



Anomalies on Argo profiles

From warning objective analysis, netcdf file analysis

September 2014

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Coriolis

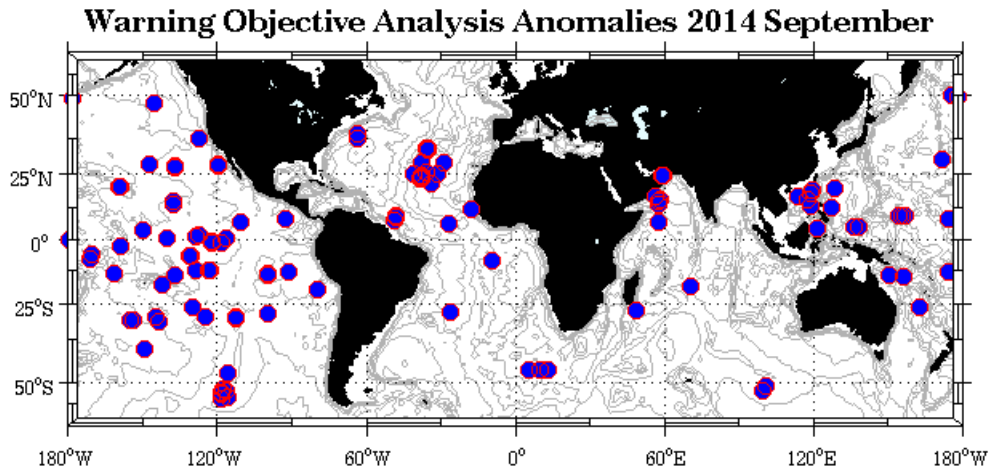
Anomalies by DAC

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1. DAC AOML

Profiles detected by the objective analysis: 135

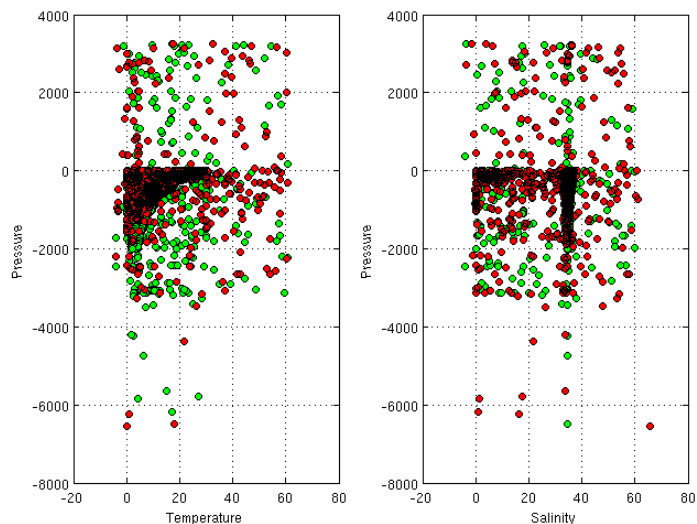


Status of corrections: Done for few profiles – still a lot of bad QC no corrected

Float : 1900727 - Cycle : 245 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX - Date : 2014 8 31
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Float : 1900976 - Cycle : 191 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : APEX - Date : 2014 9 17
Float : 1900976 - Cycle : 192 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : APEX - Date : 2014 9 28
Float : 1901416 - Cycle : 171 - PI : DEAN ROEMMICH - Data mode : R - INST REF : SOLO - Date : 2014 8 28
Float : 1901482 - Cycle : 145 - PI : BRECK OWENS - Data mode : R - INST REF : SOLO-W - Date : 2014 9 14
Float : 1901504 - Cycle : 120 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2014 8 9
Float : 1901504 - Cycle : 121 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2014 8 19
Float : 1901504 - Cycle : 122 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2014 8 29
Float : 1901504 - Cycle : 123 - PI : BRECK OWENS - Data mode : R - INST REF : SOLO-W - Date : 2014 9 8
Float : 1901540 - Cycle : 112 - PI : BRECK OWENS - Data mode : R - INST REF : SOLO-W - Date : 2014 8 30
Float : 2901418 - Cycle : 192 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2014 8 23
Float : 2901418 - Cycle : 197 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : APEX - Date : 2014 9 12
Float : 2901418 - Cycle : 198 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : APEX - Date : 2014 9 16
Float : 2901418 - Cycle : 199 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : APEX - Date : 2014 9 20
Float : 2901418 - Cycle : 200 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : APEX - Date : 2014 9 24
Float : 2901453 - Cycle : 89 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2014 8 21
Float : 2901453 - Cycle : 90 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : APEX - Date : 2014 8 25
Float : 2901453 - Cycle : 91 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : APEX - Date : 2014 8 29
Float : 2901466 - Cycle : 36 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : APEX - Date : 2014 8 20
Float : 2901469 - Cycle : 23 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2014 9 3
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Float : 3900804 - Cycle : 151 - PI : Gregory C. Johnson - Data mode : R - INST REF : - Date : 2014 8 30
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Float : 3901157 - Cycle : 51 - PI : Gregory C. Johnson - Data mode : R - INST REF : - Date : 2014 8 11
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Float : 4901542 - Cycle : 52 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : NAVISIR - Date : 2014 9 21
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Float : 4901586 - Cycle : 38 - PI : Breck Owens, Steve Jayne, and P.E. Robbi - Data mode : R - INST REF : - Date : 2014 8 28
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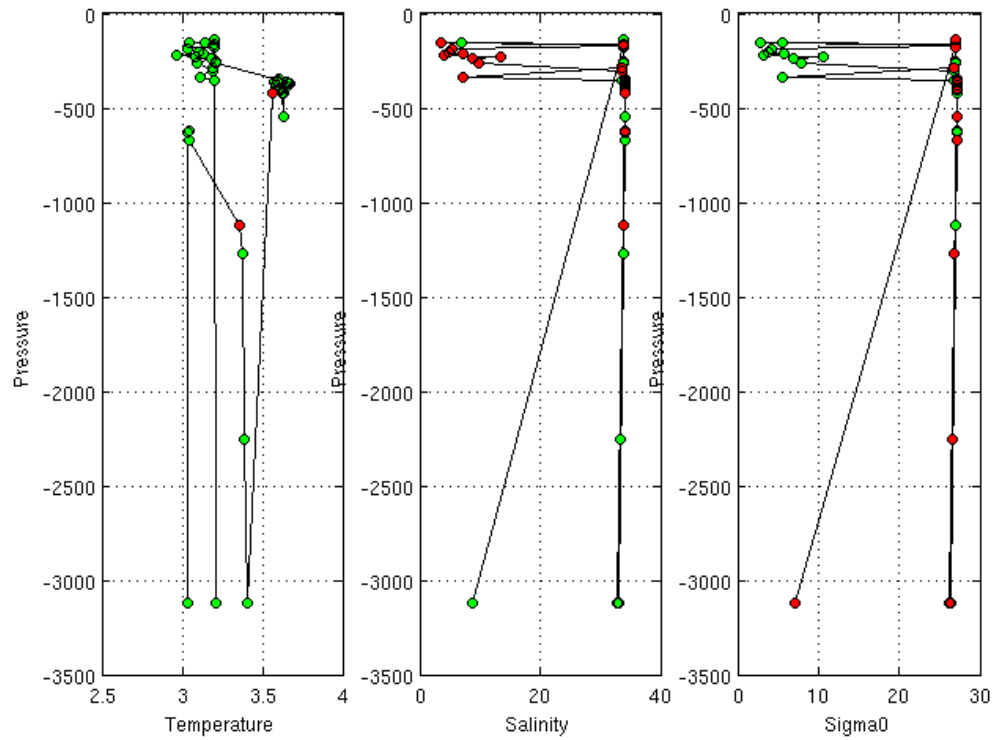
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 Float : 5904286 - Cycle : 7 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : NAVISIR - Date : 2014 9 12
 Float : 5904317 - Cycle : 110 - PI : DAN RUDNICK - Data mode : R - INST REF : - Date : 2014 9 6
 Float : 5904325 - Cycle : 83 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2014 9 3
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 Float : 5904325 - Cycle : 88 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : APEX - Date : 2014 9 23
 Float : 5904336 - Cycle : 46 - PI : DEAN ROEMMICH - Data mode : R - INST REF : SOLO_II - Date : 2014 9 24
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 Float : 5904498 - Cycle : 33 - PI : DEAN ROEMMICH - Data mode : R - INST REF : - Date : 2014 8 24
 Float : 5904563 - Cycle : 17 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : APEX - Date : 2014 9 16

Warning Objective Analysis Anomalies 2014 September TEMP PSAL - DAC AO

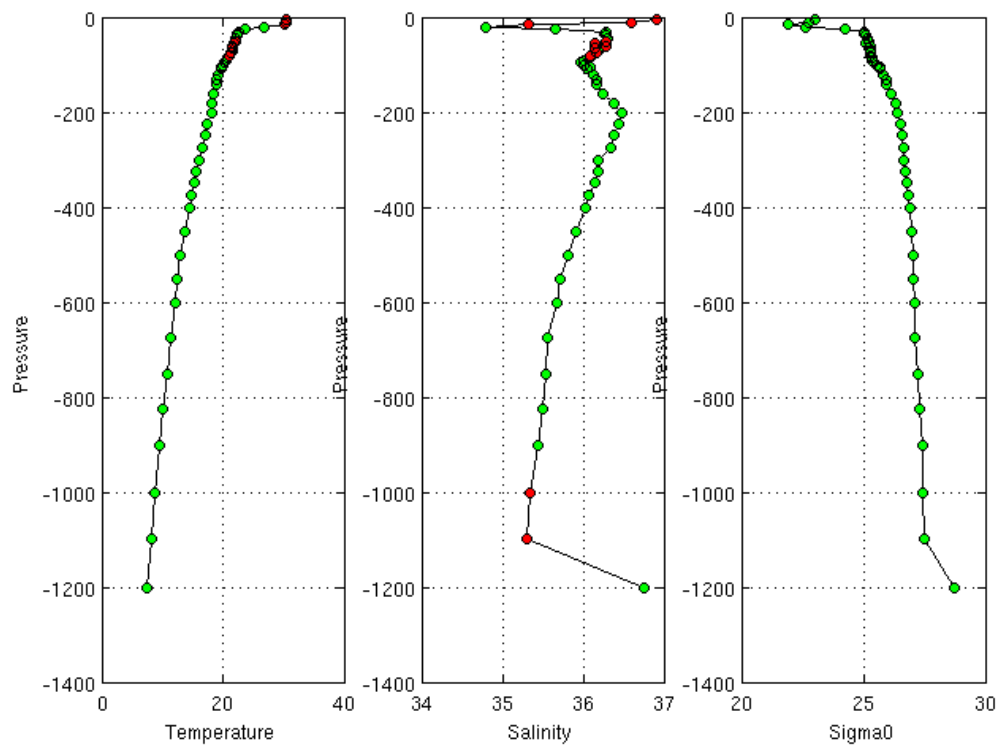


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AO,5903721,132,29/08/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34080556 ,PSAL,470.2,480.5,1,4
AO,5903721,132,29/08/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34080556 ,PSAL,500,535.3,1,4
AO,5903721,132,29/08/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34080556 ,PSAL,560.5,560.5,1,4
AO,5903721,132,29/08/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34080556 ,PSAL,595.2,649.9,1,4
AO,5903721,132,29/08/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34080556 ,PSAL,664.5,670.7,1,4
AO,5903721,132,29/08/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34080556 ,PSAL,694.5,704.8,1,4
AO,5903721,132,29/08/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34080556 ,PSAL,720,729.6,1,4
AO,5903721,132,29/08/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34080556 ,PSAL,745.7,780.8,1,4
AO,5903721,132,29/08/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34080556 ,PSAL,795.4,825.1,4
AO,2901453,91,29/08/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34082789 ,PSAL,69.6,1100.2,1,3
AO,4901586,38,29/08/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34082798 ,PSAL,1982,2003.7,1,4
AO,1901504,122,30/08/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34082917 ,PSAL,550,550,1,4
AO,1901504,122,30/08/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34082917 ,TEMP,550,550,1,4
AO,1901504,122,30/08/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34082917 ,TEMP,650,850,1,4
AO,1901504,122,30/08/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34082917 ,TEMP,950,1000,1,4
AO,1901540,112,30/08/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34085538 ,PSAL,1,1,1,4
AO,1900727,245,01/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34087749 ,TEMP,0,0,1,4
AO,3901157,51,12/08/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=33938893 ,PSAL,1000,1096,1,4
AO,3901157,51,12/08/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=33938893 ,PSAL,1102,1104,1,4
AO,3901157,51,12/08/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=33938893 ,PSAL,1112,1130,1,4
AO,5903721,131,28/08/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34026114 ,PSAL,7.7,17.2,1,4
AO,5903721,131,28/08/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34026114 ,PSAL,32,65.5,1,4
AO,5903721,131,28/08/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34026114 ,PSAL,85.4,90.7,1,4
AO,5903721,131,28/08/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34026114 ,PSAL,110.6,110.6,1,4
AO,5903721,131,28/08/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34026114 ,PSAL,125.4,345.6,1,4
AO,5903721,131,28/08/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34026114 ,PSAL,359.8,375.2,1,4

