



Anomalies on Argo profiles

From warning objective analysis, netcdf file analysis

February 2014

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Coriolis

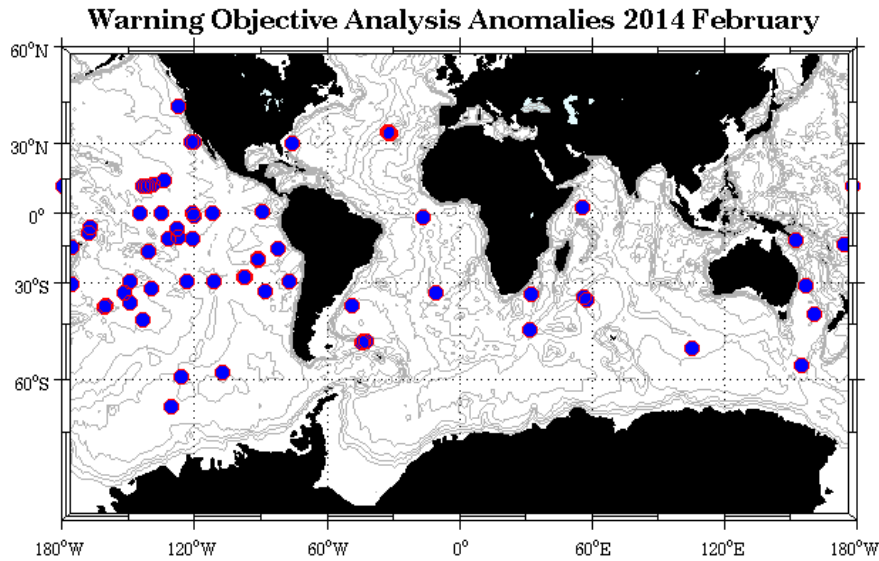
Anomalies by DAC

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1. DAC AOML

Profiles detected by the objective analysis: 72

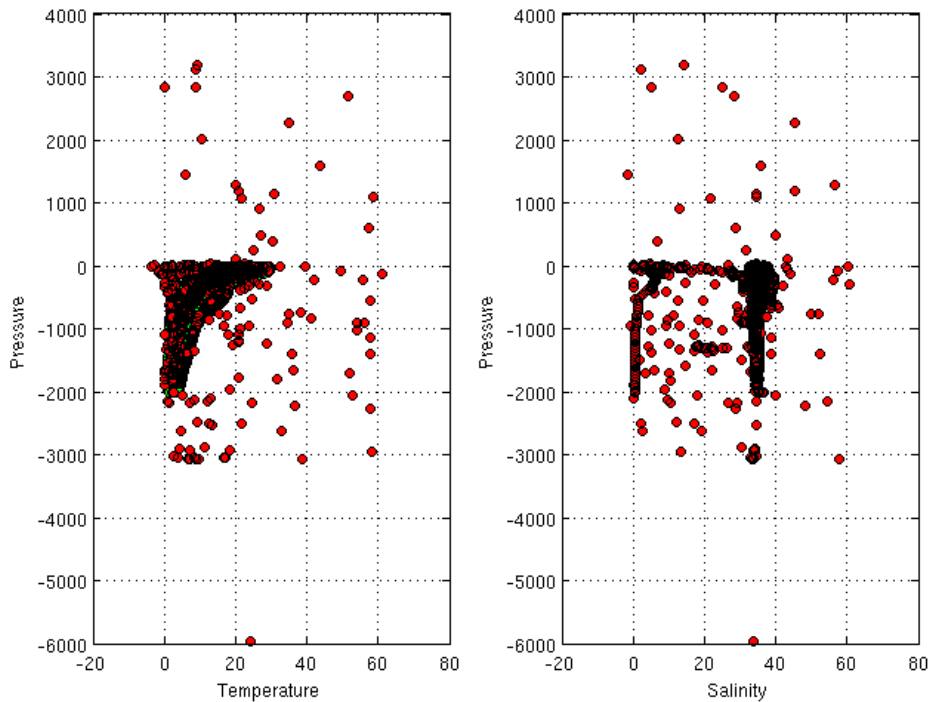


Status of corrections: Done except for few profiles –

Float : 1900727 - Cycle : 224 - PI : STEPHEN RISER - Data mode : D - INST REF : APEX_SBE_3110 - Date : 2014 1 29
Float : 1900729 - Cycle : 229 - PI : STEPHEN RISER - Data mode : R - INST REF : APEX_SBE_3112 - Date : 2014 2 25
Float : 1901045 - Cycle : 166 - PI : STEPHEN RISER - Data mode : D - INST REF : APEX_SBE_3229 - Date : 2014 1 26
Float : 1901372 - Cycle : 174 - PI : STEPHEN RISER - Data mode : D - INST REF : APEX_SBE_4325 - Date : 2014 1 27
Float : 1901415 - Cycle : 146 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX_SBE_4375 - Date : 2014 2 12
Float : 1901507 - Cycle : 102 - PI : BRECK OWENS - Data mode : R - INST REF : SOLO_SBE_1019 - Date : 2014 2 14
Float : 1901612 - Cycle : 73 - PI : DEAN ROEMMICH - Data mode : R - INST REF : SOLO2IR_SBE_8070 - Date : 2014 1 19
Float : 1901654 - Cycle : 16 - PI : BRECK OWENS, STEVE JAYNE, P.E. ROBBINS - Data mode : R - INST REF : SOLO_SBE_1164 - Date : 2014 2 18
Float : 1901663 - Cycle : 61 - PI : Breck Owens, Steve Jayne, P.E. Robbins - Data mode : R - INST REF : SOLO2IR_SBE_7179 - Date : 2014 1 28
Float : 3900715 - Cycle : 269 - PI : Robert A. Weller - Data mode : R - INST REF : SOLOIR_SBE_0856 - Date : 2014 1 28
Float : 3900715 - Cycle : 270 - PI : Robert A. Weller - Data mode : R - INST REF : SOLOIR_SBE_0856 - Date : 2014 2 7
Float : 3900844 - Cycle : 223 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX_SBE_3102 - Date : 2014 2 22
Float : 3901130 - Cycle : 48 - PI : DEAN ROEMMICH - Data mode : R - INST REF : SOLO2IR_SBE_8103 - Date : 2014 2 3
Float : 3901161 - Cycle : 4 - PI : DEAN ROEMMICH - Data mode : R - INST REF : SOLO2IR_SBE_8203 - Date : 2014 1 31
Float : 4900853 - Cycle : 191 - PI : GREGORY C. JOHNSON - Data mode : R - INST REF : APEX_SBE_3966 - Date : 2014 1 24
Float : 4900853 - Cycle : 192 - PI : GREGORY C. JOHNSON - Data mode : R - INST REF : APEX_SBE_3966 - Date : 2014 2 4
Float : 4901016 - Cycle : 186 - PI : BRECK OWENS - Data mode : R - INST REF : SOLO_SBE_SL883 - Date : 2014 1 31
Float : 4901016 - Cycle : 188 - PI : BRECK OWENS - Data mode : R - INST REF : SOLO_SBE_SL883 - Date : 2014 2 20
Float : 4901531 - Cycle : 52 - PI : Gregory C. Johnson - Data mode : A - INST REF : APEXIR_SBE_5312 - Date : 2014 2 3
Float : 4901586 - Cycle : 15 - PI : Breck Owens, Steve Jayne, and P.E. Robbi - Data mode : R - INST REF : SOLO2IR_SBE_7174 - Date : 2014 1 12
Float : 4901586 - Cycle : 16 - PI : Breck Owens, Steve Jayne, and P.E. Robbi - Data mode : R - INST REF : SOLO2IR_SBE_7174 - Date : 2014 1 22
Float : 4901586 - Cycle : 17 - PI : Breck Owens, Steve Jayne, and P.E. Robbi - Data mode : R - INST REF : SOLO2IR_SBE_7174 - Date : 2014 1 31
Float : 4901586 - Cycle : 18 - PI : Breck Owens, Steve Jayne, and P.E. Robbi - Data mode : R - INST REF : SOLO2IR_SBE_7174 - Date : 2014 2 10
Float : 4901586 - Cycle : 19 - PI : Breck Owens, Steve Jayne, and P.E. Robbi - Data mode : R - INST REF : SOLO2IR_SBE_7174 - Date : 2014 2 20
Float : 5900425 - Cycle : 345 - PI : STEPHEN RISER - Data mode : D - INST REF : APEX_SBE_1030 - Date : 2013 12 28
Float : 5900425 - Cycle : 350 - PI : STEPHEN RISER - Data mode : R - INST REF : APEX_SBE_1030 - Date : 2014 2 19
Float : 5900696 - Cycle : 319 - PI : STEPHEN RISER - Data mode : R - INST REF : APEX_SBE_1708 - Date : 2014 1 29
Float : 5900696 - Cycle : 320 - PI : STEPHEN RISER - Data mode : R - INST REF : APEX_SBE_1708 - Date : 2014 2 9
Float : 5900696 - Cycle : 321 - PI : STEPHEN RISER - Data mode : R - INST REF : APEX_SBE_1708 - Date : 2014 2 19
Float : 5900886 - Cycle : 307 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : APEX_SBE_1880 - Date : 2014 1 23
Float : 5900886 - Cycle : 308 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : APEX_SBE_1880 - Date : 2014 2 3
Float : 5900886 - Cycle : 309 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : APEX_SBE_1880 - Date : 2014 2 13
Float : 5900886 - Cycle : 310 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : APEX_SBE_1880 - Date : 2014 2 24
Float : 5900983 - Cycle : 301 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : APEX_SBE_2008 - Date : 2014 2 24
Float : 5901061 - Cycle : 276 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX_SBE_1895 - Date : 2014 2 7
Float : 5901278 - Cycle : 274 - PI : DEAN ROEMMICH - Data mode : R - INST REF : SOLO_SBE_2628 - Date : 2014 1 27
Float : 5901278 - Cycle : 275 - PI : DEAN ROEMMICH - Data mode : R - INST REF : SOLO_SBE_2628 - Date : 2014 2 6
Float : 5901278 - Cycle : 276 - PI : DEAN ROEMMICH - Data mode : R - INST REF : SOLO_SBE_2628 - Date : 2014 2 16

