



Anomalies on Argo profiles

From warning objective analysis, netcdf file analysis

December 2015

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Coriolis

Anomalies by DAC

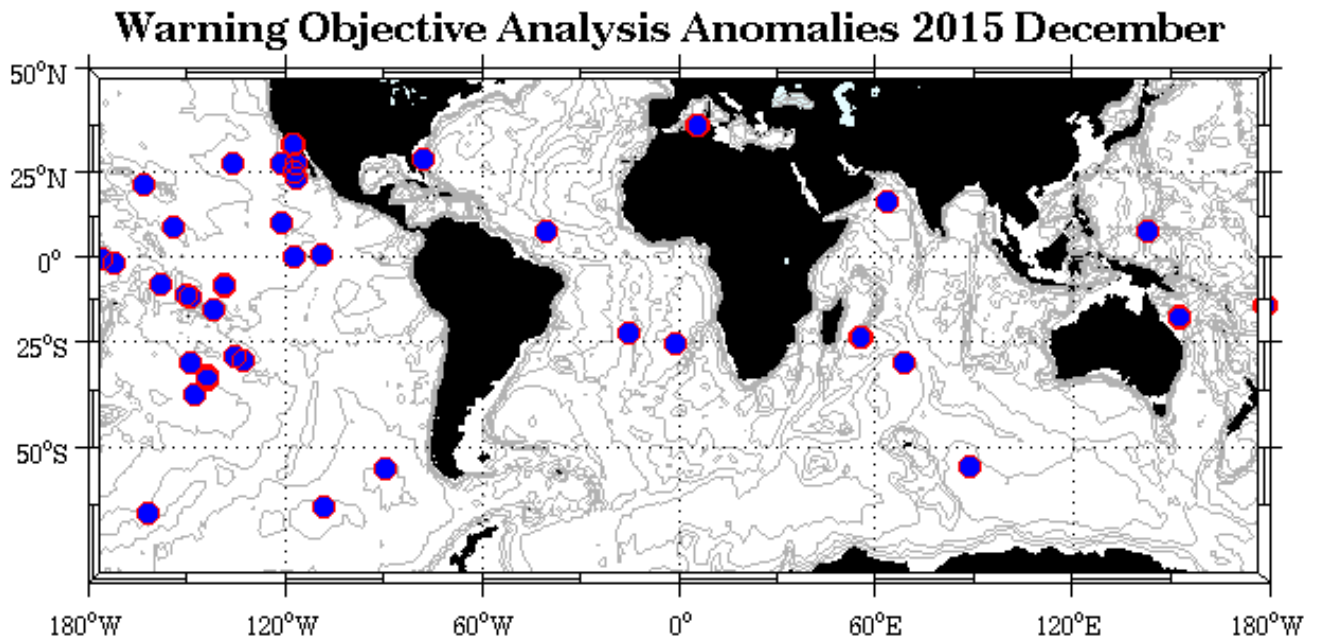
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1. DAC AOML

Profiles detected by the objective analysis: 65

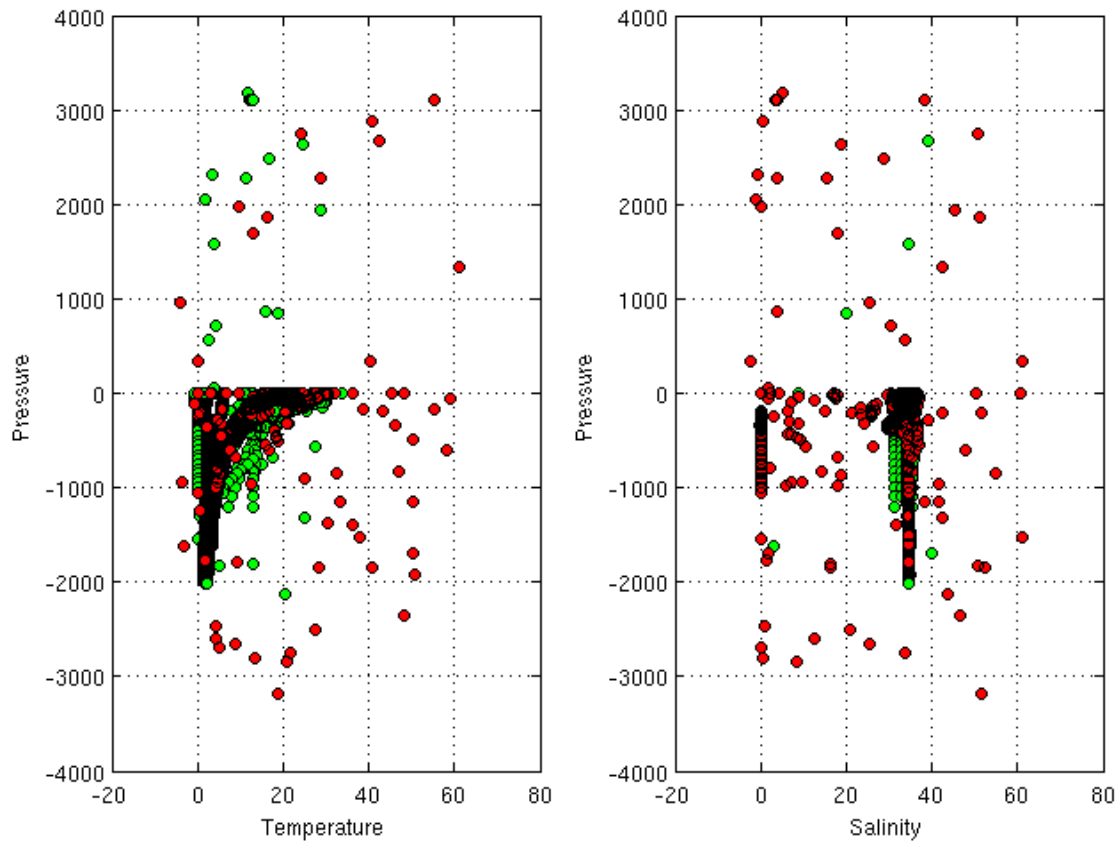


Status of corrections: Done for few profiles – still a lot of bad QC no corrected
In blue: floats with multipfiles.

- Float : 1900998 - Cycle : 220 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2015 12 13
- Float : 1901002 - Cycle : 217 - PI : MAURICIO M. MATA - Data mode : R - INST REF : - Date : 2015 11 19
- Float : 1901372 - Cycle : 240 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2015 11 28
- Float : 1901504 - Cycle : 169 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2015 12 12
- Float : 1901584 - Cycle : 134 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2015 11 11
- Float : 2901466 - Cycle : 152 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2015 11 27
- Float : 3900844 - Cycle : 284 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2015 11 5
- Float : 3900844 - Cycle : 287 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2015 12 5
- Float : 3901034 - Cycle : 140 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2015 12 11
- Float : 3901211 - Cycle : 21 - PI : DEAN ROEMMICH - Data mode : R - INST REF : - Date : 2015 11 13
- Float : 4901670 - Cycle : 255 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2015 12 2
- Float : 4901670 - Cycle : 258 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2015 12 8
- Float : 4901671 - Cycle : 257 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2015 12 8
- Float : 4901672 - Cycle : 251 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2015 11 27
- Float : 4902092 - Cycle : 105 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2015 11 6
- Float : 4902092 - Cycle : 106 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2015 11 8
- Float : 4902092 - Cycle : 107 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2015 11 10
- Float : 4902092 - Cycle : 108 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2015 11 12
- Float : 4902092 - Cycle : 112 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2015 11 20
- Float : 4902092 - Cycle : 120 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2015 12 6
- Float : 4902092 - Cycle : 123 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2015 12 12
- Float : 4902092 - Cycle : 124 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2015 12 14
- Float : 4902093 - Cycle : 122 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2015 12 10
- Float : 4902093 - Cycle : 124 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2015 12 14
- Float : 4902293 - Cycle : 10 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2015 11 4
- Float : 4902293 - Cycle : 14 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2015 11 12
- Float : 4902293 - Cycle : 22 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2015 11 28
- Float : 4902293 - Cycle : 24 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2015 12 2
- Float : 4902293 - Cycle : 25 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2015 12 4
- Float : 5901012 - Cycle : 353 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2015 11 4
- Float : 5901012 - Cycle : 356 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2015 12 6
- Float : 5901884 - Cycle : 247 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2015 11 28
- Float : 5901884 - Cycle : 248 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2015 12 9
- Float : 5901895 - Cycle : 255 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2015 11 4
- Float : 5902072 - Cycle : 254 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2015 11 14
- Float : 5902072 - Cycle : 257 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2015 12 14
- Float : 5903598 - Cycle : 148 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 5651 - Date : 2015 12 4
- Float : 5903976 - Cycle : 108 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 5848 - Date : 2015 11 30
- Float : 5903977 - Cycle : 110 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6118 - Date : 2015 12 14

Float : 5903979 - Cycle : 109 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 5850 - Date : 2015 12 9
 Float : 5903984 - Cycle : 108 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6222 - Date : 2015 11 21
 Float : 5903985 - Cycle : 106 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6223 - Date : 2015 11 10
 Float : 5903985 - Cycle : 107 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6223 - Date : 2015 11 20
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 Float : 5903985 - Cycle : 109 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6223 - Date : 2015 12 11
 Float : 5904102 - Cycle : 145 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2015 12 11
 Float : 5904314 - Cycle : 199 - PI : DAN RUDNICK - Data mode : R - INST REF : - Date : 2015 11 28
 Float : 5904325 - Cycle : 196 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2015 11 29
 Float : 5904398 - Cycle : 48 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6122 - Date : 2015 12 5
 Float : 5904401 - Cycle : 45 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6930 - Date : 2015 11 3
 Float : 5904405 - Cycle : 48 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6934 - Date : 2015 11 6
 Float : 5904405 - Cycle : 51 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6934 - Date : 2015 12 7
 Float : 5904407 - Cycle : 52 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6936 - Date : 2015 12 12
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 Float : 5904517 - Cycle : 91 - PI : DEAN ROEMMICH - Data mode : R - INST REF : - Date : 2015 11 6
 Float : 6900320 - Cycle : 149 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2015 12 2
 Float : 6900320 - Cycle : 150 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2015 12 6
 Float : 6900320 - Cycle : 151 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2015 12 10
 Float : 6900320 - Cycle : 152 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2015 12 14
 Float : 7900661 - Cycle : 22 - PI : DEAN ROEMMICH - Data mode : R - INST REF : - Date : 2015 11 21

Warning Objective Analysis Anomalies 2015 December TEMP PSAL - DAC AO



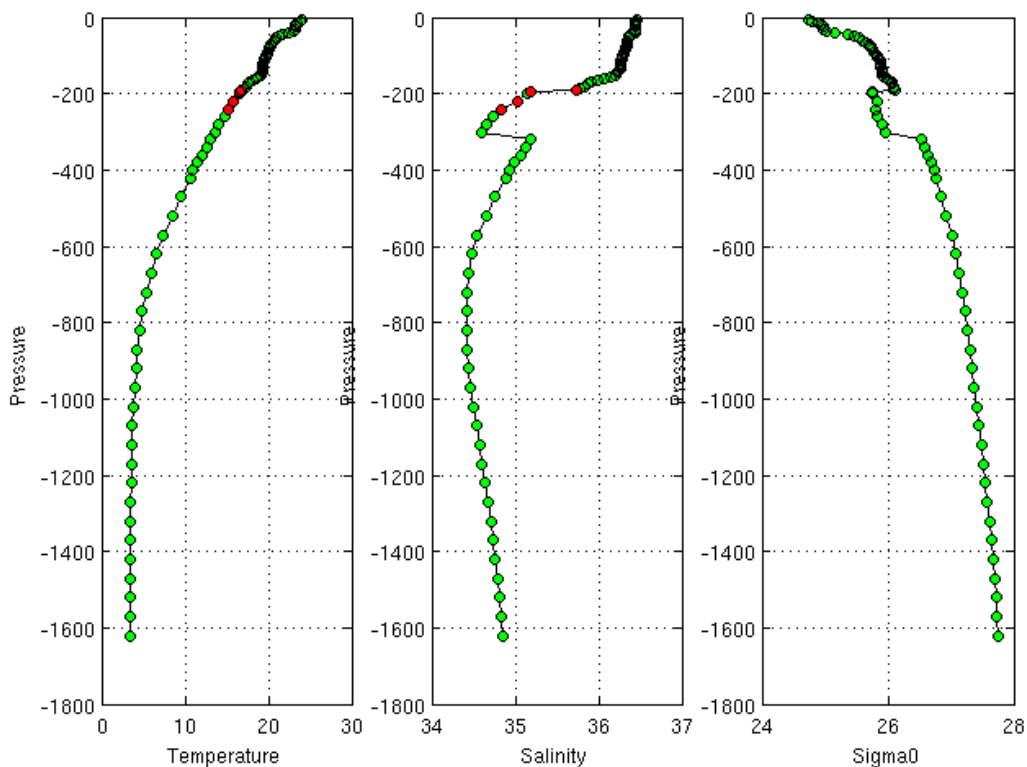
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 AO,1901002,217,23/11/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=42297763>,PSAL,805,810,1,4
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 AO,2901466,152,27/11/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=42333639>,PSAL,109.9,120.6,1,4
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 AO,3900844,284,05/11/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=42163284>,TEMP,1315.8,1315.8,1,4
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 AO,5904456,41,14/12/2015 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=42513529 ,TEMP,1240.7,1349.6,1,4
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 AO,5904498,98,28/11/2015 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=42346895 ,PSAL,236,240,1,4
 AO,5904517,91,06/11/2015 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=42165399 ,PSAL,1.12,1.12,1,4
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 AO,6900320,150,07/12/2015 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=42417163 ,PSAL,4.9,1200.2,1,3
 AO,6900320,151,11/12/2015 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=42495215 ,PSAL,5.6,1099.4,1,3
 AO,6900320,152,15/12/2015 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=42516445 ,PSAL,5.3,1198.3,1,3
 AO,7900661,22,21/11/2015 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=42292520 ,PSAL,1.16,1.16,1,4