Warning Objective Analysis Anomalies 2014 September TEMP PSAL : DAC AO- Float 1900976-192



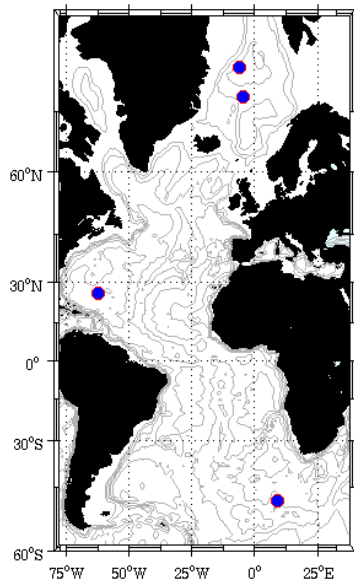
Warning Objective Analysis Anomalies 2014 September TEMP PSAL : DAC AO- Float 2901418-197



2. DAC BODC

Profiles detected by the objective analysis: 4

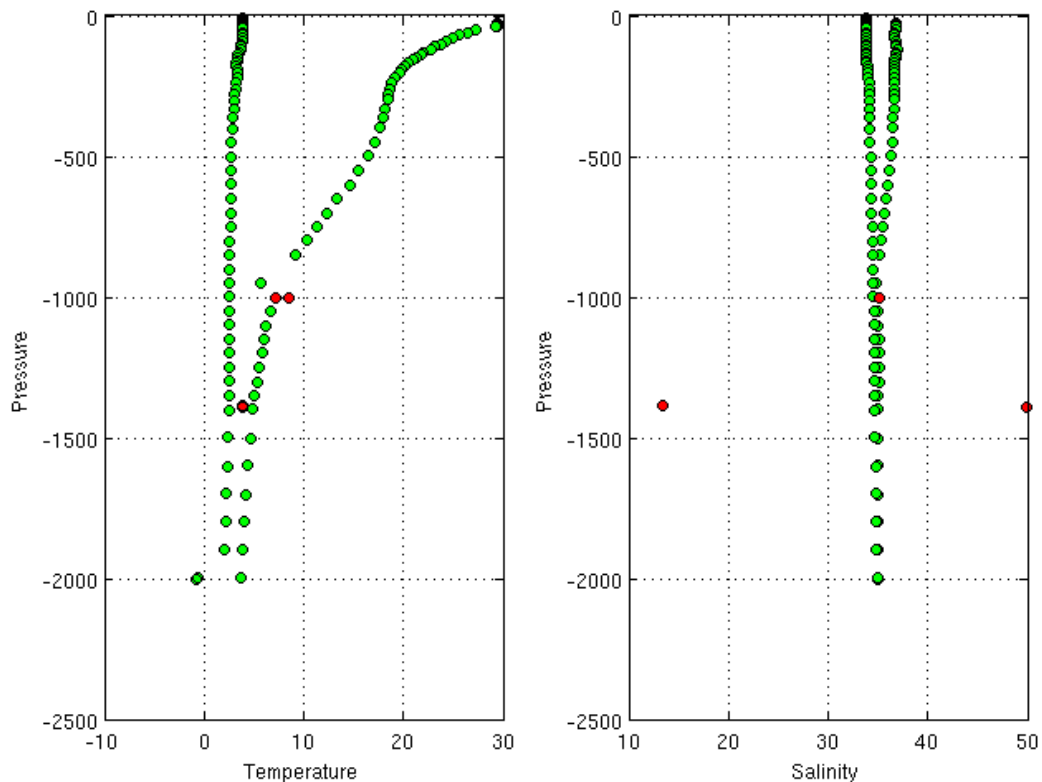
Warning Objective Analysis Anomalies 2014 September



Status of corrections: Done for some, no feedback

Float : 1901316 - Cycle : 35 - PI : Jon Turton - Data mode : A - INST REF : APEX-SBE 6616 - Date : 2014 8 30
Float : 6901131 - Cycle : 77 - PI : Jon Turton - Data mode : A - INST REF : APEX-SBE 6235 - Date : 2014 8 5
Float : 6901132 - Cycle : 78 - PI : Jon Turton - Data mode : A - INST REF : APEX-SBE 6236 - Date : 2014 8 14
Float : 6901144 - Cycle : 67 - PI : Jon Turton - Data mode : A - INST REF : APEX-SBE 5012 - Date : 2014 9 4

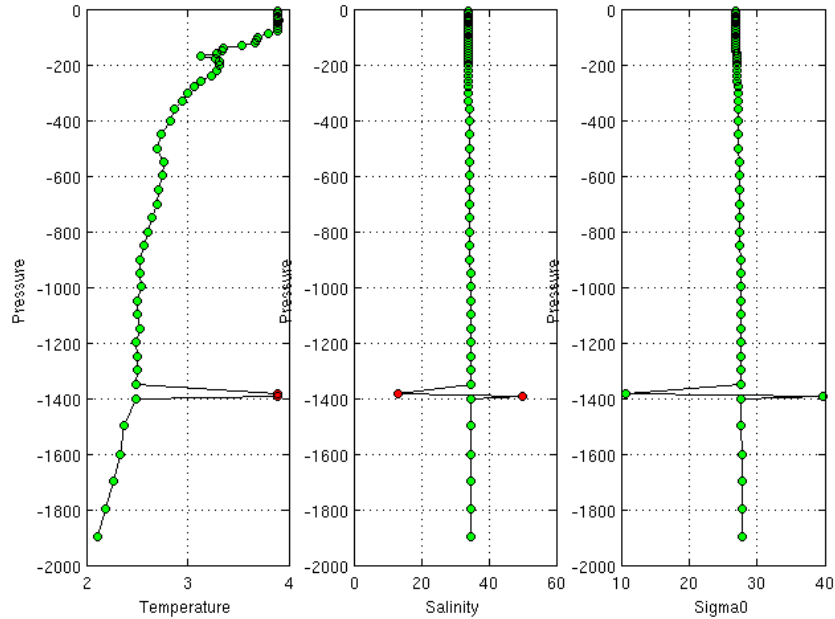
Warning Objective Analysis Anomalies 2014 September TEMP PSAL - DAC BO



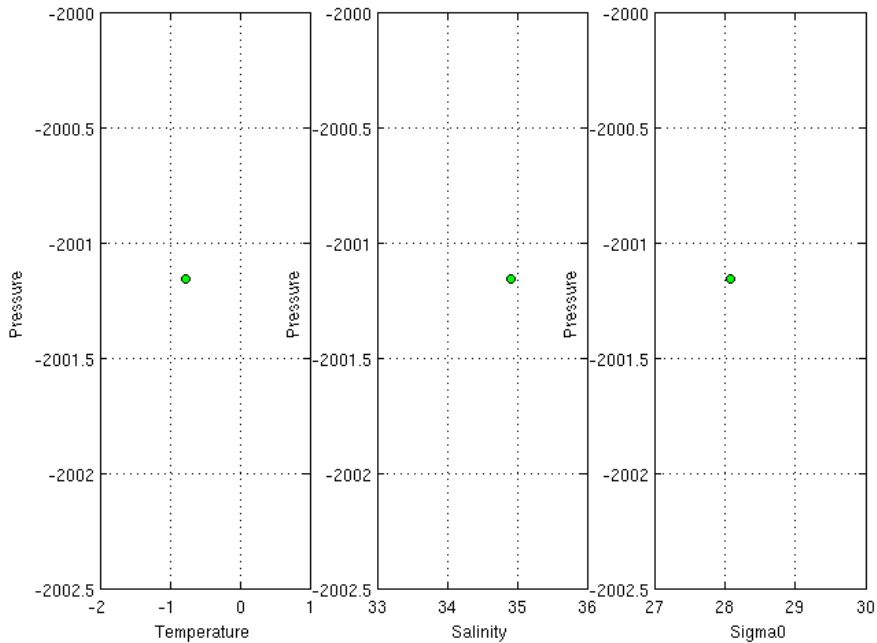
BO,6901131,77,05/08/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=33881414 ,PSAL,1998.8,1998.8,1,4
 BO,6901131,77,05/08/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=33881414 ,TEMP,1998.8,1998.8,1,4
 BO,6901132,78,14/08/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=33971339 ,PSAL,2001.2,2001.2,1,4
 BO,6901132,78,14/08/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=33971339 ,TEMP,2001.2,2001.2,1,4
 BO,6901144,67,05/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34140083 ,PSAL,950.3,950.3,1,4
 BO,6901144,67,05/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34140083 ,TEMP,950.3,950.3,1,4
 BO,1901316,35,10/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34184850 ,TEMP,1384.6,1392,1,4
 BO,6901132,78,14/08/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=33971339 ,PSAL,2001.2,2001.2,1,4
 BO,6901132,78,14/08/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=33971339 ,TEMP,2001.2,2001.2,1,4

Example of corrections:

Warning Objective Analysis Anomalies 2014 September TEMP PSAL : DAC BO- Float 1901316-35



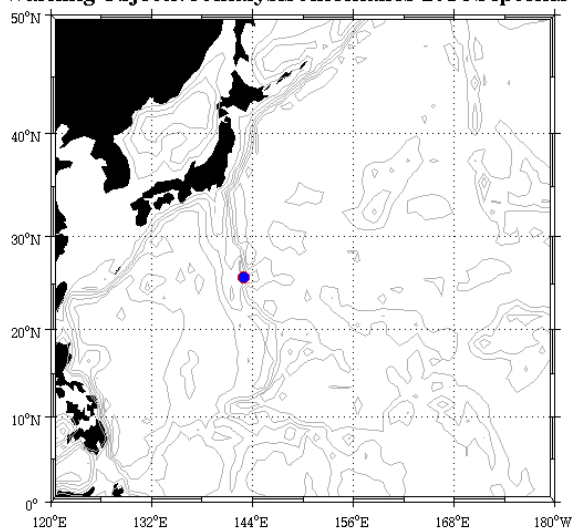
Warning Objective Analysis Anomalies 2014 September TEMP PSAL : DAC BO- Float 6901132-78



3. DAC CSIO

Profiles detected by the objective analysis: 1

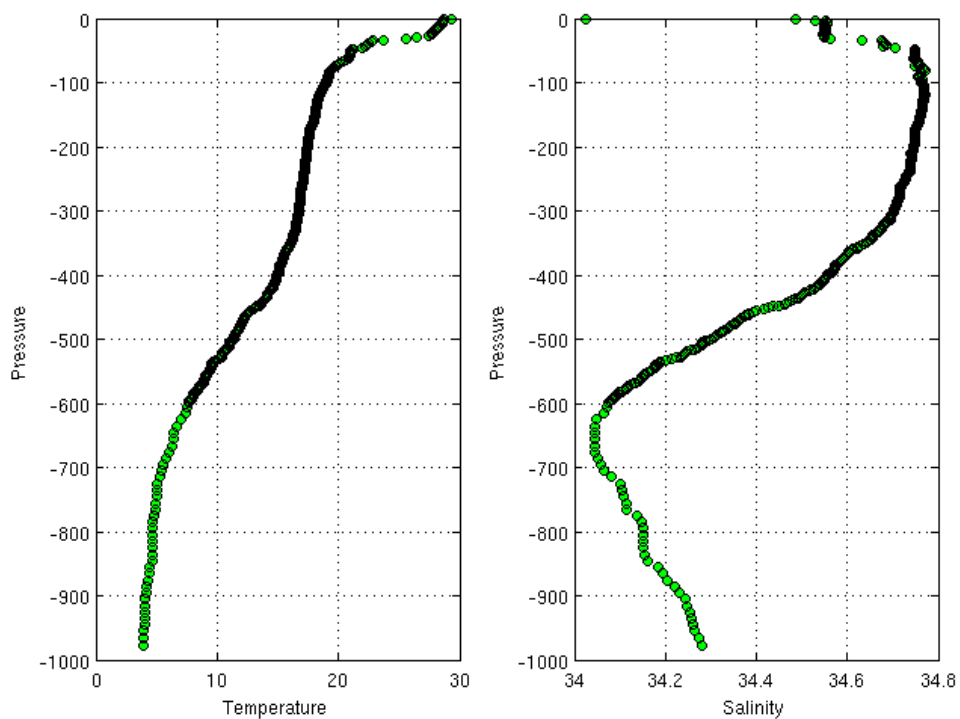
Warning Objective Analysis Anomalies 2014 September