Float : 5901884 - Cycle : 187 - PI : STEPHEN RISER - Data mode : R - INST REF : APEX_SBE_3733 - Date : 2014 2 6
 Float : 5901897 - Cycle : 194 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX_SBE_3941 - Date : 2014 2 21
 Float : 5902078 - Cycle : 189 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX_SBE_3944 - Date : 2014 1 27
 Float : 5902216 - Cycle : 180 - PI : GREGORY C. JOHNSON - Data mode : R - INST REF : APEX_SBE_4017 - Date : 2014 1 25
 Float : 5902216 - Cycle : 181 - PI : GREGORY C. JOHNSON - Data mode : R - INST REF : APEX_SBE_4017 - Date : 2014 2 6
 Float : 5902245 - Cycle : 167 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : APEX_SBE_4092 - Date : 2014 1 30
 Float : 5902262 - Cycle : 210 - PI : Stephen Riser - Data mode : A - INST REF : APEXIR_SBE_4452 - Date : 2014 2 14
 Float : 5903300 - Cycle : 153 - PI : DEAN ROEMMICH - Data mode : R - INST REF : SOLO_SBE_2862 - Date : 2014 1 28
 Float : 5903417 - Cycle : 9 - PI : STEPHEN RISER - Data mode : R - INST REF : APEX_SBE_6433 - Date : 2014 2 1
 Float : 5903431 - Cycle : 87 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX_SBE_5226 - Date : 2014 2 20
 Float : 5903441 - Cycle : 86 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX_SBE_5333 - Date : 2014 1 31
 Float : 5903441 - Cycle : 88 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX_SBE_5333 - Date : 2014 2 21
 Float : 5903510 - Cycle : 114 - PI : DEAN ROEMMICH - Data mode : R - INST REF : SOLO_SBE_2978 - Date : 2014 1 30
 Float : 5903768 - Cycle : 91 - PI : DEAN ROEMMICH - Data mode : R - INST REF : SOLO2IR_SBE_8055 - Date : 2014 2 16
 Float : 5903844 - Cycle : 61 - PI : Gregory C. Johnson - Data mode : R - INST REF : NAVISIR_SBE_0144 - Date : 2014 2 11
 Float : 5903865 - Cycle : 73 - PI : Gregory C. Johnson - Data mode : A - INST REF : APEXIR_SBE_5328 - Date : 2014 2 11
 Float : 5903889 - Cycle : 73 - PI : Stephen Riser - Data mode : A - INST REF : APEXIR_SBE_5381 - Date : 2014 2 17
 Float : 5903975 - Cycle : 44 - PI : STEPHEN RISER - Data mode : R - INST REF : APEX_SBE_5851 - Date : 2014 2 3
 Float : 5903975 - Cycle : 46 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX_SBE_5851 - Date : 2014 2 23
 Float : 5903976 - Cycle : 43 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX_SBE_5848 - Date : 2014 2 7
 Float : 5903979 - Cycle : 43 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX_SBE_5850 - Date : 2014 2 6
 Float : 5903980 - Cycle : 45 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX_SBE_5852 - Date : 2014 2 22
 Float : 5903982 - Cycle : 42 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX_SBE_6220 - Date : 2014 1 25
 Float : 5903984 - Cycle : 43 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX_SBE_6222 - Date : 2014 1 29
 Float : 5903986 - Cycle : 42 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX_SBE_6224 - Date : 2014 1 29
 Float : 5903986 - Cycle : 44 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX_SBE_6224 - Date : 2014 2 19
 Float : 5904080 - Cycle : 54 - PI : DEAN ROEMMICH - Data mode : R - INST REF : SOLO2IR_SBE_7091 - Date : 2014 1 30
 Float : 5904113 - Cycle : 17 - PI : STEPHEN RISER - Data mode : A - INST REF : APEX_SBE_6390 - Date : 2014 1 30
 Float : 5904159 - Cycle : 7 - PI : Stephen Riser - Data mode : A - INST REF : APEXIR_SBE_6467 - Date : 2014 1 23
 Float : 5904196 - Cycle : 41 - PI : DEAN ROEMMICH - Data mode : R - INST REF : SOLOIR_SBE_3067 - Date : 2014 2 22
 Float : 5904307 - Cycle : 3 - PI : DEAN ROEMMICH - Data mode : R - INST REF : SOLO2IR_SBE_8207 - Date : 2014 2 3
 Float : 5904500 - Cycle : 3 - PI : DEAN ROEMMICH - Data mode : R - INST REF : SOLO2IR_SBE_8213 - Date : 2014 2 10
 Float : 5904504 - Cycle : 1 - PI : DEAN ROEMMICH - Data mode : R - INST REF : SOLO2IR_SBE_8217 - Date : 2014 2 12
 Float : 5904504 - Cycle : 2 - PI : DEAN ROEMMICH - Data mode : R - INST REF : SOLO2IR_SBE_8217 - Date : 2014 2 13

Warning Objective Analysis Anomalies 2014 February TEMP PSAL - DAC AO



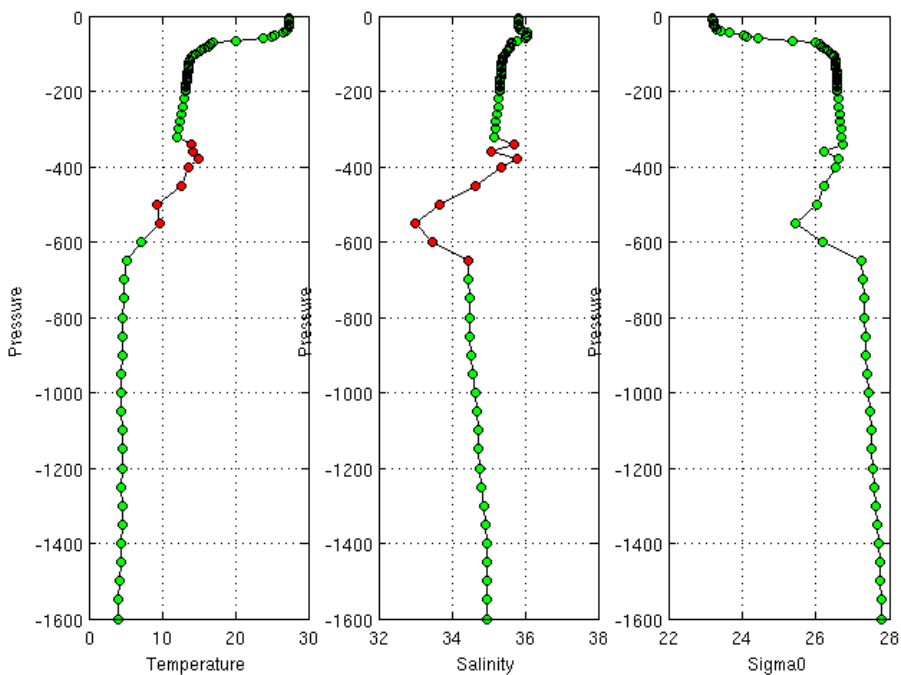
DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
 AO,5900425,345,29/12/2013 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=31969355> ,PSAL,770.8,770.8,1,4
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 AO,5900886,307,29/01/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32200857> ,TEMP,79.2,276.4,1,4
 AO,5900886,307,29/01/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32200857> ,TEMP,607.5,607.5,1,4

AO,5903441,88,21/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32436801 ,PSAL,360.2,360.2,1,4
 AO,5901897,194,23/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32441759 ,TEMP,279.9,279.9,1,4
 AO,5903980,45,23/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32441831 ,TEMP,339,339,1,4
 AO,5904196,41,22/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32441861 ,PSAL,1726,1726,1,4
 AO,5903975,46,24/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32442412 ,TEMP,1693.3,1693.3,1,4
 AO,1900729,229,26/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32465991 ,PSAL,0,0,1,4
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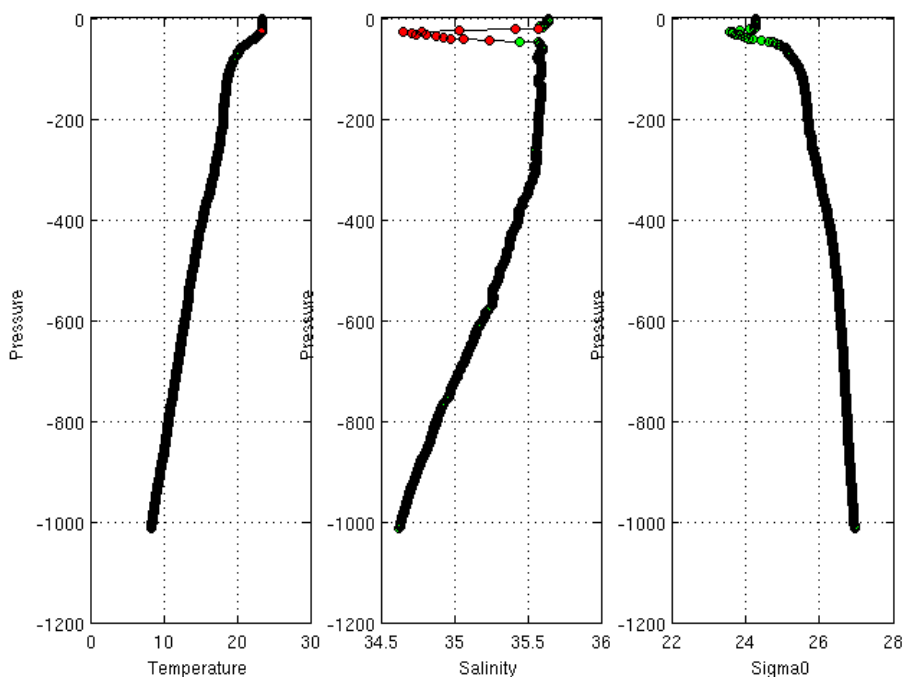
APEX to put on the grey list:

Example of corrections:

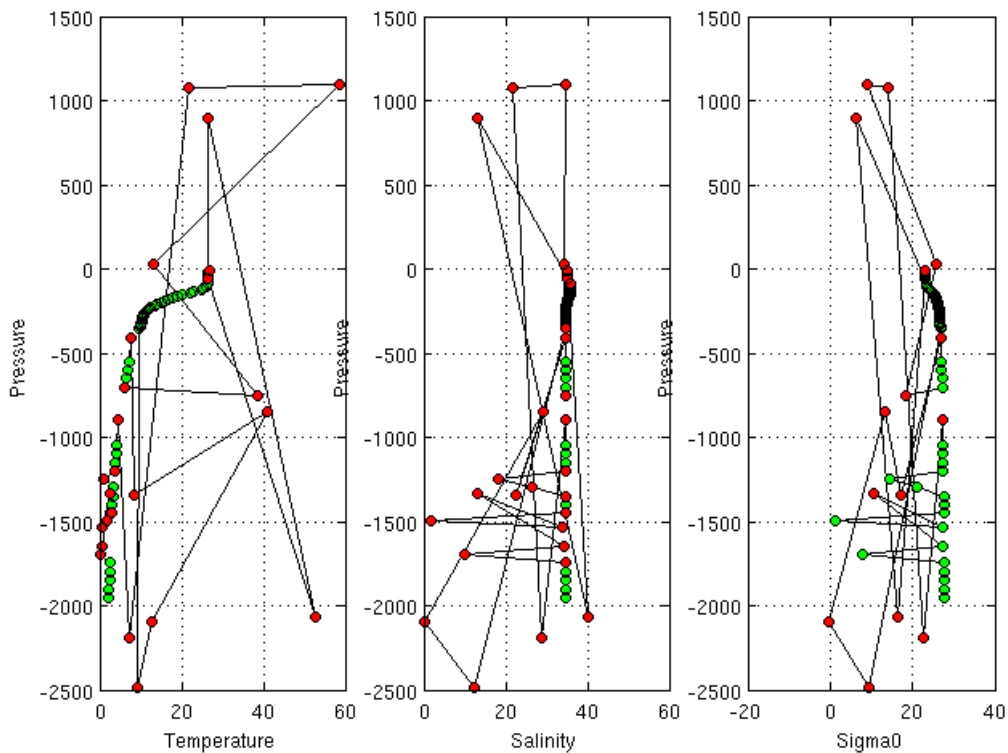
Warning Objective Analysis Anomalies 2014 February TEMP PSAL : DAC AO- Float 1901507-102