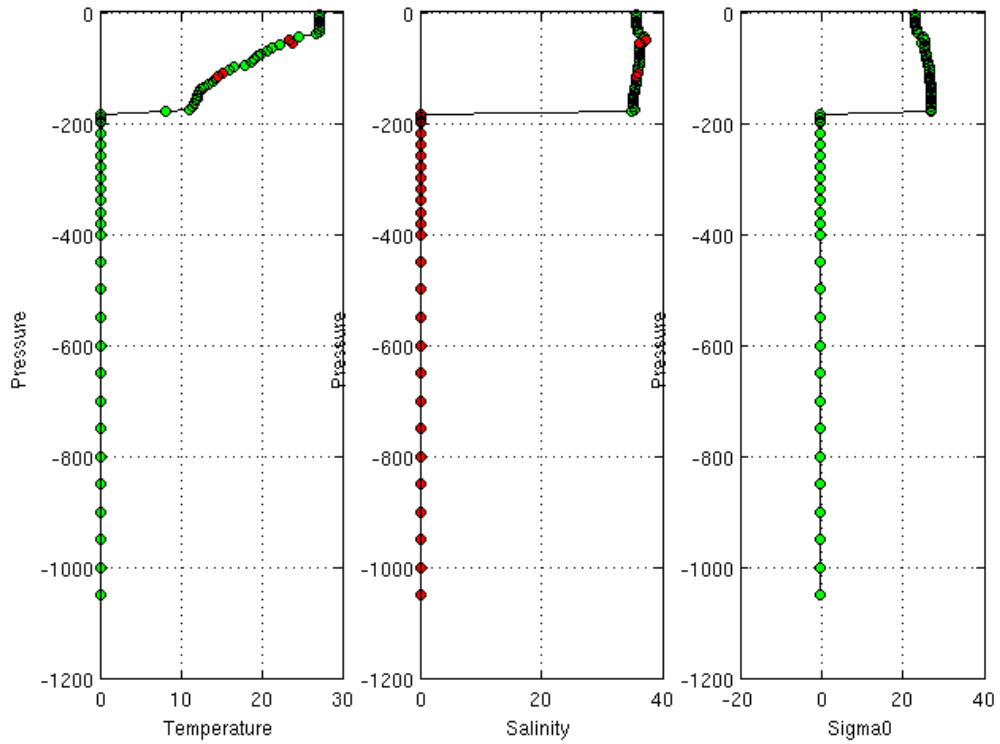
APEX to put on the grey list:

Example of corrections:

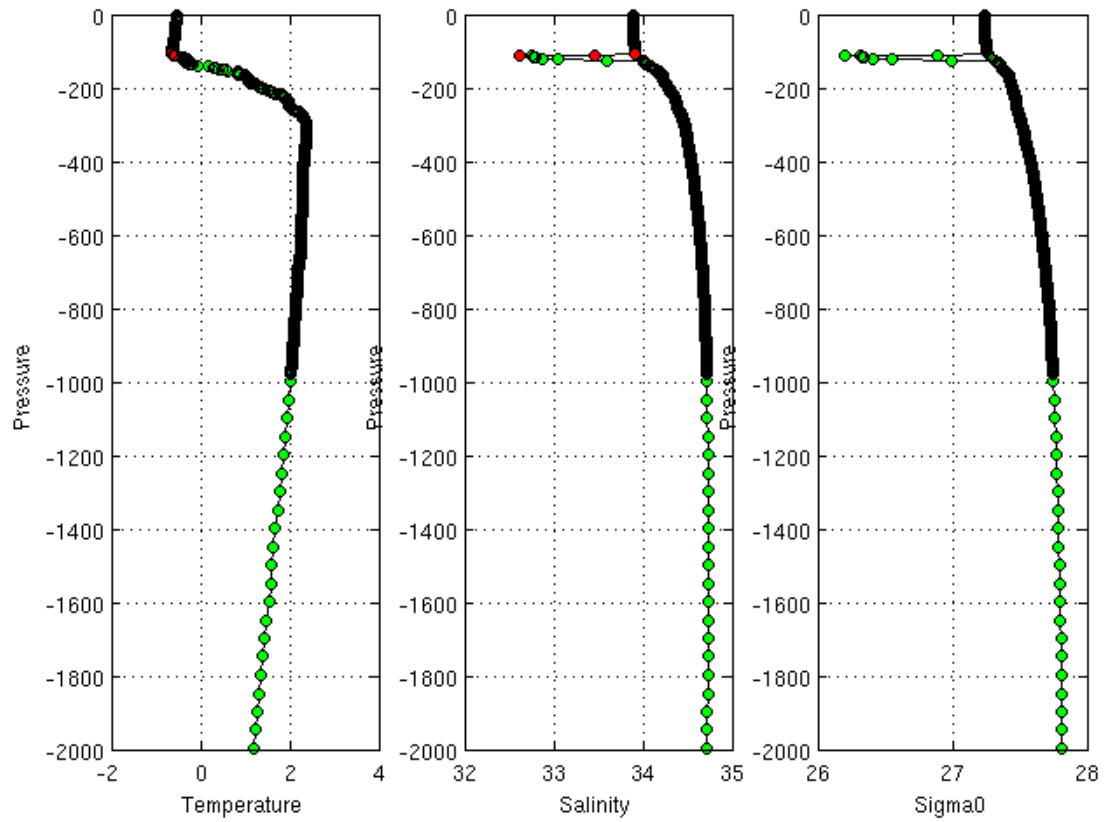
Warning Objective Analysis Anomalies 2015 December TEMP PSAL : DAC AO- Float 1900998-220



Warning Objective Analysis Anomalies 2015 December TEMP PSAL : DAC AO- Float 1901504-169

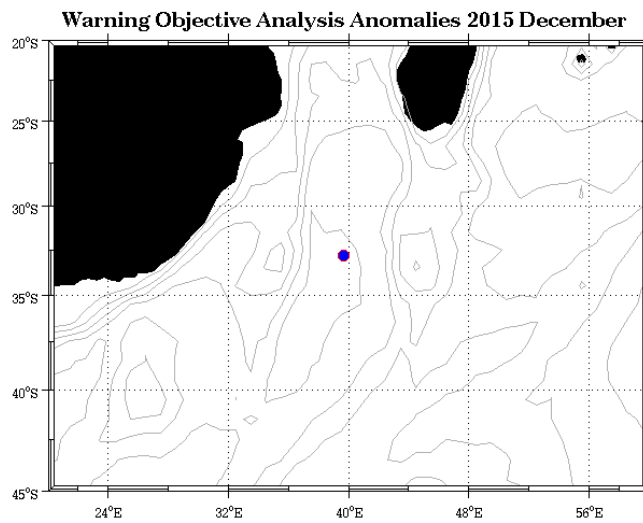


Warning Objective Analysis Anomalies 2015 December TEMP PSAL : DAC AO- Float 5904102-145



2. DAC BODC

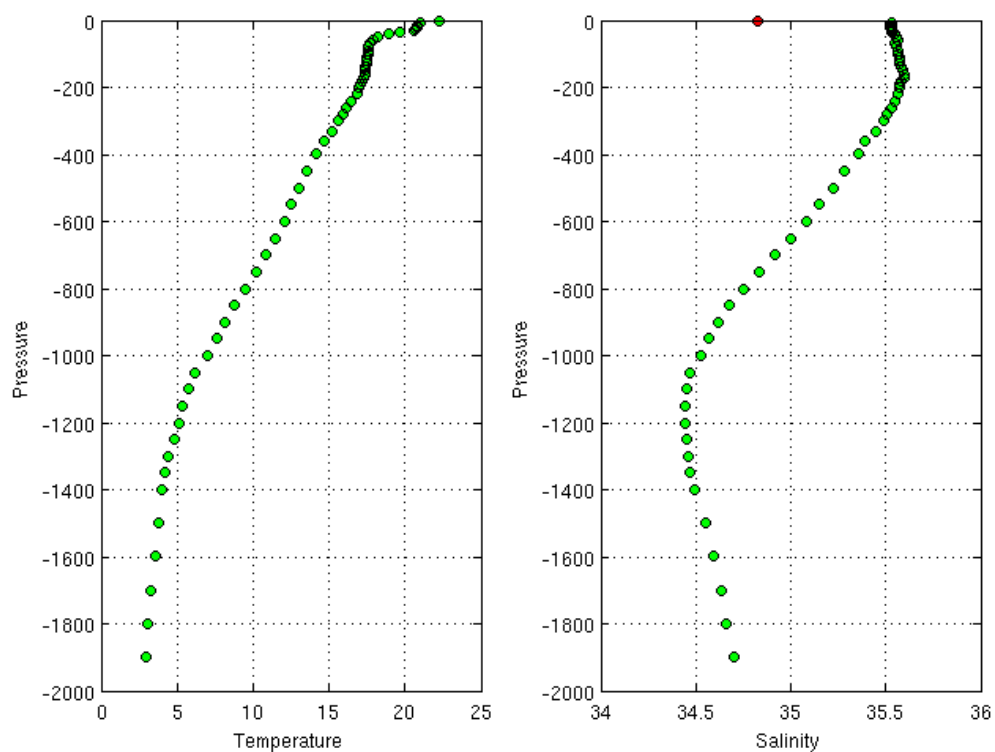
Profiles detected by the objective analysis: 1



Status of corrections: Correction done

Float : 1901847 - Cycle : 57 - PI : Jon Turton - Data mode : A - INST REF : APEX-SBE 7003 - Date : 2015 12 14

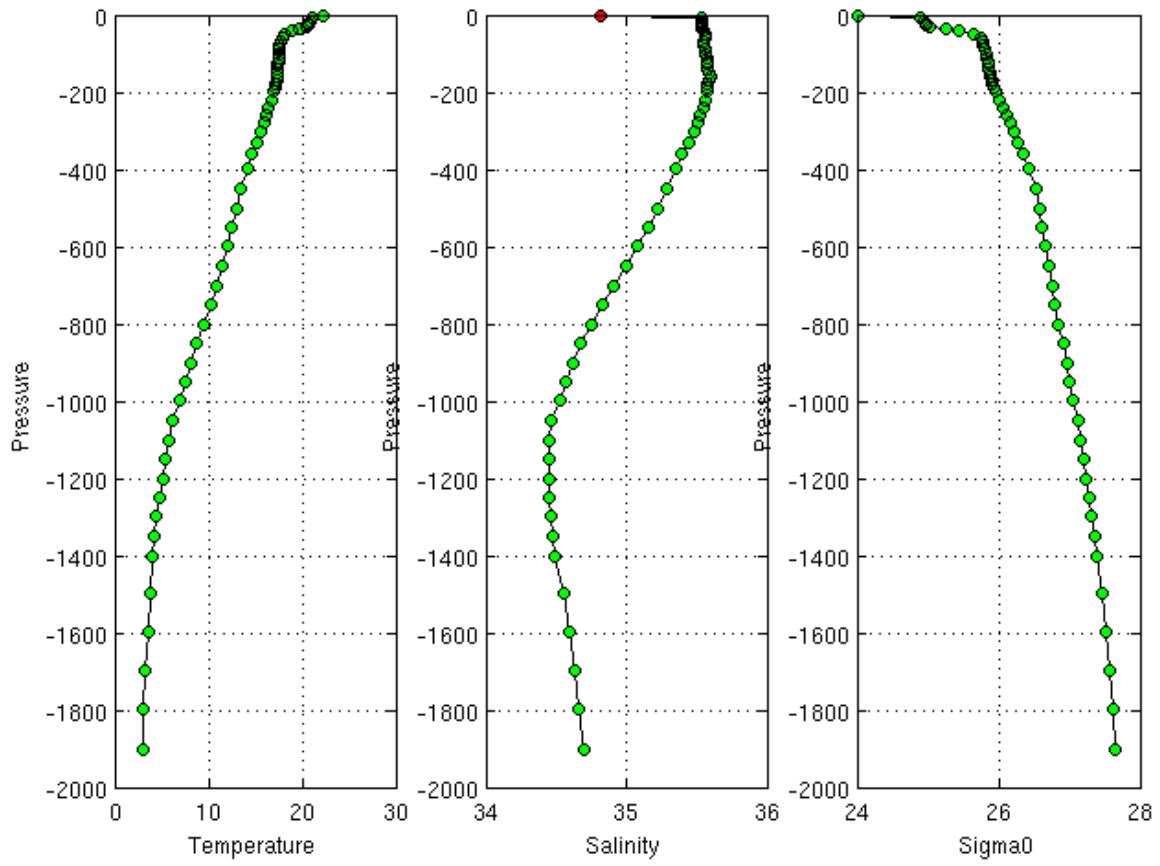
Warning Objective Analysis Anomalies 2015 December TEMP PSAL - DAC BO



DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
BO,1901847,57,14/12/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=42513607>,PSAL,4.3,4.3,1,4

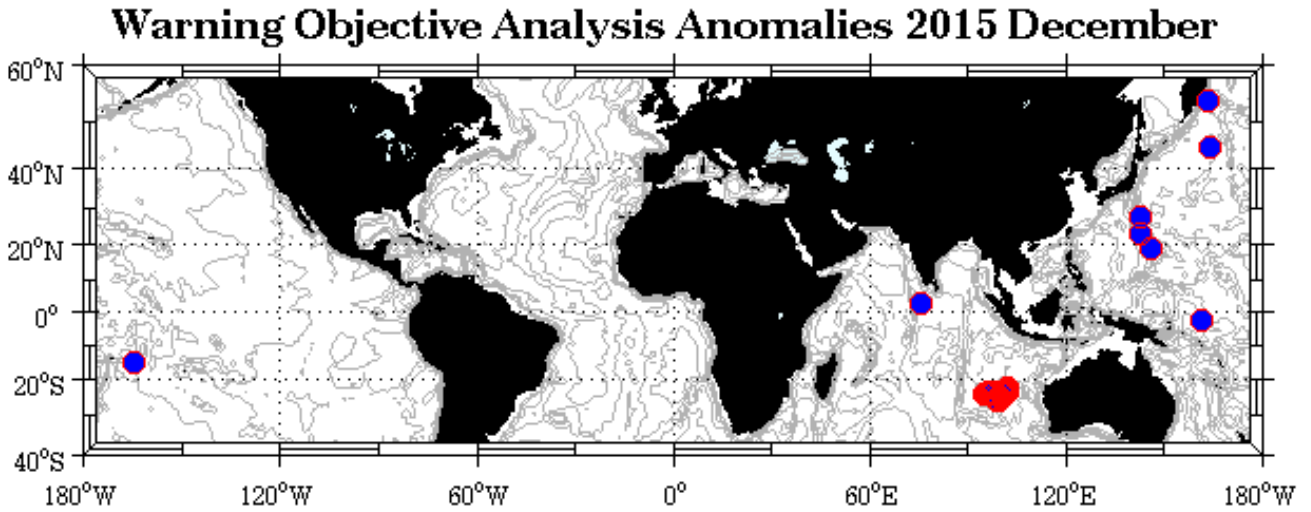
Example of corrections:

Warning Objective Analysis Anomalies 2015 December TEMP PSAL : DAC BO- Float 1901847-57



3. DAC CSIO

Profiles detected by the objective analysis: 34

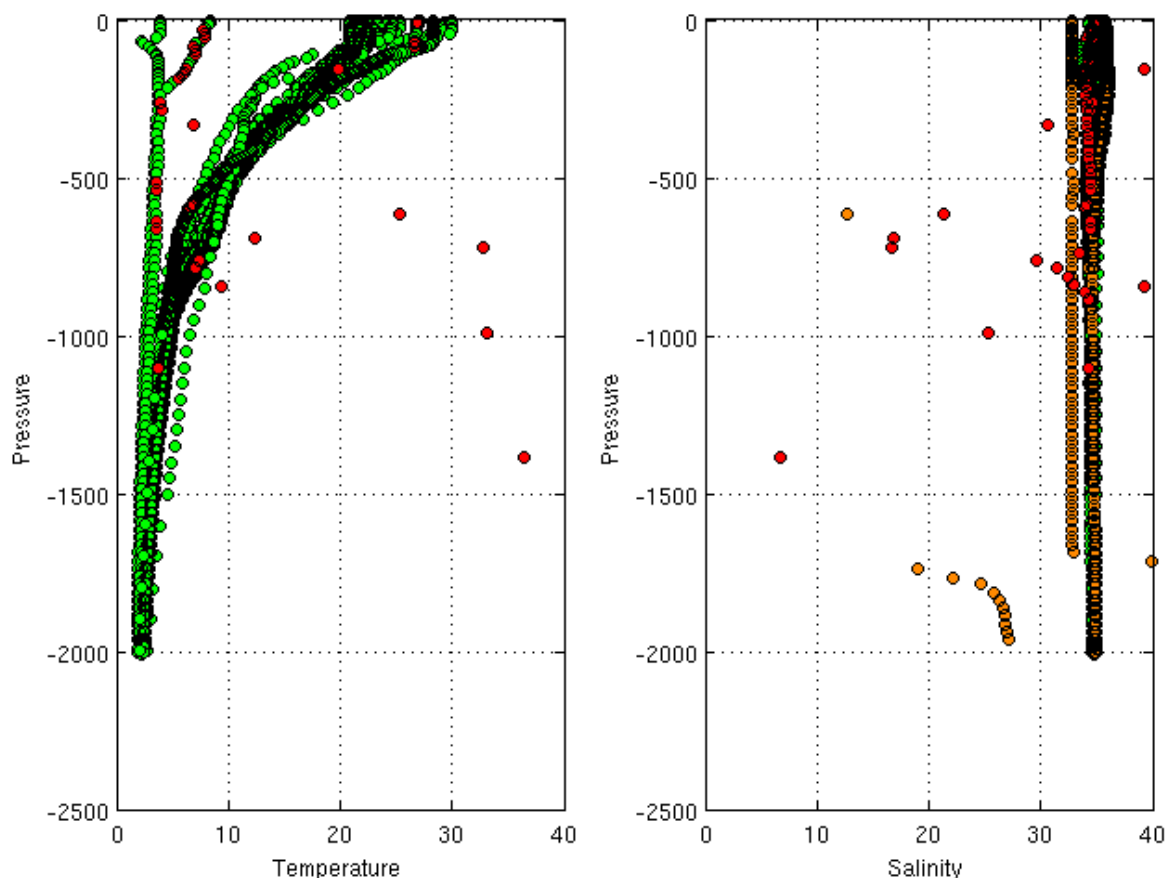


Status of corrections: Correction done for some profiles

In blue: floats with multiprofiles.

Float : 2901491 - Cycle : 121 - PI : JIANPING XU - Data mode : A - INST REF : - Date : 2015 12 12
Float : 2901513 - Cycle : 150 - PI : JIANPING XU - Data mode : A - INST REF : - Date : 2015 12 12
Float : 2901544 - Cycle : 129 - PI : JIANPING XU - Data mode : A - INST REF : - Date : 2015 11 28
Float : 2901572 - Cycle : 64 - PI : JIANPING XU - Data mode : A - INST REF : - Date : 2015 12 14
Float : 2902544 - Cycle : 92 - PI : ZENGHONG LIU - Data mode : A - INST REF : - Date : 2014 9 7
Float : 2902547 - Cycle : 137 - PI : ZENGHONG LIU - Data mode : A - INST REF : - Date : 2015 11 27
Float : 2902584 - Cycle : 49 - PI : ZENGHONG LIU - Data mode : A - INST REF : - Date : 2015 11 21
Float : 2902588 - Cycle : 31 - PI : ZENGHONG LIU - Data mode : A - INST REF : - Date : 2015 3 31
Float : 2902588 - Cycle : 32 - PI : ZENGHONG LIU - Data mode : A - INST REF : - Date : 2015 4 10
Float : 2902588 - Cycle : 33 - PI : ZENGHONG LIU - Data mode : A - INST REF : - Date : 2015 4 20
Float : 2902588 - Cycle : 34 - PI : ZENGHONG LIU - Data mode : A - INST REF : - Date : 2015 4 30
Float : 2902588 - Cycle : 35 - PI : ZENGHONG LIU - Data mode : A - INST REF : - Date : 2015 5 10
Float : 2902588 - Cycle : 36 - PI : ZENGHONG LIU - Data mode : A - INST REF : - Date : 2015 5 20
Float : 2902588 - Cycle : 37 - PI : ZENGHONG LIU - Data mode : A - INST REF : - Date : 2015 5 30
Float : 2902588 - Cycle : 38 - PI : ZENGHONG LIU - Data mode : A - INST REF : - Date : 2015 6 9
Float : 2902588 - Cycle : 39 - PI : ZENGHONG LIU - Data mode : A - INST REF : - Date : 2015 6 19
Float : 2902588 - Cycle : 40 - PI : ZENGHONG LIU - Data mode : A - INST REF : - Date : 2015 6 29
Float : 2902588 - Cycle : 41 - PI : ZENGHONG LIU - Data mode : A - INST REF : - Date : 2015 7 9
Float : 2902588 - Cycle : 42 - PI : ZENGHONG LIU - Data mode : A - INST REF : - Date : 2015 7 19
Float : 2902588 - Cycle : 43 - PI : ZENGHONG LIU - Data mode : A - INST REF : - Date : 2015 7 29
Float : 2902588 - Cycle : 44 - PI : ZENGHONG LIU - Data mode : A - INST REF : - Date : 2015 8 8
Float : 2902588 - Cycle : 45 - PI : ZENGHONG LIU - Data mode : A - INST REF : - Date : 2015 8 18
Float : 2902588 - Cycle : 46 - PI : ZENGHONG LIU - Data mode : A - INST REF : - Date : 2015 8 28
Float : 2902588 - Cycle : 47 - PI : ZENGHONG LIU - Data mode : A - INST REF : - Date : 2015 9 7
Float : 2902588 - Cycle : 48 - PI : ZENGHONG LIU - Data mode : A - INST REF : - Date : 2015 9 17
Float : 2902588 - Cycle : 49 - PI : ZENGHONG LIU - Data mode : A - INST REF : - Date : 2015 9 27
Float : 2902588 - Cycle : 50 - PI : ZENGHONG LIU - Data mode : A - INST REF : - Date : 2015 10 7
Float : 2902588 - Cycle : 51 - PI : ZENGHONG LIU - Data mode : A - INST REF : - Date : 2015 10 17
Float : 2902588 - Cycle : 52 - PI : ZENGHONG LIU - Data mode : A - INST REF : - Date : 2015 10 27
Float : 2902588 - Cycle : 53 - PI : ZENGHONG LIU - Data mode : A - INST REF : - Date : 2015 11 6
Float : 2902588 - Cycle : 54 - PI : ZENGHONG LIU - Data mode : A - INST REF : - Date : 2015 11 16
Float : 2902588 - Cycle : 55 - PI : ZENGHONG LIU - Data mode : A - INST REF : - Date : 2015 11 26
Float : 2902588 - Cycle : 56 - PI : ZENGHONG LIU - Data mode : A - INST REF : - Date : 2015 12 6
Float : 2902621 - Cycle : 28 - PI : ZENGHONG LIU - Data mode : A - INST REF : - Date : 2015 6 25

Warning Objective Analysis Anomalies 2015 December 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,2901491,121,12/12/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=42510757> ,PSAL,1715.5,1715.5,1,4

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HZ,2901513,150,12/12/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=42510761> ,TEMP,1511.2,1511.2,1,4

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HZ,2901544,129,29/11/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=42349025> ,PSAL,592,598,1,4

HZ,2901572,64,15/12/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=42537459> ,PSAL,845,845,1,4

HZ,2901572,64,15/12/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=42537459> ,TEMP,845,845,1,4

HZ,2902544,92,23/06/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=35041522> ,PSAL,1,5,1,4

HZ,2902544,92,23/06/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=35041522> ,PSAL,9,55,1,4

HZ,2902544,92,23/06/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=35041522> ,PSAL,95,538,1,4

HZ,2902544,92,23/06/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=35041522> ,PSAL_ADJUSTED,1,5,1,4

HZ,2902544,92,23/06/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=35041522> ,PSAL_ADJUSTED,9,55,1,4

HZ,2902544,92,23/06/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=35041522> ,PSAL_ADJUSTED,95,538,1,4

HZ,2902547,137,28/11/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=42347020> ,PSAL,1713,1962,3,4

HZ,2902547,137,28/11/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=42347020> ,PSAL,463,463,3,4

HZ,2902547,137,28/11/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=42347020> ,PSAL,613,613,3,4

HZ,2902584,49,10/12/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=42297116> ,PSAL,888,888,1,4

HZ,2902588,31,23/06/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=39282990> ,PSAL,1,1962,1,3

HZ,2902588,31,23/06/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=39282990> ,PSAL_ADJUSTED,1,1962,1,3

HZ,2902588,32,23/06/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=39369005> ,PSAL,1,2006,1,3

HZ,2902588,32,23/06/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=39369005> ,PSAL_ADJUSTED,1,2006,1,3

HZ,2902588,33,23/06/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=39469309> ,PSAL,1,1978,1,3

HZ,2902588,33,23/06/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=39469309> ,PSAL_ADJUSTED,1,1978,1,3

HZ,2902588,34,23/06/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=39570788> ,PSAL,1,1976,1,3

HZ,2902588,34,23/06/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=39570788> ,PSAL_ADJUSTED,1,1976,1,3

HZ,2902588,35,23/06/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=39702277> ,PSAL,2,2005,1,3

HZ,2902588,35,23/06/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=39702277> ,PSAL_ADJUSTED,2,2005,1,3

HZ,2902588,36,23/06/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=39823426> ,PSAL,1,1962,1,3

HZ,2902588,36,23/06/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=39823426> ,PSAL_ADJUSTED,1,1962,1,3

HZ,2902588,37,23/06/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=40051054> ,PSAL,1,1963,1,3

HZ,2902588,37,23/06/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=40051054> ,PSAL_ADJUSTED,1,1963,1,3