Status of corrections: Not Done, No Feedback

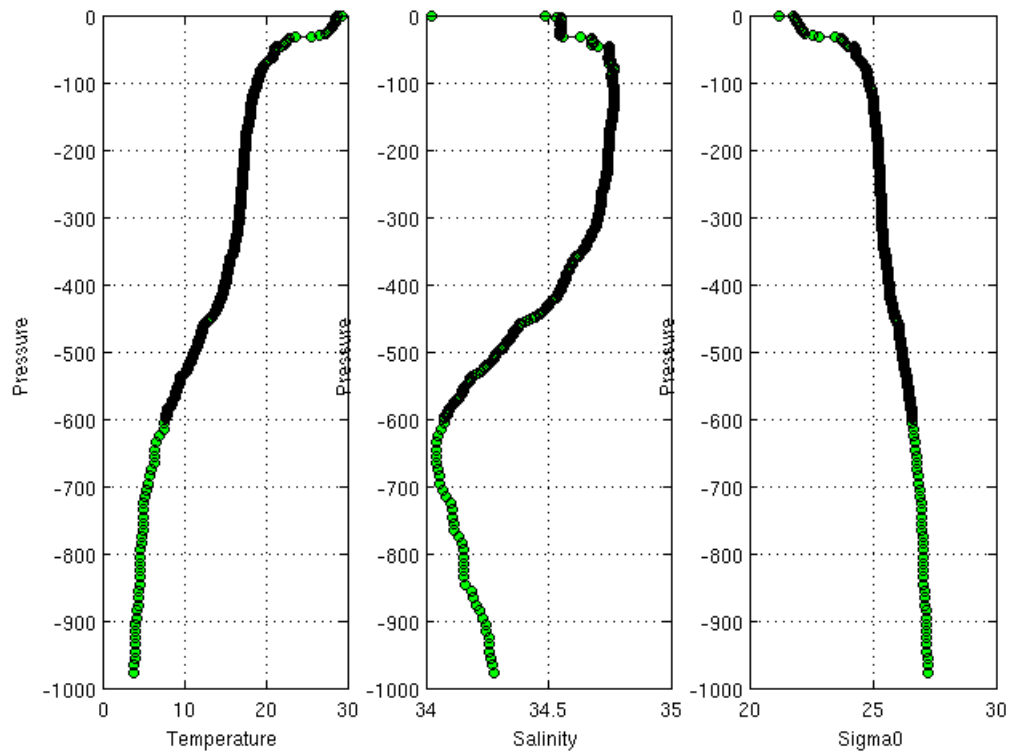
Float : 2901564 - Cycle : 177 - PI : Shangping Xie - Data mode : A - INST REF : - Date : 2014 9 21

Warning Objective Analysis Anomalies 2014 September TEMP PSAL - DAC HZ



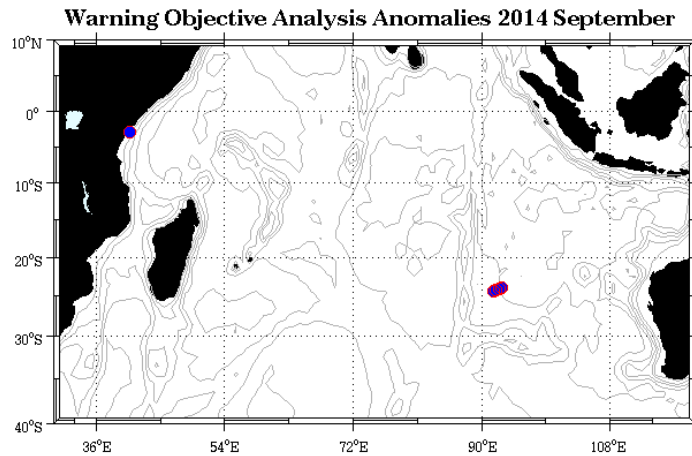
DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
HZ,2901564,177,21/09/2014 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=34260106> ,PSAL,.1,.1,1,3

Example of corrections: surface salinity



4. DAC CSIRO

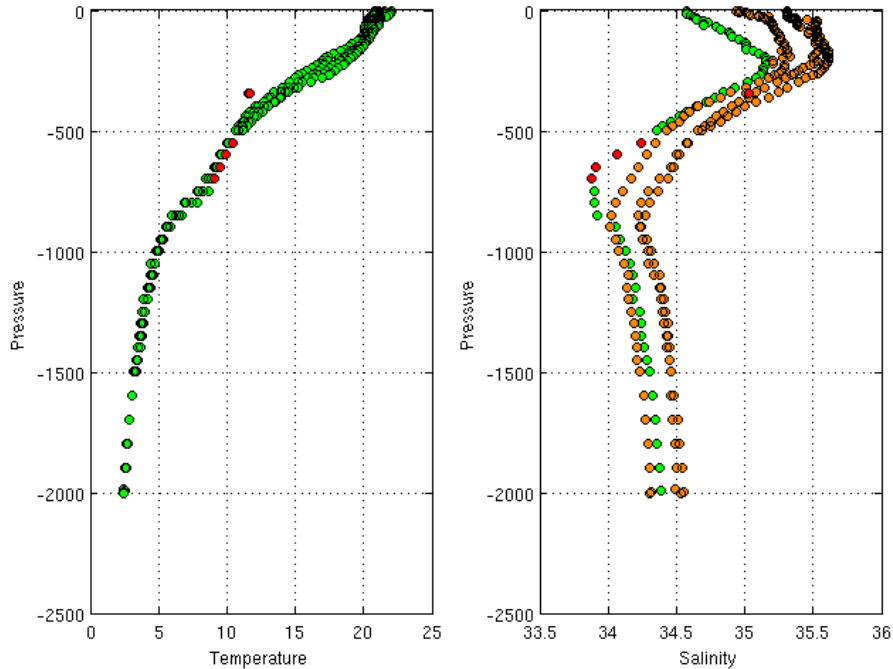
Profiles detected by the objective analysis: 5



Status of corrections: DONE with feedback

Float : 1901124 - Cycle : 214 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2014 8 28
 Float : 5903692 - Cycle : 109 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2014 8 28
 Float : 5903692 - Cycle : 110 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2014 9 7
 Float : 5903692 - Cycle : 111 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2014 9 17
 Float : 5903692 - Cycle : 112 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2014 9 27

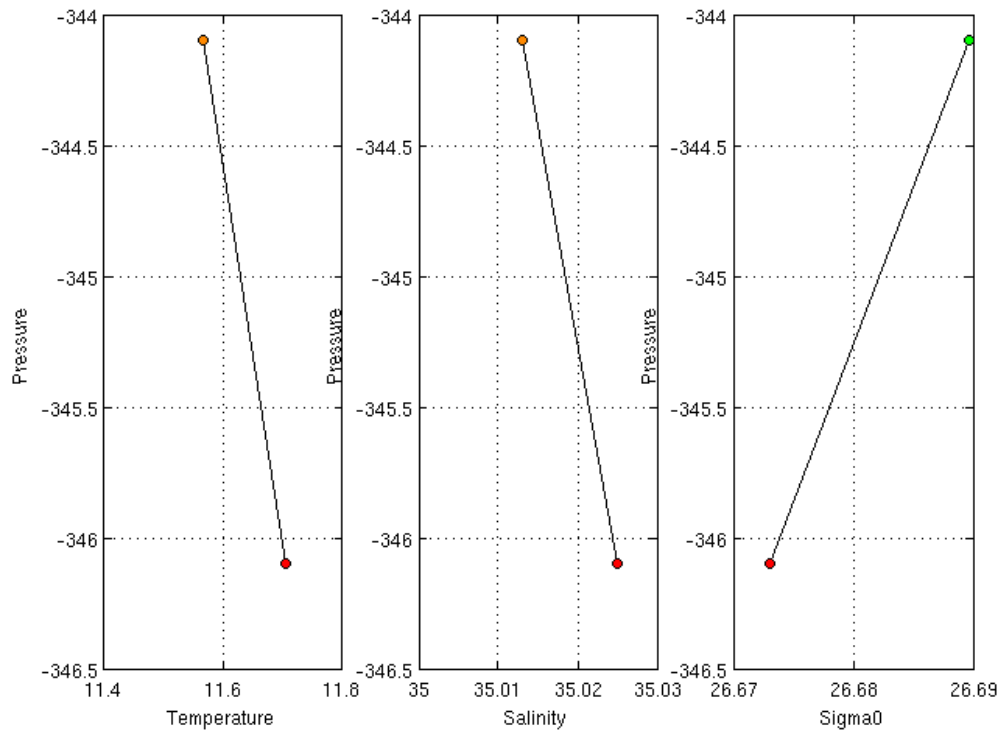
Warning Objective Analysis Anomalies 2014 September TEMP PSAL - DAC CS



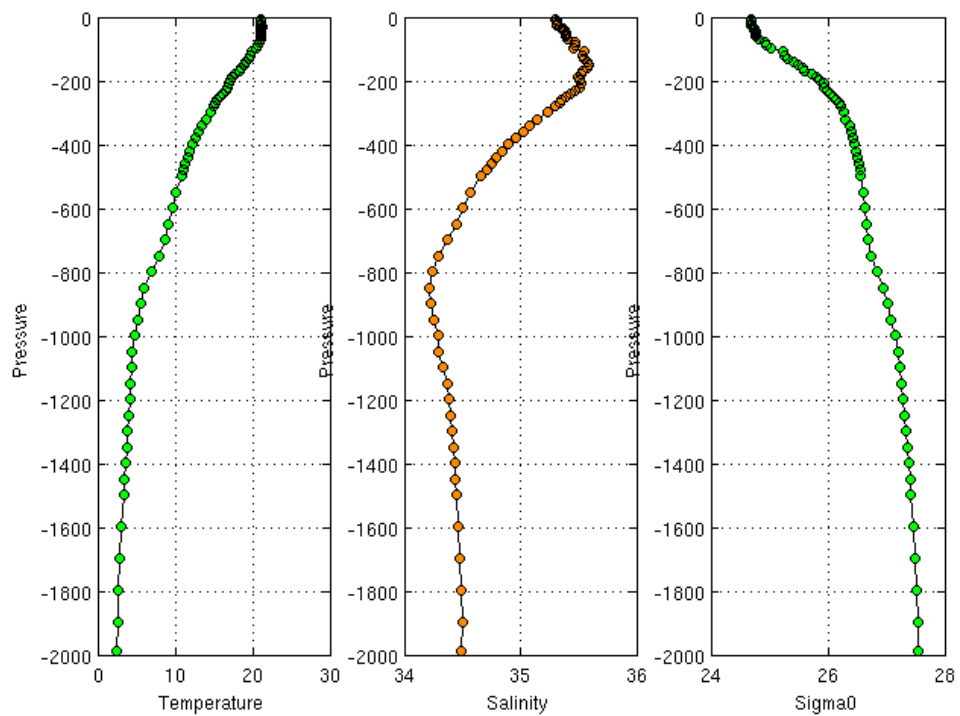
DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
 CS,1901124,214,31/08/2014 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=34082207> ,PSAL,344.1,344.1,1,4
 CS,1901124,214,31/08/2014 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=34082207> ,TEMP,344.1,344.1,1,4
 CS,5903692,109,01/09/2014 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=34082854> ,PSAL,4.3,2001.6,1,3
 CS,5903692,110,11/09/2014 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=34158151> ,PSAL,4.8,1987.5,1,3
 CS,5903692,111,21/09/2014 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=34252947> ,PSAL,4.8,2001.3,1,3
 CS,5903692,112,28/09/2014 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=34319249> ,PSAL,4.4,499.5,1,3
 CS,5903692,112,28/09/2014 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=34319249> ,PSAL,749,1988.3,1,3