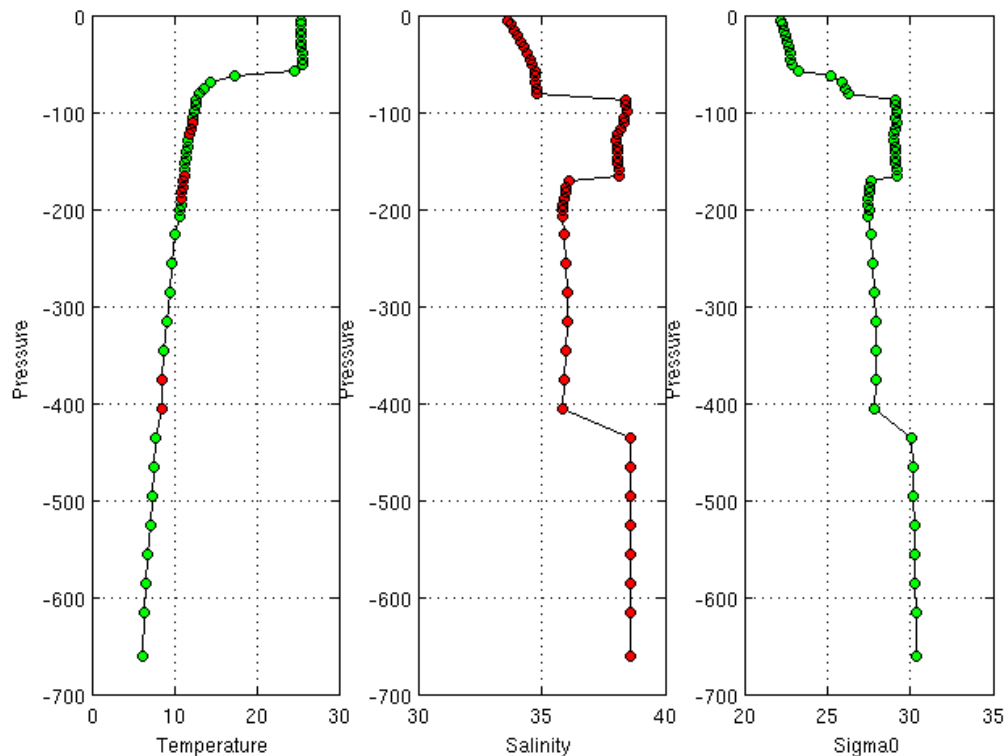
Warning Objective Analysis Anomalies 2014 February TEMP PSAL : DAC AO- Float 1901663-61



Warning Objective Analysis Anomalies 2014 February TEMP PSAL : DAC AO- Float 3900844-223



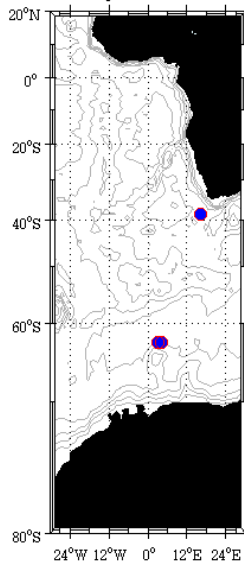
Warning Objective Analysis Anomalies 2014 February TEMP PSAL : DAC AO- Float 5901278-275



2. DAC BODC

Profiles detected by the objective analysis: 3

Warning Objective Analysis Anomalies 2014 February



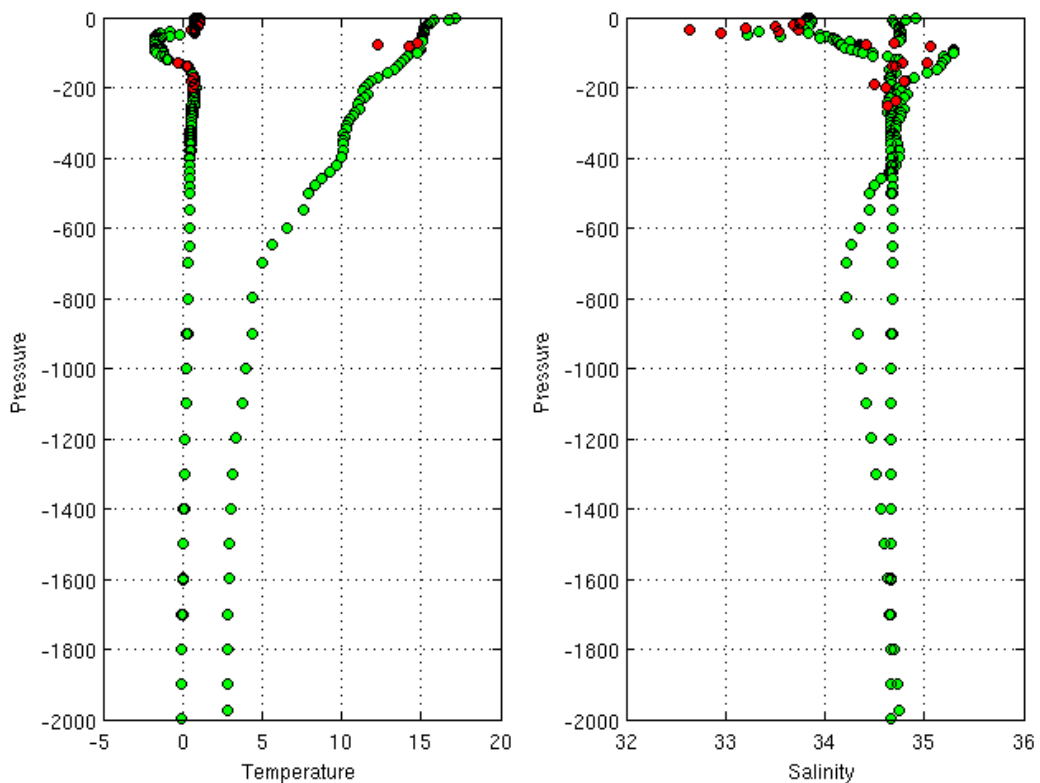
Status of corrections: Not Done, no feedback

Float : 1901225 - Cycle : 189 - PI : Jon Turton - Data mode : A - INST REF : APEX-SBE 3848 - Date : 2014 2 17

Float : 1901251 - Cycle : 140 - PI : Jon Turton - Data mode : A - INST REF : APEX-SBE 4502 - Date : 2014 2 3

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

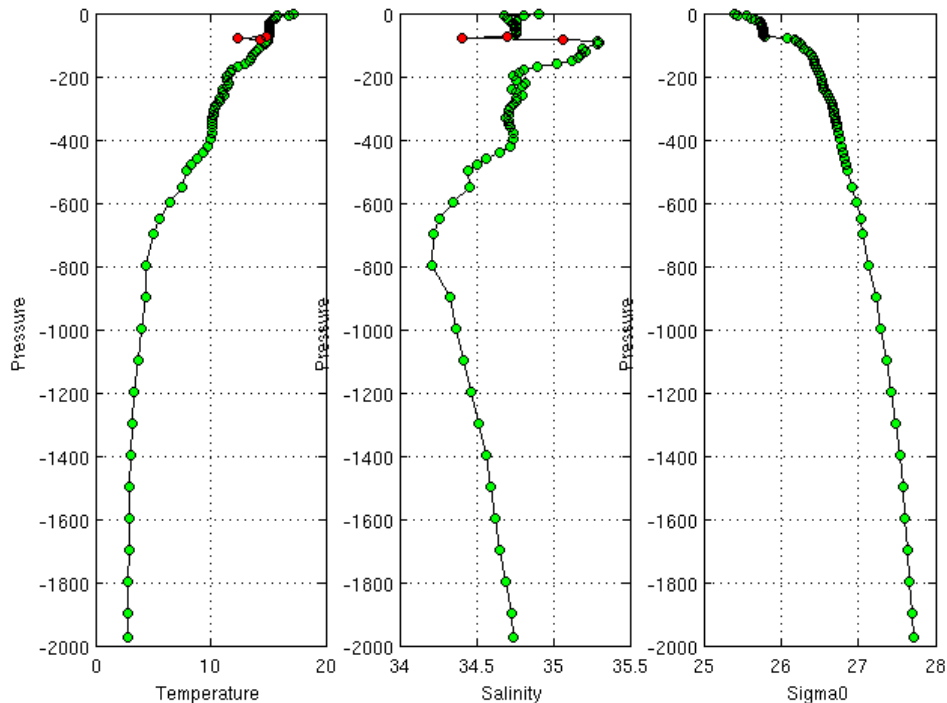
Warning Objective Analysis Anomalies 2014 February TEMP PSAL - DAC BO



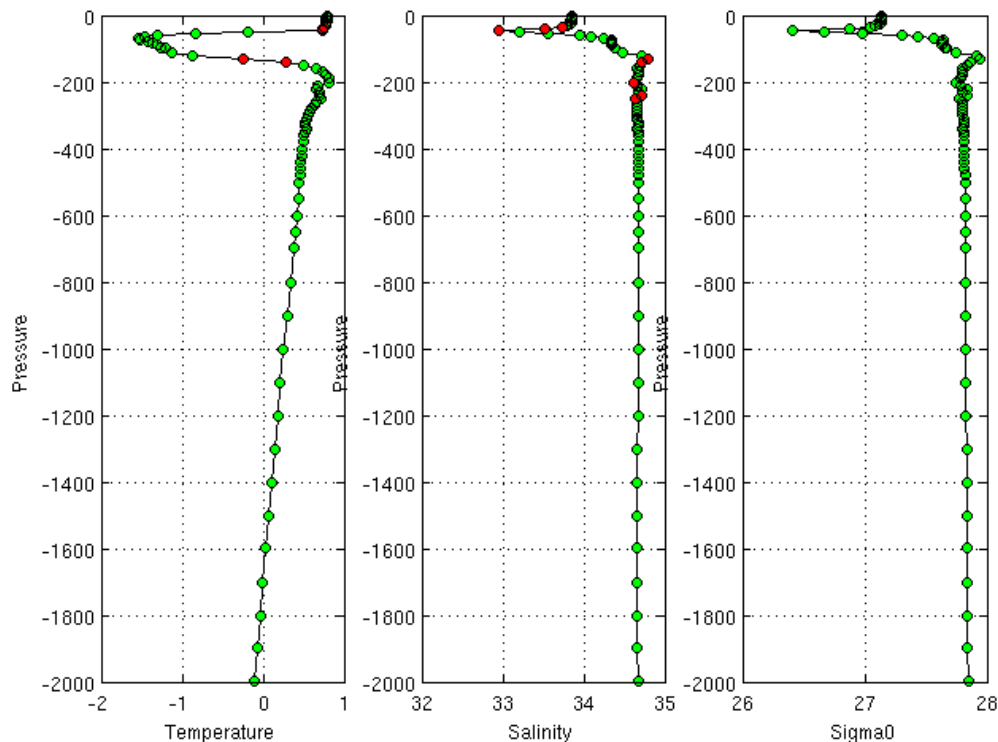
DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
BO,1901251,140,03/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32277457 ,PSAL,40.2,40.2,1,4
BO,1901225,189,18/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32392410 ,PSAL,4.3,69.8,1,4
BO,1901251,142,24/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32442240 ,PSAL,50.3,55.4,1,4

Example of corrections:

Warning Objective Analysis Anomalies 2014 February TEMP PSAL : DAC BO- Float 1901225-189



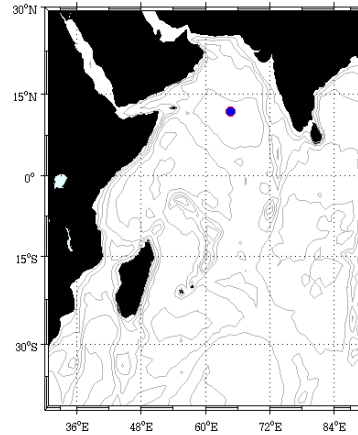
Warning Objective Analysis Anomalies 2014 February TEMP PSAL : DAC BO- Float 1901251-142



