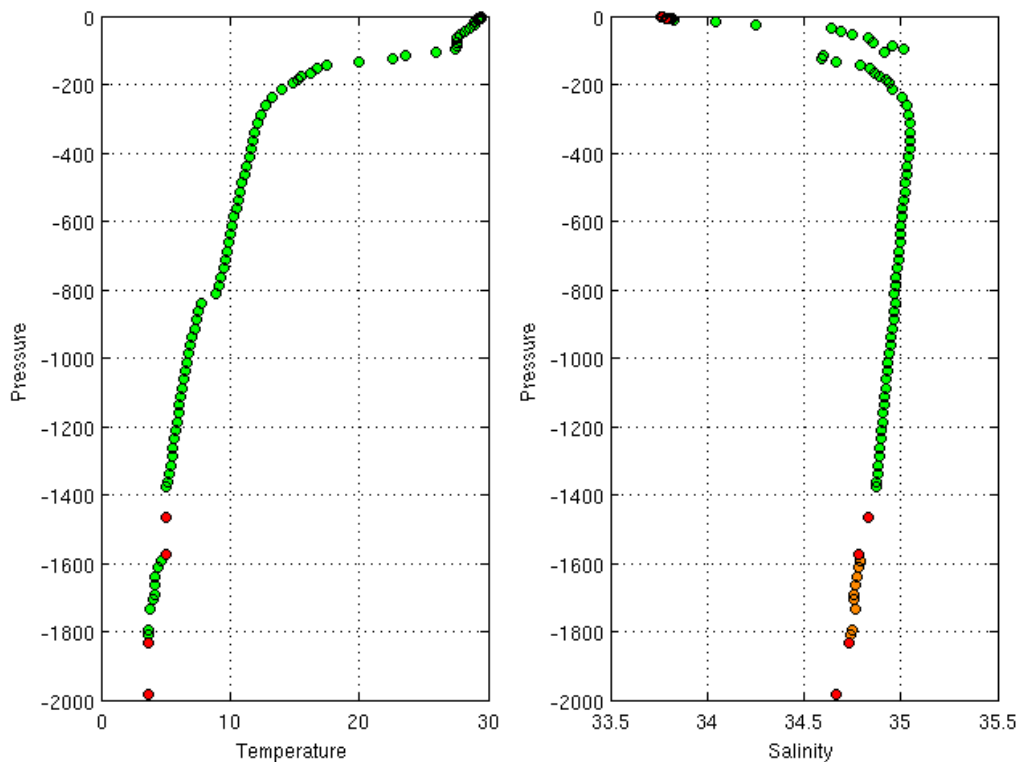


**Status of corrections: Done for PROVOR (Coriolis)**

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

Float : 2902081 - Cycle : 46 - PI : M Ravichandran - Data mode : R - INST REF :PROVOR OIN 12IND-ARL-17 - Date : 2013 11 24

**Warning Objective Analysis Anomalies 2013 November TEMP PSAL - DAC IN**

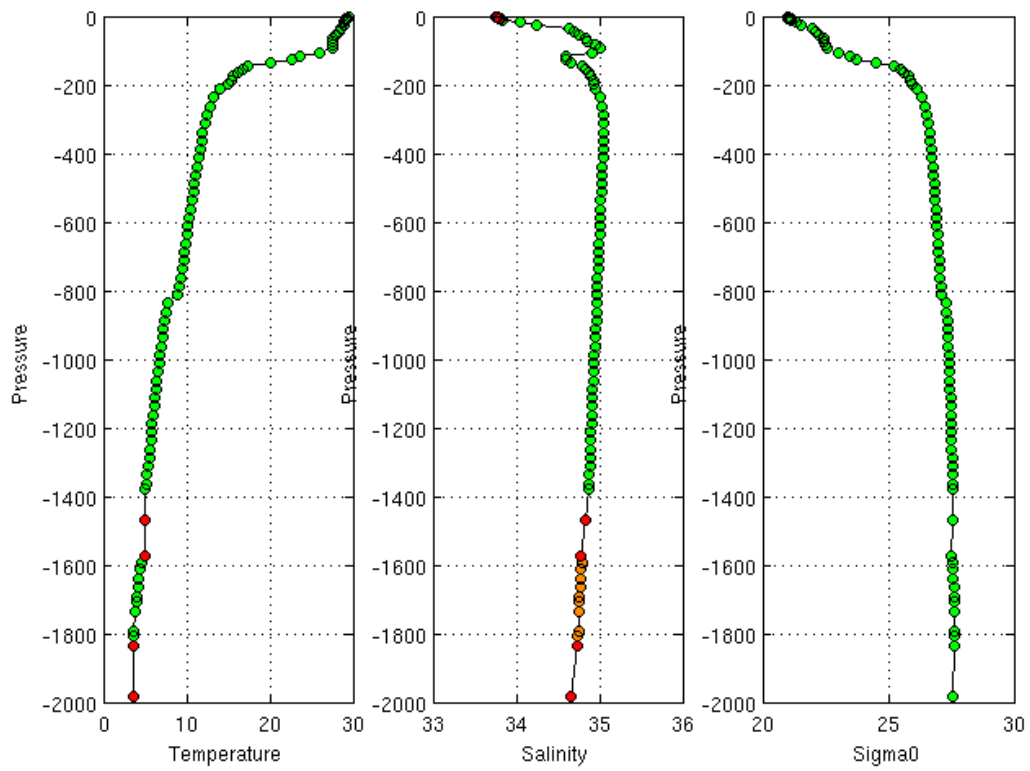


DAC\_CODE,PLATFORM\_CODE,CV\_NUMBER,DATE\_UPDATE,DIRECTION,WEB\_URL,PARAMETER,START\_IMMERSION,STOP\_IMMERSION,OLD\_QC,NEW\_QC  
IN,2902081,46,29/11/2013 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=31525829 ,PSAL,1809,1592,1,3