HZ,2902588,38,23/06/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=40205882> ,PSAL,1,2002,1,3

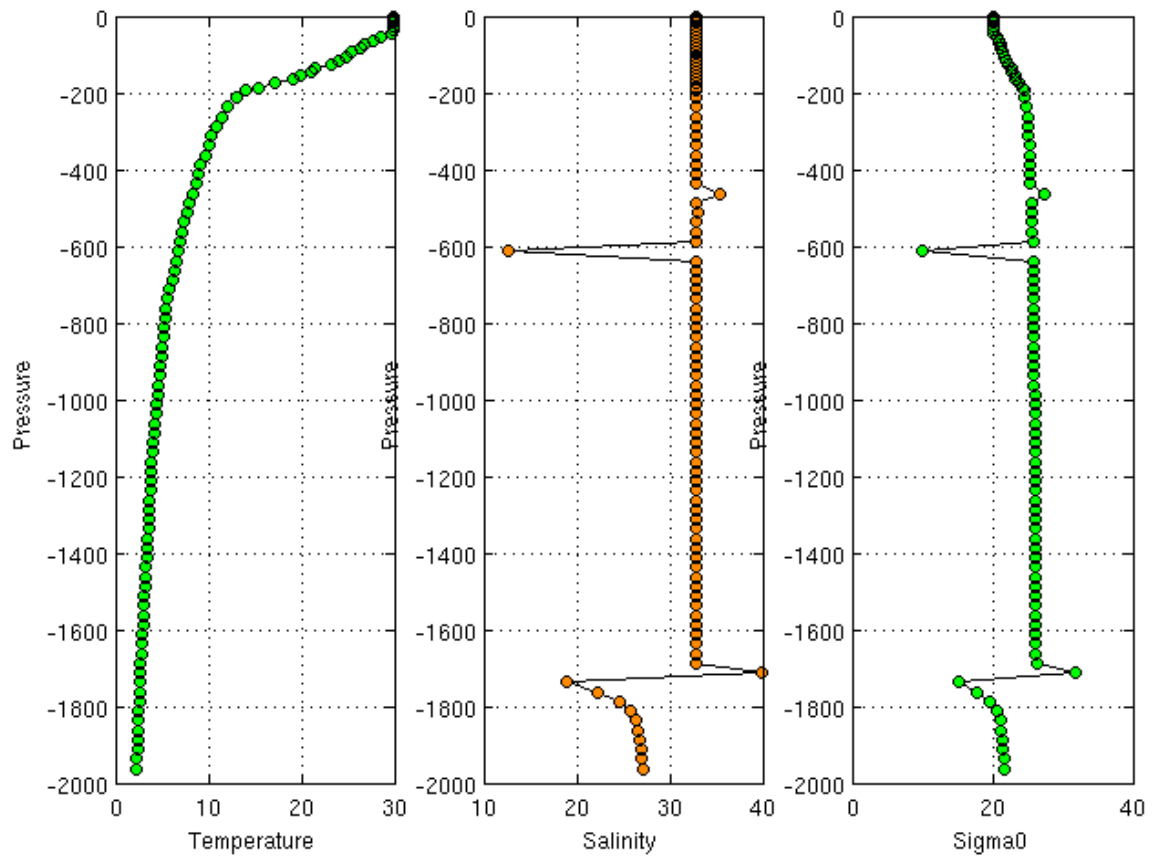
HZ,2902588,38,23/06/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=40205882> ,PSAL_ADJUSTED,1,2002,1,3

HZ,2902588,39,23/06/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=40374679> ,PSAL,1,1962,1,3

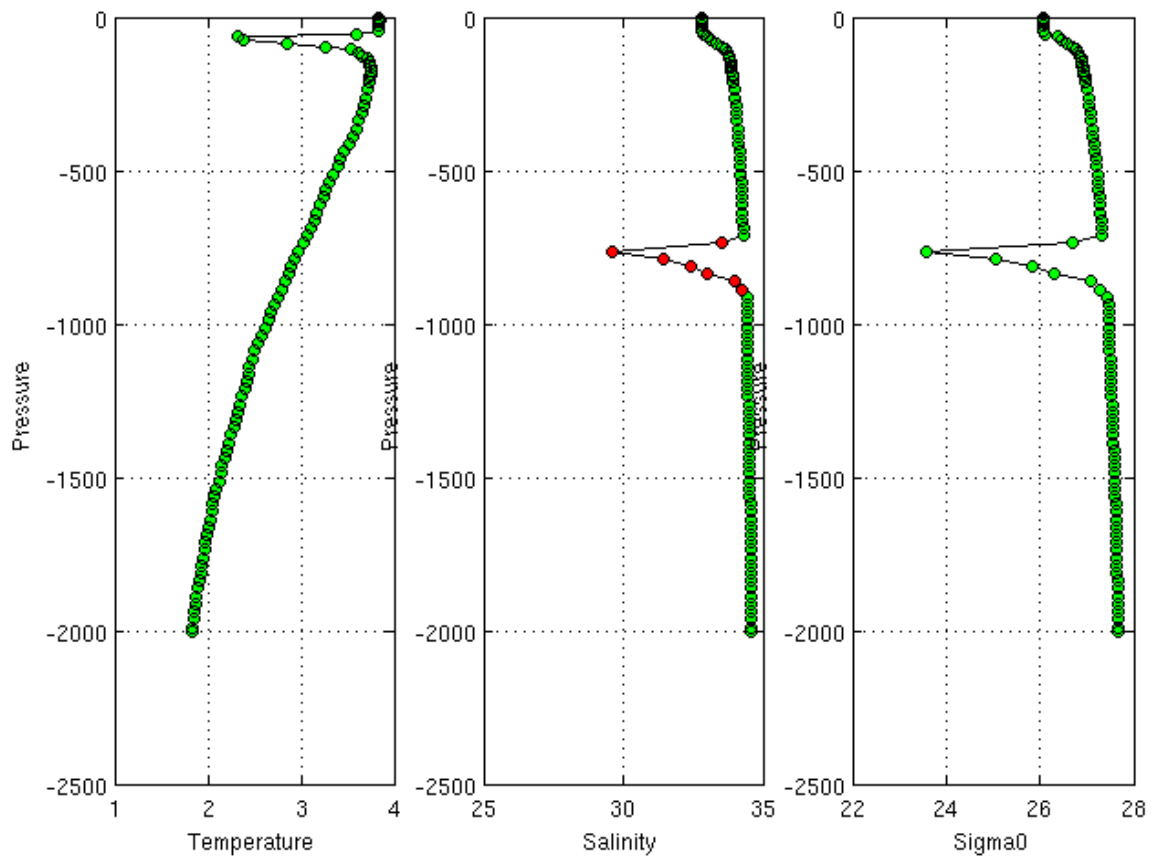
HZ,2902588,39,23/06/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=40374679> ,PSAL_ADJUSTED,1,1962,1,3

HZ,2902588,40,30/06/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=40524857> ,PSAL,1,1980,1,3

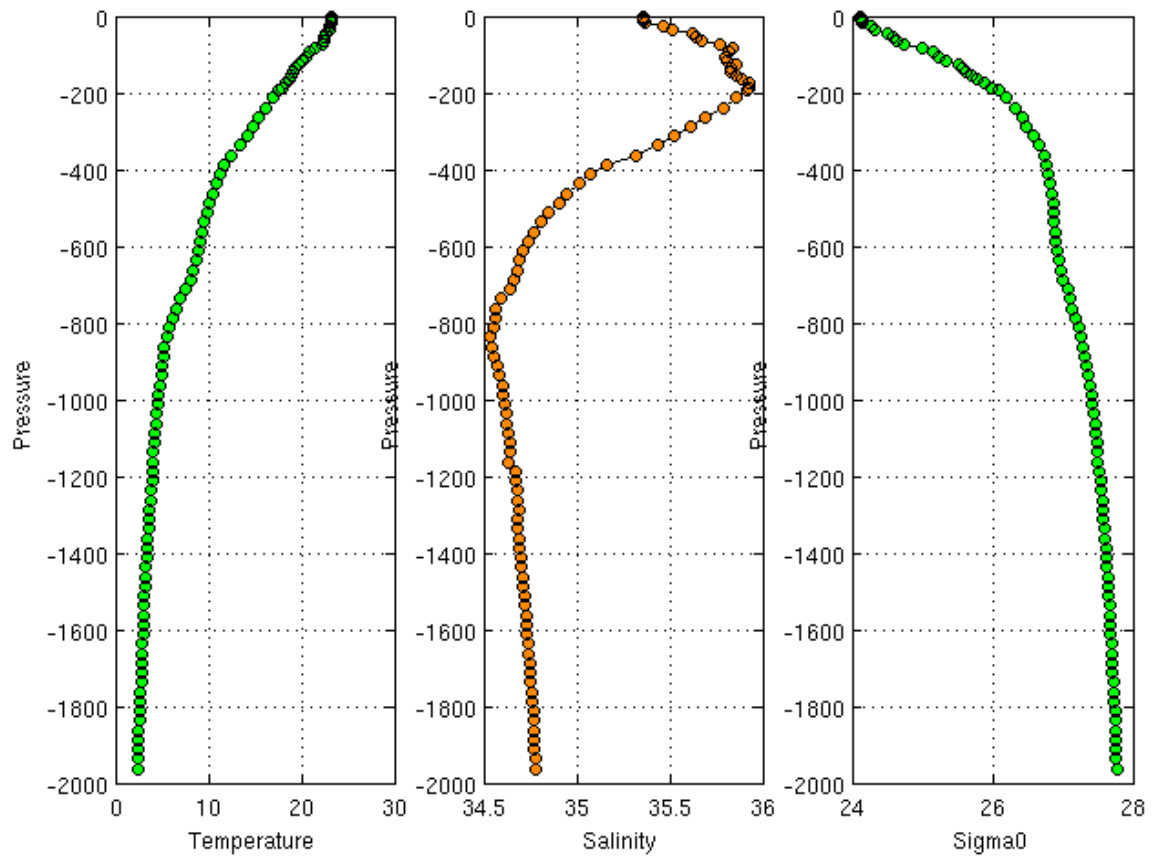
Warning Objective Analysis Anomalies 2015 December TEMP PSAL : DAC HZ- Float 2902547-137



Warning Objective Analysis Anomalies 2015 December TEMP PSAL : DAC HZ- Float 2902584-49

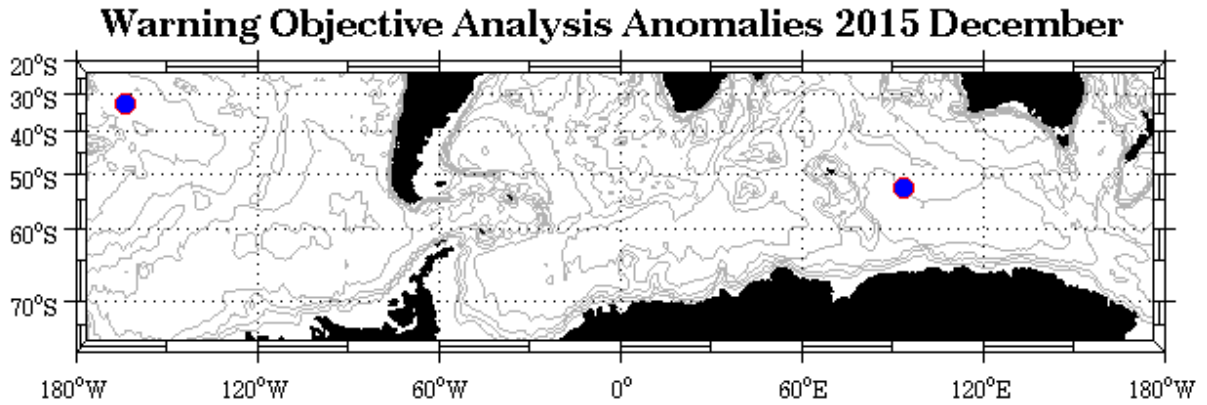


Warning Objective Analysis Anomalies 2015 December TEMP PSAL : DAC HZ- Float 2902588-36