3. DAC CSIO

Profiles detected by the objective analysis: 1

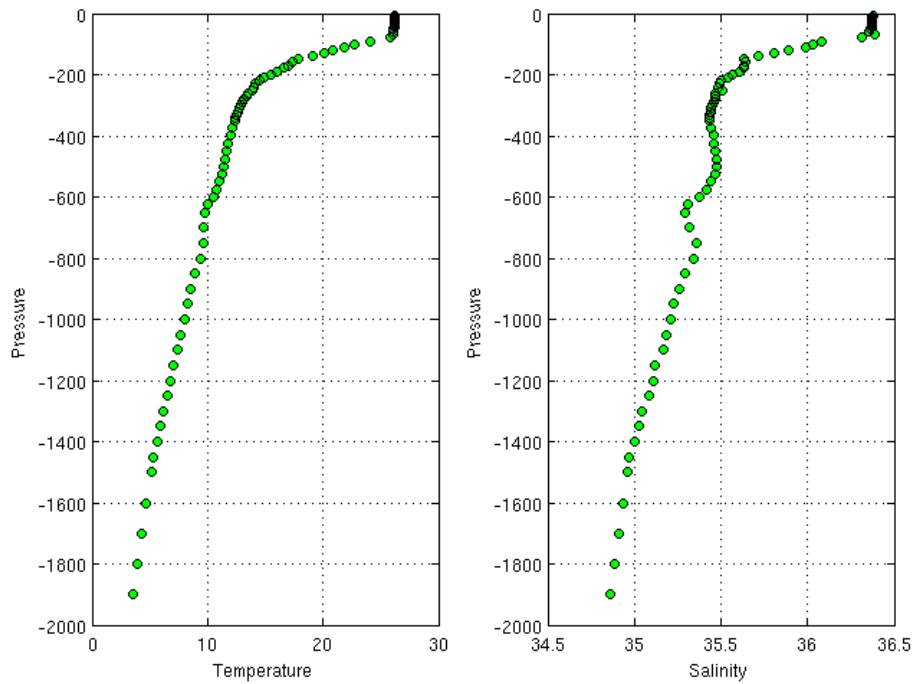
Warning Objective Analysis Anomalies 2014 February



Status of corrections: Done (resubmission with correction on data ?), no feedback

Float : 2901511 - Cycle : 82 - PI : JIANPING XU - Data mode : A - INST REF : - Date : 2014 2 1

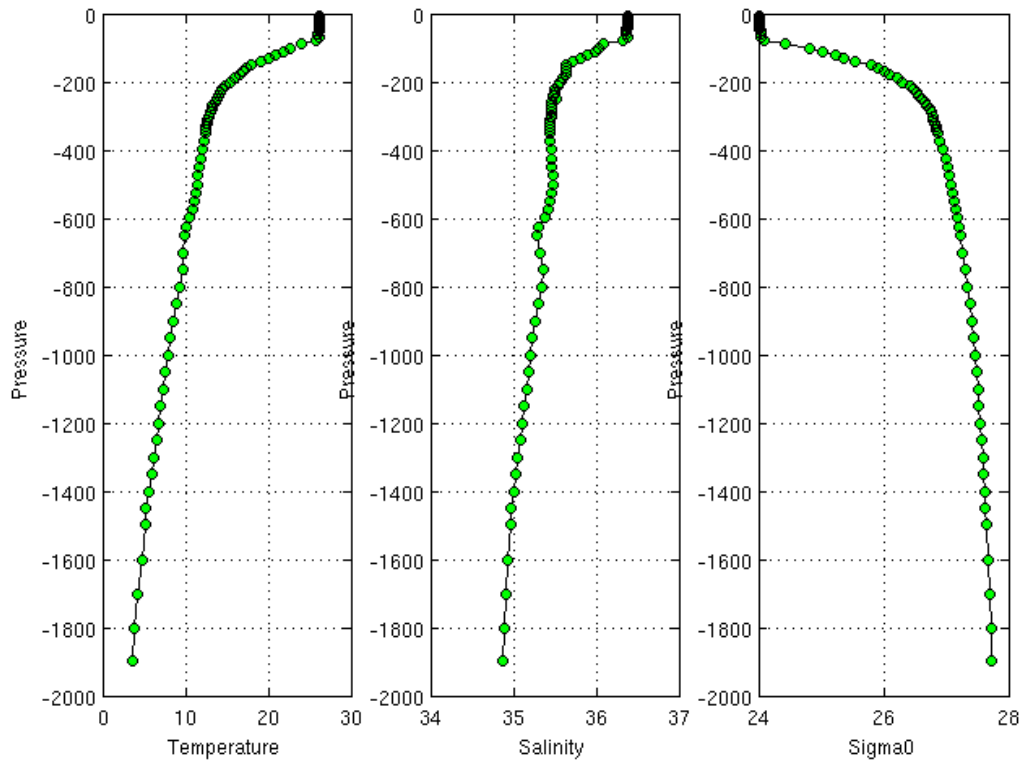
Warning Objective Analysis Anomalies 2014 February TEMP PSAL - DAC HZ



DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
HZ,2901511,82,02/02/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32257762> ,PSAL,1600.4,1600.4,1,4

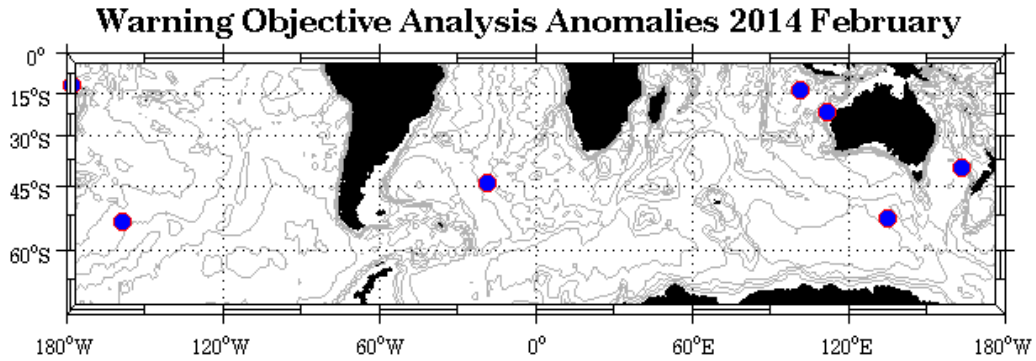
Example of corrections:

Warning Objective Analysis Anomalies 2014 February TEMP PSAL : DAC HZ- Float 2901511-82



4. DAC CSIRO

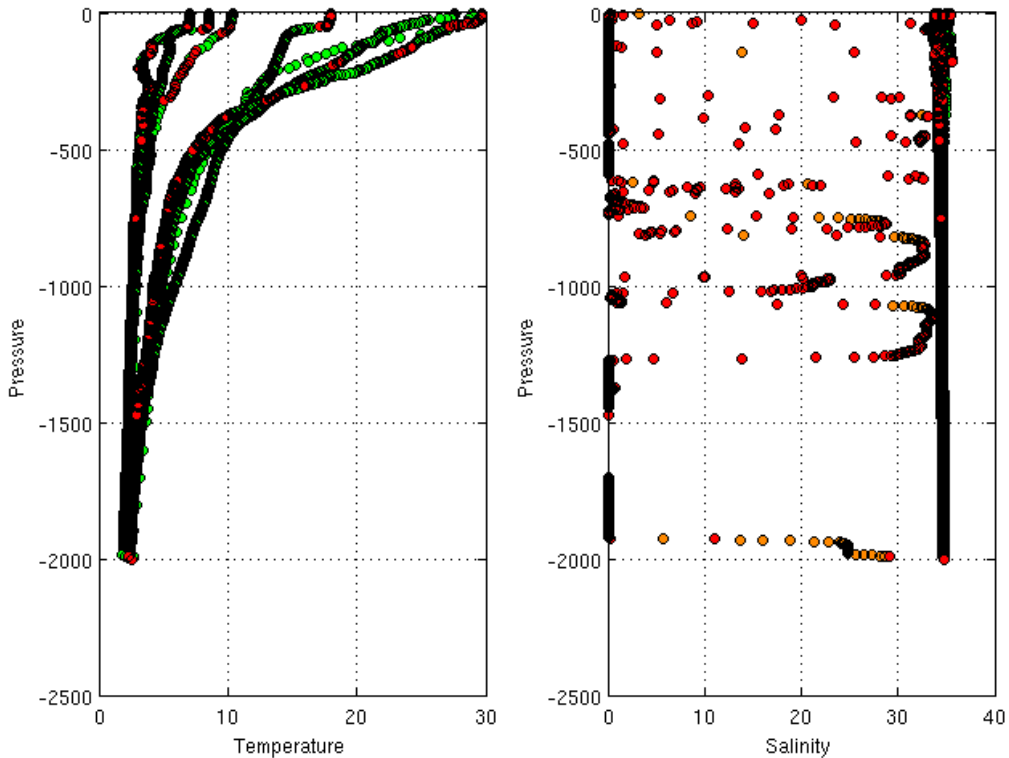
Profiles detected by the objective analysis: 7



Status of corrections: DONE with feedback

Float : 5900845 - Cycle : 328 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2014 2 9
Float : 5901677 - Cycle : 188 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2014 2 8
Float : 5903700 - Cycle : 88 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2014 2 21
Float : 5903914 - Cycle : 80 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2014 1 30
Float : 5903940 - Cycle : 73 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2014 1 28
Float : 5904261 - Cycle : 18 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2014 2 5
Float : 5904883 - Cycle : 2 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2014 2 120

Warning Objective Analysis Anomalies 2014 February TEMP PSAL - DAC CS

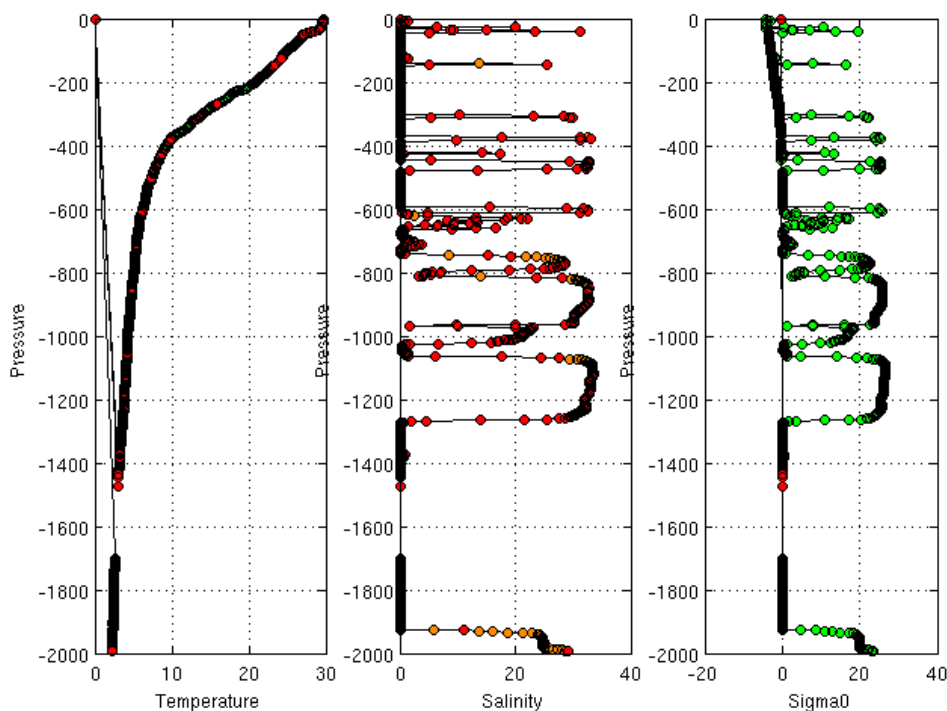


DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
CS,5903940,73,29/01/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32253992> ,PSAL,62,62,1,4
CS,5903914,80,02/02/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32254105> ,PSAL,3.1,3.1,1,4

DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
 CS,5903940,73,06/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32253992 ,PSAL,62,62,1,4
 CS,5904883,2,13/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32254036 ,PSAL,58,62,1,4
 CS,5904883,2,13/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32254036 ,PSAL,154,154,1,4
 CS,5901677,188,08/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32317316 ,PSAL,186,190,1,4
 CS,5901677,188,08/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32317316 ,PSAL,196,518,1,4
 CS,5900845,328,12/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32323912 ,PSAL,4.6,39.5,1,4
 CS,5900845,328,12/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32323912 ,PSAL,79.1,129.5,1,4
 CS,5900845,328,12/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32323912 ,PSAL,159.7,169.7,1,4
 CS,5900845,328,12/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32323912 ,PSAL,239.5,259.3,1,4
 CS,5904261,18,05/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32335512 ,PSAL,14,38,1,3
 CS,5904261,18,05/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32335512 ,PSAL,53.8,546,1,3
 CS,5903700,88,21/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32436597 ,PSAL,142,142,3,4
 CS,5903700,88,21/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32436597 ,PSAL,376,378,3,4
 CS,5903700,88,21/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32436597 ,PSAL,449.9,452,3,4
 CS,5903700,88,21/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32436597 ,PSAL,468,468,3,4
 CS,5903700,88,21/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32436597 ,PSAL,600,606,3,4
 CS,5903700,88,21/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32436597 ,PSAL,620,620,3,4
 CS,5903700,88,21/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32436597 ,PSAL,628,628,3,4
 CS,5903700,88,21/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32436597 ,PSAL,700,710,3,4
 CS,5903700,88,21/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32436597 ,PSAL,744,744,3,4
 CS,5903700,88,21/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32436597 ,PSAL,750,770,3,4
 CS,5903700,88,21/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32436597 ,PSAL,814,814,3,4
 CS,5903700,88,21/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32436597 ,PSAL,820,850,3,4
 CS,5903700,88,21/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32436597 ,PSAL,866,890,3,4
 CS,5903700,88,21/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32436597 ,PSAL,922,922,3,4
 CS,5903700,88,21/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32436597 ,PSAL,938,938,3,4
 CS,5903700,88,21/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32436597 ,PSAL,948,952,3,4
 CS,5903700,88,21/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32436597 ,PSAL,1072,1126,3,4
 CS,5903700,88,21/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32436597 ,PSAL,1148,1178,3,4
 CS,5903700,88,21/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32436597 ,PSAL,1200,1224,3,4
 CS,5903700,88,21/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32436597 ,PSAL,1926,1926,3,4
 CS,5903700,88,21/02/2014 00:00:00,A,http://www.ifremer.fr/WC2argoFloats/station?&stationId=32436597 ,PSAL,1930,1992,3,4

Example of corrections:

Warning Objective Analysis Anomalies 2014 February TEMP PSAL : DAC CS- Float 5903700-88



5. DAC INCOIS

Profiles detected by the objective analysis: 0

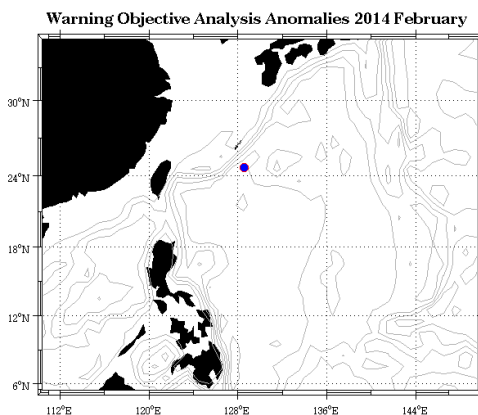
Status of corrections:)

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

Example of corrections:

6. DAC JMA/JAMSTEC

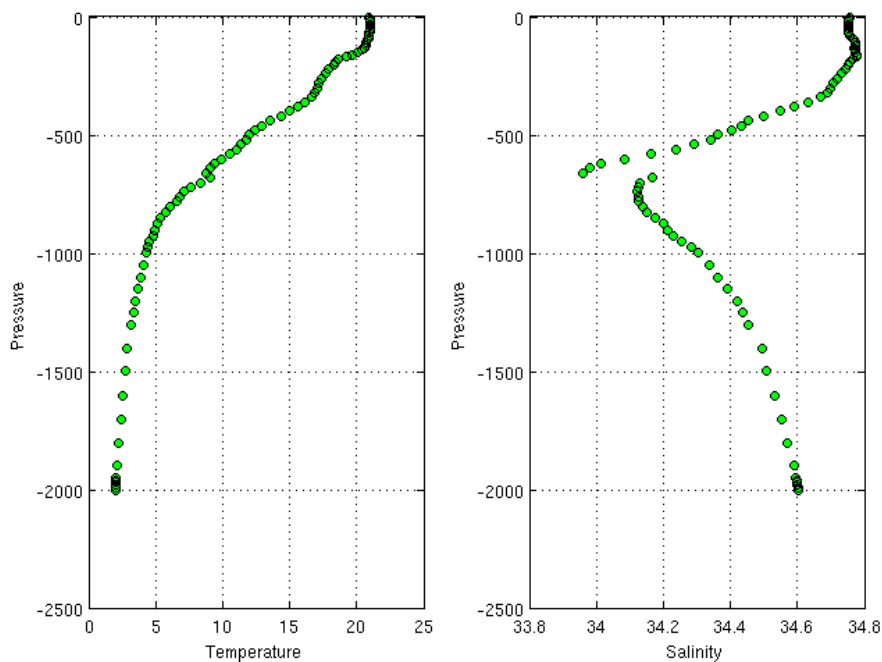
Profiles detected by the objective analysis: 1



Status of corrections: Not done, no feedback

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

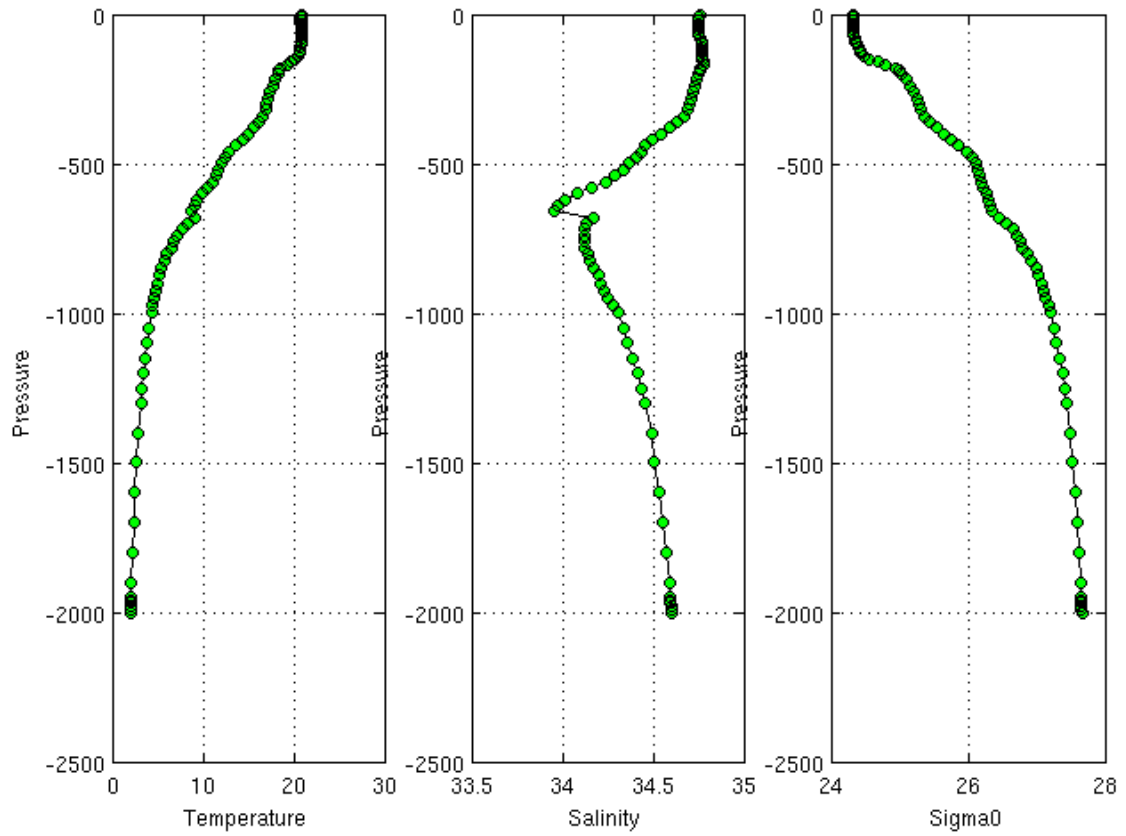
Warning Objective Analysis Anomalies 2014 February TEMP PSAL - DAC JA



DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
JA,2902501,9,24/02/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32436360> ,PSAL,559.9,660.1,1,4

Example of anomalies: Strange salinity comparing to others profiles same float.

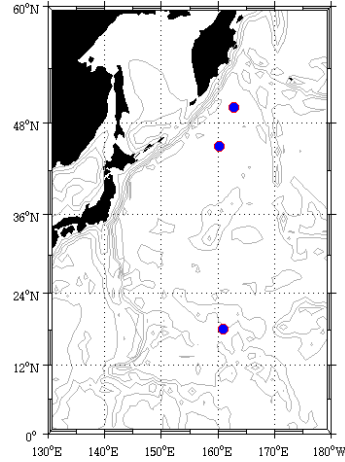
Warning Objective Analysis Anomalies 2014 February TEMP PSAL : DAC JA- Float 2902501-9



7. DAC KMA

Profiles detected by the objective analysis: 3

Warning Objective Analysis Anomalies 2014 February



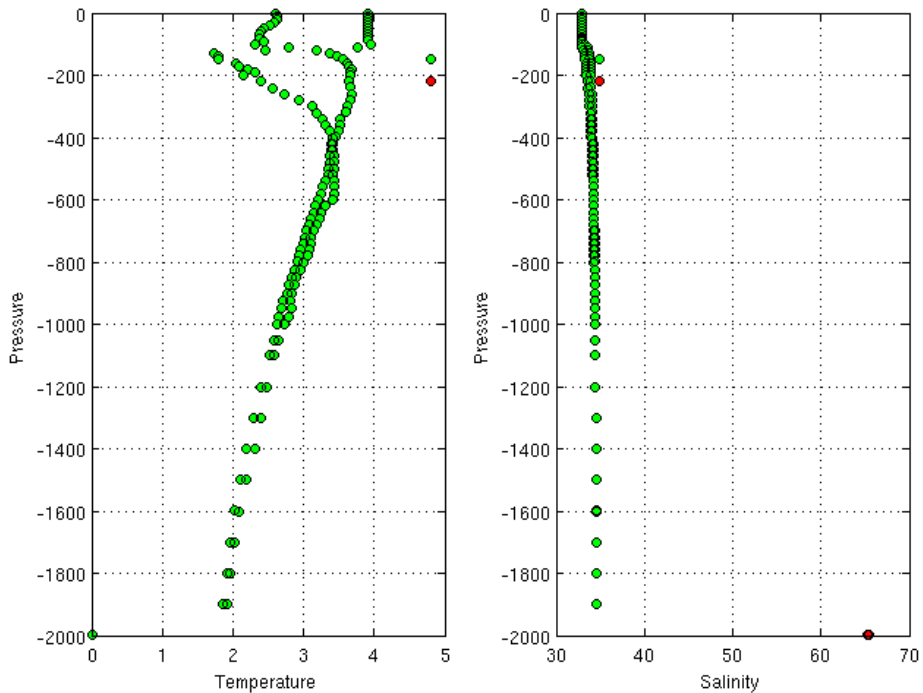
Status of corrections: NOT DONE, NO FEEDBACK