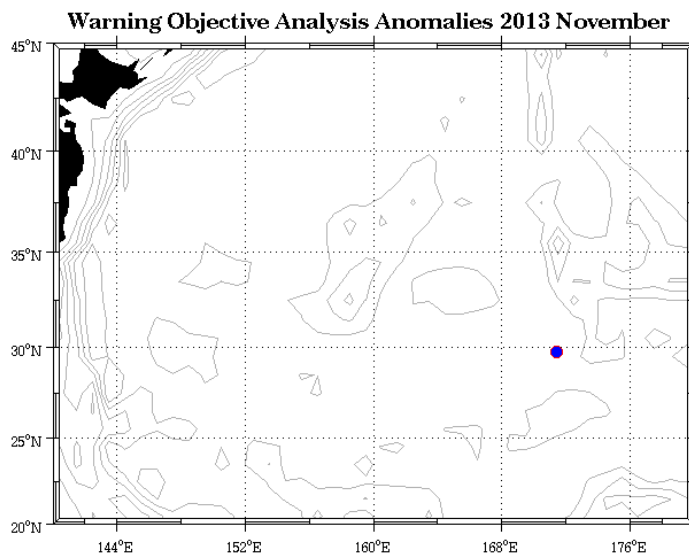
Example of corrections:

Warning Objective Analysis Anomalies 2013 November TEMP PSAL : DAC IN- Float 2902081-46



## 6. DAC JMA/JAMSTEC

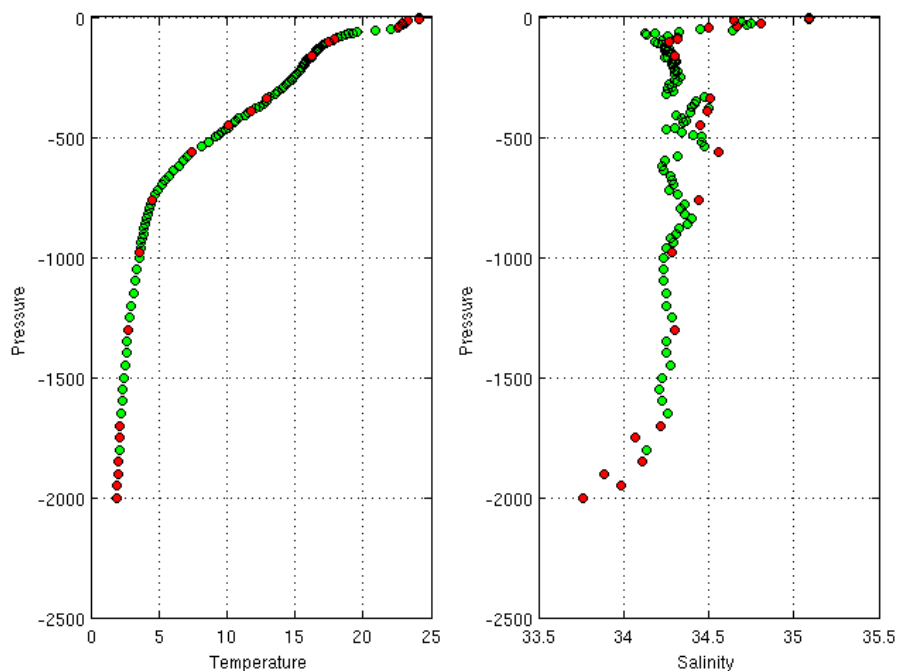
Profiles detected by the objective analysis: 1



**Status of corrections: NOT DONE**

Float : 2902458 - Cycle : 8 - PI : JAMSTEC - Data mode : R - INST REF : ARVOR-SBE OIN-13JAP-ARL-10 - Date : 2013 11 6

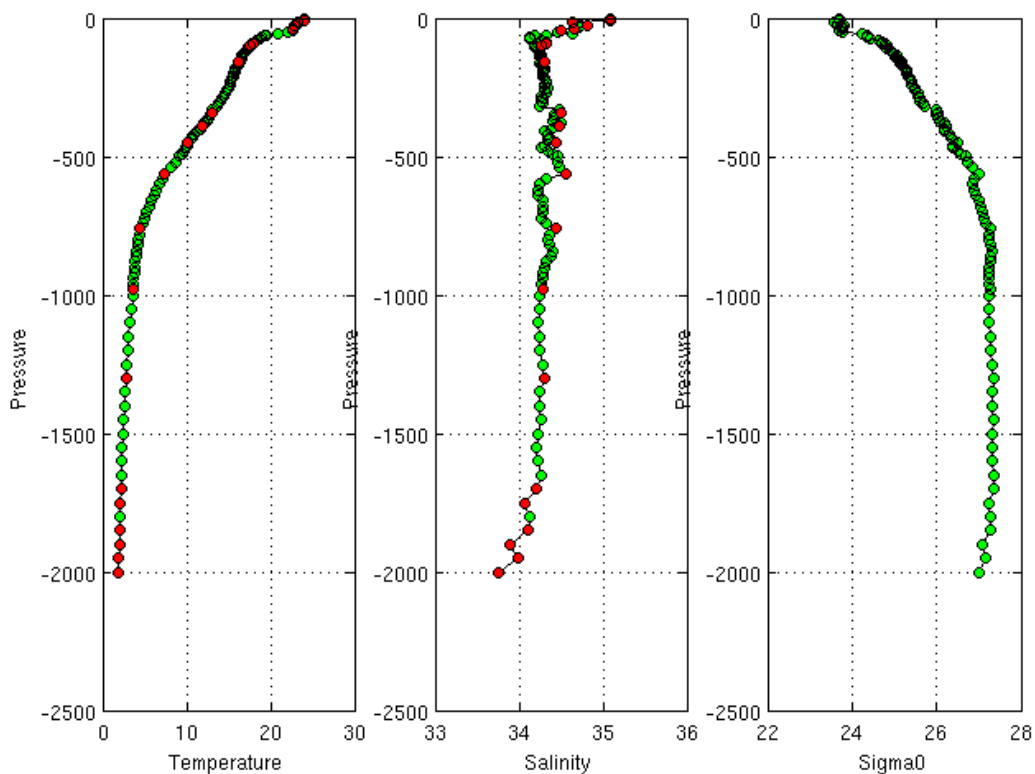
Warning Objective Analysis Anomalies 2013 November TEMP PSAL - DAC JA