Example of corrections:

Warning Objective Analysis Anomalies 2014 September TEMP PSAL : DAC CS- Float 1901124-214

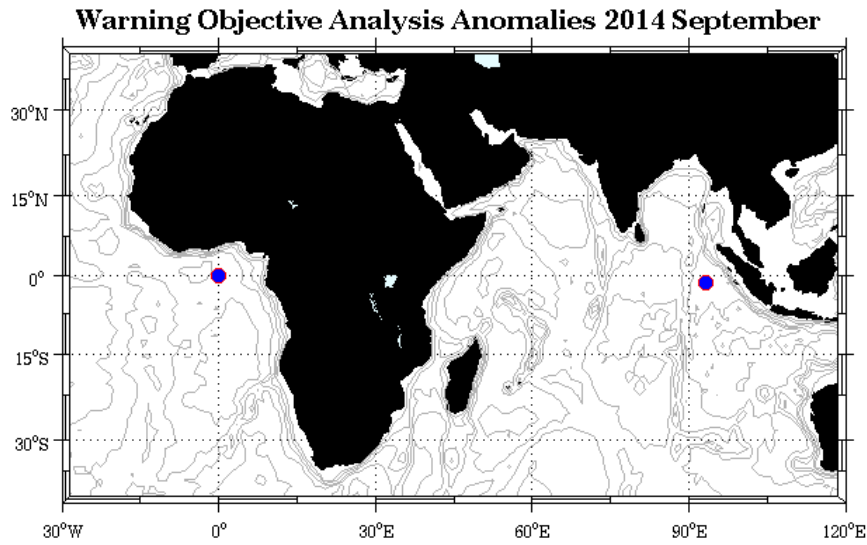


Warning Objective Analysis Anomalies 2014 September TEMP PSAL : DAC CS- Float 5903692-110



5. DAC INCOIS

Profiles detected by the objective analysis: 5



Status of corrections: Not done, no feedback – Floats PROVOR : done by Coriolis

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

Float : 2901312 - Cycle : 229 - PI : M Ravichandran - Data mode : R - INST REF : - Date : 2014 8 3

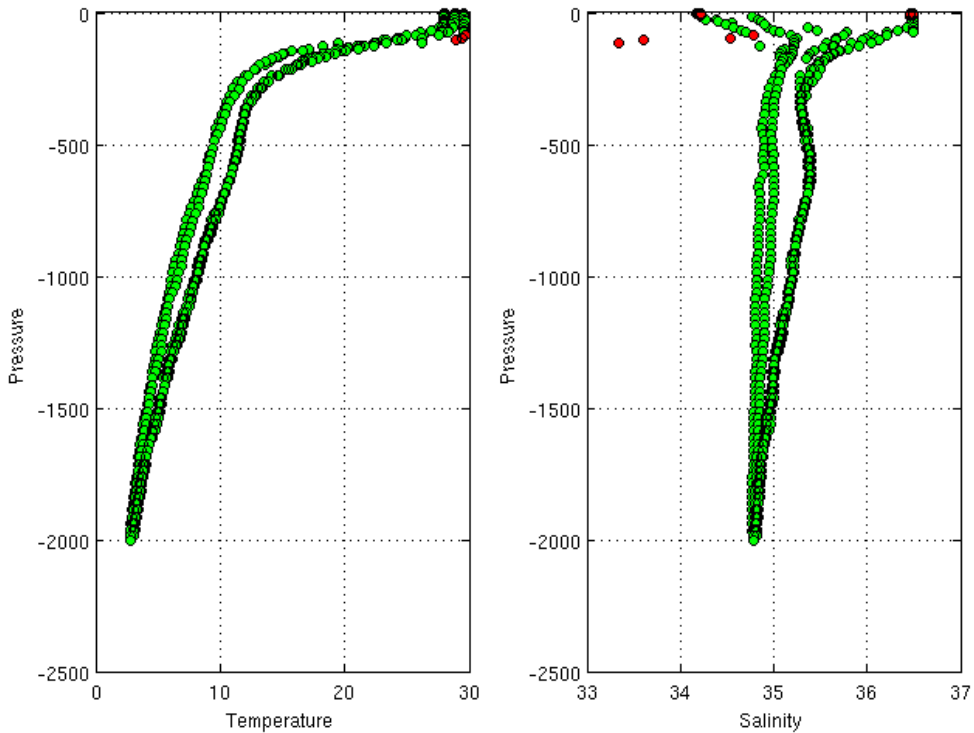
Float : 2902127 - Cycle : 1 - PI : M Ravichandran - Data mode : R - INST REF : - Date : 2014 3 14

Float : 2902127 - Cycle : 14 - PI : M Ravichandran - Data mode : R - INST REF : - Date : 2014 8 1

Float : 2902127 - Cycle : 15 - PI : M Ravichandran - Data mode : R - INST REF : - Date : 2014 8 11

Float : 2902142 - Cycle : 4 - PI : M Ravichandran - Data mode : R - INST REF : - Date : 2014 9 21

Warning Objective Analysis Anomalies 2014 September TEMP PSAL - DAC IN

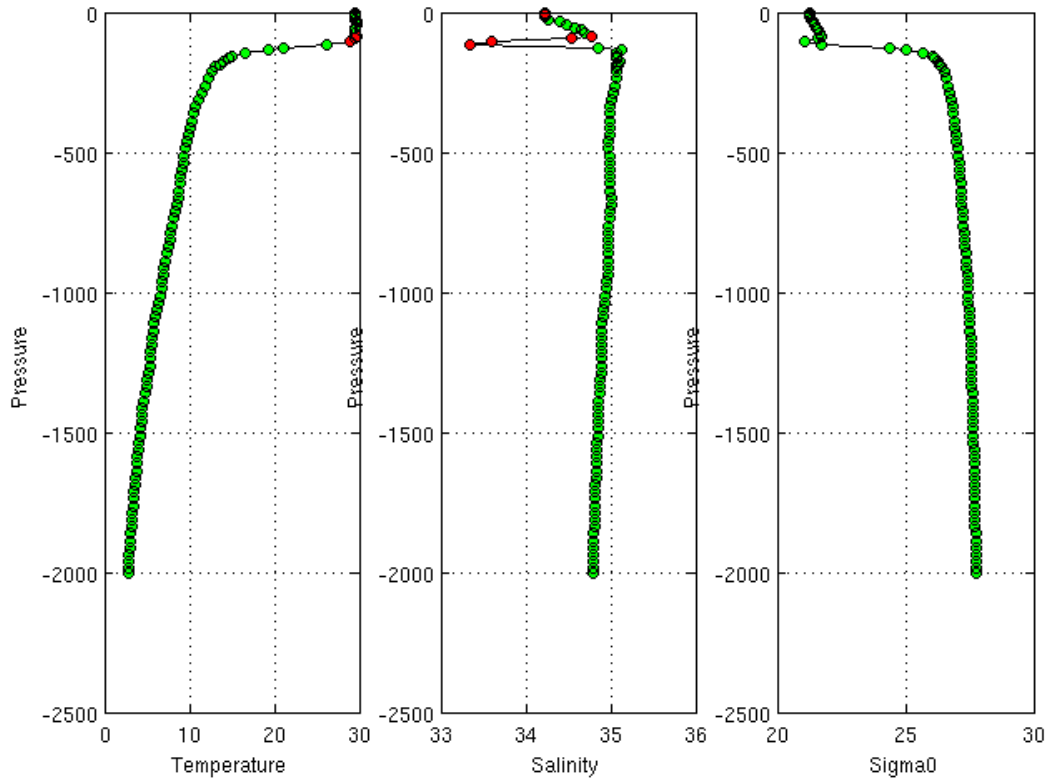


Floats 2902127-2902142 : problem with the position

DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
 IN,2902127,1,03/09/2014 00:00:00,D,http://www.ifremer.fr/co-argoFloats/station?stationId=32918337 ,POSS,,,1,4
 IN,2902127,14,03/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=33864418 ,POSS,,,1,4
 IN,2902127,15,03/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=33928701 ,POSS,,,1,4
 IN,2902127,14,05/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=33864418 ,POSS,,,1,4
 IN,2901312,229,06/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=33866016 ,PSAL,116,116,1,4
 IN,2902127,15,16/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=33928701 ,POSS,,,1,4
 IN,2902142,4,26/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34310703 ,POSS,,,1,4

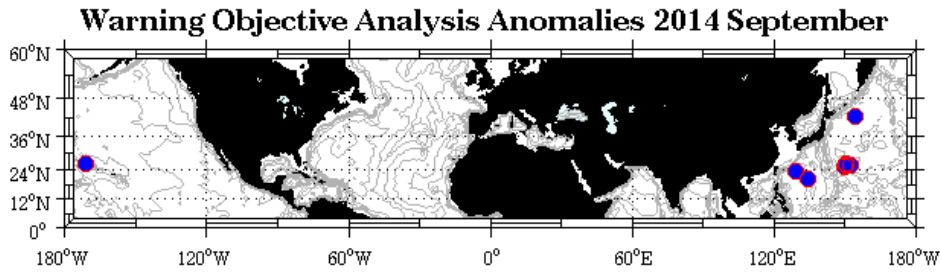
Example of corrections:

Warning Objective Analysis Anomalies 2014 September TEMP PSAL : DAC IN- Float 2901312-229



6. DAC JMA/JAMSTEC

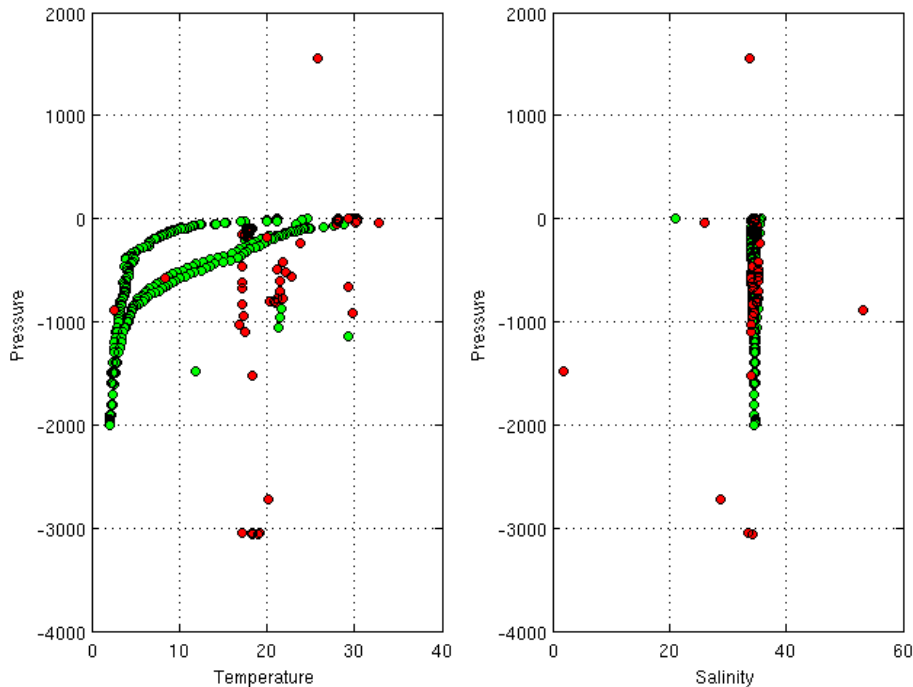
Profiles detected by the objective analysis: 9



Status of corrections: Not done, no feedback

Float : 2900928 - Cycle : 220 - PI : JAMSTEC - Data mode : A - INST REF : APEX-SBE 3531 - Date : 2014 9 11
 Float : 2900937 - Cycle : 213 - PI : JAMSTEC - Data mode : A - INST REF : APEX-SBE 3527 - Date : 2014 8 30
 Float : 2900937 - Cycle : 214 - PI : JAMSTEC - Data mode : A - INST REF : APEX-SBE 3527 - Date : 2014 9 9
 Float : 2900937 - Cycle : 215 - PI : JAMSTEC - Data mode : A - INST REF : APEX-SBE 3527 - Date : 2014 9 19
 Float : 2900937 - Cycle : 216 - PI : JAMSTEC - Data mode : A - INST REF : APEX-SBE 3527 - Date : 2014 9 29
 Float : 2902384 - Cycle : 94 - PI : JMA - Data mode : A - INST REF : APEX-SBE 6337 - Date : 2014 8 7
 Float : 2902426 - Cycle : 106 - PI : JMA - Data mode : A - INST REF : APEX-SBE 6535 - Date : 2014 8 30
 Float : 2902426 - Cycle : 107 - PI : JMA - Data mode : A - INST REF : APEX-SBE 6535 - Date : 2014 9 4
 Float : 2902503 - Cycle : 34 - PI : JMA - Data mode : A - INST REF : APEX-SBE 6725 - Date : 2014 9 28