Float : 2900890 - Cycle : 202 - PI : Jang-Won Seo - Data mode : R - INST REF : APEX Profiling Float - Date : 2013 12 31

Float : 2901713 - Cycle : 18 - PI : Young-Hwa Kim - Data mode : R - INST REF : APEX Profiling Float - Date : 2014 1 30

Float : 2901714 - Cycle : 18 - PI : Young-Hwa Kim - Data mode : R - INST REF : APEX Profiling Float - Date : 2014 1 31

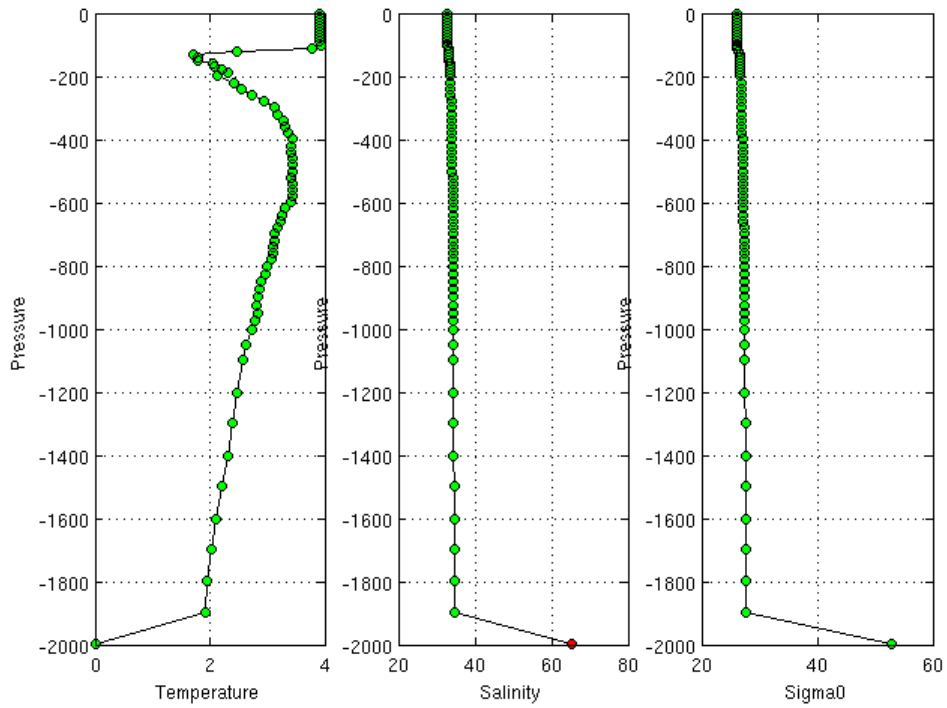
Warning Objective Analysis Anomalies 2014 February TEMP PSAL - DAC KM



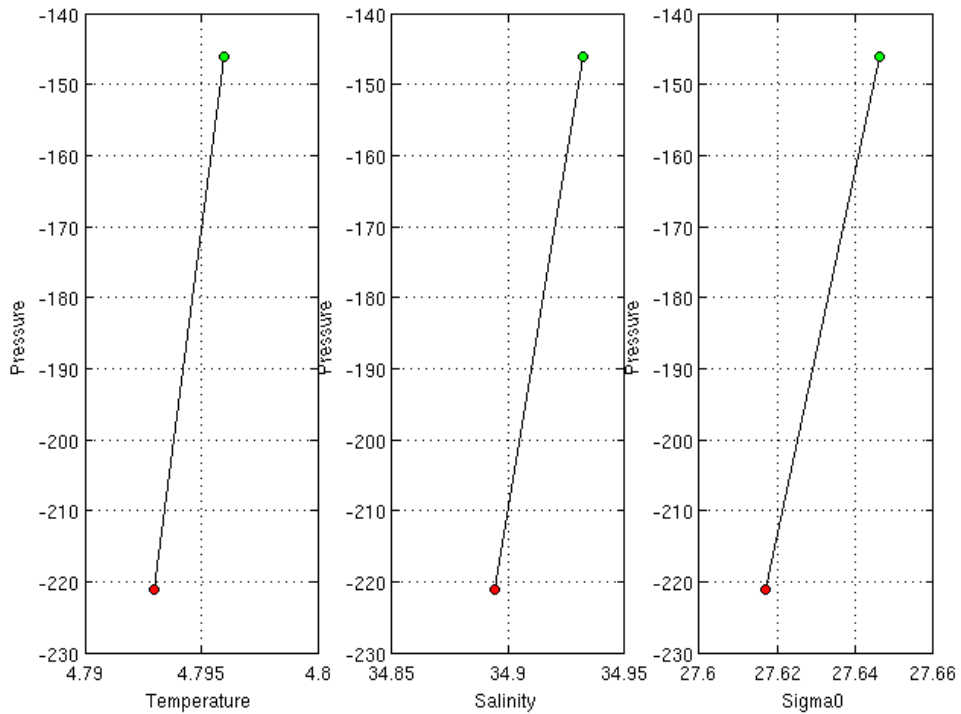
DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
KM,2900890,202,28/01/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32038222> ,PSAL,146.1,146.1,1,4
KM,2900890,202,28/01/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32038222> ,TEMP,146.1,146.1,1,4
KM,2901713,18,31/01/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32277727> ,TEMP,1997.5,1997.5,1,4
KM,2901714,18,01/02/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32277728> ,TEMP,1997.5,1997.5,1,4
KM,2901713,18,31/01/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32277727> ,TEMP,1997.5,1997.5,1,4
KM,2901714,18,01/02/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32277728> ,TEMP,1997.5,1997.5,1,4

Example of anomalies:

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



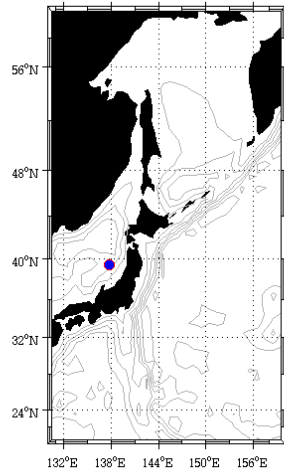
Warning Objective Analysis Anomalies 2014 February TEMP PSAL : DAC KM- Float 2900890-202



8. DAC KORDI

Profiles detected by the objective analysis: 1

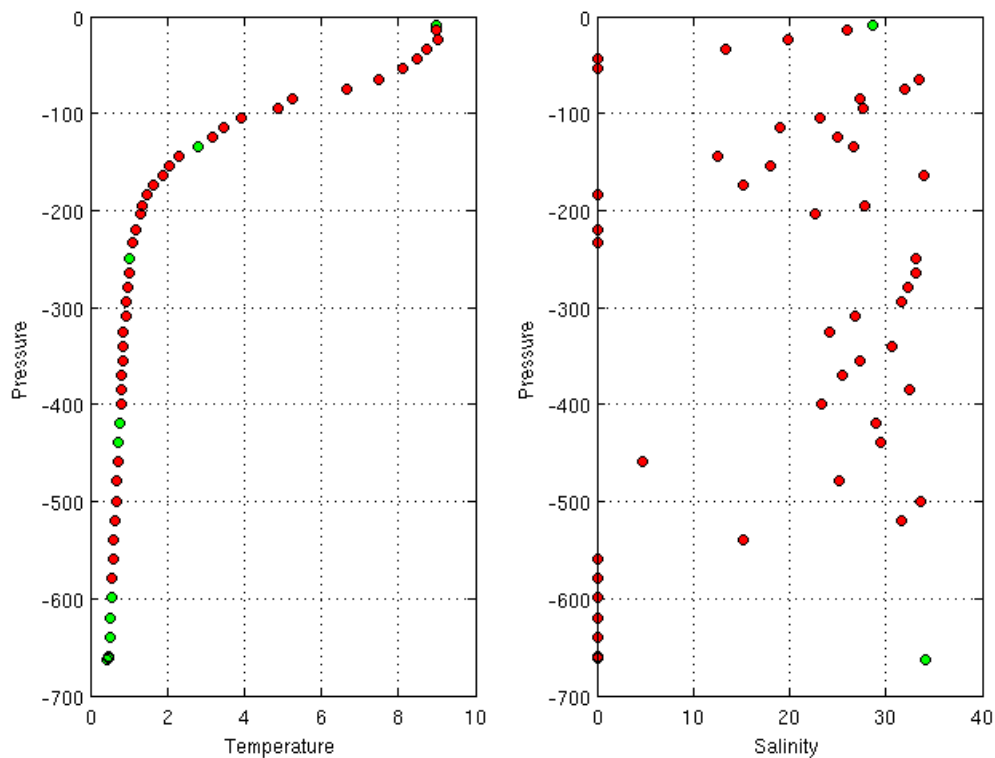
Warning Objective Analysis Anomalies 2014 February



Status of corrections: Not done, no feedback

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

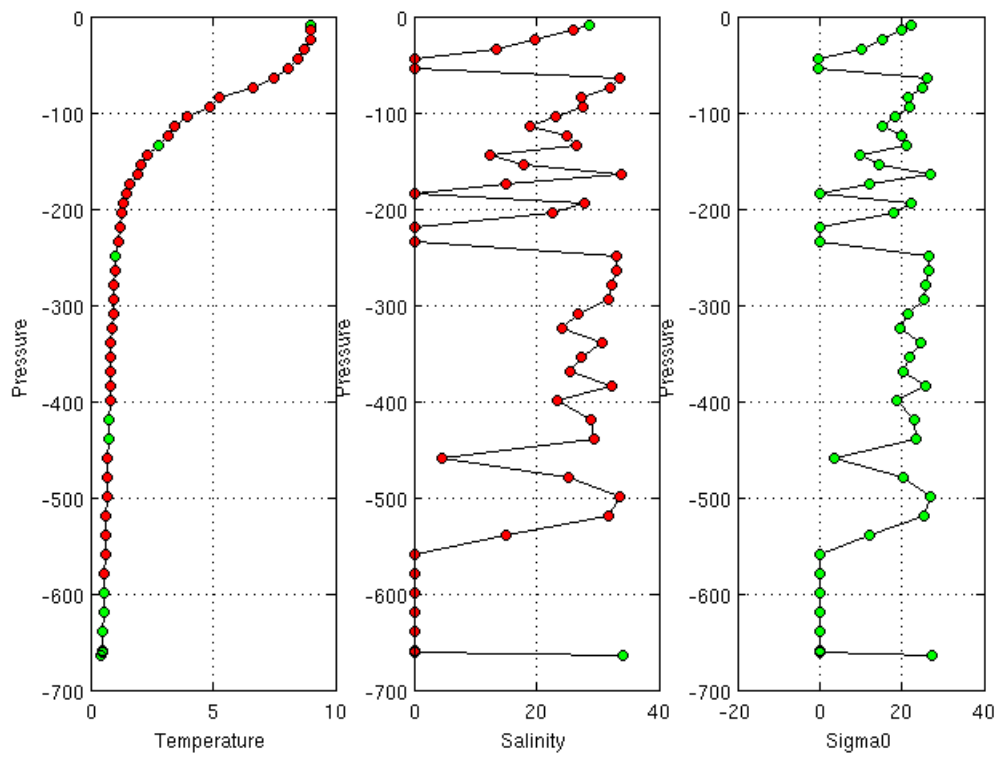
Warning Objective Analysis Anomalies 2014 February TEMP PSAL - DAC KO



DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
KO,2900209,418,15/02/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32356752> ,PSAL,9.8,9.8,1,4
KO,2900209,418,15/02/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32356752> ,PSAL,663.5,663.5,1,4

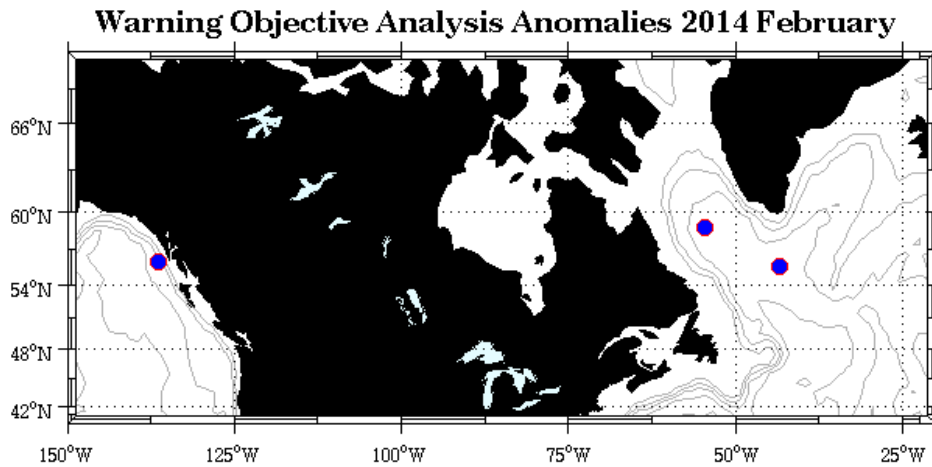
Example of anomalies:

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



9. DAC MEDS

Profiles detected by the objective analysis: 3



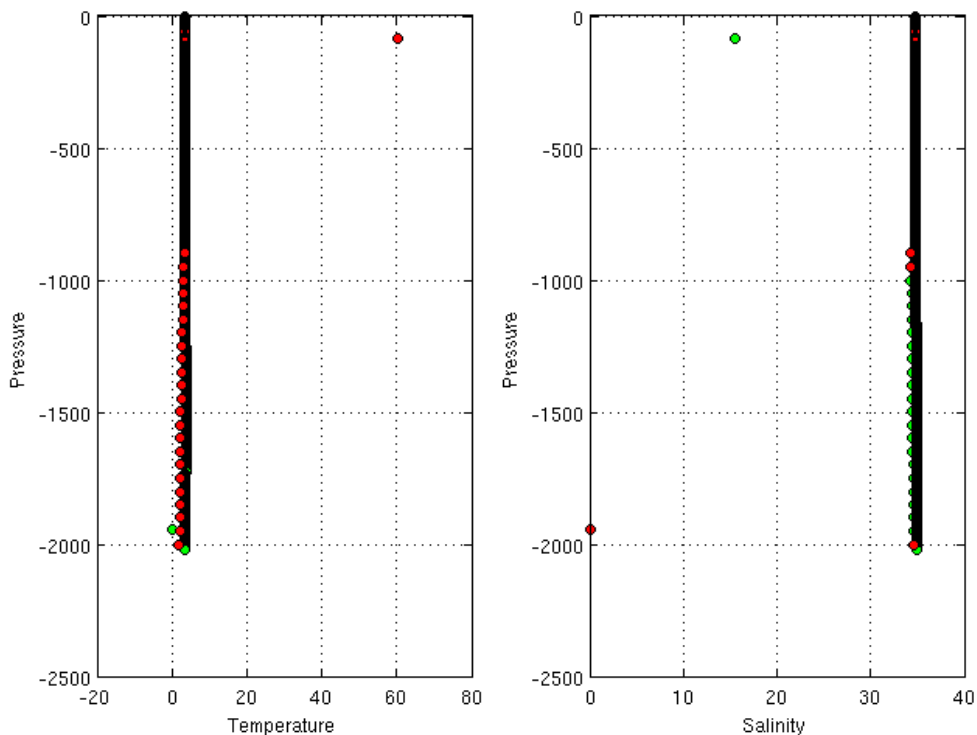
Status of corrections: NOT DONE, NO FEEDBACK

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

Float : 4901162 - Cycle : 101 - PI : Denis Gilbert - Data mode : R - INST REF : - Date : 2014 2 10

Float : 4901753 - Cycle : 28 - PI : Denis Gilbert - Data mode : A - INST REF : - Date : 2014 2 18

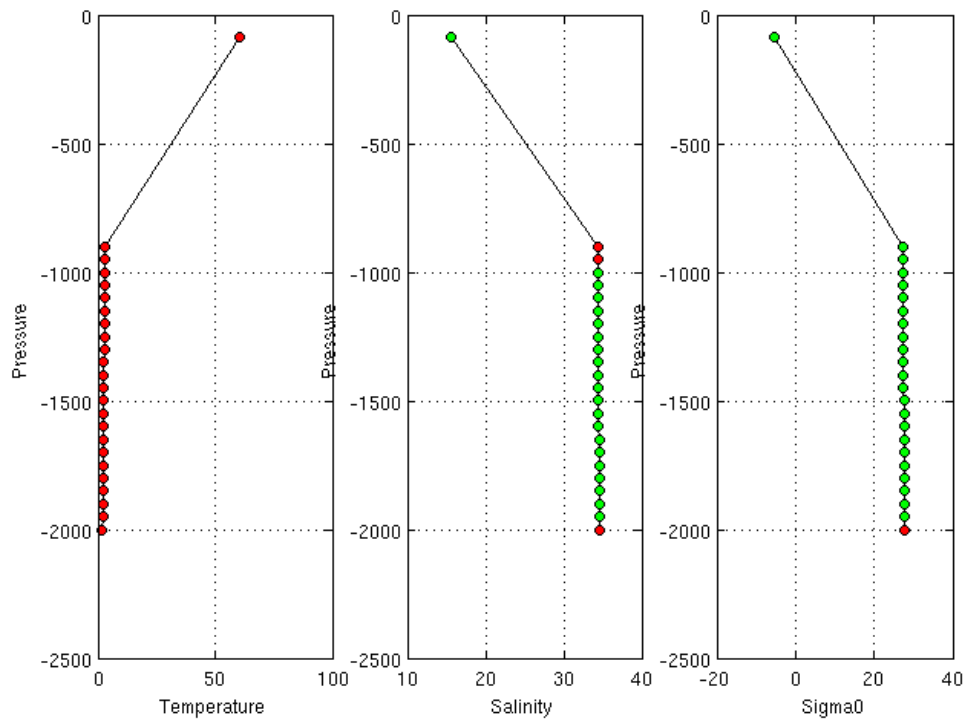
Warning Objective Analysis Anomalies 2014 February TEMP PSAL - DAC ME



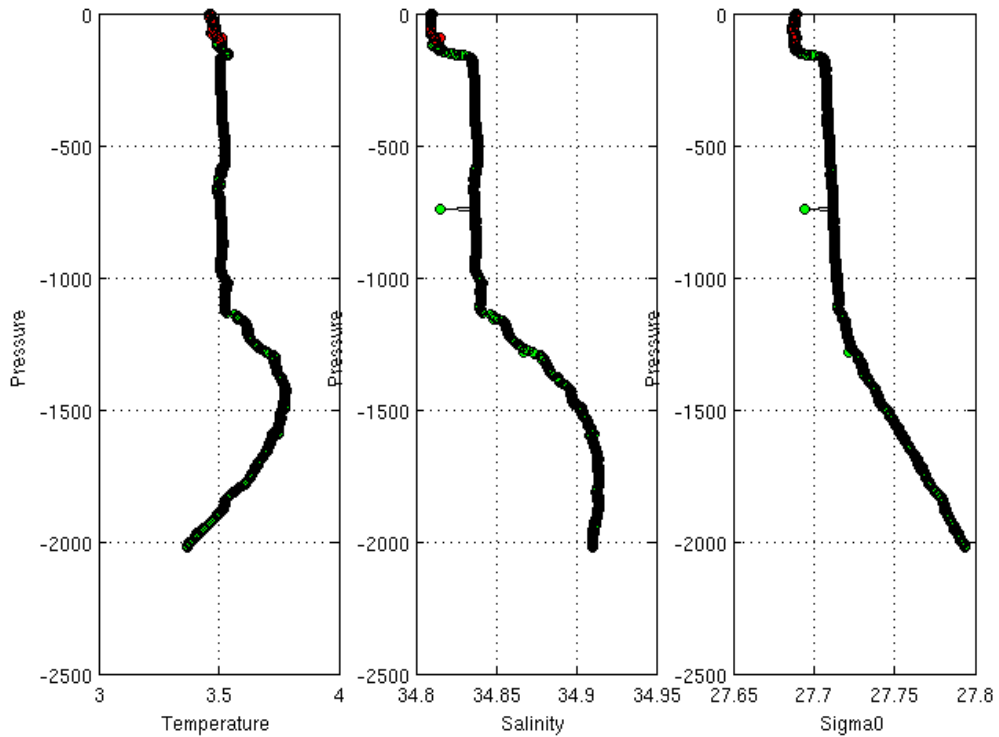
DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
ME,4901136,132,09/02/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32321822> ,PSAL,83.5,83.5,1,4
ME,4901162,101,10/02/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32334769> ,TEMP,1946.2,1946.2,1,4
ME,4901753,28,19/02/2014 00:00:00,A,<http://www.ifremer.fr/WC2argoFloats/station?&stationId=32418389> ,PSAL,740,740,1,4

Example of anomalies:

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



Warning Objective Analysis Anomalies 2014 February TEMP PSAL : DAC ME- Float 4901753-28



10. DAC NMDIS

Profiles detected by the objective analysis: 0

Status of corrections:

Example of anomalies:

11. Delayed Mode Anomalies

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

11.1. BODC – problem n°1

ADJUSTED pressure exists but not the others parameters (still in progress)

Ifremer. : The old files (before 2013) are not updated.

Justin B. : 09/18/2013 That will happen either when we resubmit data when we do new formats work or when the floats are processed in delayed mode (both are on-going).

R1900677_215, R1900677_224, R1900679_207, R1900679_206, R6900656_094,...