DAC\_CODE,PLATFORM\_CODE,CV\_NUMBER,DATE\_UPDATE,DIRECTION,WEB\_URL,PARAMETER,START\_IMMERSION,STOP\_IMMERSION,OLD\_QC,NEW\_QC  
JA,2902458,8,10/11/2013 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=31086075> ,PSAL,330.4,330.4,1,4  
JA,2902458,8,10/11/2013 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=31086075> ,PSAL,349.5,380.4,1,4  
JA,2902458,8,10/11/2013 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=31086075> ,PSAL,399.9,440.1,1,4  
JA,2902458,8,10/11/2013 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=31086075> ,PSAL,459.7,541.1,1,4  
JA,2902458,8,10/11/2013 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=31086075> ,PSAL,580.5,740.3,1,4  
JA,2902458,8,10/11/2013 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=31086075> ,PSAL,780.3,960.1,1,4

Example of anomalies: density inversion

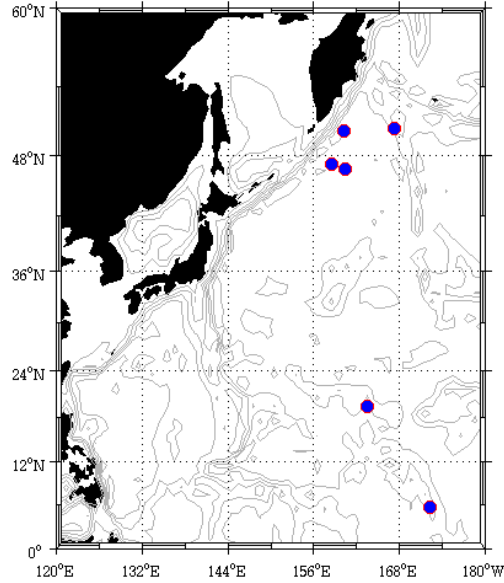
**Warning Objective Analysis Anomalies 2013 November TEMP PSAL : DAC JA- Float 2902458-8**



## 7. DAC KMA

Profiles detected by the objective analysis: 6

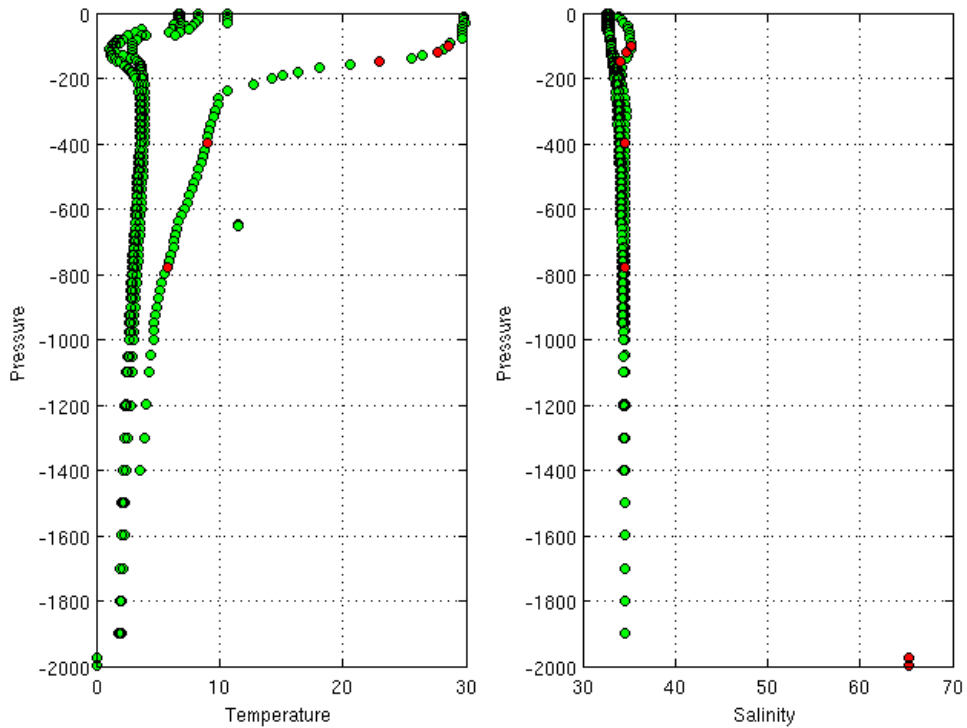
### Warning Objective Analysis Anomalies 2013 November



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

Float : 2900890 - Cycle : 193 - PI : Jang-Won Seo - Data mode : R - INST REF : APEX Profiling Float - Date : 2013 10 2  
Float : 2901225 - Cycle : 147 - PI : Sang-Buem Ryu - Data mode : R - INST REF : APEX Profiling Float - Date : 2013 11 15  
Float : 2901712 - Cycle : 9 - PI : Young-Hwa Kim - Data mode : R - INST REF : APEX Profiling Float - Date : 2013 11 1  
Float : 2901713 - Cycle : 6 - PI : Young-Hwa Kim - Data mode : R - INST REF : APEX Profiling Float - Date : 2013 10 2  
Float : 2901714 - Cycle : 9 - PI : Young-Hwa Kim - Data mode : R - INST REF : APEX Profiling Float - Date : 2013 11 2  
Float : 2901716 - Cycle : 9 - PI : Young-Hwa Kim - Data mode : R - INST REF : APEX Profiling Float - Date : 2013 11 2

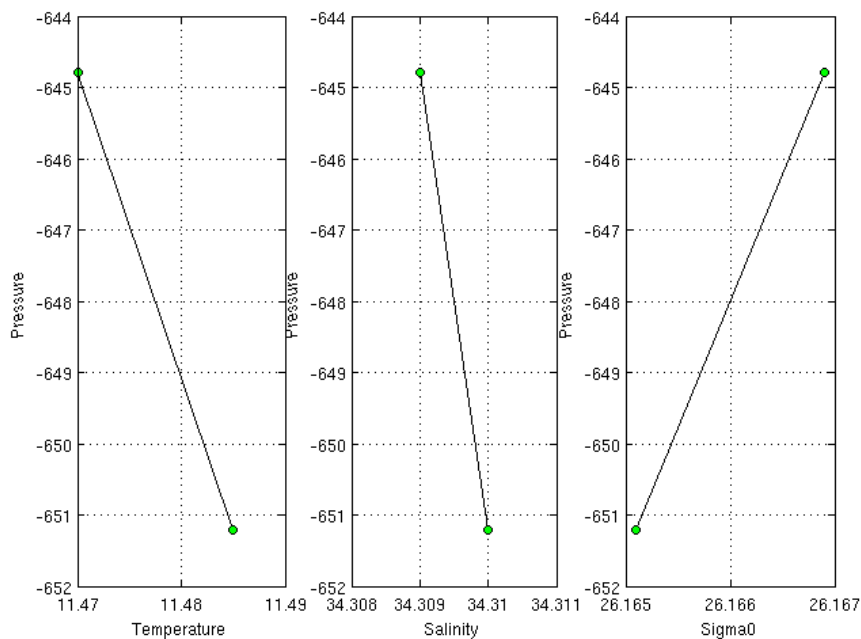
### Warning Objective Analysis Anomalies 2013 November TEMP PSAL - DAC KM