Warning Objective Analysis Anomalies 2014 September TEMP PSAL - DAC JA

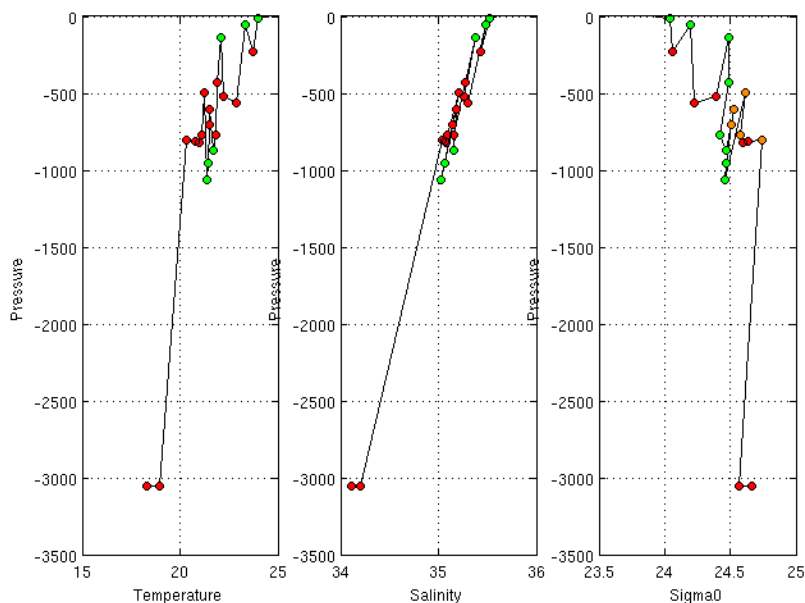


DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
 JA,2900937,213,30/08/2014 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=34085512> ,PSAL,0,0,1,4
 JA,2900937,213,30/08/2014 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=34085512> ,PSAL,463.1,463.1,1,4
 JA,2900937,213,30/08/2014 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=34085512> ,TEMP,0,0,1,4
 JA,2900937,213,30/08/2014 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=34085512> ,TEMP,463.1,463.1,1,4
 JA,2902426,106,03/09/2014 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=34085628> ,PSAL,3.9,1599.9,1,3

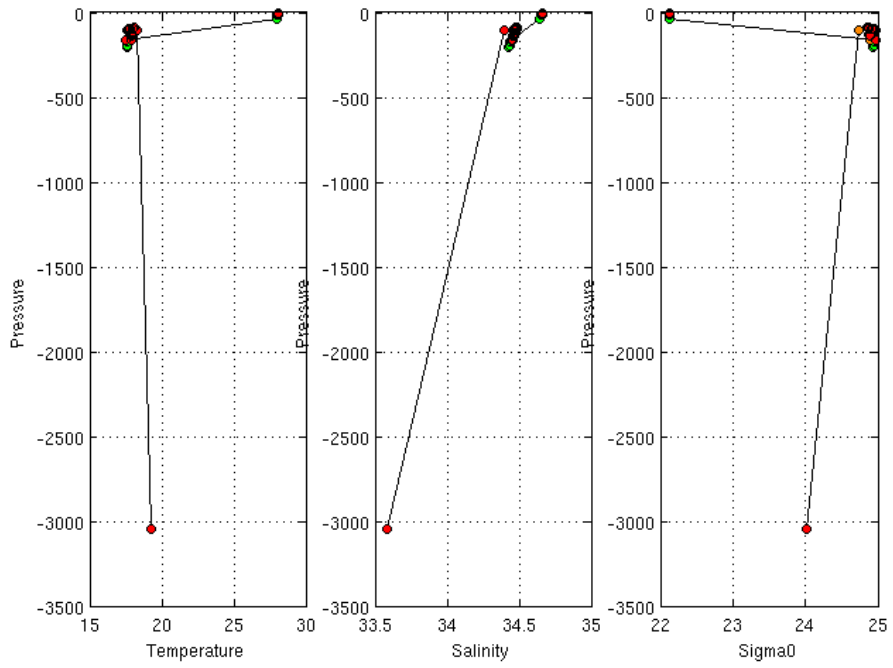
JA,2902426,107,04/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34137727 ,PSAL,10.4,1599.5,1,3
 JA,2902384,94,10/08/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=33919961 ,TEMP,1475.1,1475.1,1,4
 JA,2900937,214,13/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34199300 ,PSAL,1147.2,1147.2,1,4
 JA,2900937,214,13/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34199300 ,TEMP,1147.2,1147.2,1,4
 JA,2900928,220,15/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34203396 ,PSAL,0,15.7,1,4
 JA,2900928,220,15/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34203396 ,PSAL,50.2,50.2,1,4
 JA,2900928,220,15/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34203396 ,PSAL,140.9,140.9,1,4
 JA,2900928,220,15/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34203396 ,PSAL,871.2,871.2,1,4
 JA,2900928,220,15/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34203396 ,PSAL,955.4,1063,1,4
 JA,2900928,220,15/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34203396 ,TEMP,0,15.7,1,4
 JA,2900928,220,15/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34203396 ,TEMP,50.2,50.2,1,4
 JA,2900928,220,15/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34203396 ,TEMP,140.9,140.9,1,4
 JA,2900928,220,15/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34203396 ,TEMP,871.2,871.2,1,4
 JA,2900928,220,15/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34203396 ,TEMP,955.4,1063,1,4
 JA,2900937,214,13/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34199300 ,PSAL,1147.2,1147.2,1,4
 JA,2900937,214,13/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34199300 ,TEMP,1147.2,1147.2,1,4
 JA,2900928,220,15/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34203396 ,PSAL,0,15.7,1,4
 JA,2900928,220,15/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34203396 ,PSAL,50.2,50.2,1,4
 JA,2900928,220,15/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34203396 ,PSAL,140.9,140.9,1,4
 JA,2900928,220,15/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34203396 ,PSAL,871.2,871.2,1,4
 JA,2900928,220,15/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34203396 ,PSAL,955.4,1063,1,4
 JA,2900928,220,15/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34203396 ,TEMP,0,15.7,1,4
 JA,2900928,220,15/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34203396 ,TEMP,50.2,50.2,1,4
 JA,2900928,220,15/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34203396 ,TEMP,140.9,140.9,1,4
 JA,2900928,220,15/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34203396 ,TEMP,871.2,871.2,1,4
 JA,2900928,220,15/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34203396 ,TEMP,955.4,1063,1,4
 JA,2900937,215,23/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34293671 ,PSAL,0,0,1,4
 JA,2900937,215,23/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34293671 ,TEMP,0,0,1,4
 JA,2900937,215,23/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34293671 ,PSAL,0,0,1,4
 JA,2900937,215,23/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34293671 ,TEMP,0,0,1,4
 JA,2902503,34,28/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34317556 ,PSAL,190.4,190.4,1,4
 JA,2902503,34,28/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34317556 ,PSAL,599.9,599.9,1,4
 JA,2900937,216,29/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34330646 ,PSAL,11,11,1,4
 JA,2900937,216,29/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34330646 ,PSAL,14.8,163.1,1,4
 JA,2900937,216,29/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34330646 ,PSAL,159.6,159.6,1,4
 JA,2900937,216,29/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34330646 ,PSAL,172.8,204.9,1,4
 JA,2900937,216,29/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34330646 ,TEMP,11,11,1,4
 JA,2900937,216,29/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34330646 ,TEMP,14.8,34.2,1,4
 JA,2900937,216,29/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34330646 ,TEMP,159.6,159.6,1,4
 JA,2900937,216,29/09/2014 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=34330646 ,TEMP,172.8,204.9,1,4

Example of anomalies:

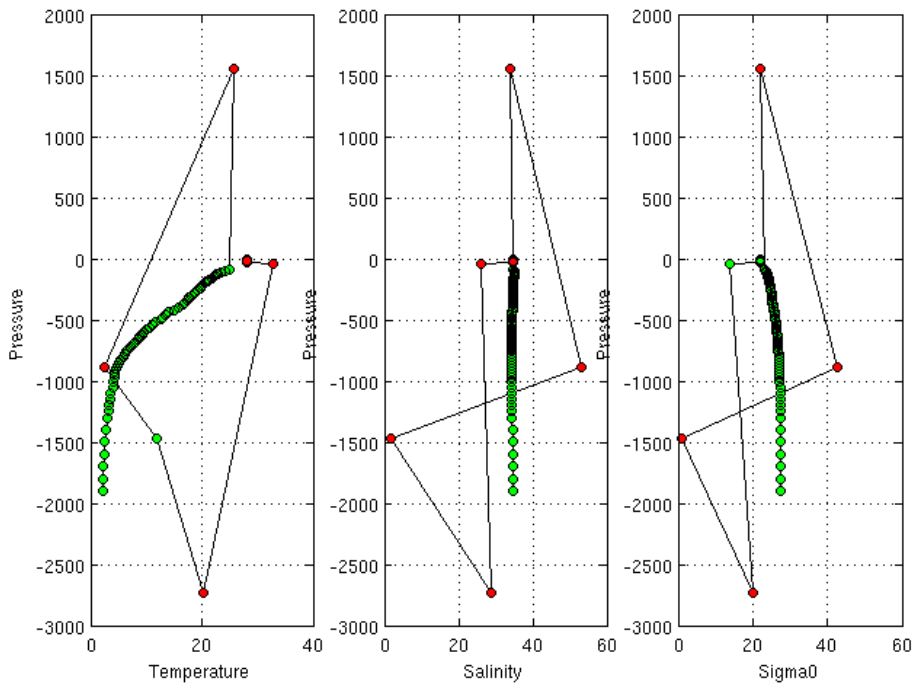
Warning Objective Analysis Anomalies 2014 September TEMP PSAL : DAC JA- Float 2900928-220



Warning Objective Analysis Anomalies 2014 September TEMP PSAL : DAC JA- Float 2900937-216



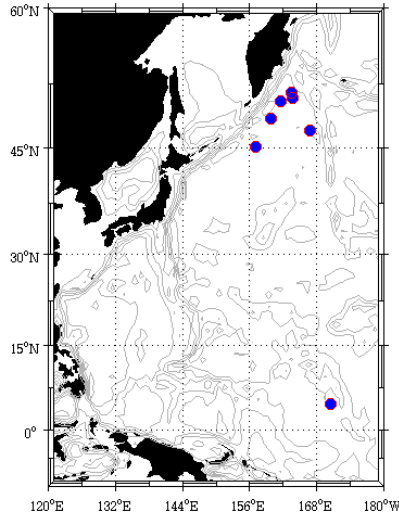
Warning Objective Analysis Anomalies 2014 September TEMP PSAL : DAC JA- Float 2902384-94



7. DAC KMA

Profiles detected by the objective analysis: 7

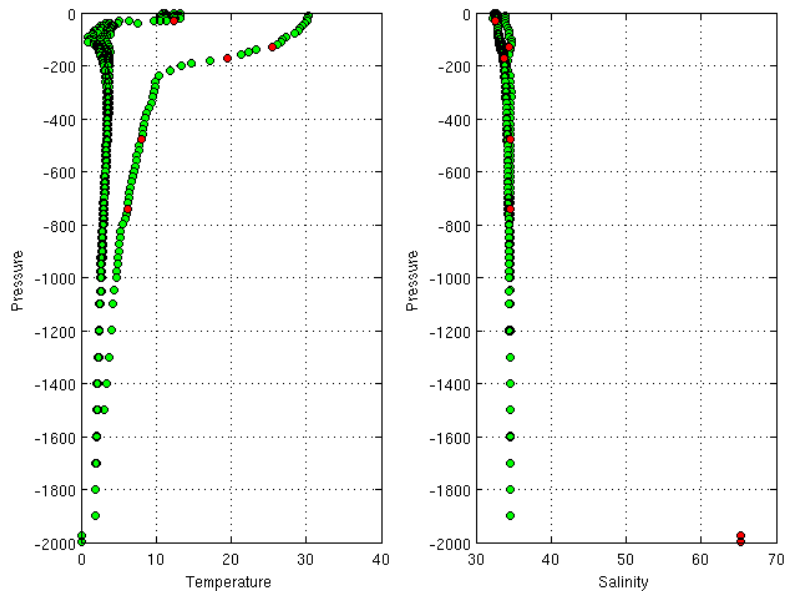
Warning Objective Analysis Anomalies 2014 September