And all files in real time with adjusted parameters

netcdf R1900677_215 {

DATE_CREATION = "20120110210843" ;

DATE_UPDATE = "20120110210843" ;

DATA_MODE = "A" ;

PRES_ADJUSTED = 4.5, 9.2, 14.3, 19.0, 23.9, 29.1, 33.9, 39.2, 48.9, 59.4, 69.3, 79.4, 89.2, 98.8, 108.8, 119.1, 128.7, 138.8, 149.1, 159.0, 169.2, 178.5, 188.6, 198.8, 219.3, 239.3, 259.1, 279.3, 299.2, 328.8, 358.7, 399.0, 449.3, 498.8, 549.1, 598.8, 649.1, 699.3, 749.1, 798.8, 849.1, 899.2, 948.4, 998.8, 1004.1 ;

PSAL_ADJUSTED = _ _ _ _ _ ;

TEMP_ADJUSTED = _ _ _ _ _ ;

}

BODC – problem n°2

Bad QC reported on PRES_ADJUSTED (negative values)

netcdf D6900198_003 {

PRES =

-99.0, -99.0, -99.0, -99.0, 2.0, 25.0, ,

PRES_QC =

"444114....."

PRES_ADJUSTED =

_ _ _ -99.0, 2.0,

PRES_ADJUSTED_QC =

"444114....."

11.2. CSIO

Adjusted value in real time files ok but <param>_adjusted_ERROR still empty for PRES, TEMP and PSAL

netcdf R5901605_246 {

```

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 =
  _____;

```

11.3. CSIO

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, .....
}

```

11.4. 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 =
"
"
```

11.5. NMDIS

DM files - data_state_indicator="2C" but data_mode="R" and R*.nc

For floats : 2901615 – 2901631 - 2901632

2901632 : all cycles with data_state_indicator="2C" – DM files but still R***.nc and data_mode='R'

```

netcdf R2901632_056 {
DATA_STATE_INDICATOR = "2C " ;
DATA_MODE = "R" ;
PRES_ADJUSTED =
    0.0,  5.0,  16.0,  26.0,  36.0,  46.0,  56.0,
PSAL_ADJUSTED =
    34.687,  34.694,  34.684,  34.670,  34.664,  34.657,  34.658,
TEMP_ADJUSTED =
    18.364,  18.379,  18.277,  18.115,  18.069,  18.007,  17.965,
SCIENTIFIC_CALIB_COMMENT =
    "Calibration error is manufacturers specified PRES accuracy at time of lab calibration",
    "Calibration error is manufacturers specified TEMP accuracy at time of lab calibration",
    "No salinity adjustment needed according to OW1.1. Ref. Data are CTD_for_DMQC_2013V01+ARGO_for_DMQC_2013V01";

```

Changes to do :

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

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

12. Statistics

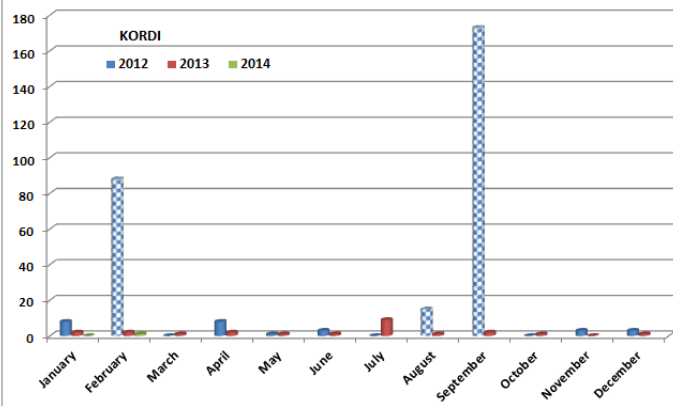
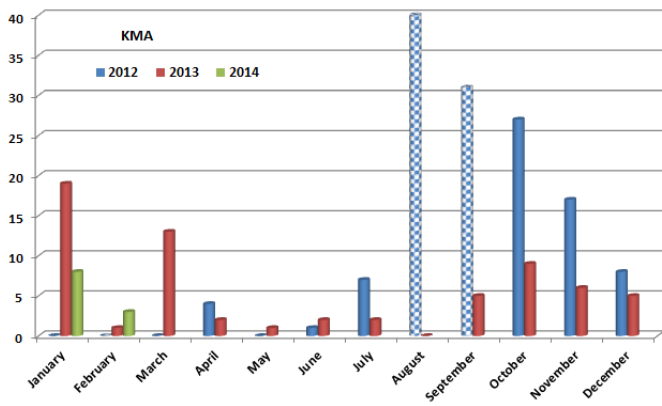
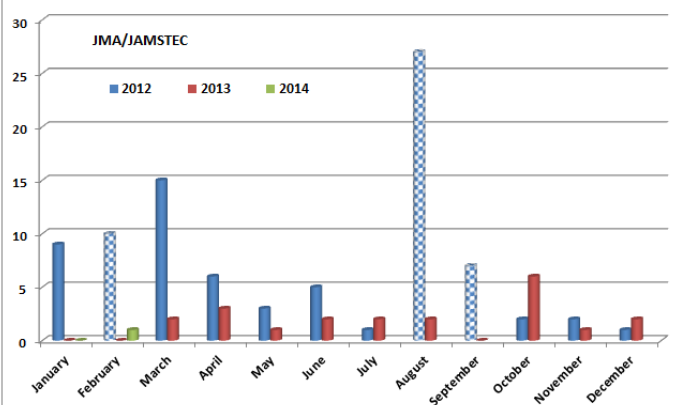
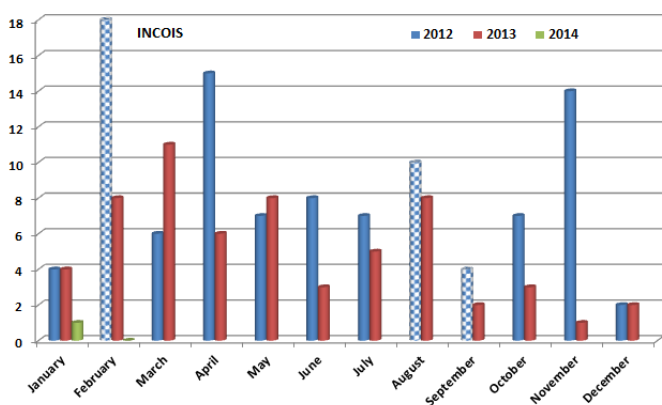
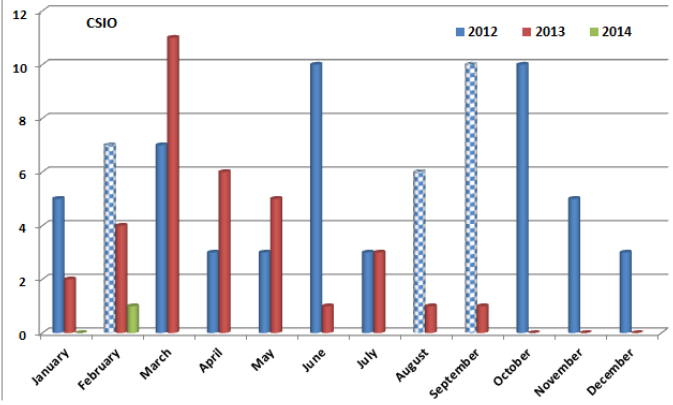
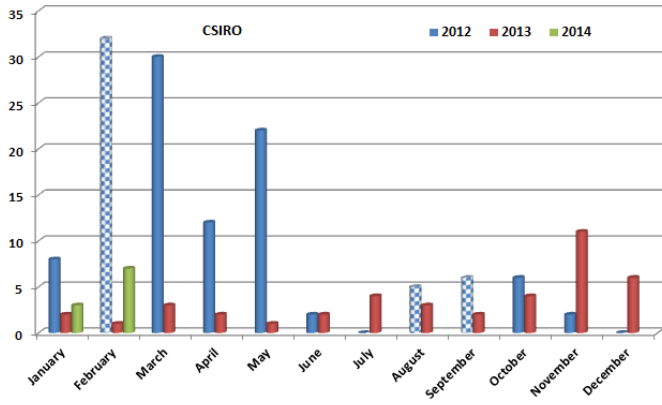
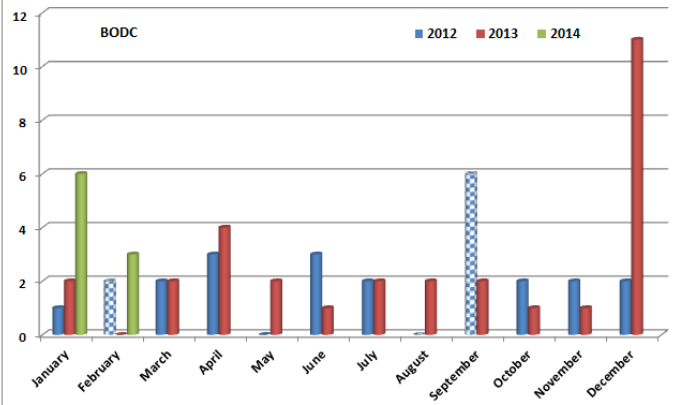
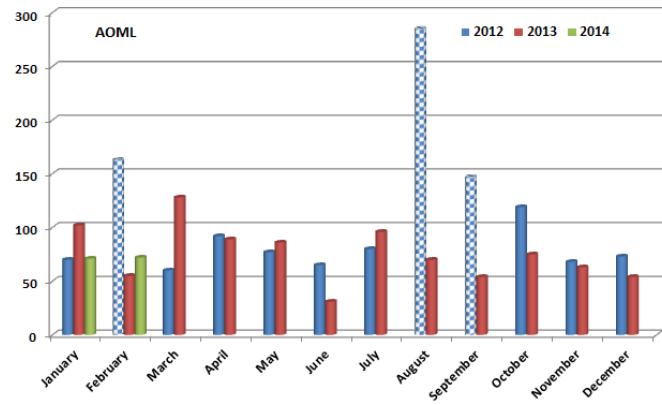
Plots showing evolution of number of anomalies by DAC.

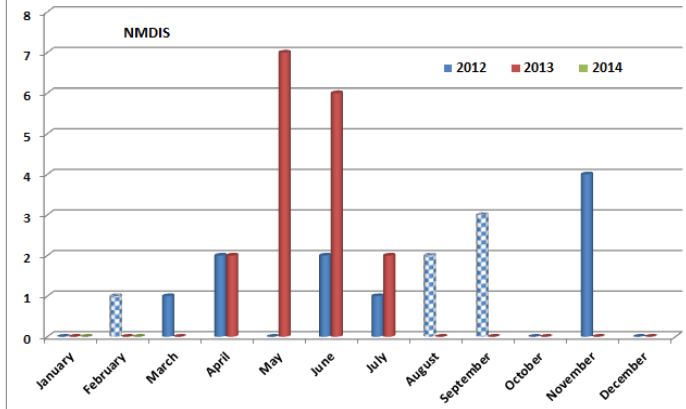
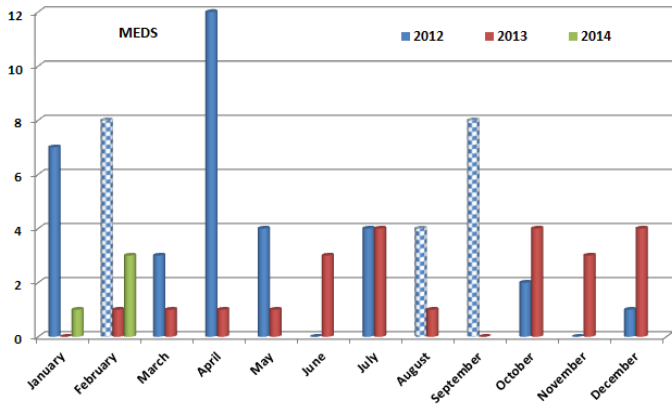
12.1. Year



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

12.2. DAC





12.3. Anomalies by year, by month