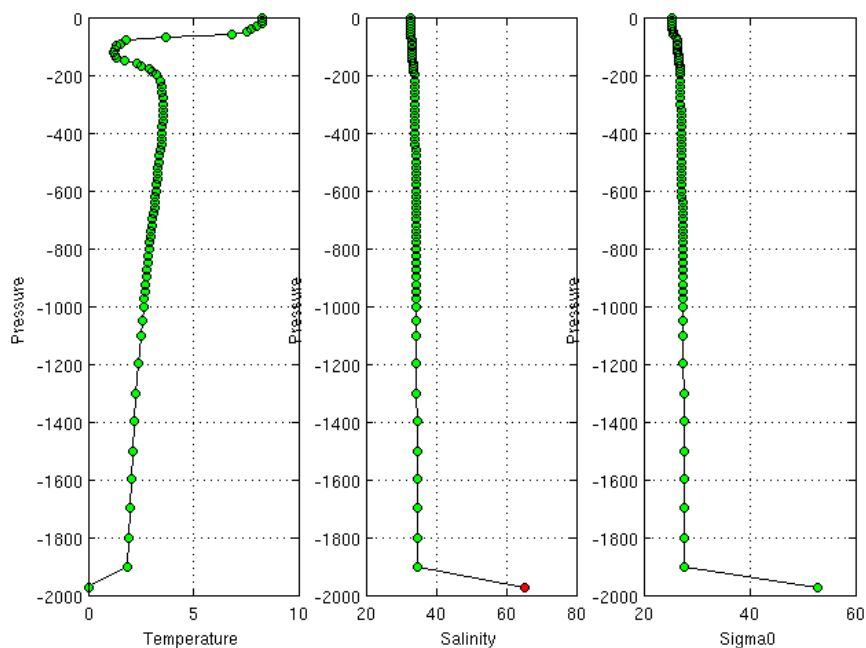
DAC\_CODE,PLATFORM\_CODE,CV\_NUMBER,DATE\_UPDATE,DIRECTION,WEB\_URL,PARAMETER,START\_IMMERSION,STOP\_IMMERSION,OLD\_QC,NEW\_QC  
 KM,2900890,193,03/10/2013 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=30748191 ,PSAL,644.8,651.2,1,4  
 KM,2900890,193,03/10/2013 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=30748191 ,TEMP,644.8,651.2,1,4  
 KM,2901713,6,03/10/2013 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=30750813 ,TEMP,1997.5,1997.5,1,4  
 KM,2901712,9,02/11/2013 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=31055818 ,TEMP,1971.9,1971.9,1,4  
 KM,2901714,9,03/11/2013 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=31055824 ,TEMP,1997.5,1997.5,1,4  
 KM,2901716,9,03/11/2013 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=31055830 ,TEMP,1997.5,1997.5,1,4  
 KM,2901712,9,02/11/2013 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=31055818 ,TEMP,1971.9,1971.9,1,4  
 KM,2901714,9,03/11/2013 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=31055824 ,TEMP,1997.5,1997.5,1,4  
 KM,2901716,9,03/11/2013 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=31055830 ,TEMP,1997.5,1997.5,1,4  
 KM,2901225,147,16/11/2013 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=31145043 ,PSAL,159.2,159.2,1,4  
 KM,2901225,147,16/11/2013 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=31145043 ,PSAL,159.2,159.2,1,4

Example of anomalies:

Warning Objective Analysis Anomalies 2013 November TEMP PSAL : DAC KM- Float 2900890-193



Warning Objective Analysis Anomalies 2013 November TEMP PSAL : DAC KM- Float 2901712-9



## 8. DAC KORDI

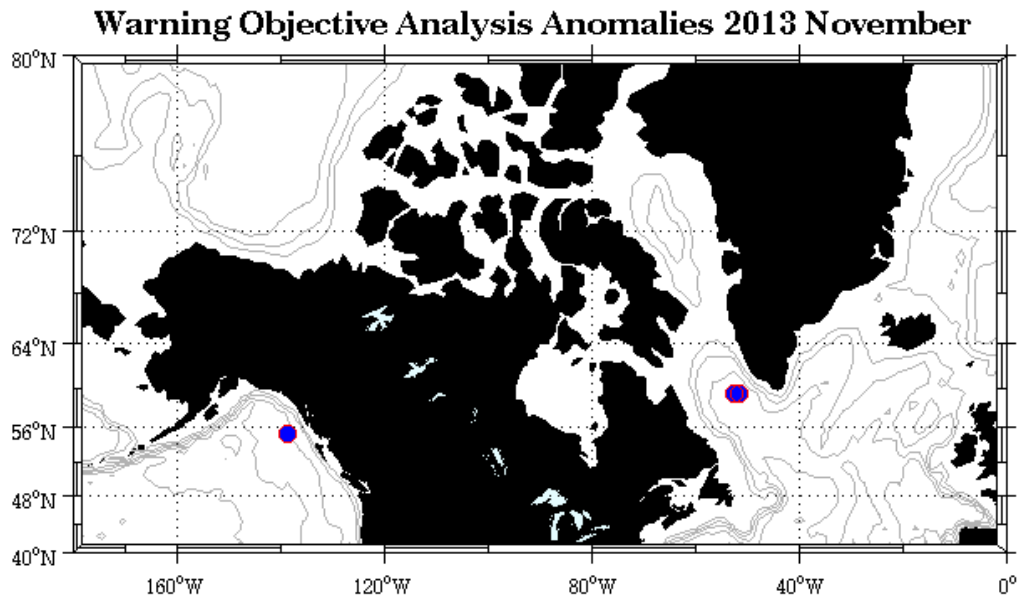
Profiles detected by the objective analysis: 0

Status of corrections:

Example of anomalies:

## 9. DAC MEDS

Profiles detected by the objective analysis: 3



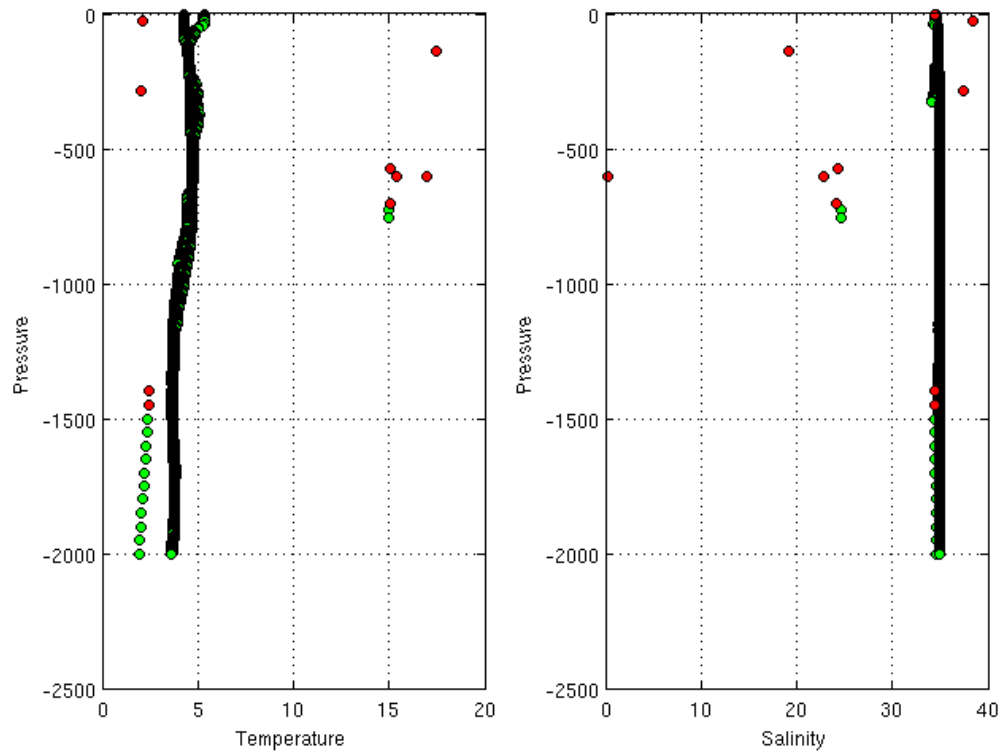
**Status of corrections: NOT DONE, NO FEEDBACK**

Float : 4901136 - Cycle : 124 - PI : Denis Gilbert - Data mode : A - INST REF : APEX-SBE/OPTODE - Date : 2013 11 20

Float : 4901200 - Cycle : 49 - PI : Denis Gilbert - Data mode : A - INST REF : NOVA-SBE - Date : 2013 10 21

Float : 4901200 - Cycle : 51 - PI : Denis Gilbert - Data mode : A - INST REF : NOVA-SBE - Date : 2013 11 10

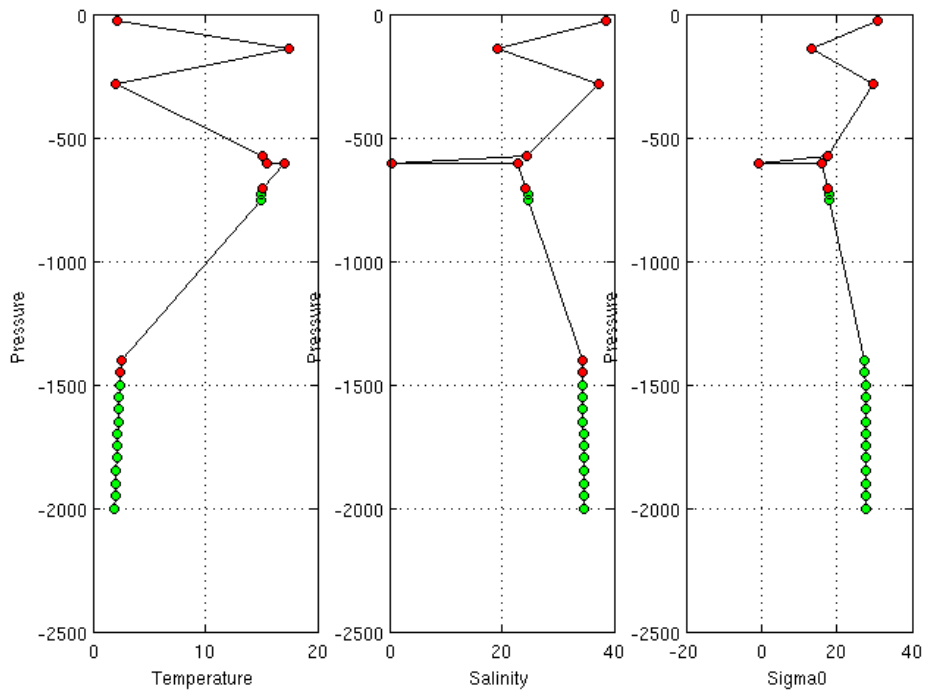
### Warning Objective Analysis Anomalies 2013 November TEMP PSAL - DAC ME