4. DAC CSIRO

Profiles detected by the objective analysis: 2

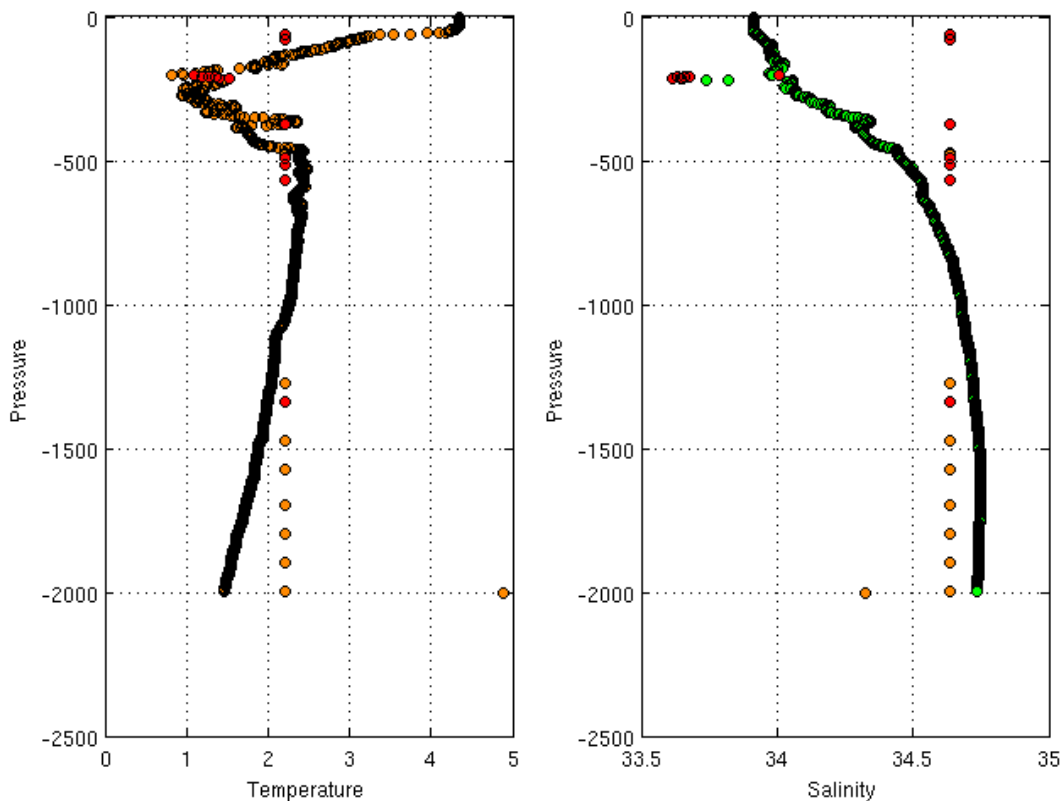


Status of corrections: Correction done with feedback

Float : 5901702 - Cycle : 248 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2015 11 23

Float : 7900328 - Cycle : 146 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2015 12 13

Warning Objective Analysis Anomalies 2015 December TEMP PSAL - DAC CS

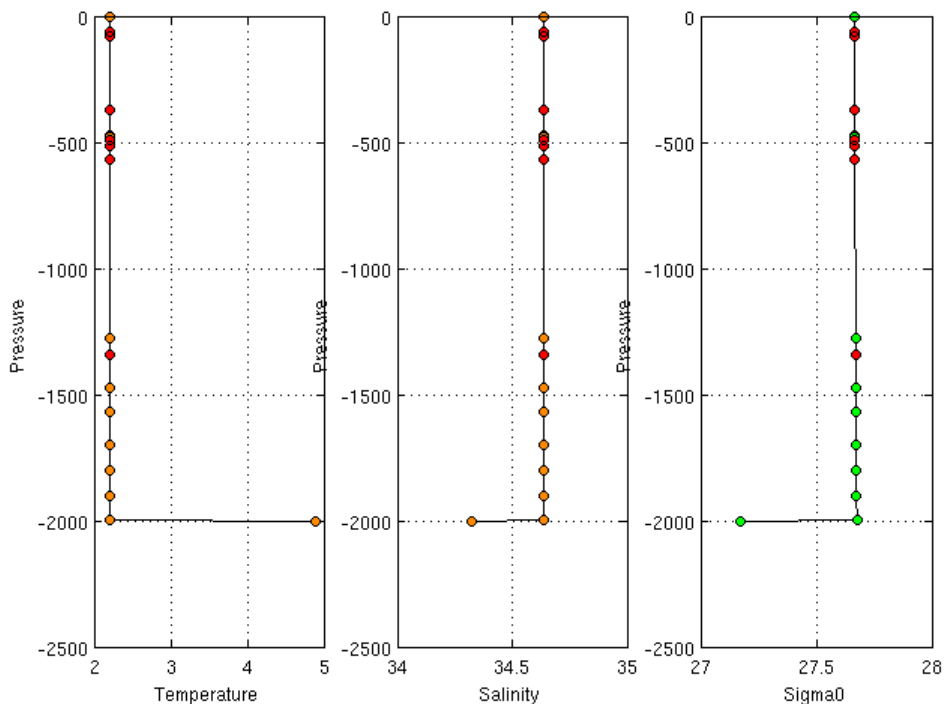


DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
CS,5901702,248,26/11/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=42316083> ,PSAL,0,61,1,4
CS,5901702,248,26/11/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=42316083> ,PSAL,1273.9,1341.1,1,4
CS,5901702,248,26/11/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=42316083> ,PSAL,1474,1899.8,1,4
CS,5901702,248,26/11/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=42316083> ,PSAL,372.8,372.8,1,4
CS,5901702,248,26/11/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=42316083> ,PSAL,474.9,493,1,4
CS,5901702,248,26/11/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=42316083> ,PSAL,512.3,512.3,1,4
CS,5901702,248,26/11/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=42316083> ,PSAL,566.8,566.8,1,4

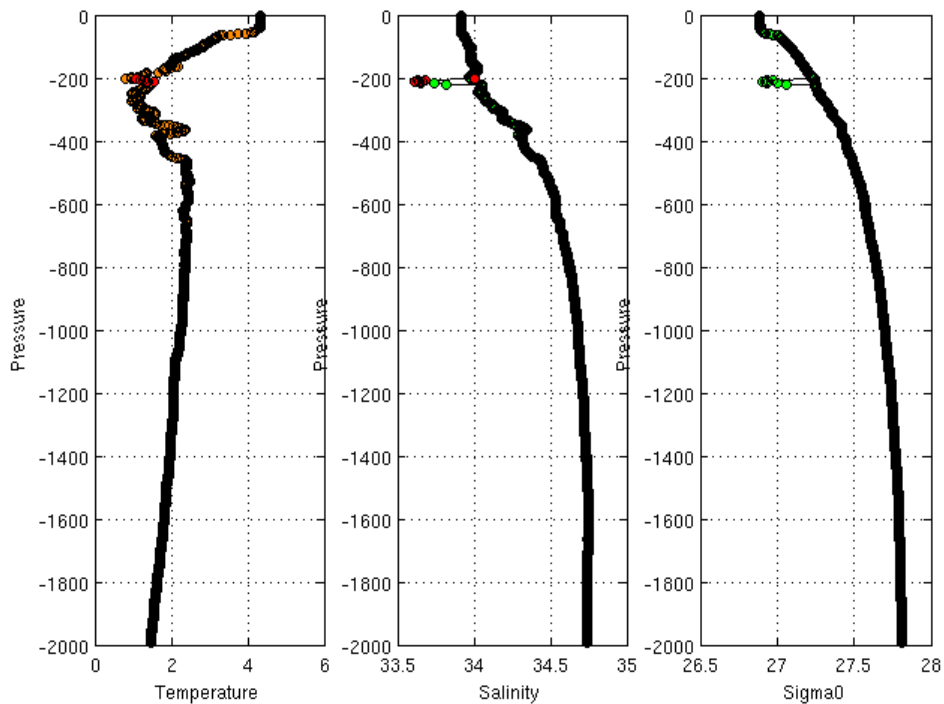
CS,5901702,248,26/11/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=42316083> ,PSAL,80.6,80.6,1,4
 CS,5901702,248,26/11/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=42316083> ,TEMP,0,61,1,4
 CS,5901702,248,26/11/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=42316083> ,TEMP,1273.9,1341.1,1,4
 CS,5901702,248,26/11/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=42316083> ,TEMP,1474,1899.8,1,4
 CS,5901702,248,26/11/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=42316083> ,TEMP,372.8,372.8,1,4
 CS,5901702,248,26/11/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=42316083> ,TEMP,474.9,493,1,4
 CS,5901702,248,26/11/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=42316083> ,TEMP,512.3,512.3,1,4
 CS,5901702,248,26/11/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=42316083> ,TEMP,566.8,566.8,1,4
 CS,5901702,248,26/11/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=42316083> ,TEMP,80.6,80.6,1,4
 CS,7900328,146,14/12/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=42511305> ,PSAL,216,220,1,4

Example of corrections:

Warning Objective Analysis Anomalies 2015 December TEMP PSAL : DAC CS- Float 5901702-248



Warning Objective Analysis Anomalies 2015 December TEMP PSAL : DAC CS- Float 7900328-146



5. DAC INCOIS

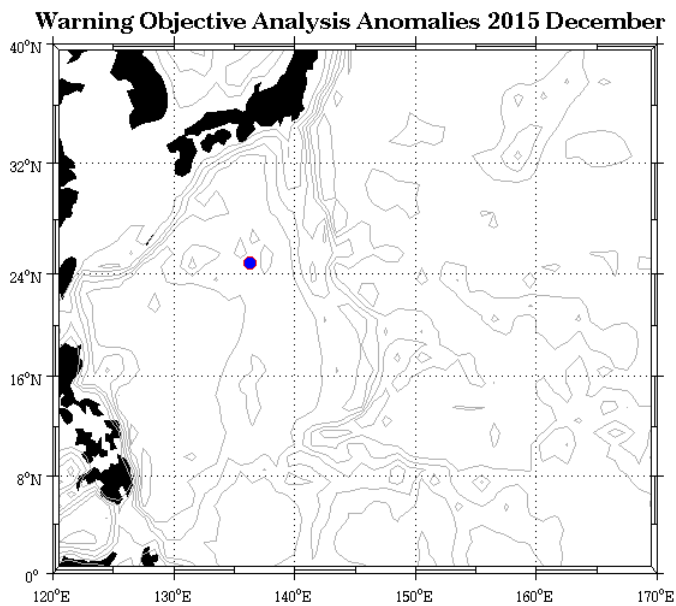
Profiles detected by the objective analysis: 0

Status of corrections:

Example of corrections:

6. DAC JMA/JAMSTEC

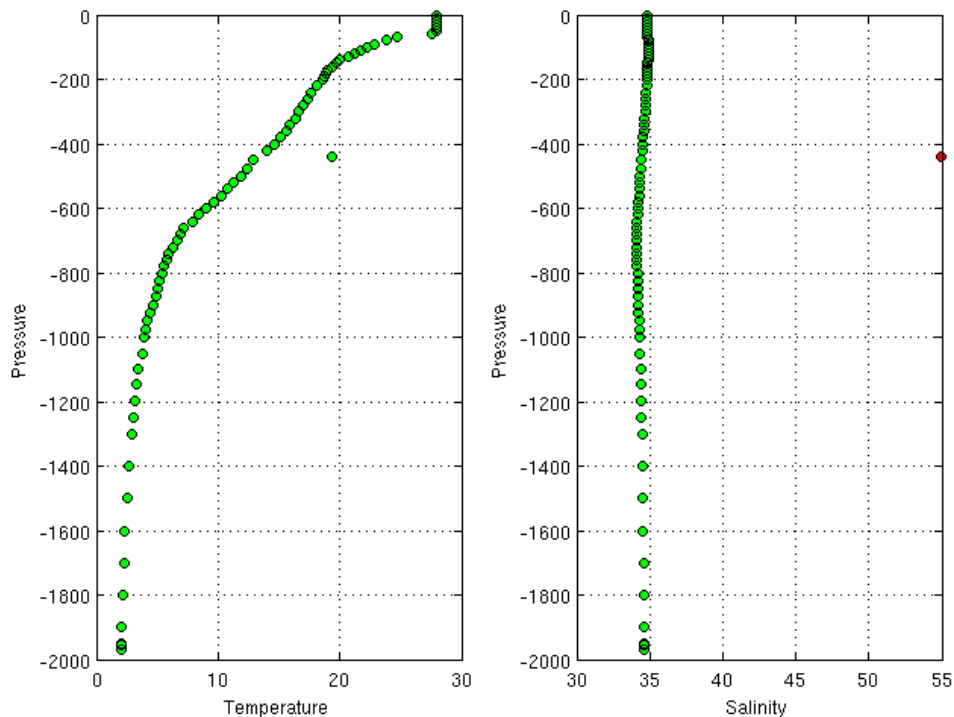
Profiles detected by the objective analysis: 1



Status of corrections: Correction not done, no feedback

Float : 2902491 - Cycle : 140 - PI : JMA - Data mode : A - INST REF : APEX-SBE 6699 - Date : 2015 11 13

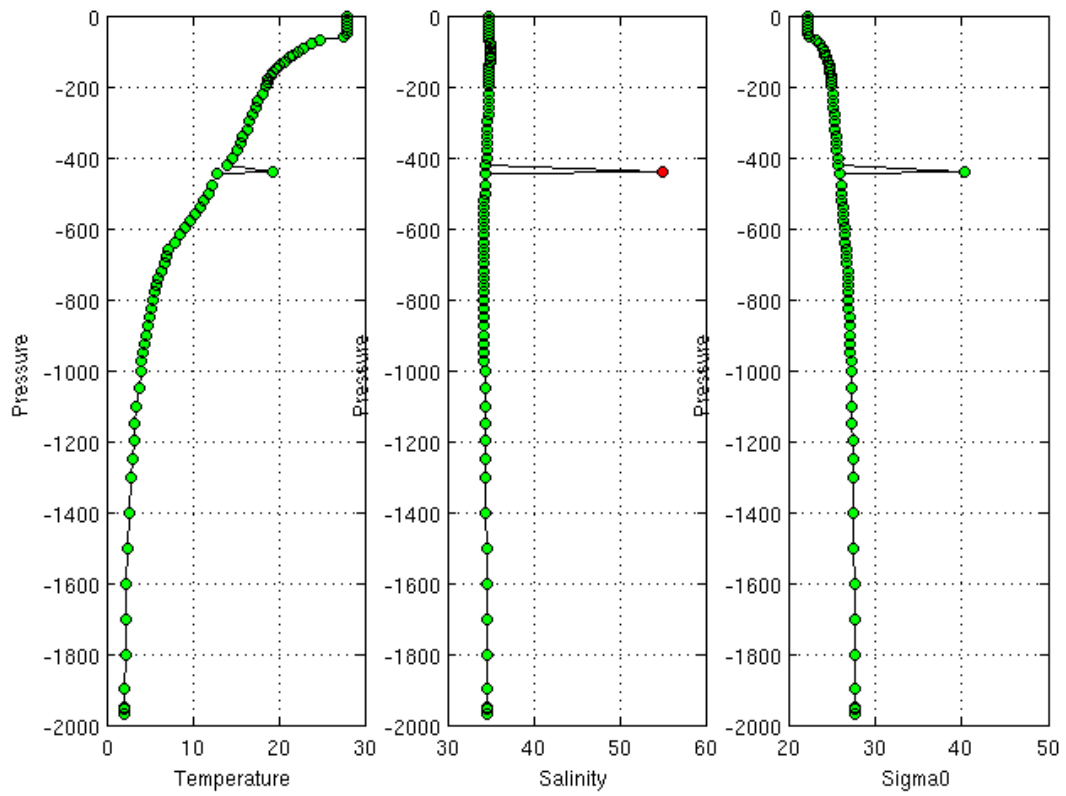
Warning Objective Analysis Anomalies 2015 December TEMP PSAL - DAC JA



DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
JA,2902491,140,17/11/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=42233608>,TEMP,439.9,439.9,1,4

Example of anomalies:

Warning Objective Analysis Anomalies 2015 December TEMP PSAL : DAC JA- Float 2902491-140



7. DAC KMA

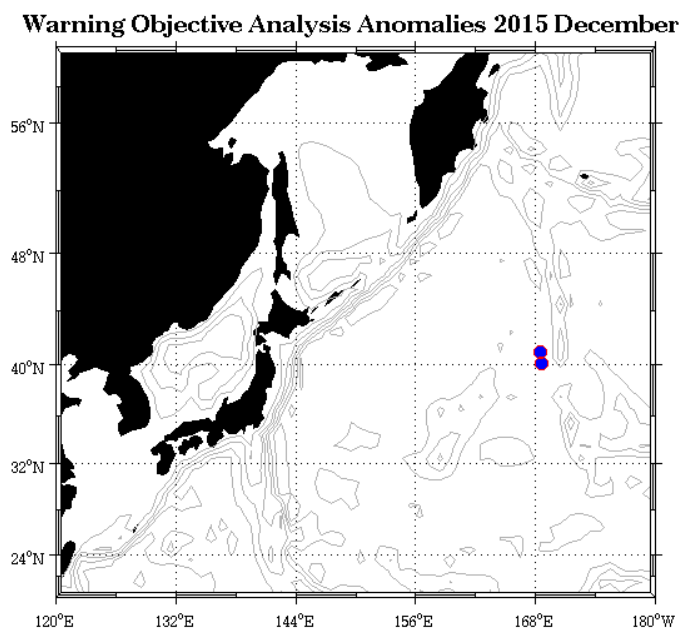
Profiles detected by the objective analysis: 0

Status of corrections: Correction not done, no feedback

Example of anomalies:

8. DAC KORDI

Profiles detected by the objective analysis: 2

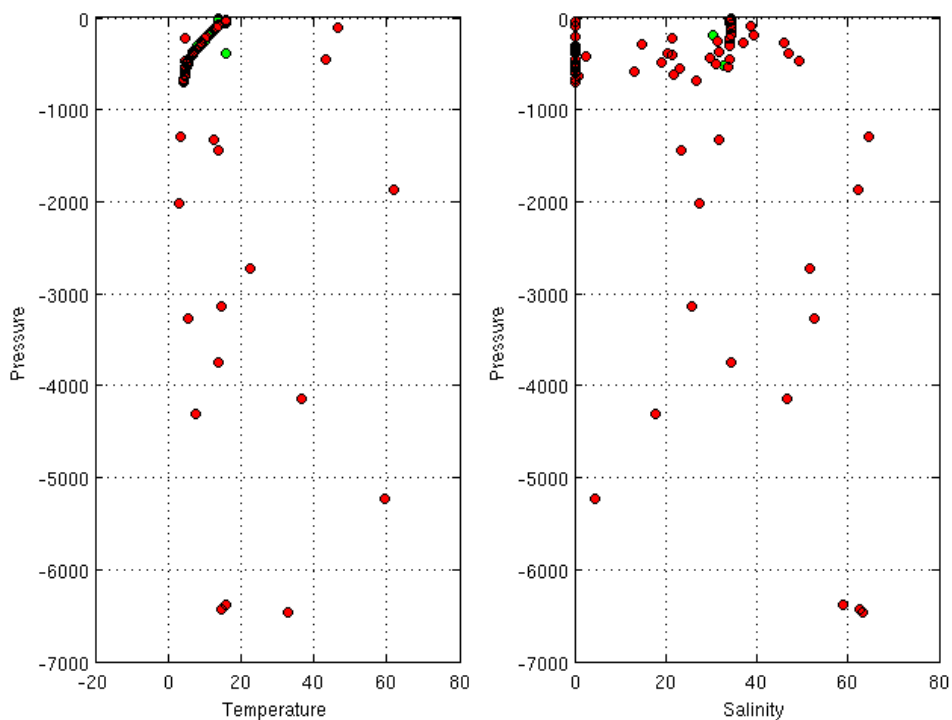


Status of corrections: Correction not done, no feedback

Float : 2900784 - Cycle : 343 - PI : Moon-Sik Suk - Data mode : A - INST REF : APEX-SBE 2487 - Date : 2015 11 5

Float : 2900784 - Cycle : 346 - PI : Moon-Sik Suk - Data mode : A - INST REF : APEX-SBE 2487 - Date : 2015 12 6

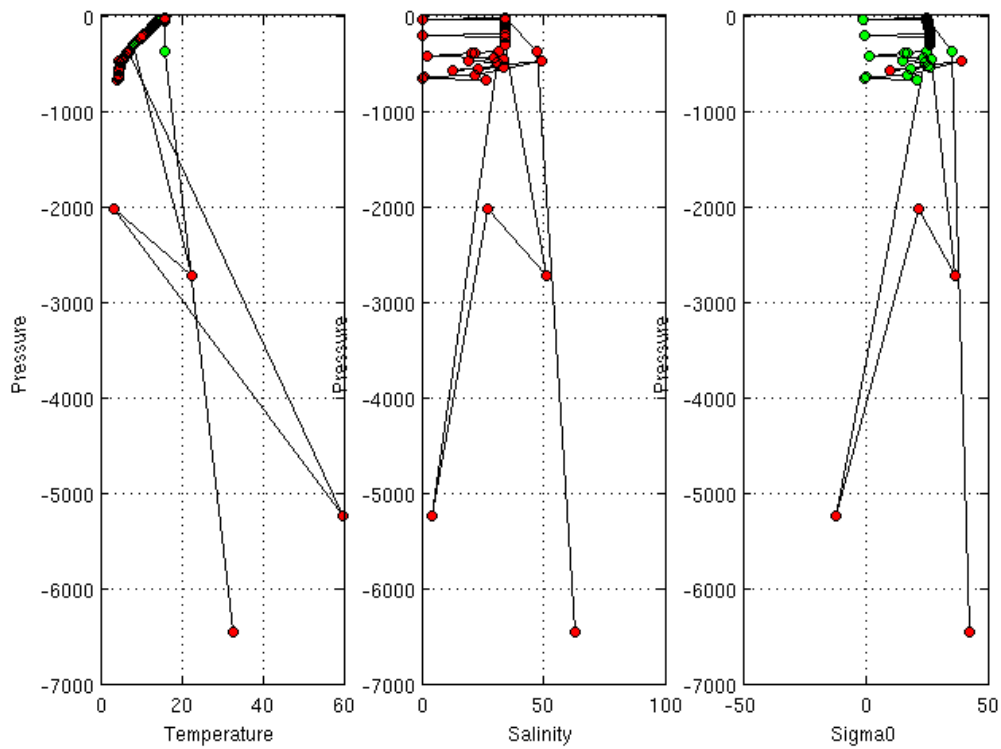
Warning Objective Analysis Anomalies 2015 December TEMP PSAL - DAC KO



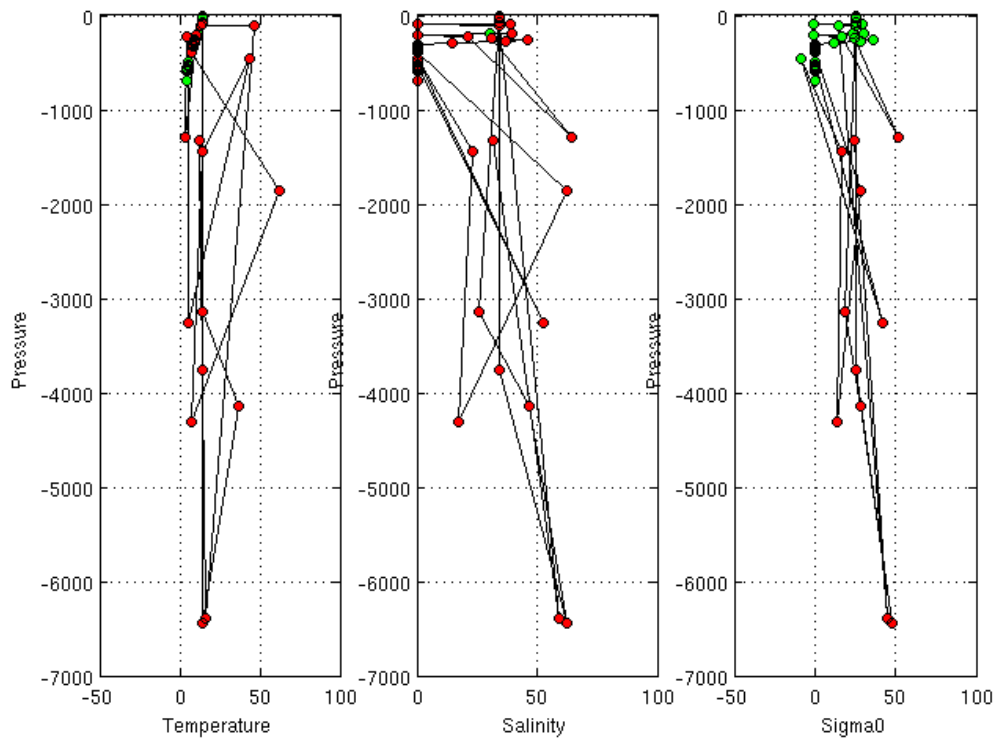
DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
KO,2900784,343,09/11/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=42165636> ,PSAL,519.4,519.4,1,4
KO,2900784,343,09/11/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=42165636> ,TEMP,382.1,382.1,1,4
KO,2900784,346,09/12/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=42407561> ,PSAL,14,14,1,4

Example of anomalies:

Warning Objective Analysis Anomalies 2015 December TEMP PSAL : DAC KO- Float 2900784-343

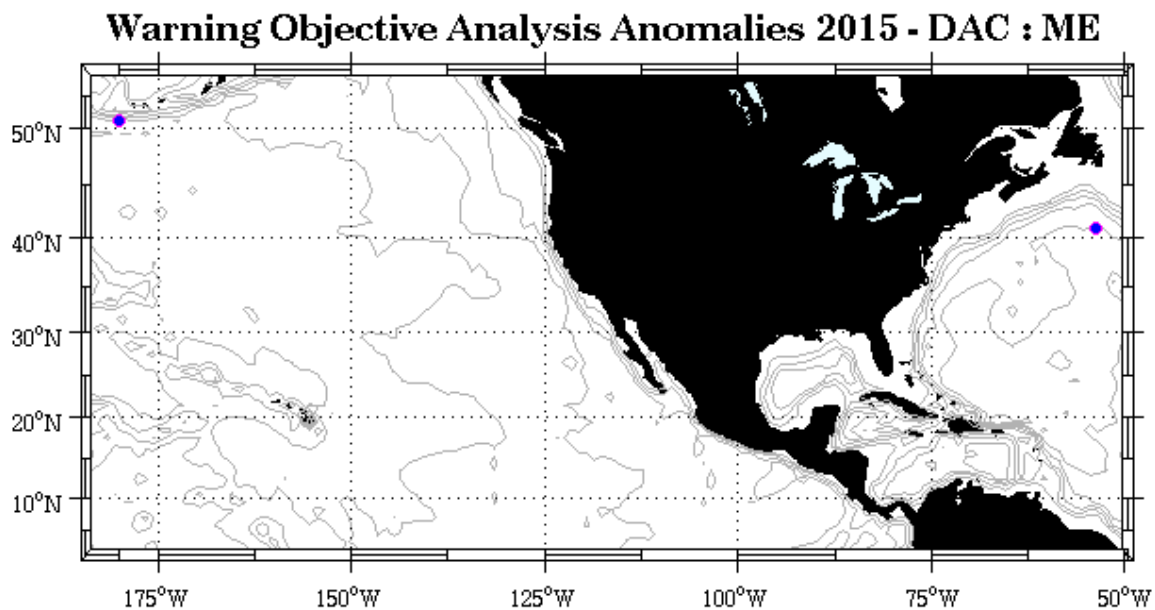


Warning Objective Analysis Anomalies 2015 December TEMP PSAL : DAC KO- Float 2900784-346