Status of corrections: NOT DONE, NO FEEDBACK

Float : 2901225 - Cycle : 177 - PI : Sang-Buem Ryu - Data mode : R - INST REF : APEX Profiling Float - Date : 2014 9 11
 Float : 2901712 - Cycle : 39 - PI : Young-Hwa Kim - Data mode : R - INST REF : APEX Profiling Float - Date : 2014 8 28
 Float : 2901713 - Cycle : 42 - PI : Young-Hwa Kim - Data mode : R - INST REF : APEX Profiling Float - Date : 2014 9 27
 Float : 2901714 - Cycle : 36 - PI : Young-Hwa Kim - Data mode : R - INST REF : APEX Profiling Float - Date : 2014 7 30
 Float : 2901714 - Cycle : 42 - PI : Young-Hwa Kim - Data mode : R - INST REF : APEX Profiling Float - Date : 2014 9 28
 Float : 2901715 - Cycle : 42 - PI : Young-Hwa Kim - Data mode : R - INST REF : APEX Profiling Float - Date : 2014 9 28
 Float : 2901716 - Cycle : 39 - PI : Young-Hwa Kim - Data mode : R - INST REF : APEX Profiling Float - Date : 2014 8 29

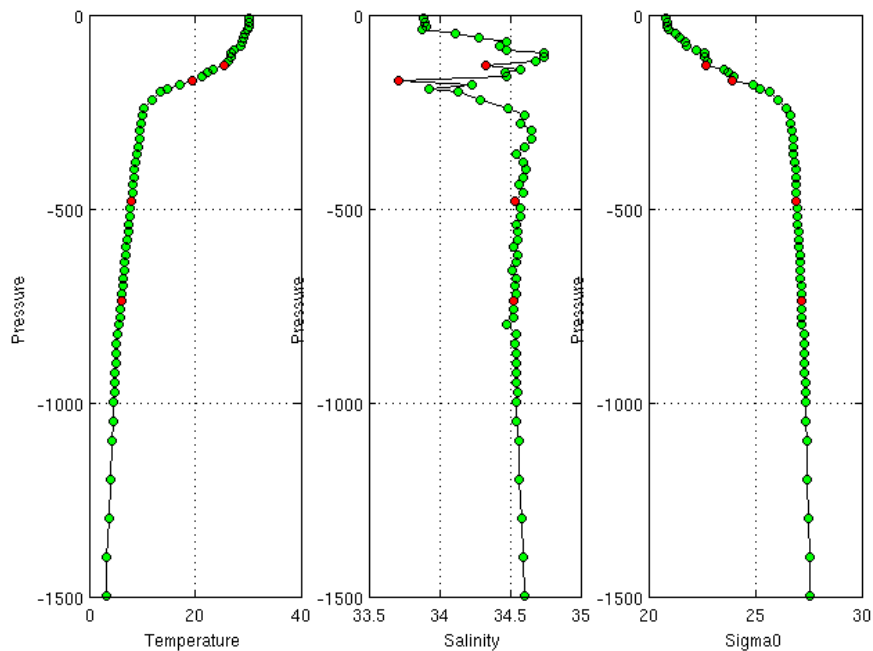
Warning Objective Analysis Anomalies 2014 September TEMP PSAL - DAC KM



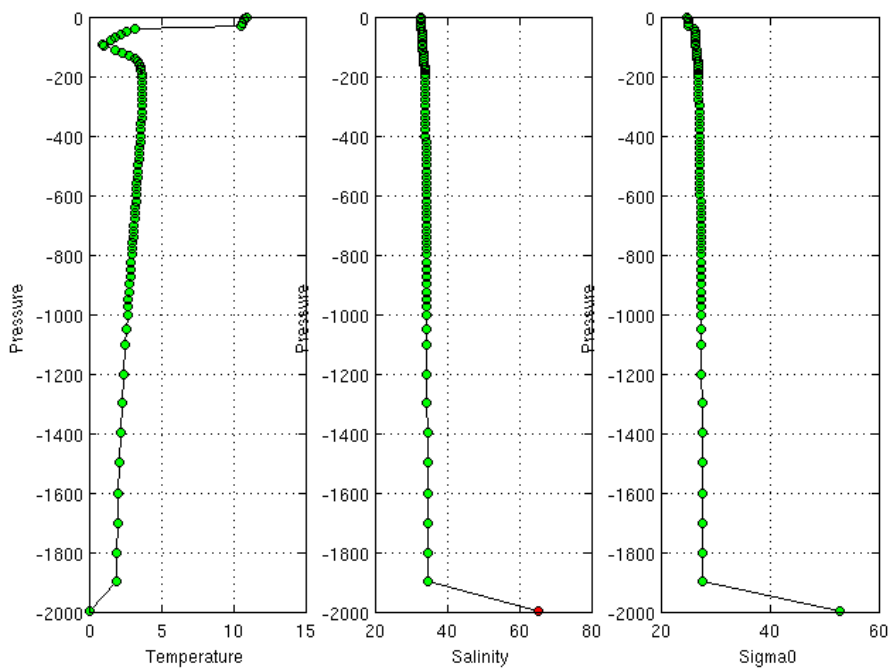
DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
 KM,2901714,36,31/07/2014 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=33866984> ,TEMP,1997.5,1997.5,1,4
 KM,2901712,39,29/08/2014 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=34090156> ,TEMP,1971.9,1971.9,1,4
 KM,2901716,39,30/08/2014 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=34090160> ,TEMP,1997.5,1997.5,1,4
 KM,2901225,177,12/09/2014 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=34214984> ,PSAL,799.2,799.2,1,3
 KM,2901713,42,28/09/2014 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=34317675> ,TEMP,1997.5,1997.5,1,4

Example of anomalies:

Warning Objective Analysis Anomalies 2014 September TEMP PSAL : DAC KM- Float 2901225-177



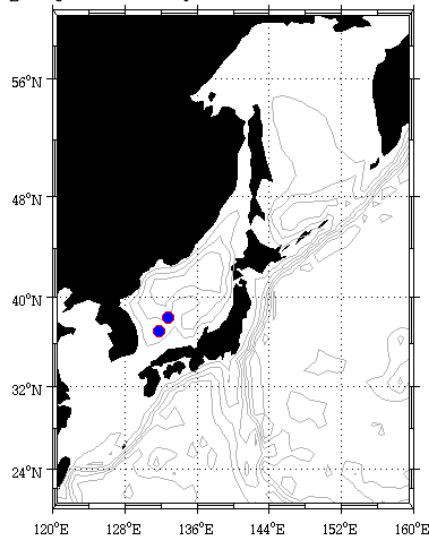
Warning Objective Analysis Anomalies 2014 September TEMP PSAL : DAC KM- Float 2901714-42



8. DAC KORDI

Profiles detected by the objective analysis: 2

Warning Objective Analysis Anomalies 2014 September

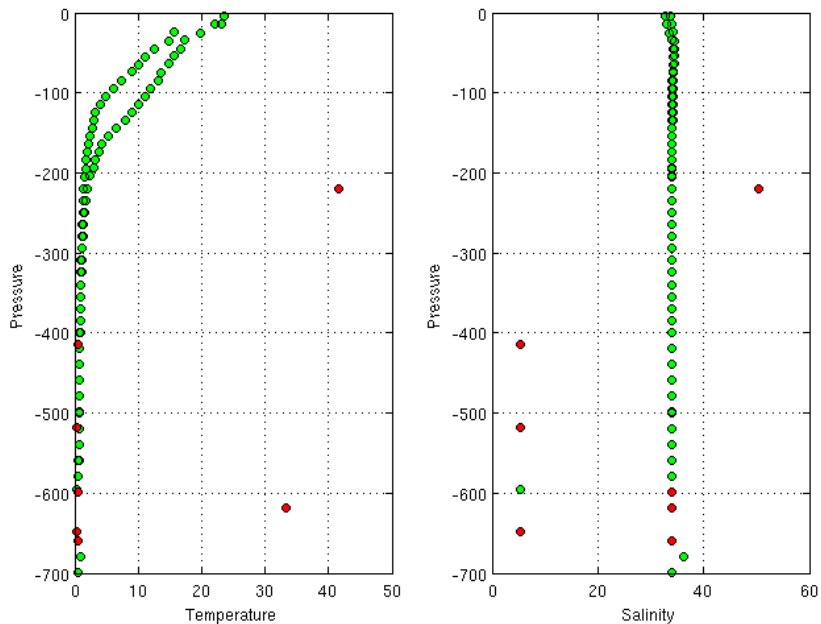


Status of corrections: Not done, no feedback

Float : 2900922 - Cycle : 253 - PI : Moon-Sik Suk - Data mode : A - INST REF : APEX-SBE 3436 - Date : 2014 8 14

Float : 2901210 - Cycle : 214 - PI : Moon-Sik Suk - Data mode : A - INST REF : APEX-SBE 4113 - Date : 2014 8 22

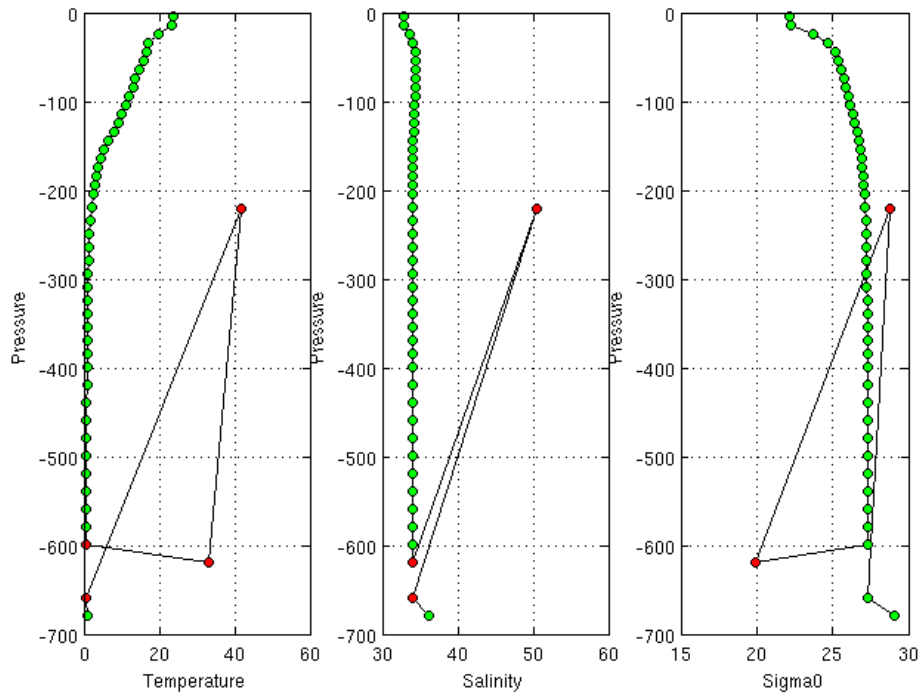
Warning Objective Analysis Anomalies 2014 September TEMP PSAL - DAC KO