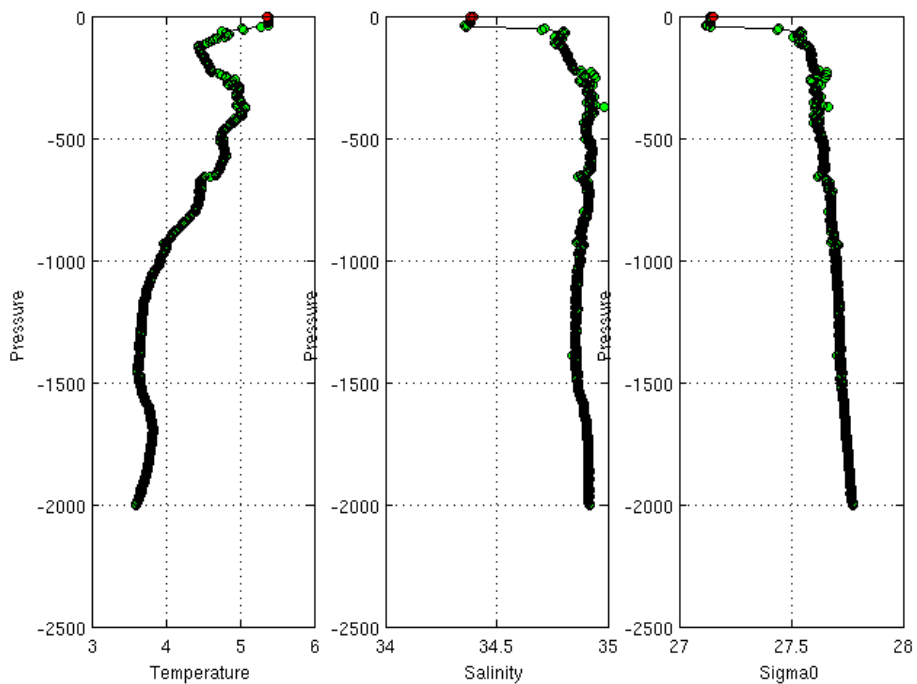
ME,4901200,51,12/11/2013 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=31122009> ,PSAL,199.2,329.3,1,4  
 ME,4901200,51,12/11/2013 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=31122009> ,PSAL,199.2,329.3,1,4  
 ME,4901200,49,21/10/2013 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=30954491> ,PSAL,370.6,370.6,1,3  
 ME,4901200,49,21/10/2013 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=30954491> ,PSAL,649.8,655.1,3  
 ME,4901200,49,21/10/2013 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=30954491> ,PSAL,1389.6,1389.6,1,3  
 ME,4901136,124,21/11/2013 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=31322390> ,TEMP,729.4,755.1,4  