9. DAC MEDS

Profiles detected by the objective analysis: 2

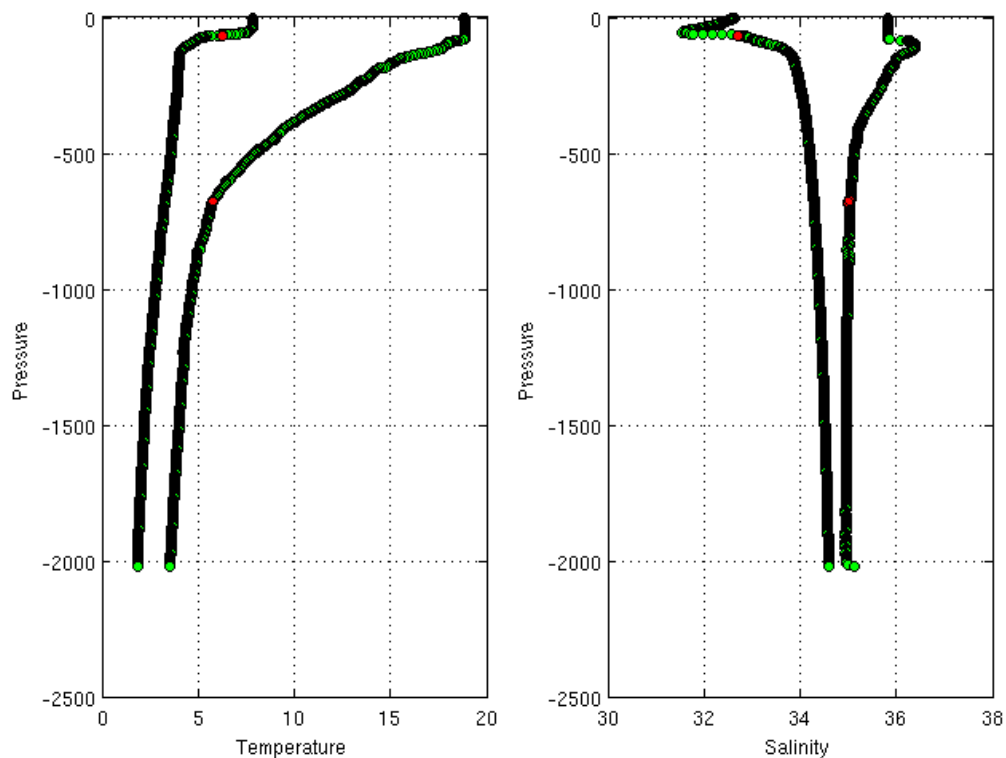


Status of corrections: Corrections not done

Float : 4901736 - Cycle : 85 - PI : Blair Greenan - Data mode : A - INST REF : - Date : 2015 11 6

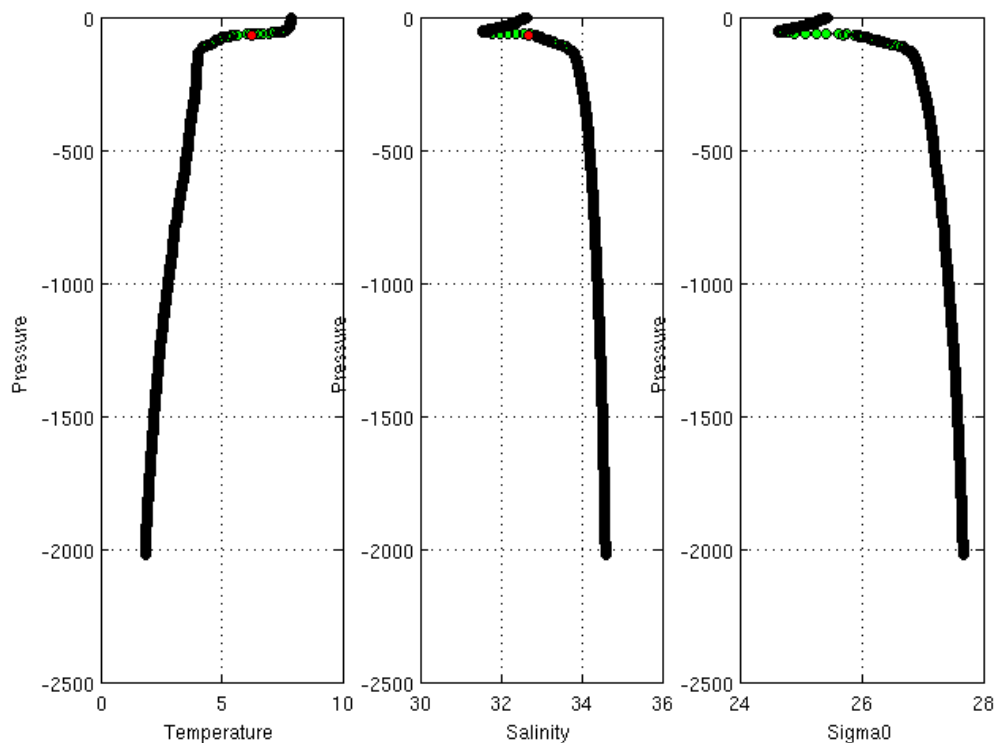
Float : 4901755 - Cycle : 92 - PI : Blair Greenan - Data mode : A - INST REF : - Date : 2015 12 1

Warning Objective Analysis Anomalies 2015 December TEMP PSAL - DAC ME

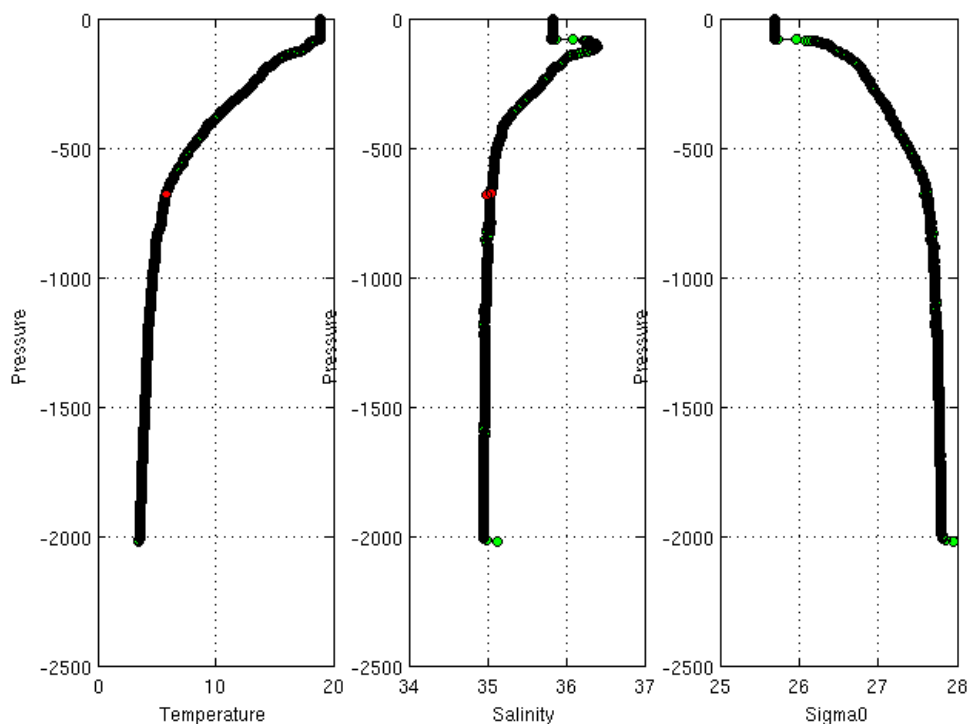


Example of anomalies:

Warning Objective Analysis Anomalies 2015 December TEMP PSAL : DAC ME- Float 4901736-85



Warning Objective Analysis Anomalies 2015 December TEMP PSAL : DAC ME- Float 4901755-92



10. DAC NMDIS

Profiles detected by the objective analysis: 0

Status of corrections:

Example of anomalies:

11. File anomalies (GDAC – Real time)

For information, on the GDAC for some floats, some netcdf files are missing. Sometimes this is not an anomaly (float has been deployed but no transmission of data then only meta file is available) but for other cases it could be an anomaly so please check.

11.1. AOML

GDAC (missing nc files)

For some floats :

- tech.nc and/or traj.nc are missing (meta.nc and prof.nc files existing)
- multiprof.nc is missing (no profiles but tech, traj, meta exist)
- only meta file (no monoprofile, no trajectory, no technical file)

See below the list of floats with existing nc files :

DAC name : aoml - Number of floats : 5778

1900167 - Existing nc files

File : 1900167_meta.nc - 1900167_prof.nc -

1900168 - Existing nc files

File : 1900168_meta.nc - 1900168_prof.nc -

1900189 - Existing nc files

File : 1900189_Rtraj.nc - 1900189_meta.nc - 1900189_tech.nc -

1900202 - Existing nc files

File : 1900202_meta.nc -

1900244 - Existing nc files

File : 1900244_meta.nc - 1900244_prof.nc -

1900245 - Existing nc files

File : 1900245_meta.nc - 1900245_prof.nc -

1900255 - Existing nc files

File : 1900255_meta.nc - 1900255_prof.nc -

1900257 - Existing nc files

File : 1900257_meta.nc - 1900257_prof.nc -

1900423 - Existing nc files

File : 1900423_meta.nc -

1900436 - Existing nc files

File : 1900436_meta.nc -

1900437 - Existing nc files

File : 1900437_meta.nc -

1900448 - Existing nc files

File : 1900448_meta.nc -

1900574 - Existing nc files

File : 1900574_meta.nc -

1900709 - Existing nc files

File : 1900709_meta.nc -

1900739 - Existing nc files

File : 1900739_meta.nc -

1900748 - Existing nc files

File : 1900748_Rtraj.nc - 1900748_meta.nc - 1900748_tech.nc -

1900751 - Existing nc files

File : 1900751_Rtraj.nc - 1900751_meta.nc - 1900751_tech.nc -

1900784 - Existing nc files

File : 1900784_meta.nc -

1900793 - Existing nc files

File : 1900793_meta.nc -

1900825 - Existing nc files

File : 1900825_meta.nc -

1900831 - Existing nc files

File : 1900831_Rtraj.nc - 1900831_meta.nc - 1900831_tech.nc -

1900950 - Existing nc files

File : 1900950_meta.nc -

1900985 - Existing nc files

File : 1900985_meta.nc -

1900990 - Existing nc files

File : 1900990_meta.nc -

1900992 - Existing nc files

File : 1900992_meta.nc -

1900994 - Existing nc files
File : 1900994_meta.nc -

1900995 - Existing nc files
File : 1900995_meta.nc -

1901008 - Existing nc files
File : 1901008_meta.nc -

1901500 - Existing nc files
File : 1901500_meta.nc -

1901519 - Existing nc files
File : 1901519_meta.nc -

1901521 - Existing nc files
File : 1901521_meta.nc -

1901522 - Existing nc files
File : 1901522_meta.nc -

1901542 - Existing nc files
File : 1901542_meta.nc -

1901545 - Existing nc files
File : 1901545_meta.nc -

1901546 - Existing nc files
File : 1901546_meta.nc -

1901555 - Existing nc files
File : 1901555_meta.nc -

1901570 - Existing nc files
File : 1901570_meta.nc -

1901630 - Existing nc files
File : 1901630_meta.nc -

1901631 - Existing nc files
File : 1901631_meta.nc -

1901635 - Existing nc files
File : 1901635_meta.nc -

1901636 - Existing nc files
File : 1901636_meta.nc -

1901648 - Existing nc files
File : 1901648_meta.nc -

1901658 - Existing nc files
File : 1901658_meta.nc -

1901662 - Existing nc files
File : 1901662_meta.nc -

1901699 - Existing nc files
File : 1901699_meta.nc -

1901707 - Existing nc files
File : 1901707_meta.nc -

1901731 - Existing nc files
File : 1901731_meta.nc - 1901731_prof.nc -

1901732 - Existing nc files
File : 1901732_meta.nc - 1901732_prof.nc -

1901733 - Existing nc files
File : 1901733_meta.nc - 1901733_prof.nc -

1901784 - Existing nc files
File : 1901784_meta.nc - 1901784_prof.nc -

1901785 - Existing nc files
File : 1901785_meta.nc - 1901785_prof.nc -

1901806 - Existing nc files
File : 1901806_meta.nc - 1901806_prof.nc -

1901807 - Existing nc files
File : 1901807_meta.nc - 1901807_prof.nc -

1901808 - Existing nc files
File : 1901808_meta.nc - 1901808_prof.nc -

2900386 - Existing nc files
File : 2900386_meta.nc -

2900390 - Existing nc files
File : 2900390_meta.nc -

2900796 - Existing nc files
File : 2900796_meta.nc -

2900798 - Existing nc files
File : 2900798_meta.nc -

2900824 - Existing nc files
File : 2900824_meta.nc -

2901103 - Existing nc files
File : 2901103_meta.nc -

2901106 - Existing nc files
File : 2901106_Rtraj.nc - 2901106_meta.nc - 2901106_tech.nc -