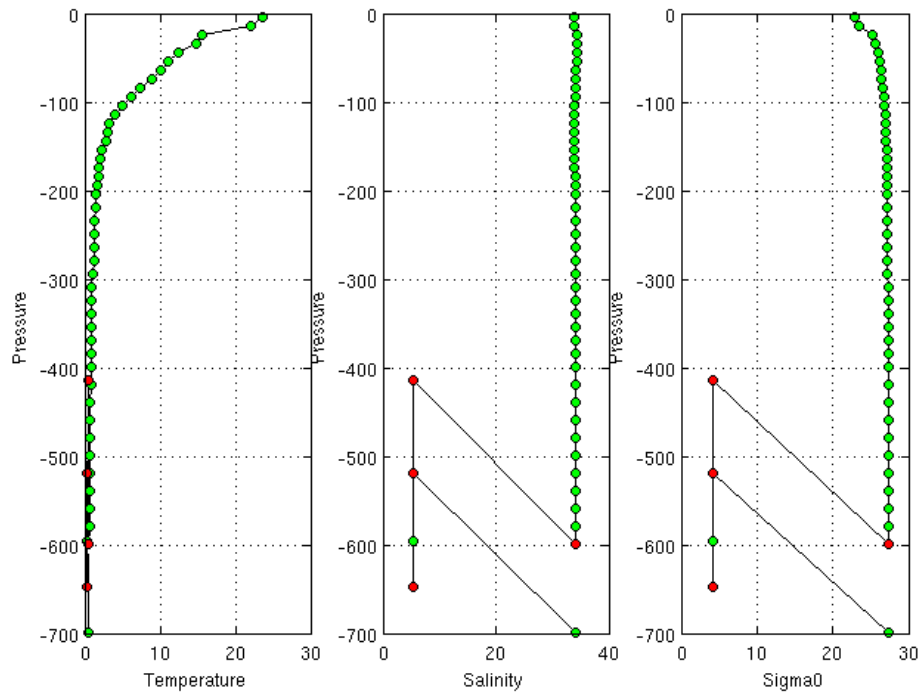
DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
KO,2900922,253,18/08/2014 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=33973452> ,PSAL,679.4,679.4,1,4
KO,2900922,253,18/08/2014 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=33973452> ,TEMP,679.4,679.4,1,4
KO,2901210,214,25/08/2014 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=34036401> ,PSAL,595.9,595.9,1,4

Example of anomalies:

Warning Objective Analysis Anomalies 2014 September TEMP PSAL : DAC KO- Float 2900922-253

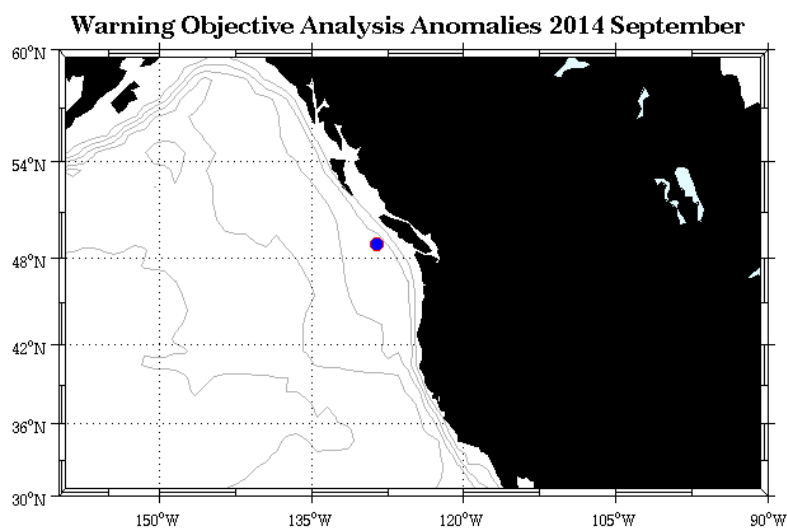


Warning Objective Analysis Anomalies 2014 September TEMP PSAL : DAC KO- Float 2901210-214



9. DAC MEDS

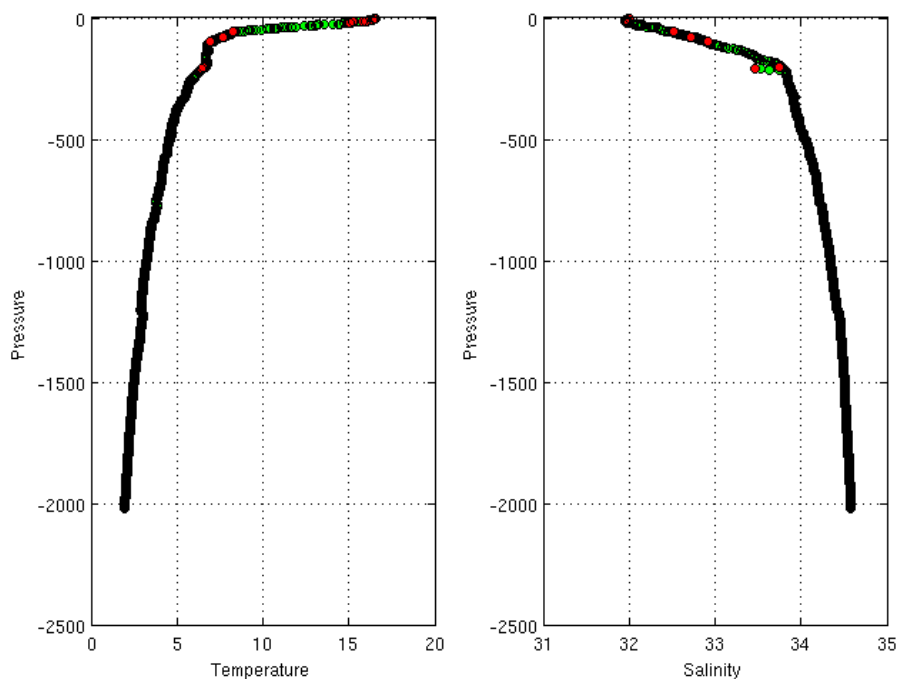
Profiles detected by the objective analysis: 1



Status of corrections: NOT DONE, NO FEEDBACK

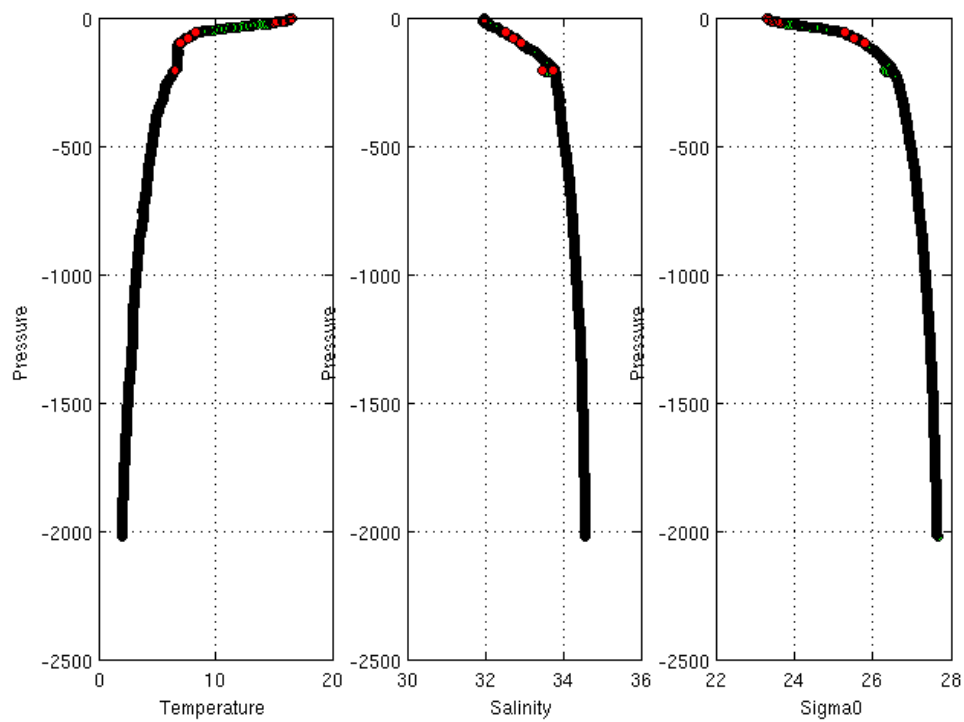
Float : 4901769 - Cycle : 21 - PI : Denis Gilbert - Data mode : A - INST REF : - Date : 2014 9 20

Warning Objective Analysis Anomalies 2014 September 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,3900085,42,22/07/2010 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=1633925> ,PSAL,0,0,1,3
ME,3900085,42,22/07/2010 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=1633925> ,TEMP,0,0,1,3

Example of anomalies:



10. DAC NMDIS

Profiles detected by the objective analysis: 0

Status of corrections:

Example of anomalies:


```

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

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 :

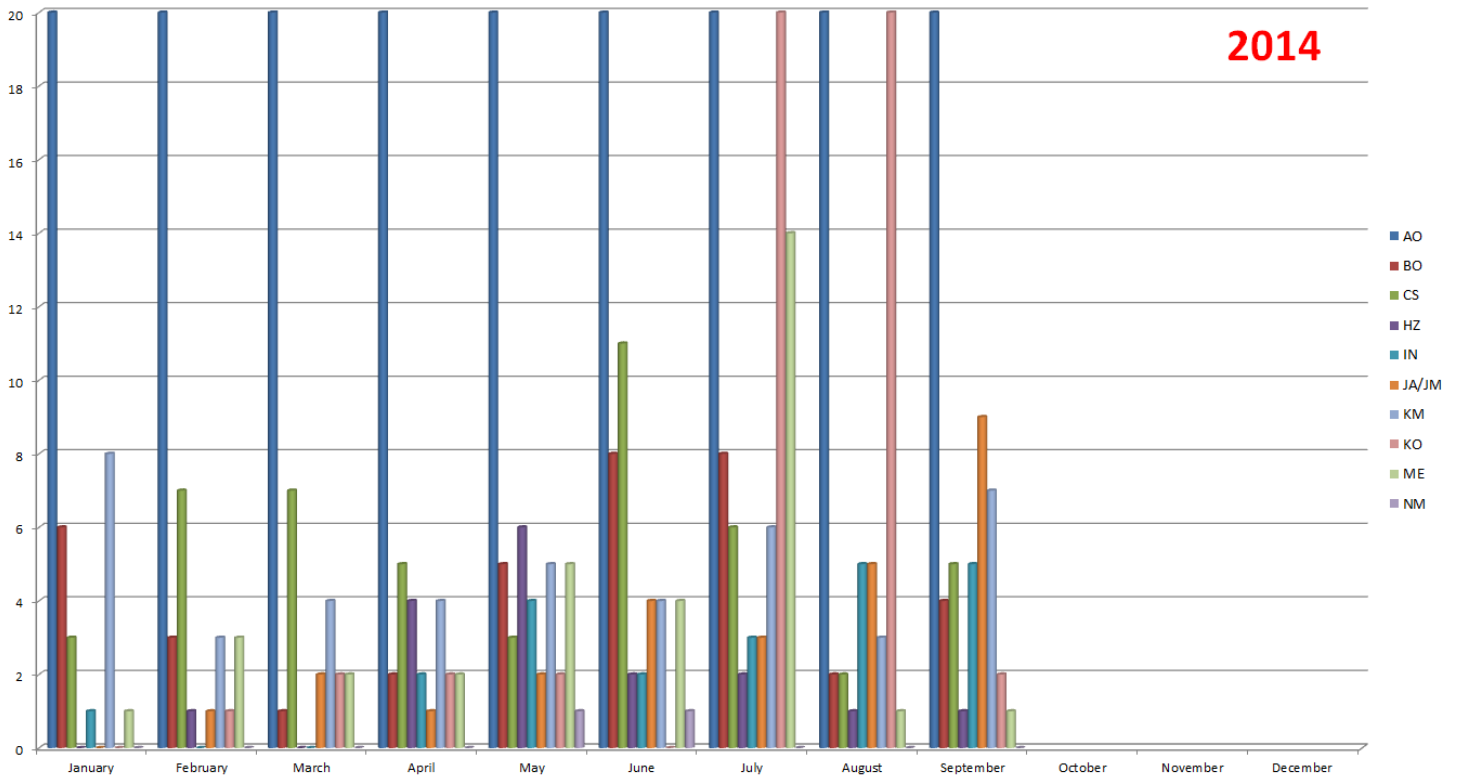
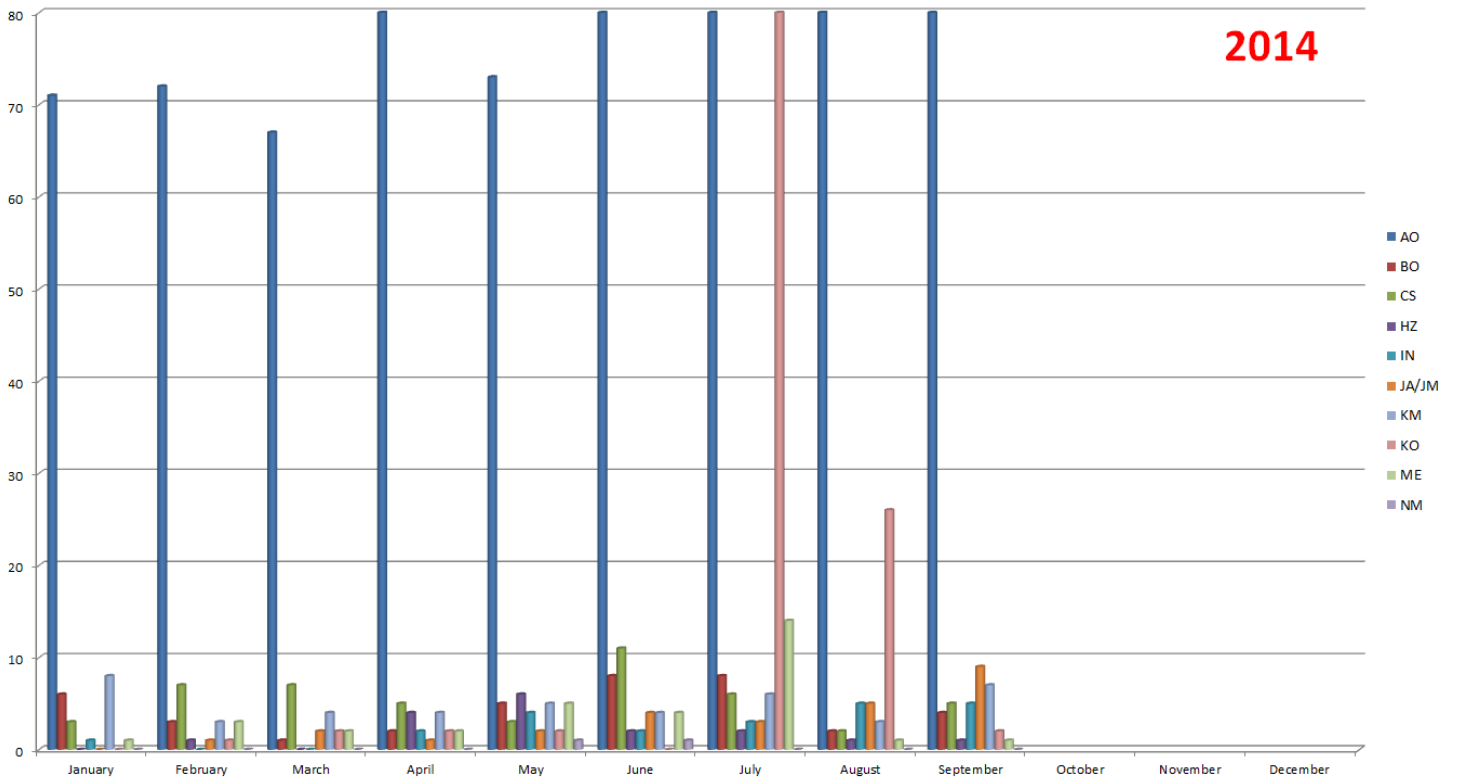
DATA_MODE = "R" => DATA_MODE = "D" ;

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

13. Statistics

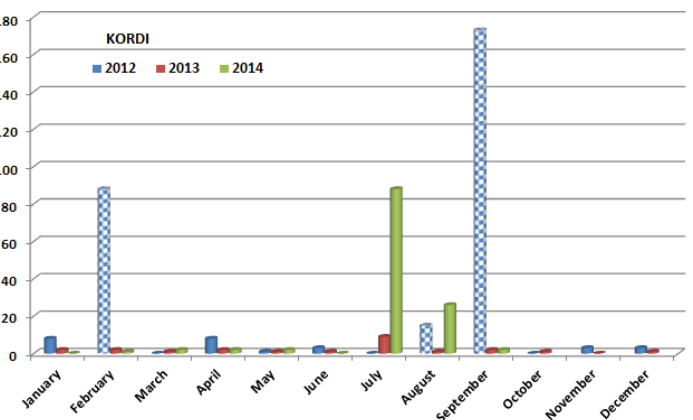
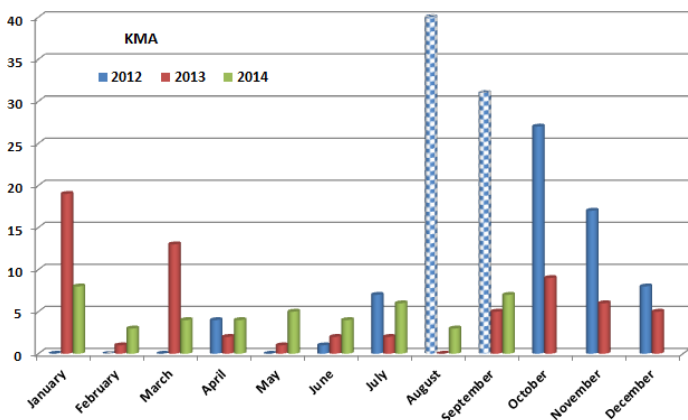
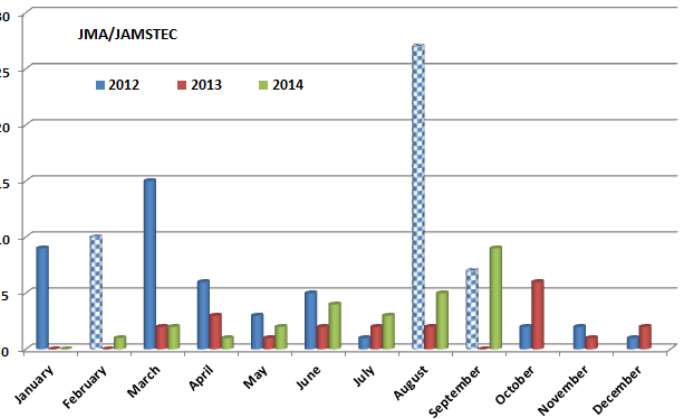
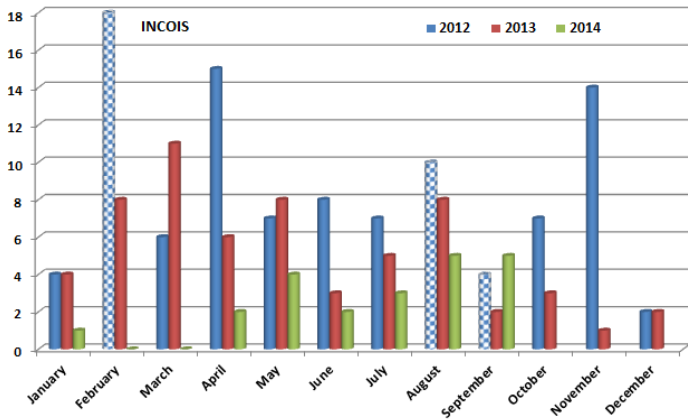
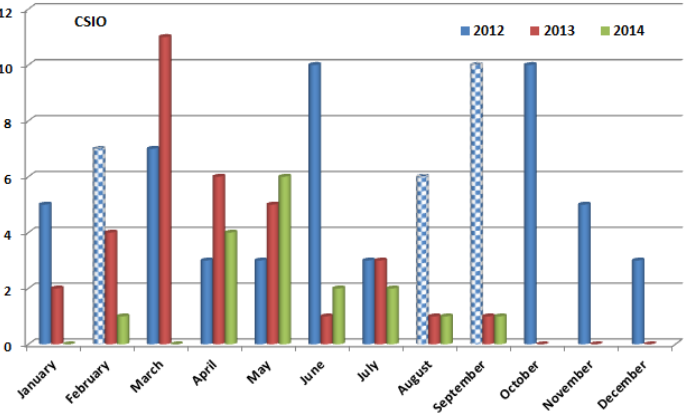
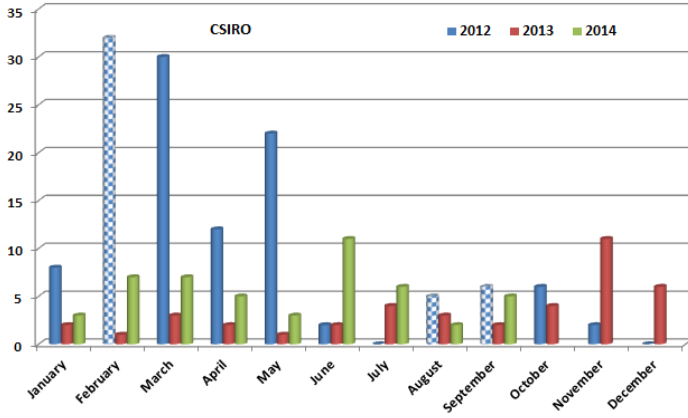
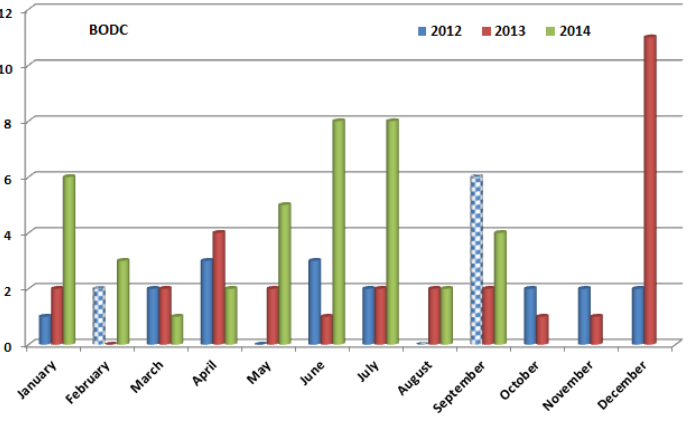
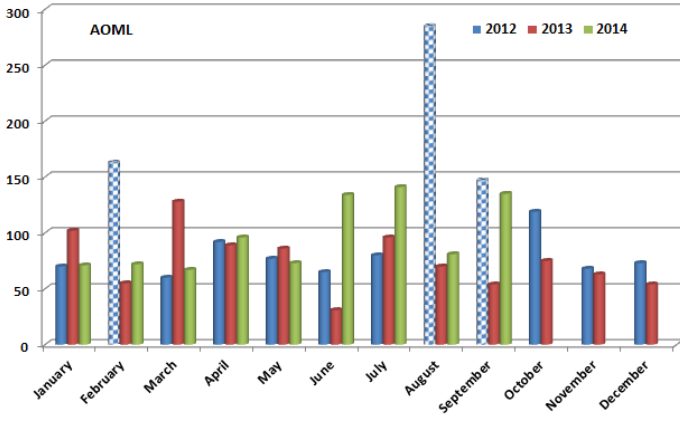
Plots showing evolution of number of anomalies by DAC.

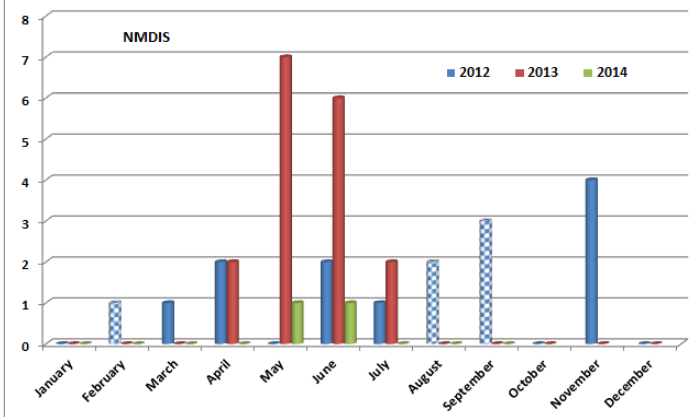
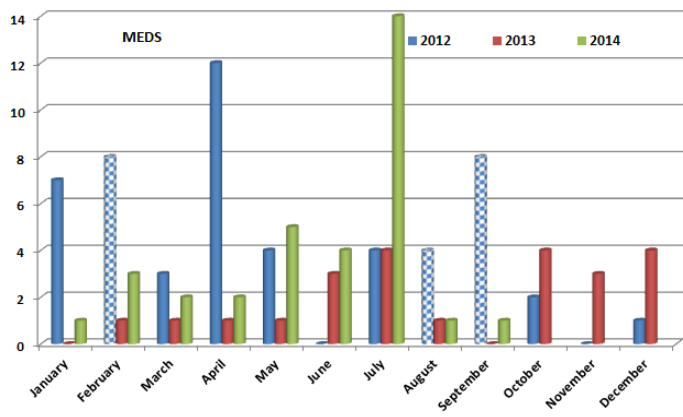
13.1. Year



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

13.2. DAC





13.3. Anomalies by year, by month