 ME,4901136,124,21/11/2013 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=31322390> ,PSAL,729.4,755.1,4

Example of anomalies:

Warning Objective Analysis Anomalies 2013 November TEMP PSAL : DAC ME- Float 4901136-124



Warning Objective Analysis Anomalies 2013 November TEMP PSAL : DAC ME- Float 4901200-49





## 10. DAC NMDIS

Profiles detected by the objective analysis: 0

**Status of corrections:**

**Example of anomalies:**

## 11. Delayed Mode Anomalies

### 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" ;
DATA_MODE = "D" ;
PSAL =
```



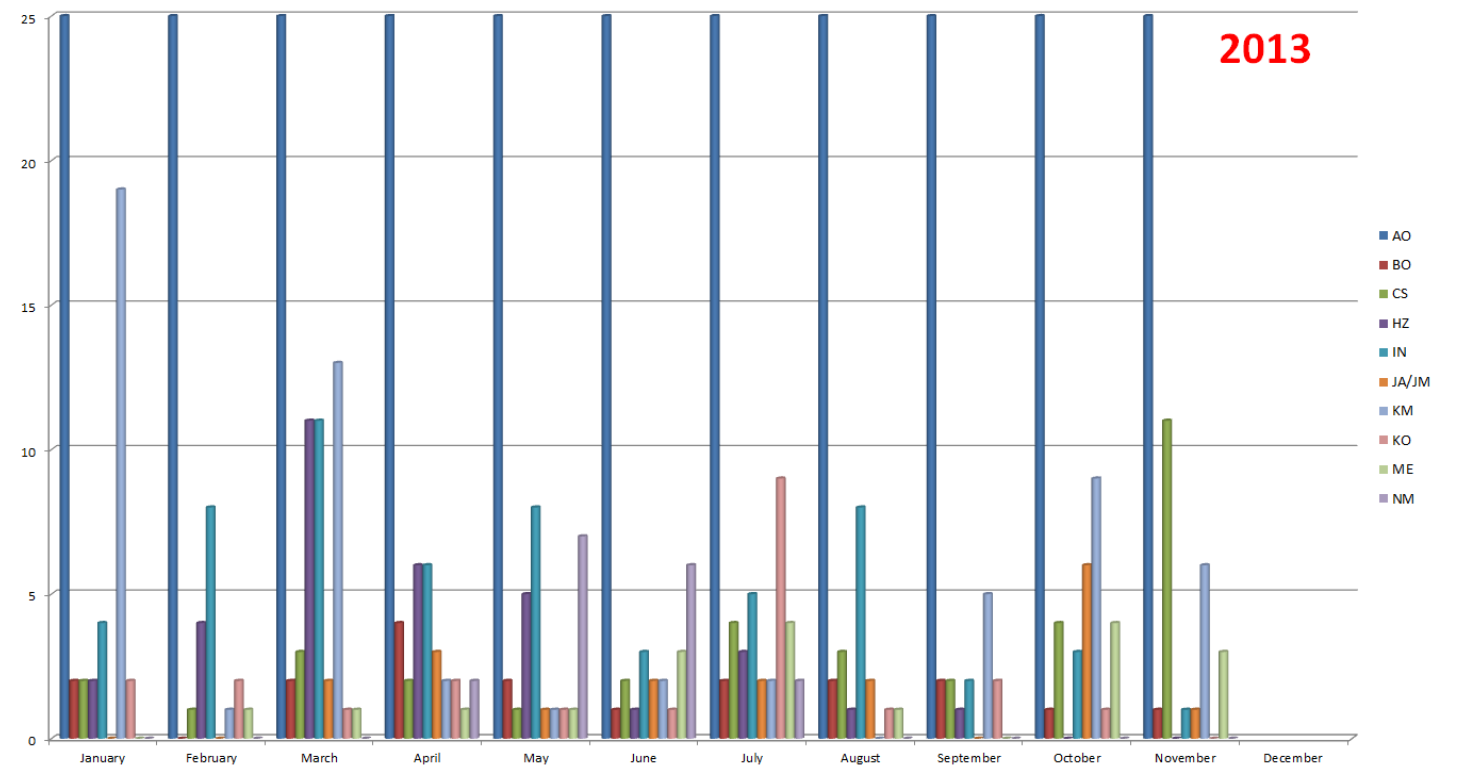
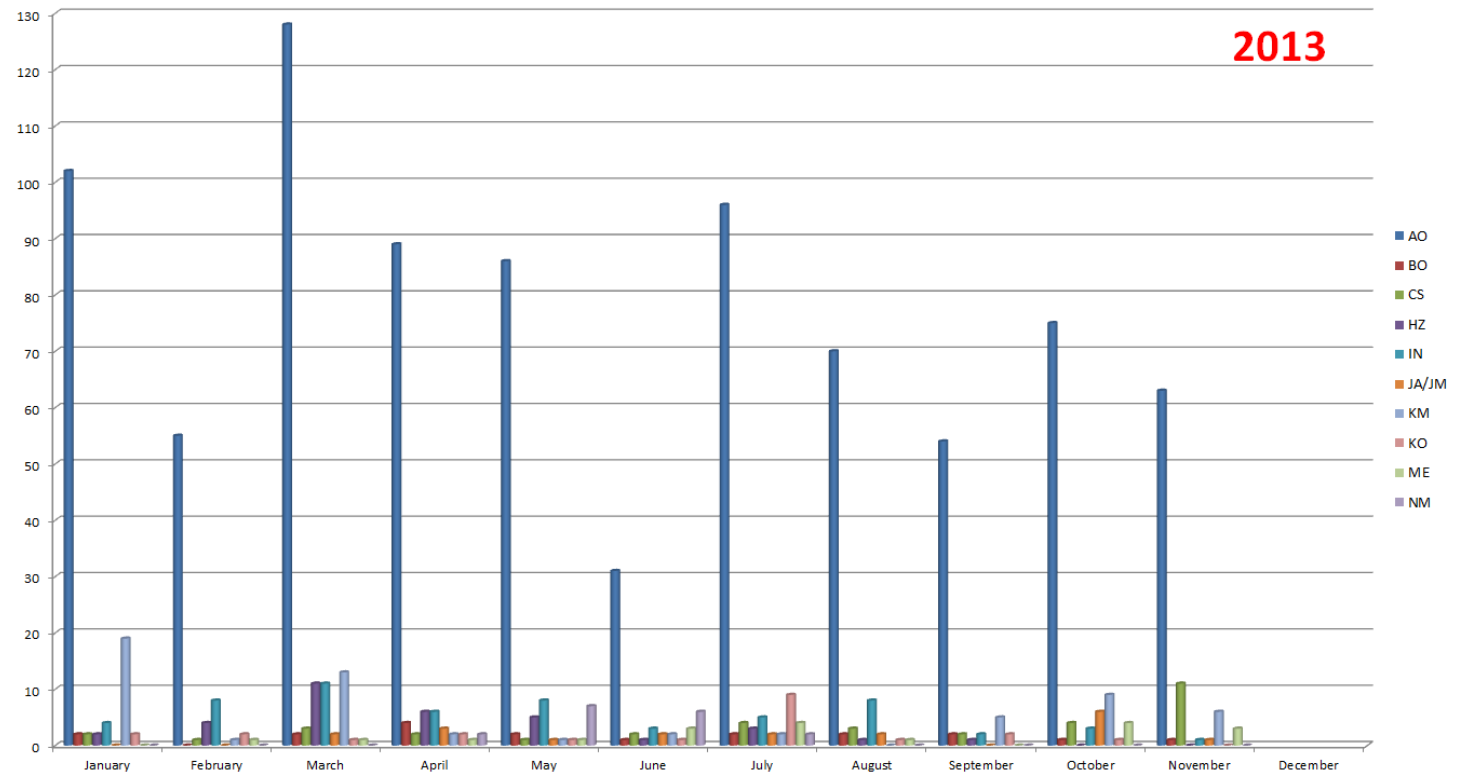
**2901632** : all cycles with data\_state\_indicator="2C" – DM files but still R\*\*\*.nc and data\_mode='R'

```
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

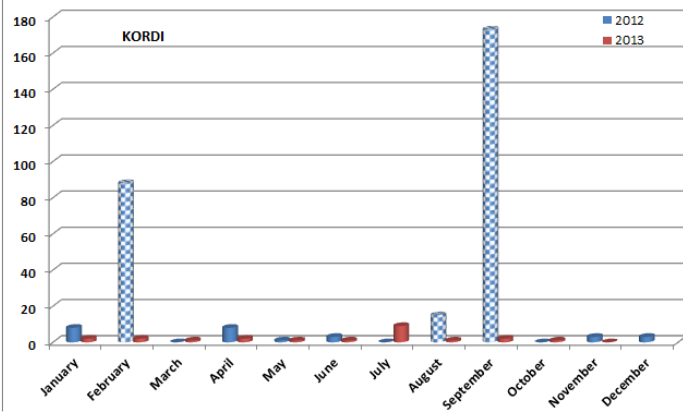
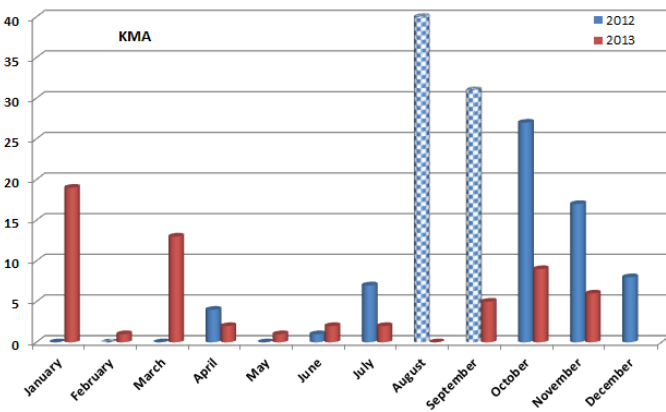
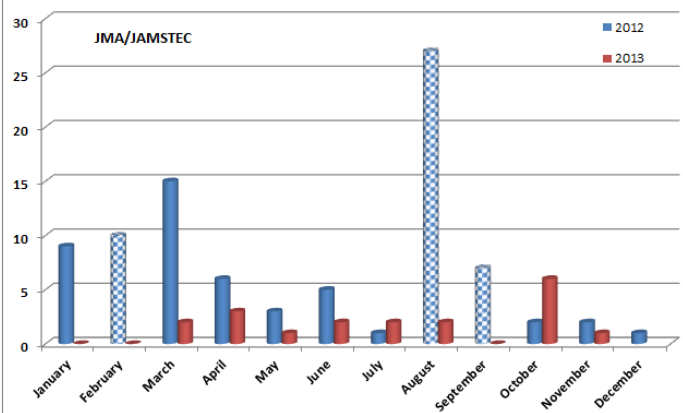
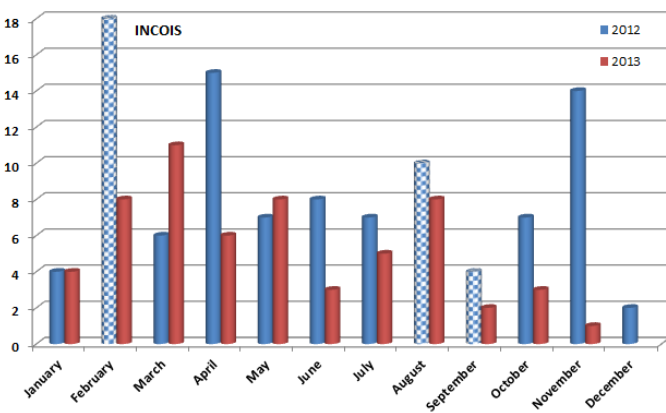
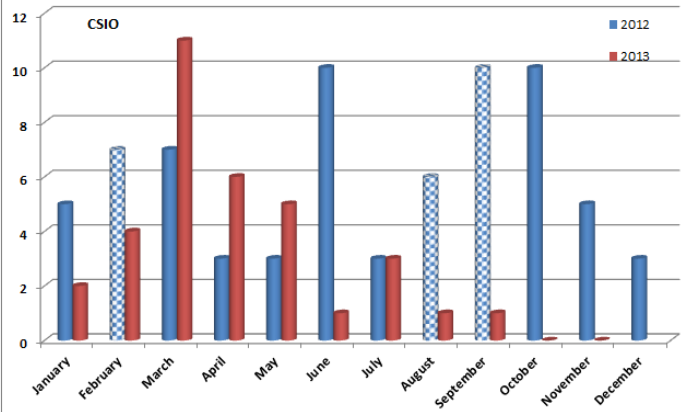
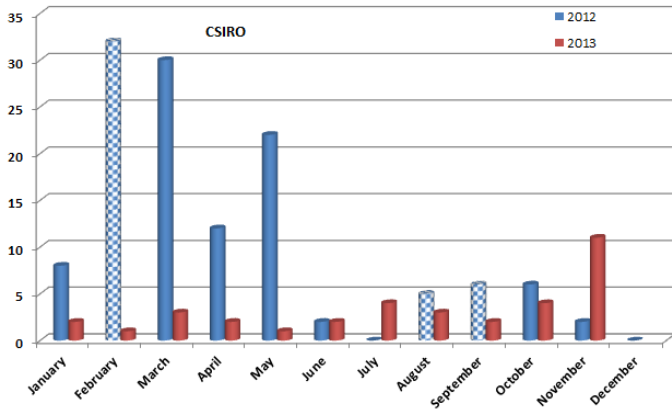
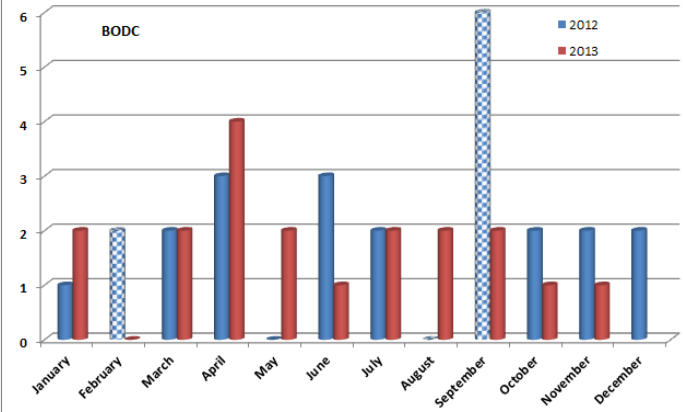
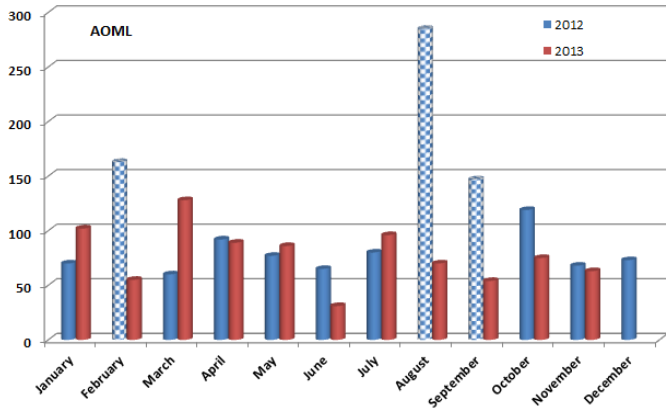
Plots showing evolution of number of anomalies by DAC.

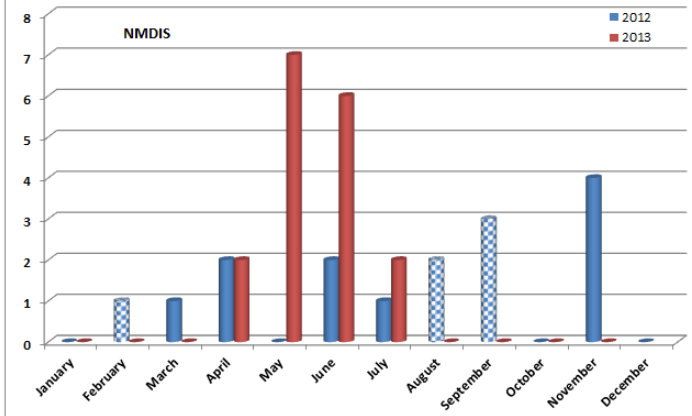
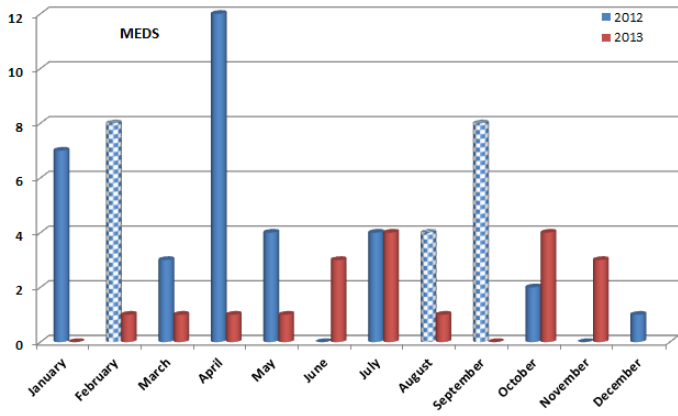
### 12.1. Year



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

## 12.2. DAC





### 12.3. Anomalies by year, by month