2901110 - Existing nc files
File : 2901110_meta.nc -

2901114 - Existing nc files
File : 2901114_meta.nc -

2901360 - Existing nc files
File : 2901360_meta.nc -

2901378 - Existing nc files
File : 2901378_meta.nc -

2901383 - Existing nc files
File : 2901383_meta.nc -

2901393 - Existing nc files
File : 2901393_meta.nc -

2901395 - Existing nc files
File : 2901395_meta.nc -

2901396 - Existing nc files
File : 2901396_meta.nc -

2901397 - Existing nc files
File : 2901397_meta.nc -

2901400 - Existing nc files
File : 2901400_meta.nc -

2901401 - Existing nc files
File : 2901401_meta.nc -

2901404 - Existing nc files
File : 2901404_meta.nc -

2901405 - Existing nc files
File : 2901405_meta.nc -

2901442 - Existing nc files
File : 2901442_meta.nc -

2902050 - Existing nc files
File : 2902050_meta.nc -

2902051 - Existing nc files
File : 2902051_meta.nc -

2902052 - Existing nc files
File : 2902052_meta.nc -

2902053 - Existing nc files
File : 2902053_meta.nc -

2902054 - Existing nc files
File : 2902054_meta.nc -

2902055 - Existing nc files
File : 2902055_meta.nc -

2902057 - Existing nc files
File : 2902057_meta.nc -

2902064 - Existing nc files
File : 2902064_meta.nc -

2902065 - Existing nc files
File : 2902065_meta.nc -

2902388 - Existing nc files
File : 2902388_meta.nc - 2902388_prof.nc -

2902389 - Existing nc files
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2902390 - Existing nc files
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2902391 - Existing nc files
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2902392 - Existing nc files
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2902393 - Existing nc files
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2902394 - Existing nc files
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2902395 - Existing nc files
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2902396 - Existing nc files
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2902397 - Existing nc files
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2902398 - Existing nc files
File : 2902398_meta.nc - 2902398_prof.nc -

3900148 - Existing nc files
File : 3900148_meta.nc - 3900148_prof.nc -

3900160 - Existing nc files
File : 3900160_Rtraj.nc - 3900160_meta.nc - 3900160_tech.nc -

3900260 - Existing nc files
File : 3900260_meta.nc -

3900416 - Existing nc files
File : 3900416_meta.nc -

3900454 - Existing nc files
File : 3900454_meta.nc -

3900612 - Existing nc files
File : 3900612_meta.nc -

3900709 - Existing nc files
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3900731 - Existing nc files
File : 3900731_meta.nc -

3900744 - Existing nc files
File : 3900744_meta.nc -

3900761 - Existing nc files
File : 3900761_meta.nc -

3901061 - Existing nc files
File : 3901061_meta.nc - 3901061_prof.nc -

3901062 - Existing nc files
File : 3901062_meta.nc - 3901062_prof.nc -

3901063 - Existing nc files
File : 3901063_meta.nc - 3901063_prof.nc -

3901064 - Existing nc files
File : 3901064_meta.nc - 3901064_prof.nc -

3901105 - Existing nc files
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3901106 - Existing nc files
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3901107 - Existing nc files
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3901108 - Existing nc files
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3901109 - Existing nc files
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3901110 - Existing nc files
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3901111 - Existing nc files
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3901112 - Existing nc files
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3901113 - Existing nc files
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3901114 - Existing nc files
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3901143 - Existing nc files
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3901145 - Existing nc files
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3901210 - Existing nc files
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3901220 - Existing nc files
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3901221 - Existing nc files
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3901222 - Existing nc files
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3901223 - Existing nc files
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3901224 - Existing nc files
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3901225 - Existing nc files
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3901226 - Existing nc files
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3901227 - Existing nc files
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3901228 - Existing nc files
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3901229 - Existing nc files
File : 3901229_meta.nc - 3901229_prof.nc -

3901230 - Existing nc files
File : 3901230_meta.nc - 3901230_prof.nc -

39029 - Existing nc files
File : 39029_Rtraj.nc - 39029_meta.nc - 39029_tech.nc -

39050 - Existing nc files
File : 39050_meta.nc -

41534 - Existing nc files
File : 41534_Rtraj.nc - 41534_meta.nc - 41534_tech.nc -

4900228 - Existing nc files
File : 4900228_meta.nc - 4900228_prof.nc -

4900229 - Existing nc files
File : 4900229_meta.nc - 4900229_prof.nc -

4900230 - Existing nc files
File : 4900230_meta.nc - 4900230_prof.nc -

4900268 - Existing nc files
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4900269 - Existing nc files
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4900270 - Existing nc files
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4900271 - Existing nc files
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4900272 - Existing nc files
File : 4900272_meta.nc - 4900272_prof.nc -

4900273 - Existing nc files
File : 4900273_meta.nc - 4900273_prof.nc -

4900287 - Existing nc files
File : 4900287_Rtraj.nc - 4900287_meta.nc - 4900287_tech.nc -

4900358 - Existing nc files
File : 4900358_meta.nc - 4900358_prof.nc -

4900361 - Existing nc files
File : 4900361_meta.nc - 4900361_prof.nc -

4900366 - Existing nc files
File : 4900366_meta.nc - 4900366_prof.nc -

4900367 - Existing nc files
File : 4900367_meta.nc - 4900367_prof.nc -

4900368 - Existing nc files
File : 4900368_meta.nc -

4900382 - Existing nc files
File : 4900382_meta.nc - 4900382_prof.nc -

4900383 - Existing nc files
File : 4900383_meta.nc - 4900383_prof.nc -

4900385 - Existing nc files
File : 4900385_meta.nc - 4900385_prof.nc -

4900426 - Existing nc files
File : 4900426_meta.nc - 4900426_prof.nc -

4900427 - Existing nc files
File : 4900427_meta.nc - 4900427_prof.nc -

4900428 - Existing nc files
File : 4900428_meta.nc - 4900428_prof.nc -

4900433 - Existing nc files
File : 4900433_meta.nc -

4900550 - Existing nc files
File : 4900550_Rtraj.nc - 4900550_meta.nc - 4900550_tech.nc -

4900576 - Existing nc files
File : 4900576_meta.nc -

4900583 - Existing nc files
File : 4900583_Rtraj.nc - 4900583_meta.nc - 4900583_tech.nc -

4900591 - Existing nc files
File : 4900591_meta.nc -

4900592 - Existing nc files
File : 4900592_meta.nc -

4900774 - Existing nc files
File : 4900774_meta.nc -

4900779 - Existing nc files
File : 4900779_Rtraj.nc - 4900779_meta.nc - 4900779_tech.nc -

4900783 - Existing nc files
File : 4900783_meta.nc -

4900793 - Existing nc files
File : 4900793_meta.nc -

4900807 - Existing nc files
File : 4900807_meta.nc -

4901013 - Existing nc files
File : 4901013_meta.nc -

4901023 - Existing nc files
File : 4901023_meta.nc -

4901025 - Existing nc files
File : 4901025_meta.nc -

4901026 - Existing nc files
File : 4901026_meta.nc -

4901034 - Existing nc files
File : 4901034_meta.nc -

4901038 - Existing nc files
File : 4901038_meta.nc -

4901042 - Existing nc files
File : 4901042_meta.nc -

4901053 - Existing nc files
File : 4901053_meta.nc -

4901220 - Existing nc files
File : 4901220_meta.nc -

4901293 - Existing nc files
File : 4901293_meta.nc -

4901485 - Existing nc files
File : 4901485_Rtraj.nc - 4901485_meta.nc - 4901485_tech.nc -

4901537 - Existing nc files
File : 4901537_Rtraj.nc - 4901537_meta.nc - 4901537_tech.nc -

4901560 - Existing nc files
File : 4901560_Rtraj.nc - 4901560_meta.nc - 4901560_tech.nc -

4901575 - Existing nc files
File : 4901575_Rtraj.nc - 4901575_meta.nc - 4901575_tech.nc -

4901577 - Existing nc files
File : 4901577_Rtraj.nc - 4901577_meta.nc - 4901577_tech.nc -

4901673 - Existing nc files
File : 4901673_meta.nc -

4901674 - Existing nc files
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4901676 - Existing nc files File : 4901676_meta.nc -	4902289 - Existing nc files File : 4902289_meta.nc - 4902289_prof.nc -
4901716 - Existing nc files File : 4901716_meta.nc - 4901716_prof.nc -	4902290 - Existing nc files File : 4902290_meta.nc - 4902290_prof.nc -
4901717 - Existing nc files File : 4901717_meta.nc - 4901717_prof.nc -	5900088 - Existing nc files File : 5900088_meta.nc -
4901718 - Existing nc files File : 4901718_meta.nc - 4901718_prof.nc -	5900115 - Existing nc files File : 5900115_meta.nc -
4901719 - Existing nc files File : 4901719_meta.nc - 4901719_prof.nc -	5900124 - Existing nc files File : 5900124_meta.nc -
4901720 - Existing nc files File : 4901720_meta.nc - 4901720_prof.nc -	5900253 - Existing nc files File : 5900253_Rtraj.nc - 5900253_meta.nc - 5900253_tech.nc -
4901721 - Existing nc files File : 4901721_meta.nc - 4901721_prof.nc -	5900637 - Existing nc files File : 5900637_Rtraj.nc - 5900637_meta.nc - 5900637_tech.nc -
4902098 - Existing nc files File : 4902098_meta.nc - 4902098_prof.nc -	5900765 - Existing nc files File : 5900765_Rtraj.nc - 5900765_meta.nc - 5900765_tech.nc -
4902099 - Existing nc files File : 4902099_meta.nc - 4902099_prof.nc -	5900892 - Existing nc files File : 5900892_Rtraj.nc - 5900892_meta.nc - 5900892_tech.nc -
4902100 - Existing nc files File : 4902100_meta.nc - 4902100_prof.nc -	5900936 - Existing nc files File : 5900936_meta.nc -
4902102 - Existing nc files File : 4902102_meta.nc - 4902102_prof.nc -	5901006 - Existing nc files File : 5901006_Rtraj.nc - 5901006_meta.nc - 5901006_tech.nc -
4902103 - Existing nc files File : 4902103_meta.nc - 4902103_prof.nc -	5901082 - Existing nc files File : 5901082_Rtraj.nc - 5901082_meta.nc - 5901082_tech.nc -
4902104 - Existing nc files File : 4902104_meta.nc - 4902104_prof.nc -	5901307 - Existing nc files File : 5901307_meta.nc -
4902105 - Existing nc files File : 4902105_meta.nc - 4902105_prof.nc -	5901428 - Existing nc files File : 5901428_meta.nc -
4902106 - Existing nc files File : 4902106_meta.nc - 4902106_prof.nc -	5901732 - Existing nc files File : 5901732_Rtraj.nc - 5901732_meta.nc - 5901732_tech.nc -
4902107 - Existing nc files File : 4902107_meta.nc - 4902107_prof.nc -	5902336 - Existing nc files File : 5902336_meta.nc -
4902284 - Existing nc files File : 4902284_meta.nc - 4902284_prof.nc -	5903296 - Existing nc files File : 5903296_meta.nc -
4902285 - Existing nc files File : 4902285_meta.nc - 4902285_prof.nc -	5903313 - Existing nc files File : 5903313_meta.nc -
4902287 - Existing nc files File : 4902287_meta.nc - 4902287_prof.nc -	5903442 - Existing nc files File : 5903442_Rtraj.nc - 5903442_meta.nc - 5903442_tech.nc -
4902288 - Existing nc files File : 4902288_meta.nc - 4902288_prof.nc -	5903449 - Existing nc files File : 5903449_meta.nc -

5903789 - Existing nc files
File : 5903789_meta.nc -

5904006 - Existing nc files
File : 5904006_Rtraj.nc - 5904006_meta.nc - 5904006_prof.nc -

5904014 - Existing nc files
File : 5904014_Rtraj.nc - 5904014_meta.nc - 5904014_tech.nc -

5904063 - Existing nc files
File : 5904063_meta.nc -

5904097 - Existing nc files
File : 5904097_Rtraj.nc - 5904097_meta.nc - 5904097_tech.nc -

5904282 - Existing nc files
File : 5904282_Rtraj.nc - 5904282_meta.nc - 5904282_tech.nc -

5904298 - Existing nc files
File : 5904298_meta.nc -

5904318 - Existing nc files
File : 5904318_meta.nc - 5904318_prof.nc -

5904388 - Existing nc files
File : 5904388_meta.nc -

5904393 - Existing nc files
File : 5904393_meta.nc -

5904495 - Existing nc files
File : 5904495_meta.nc -

5904661 - Existing nc files
File : 5904661_meta.nc -

5904662 - Existing nc files
File : 5904662_meta.nc -

59047 - Existing nc files

File : 59047_meta.nc -

59048 - Existing nc files
File : 59048_meta.nc -

59049 - Existing nc files
File : 59049_meta.nc -

6900104 - Existing nc files
File : 6900104_meta.nc -

6900106 - Existing nc files
File : 6900106_meta.nc -

6900108 - Existing nc files
File : 6900108_meta.nc -

6900314 - Existing nc files
File : 6900314_meta.nc -

6900416 - Existing nc files
File : 6900416_meta.nc -

6900417 - Existing nc files
File : 6900417_meta.nc -

6900418 - Existing nc files
File : 6900418_meta.nc -

6900419 - Existing nc files
File : 6900419_meta.nc -

7900056 - Existing nc files
File : 7900056_meta.nc -

7900059 - Existing nc files
File : 7900059_meta.nc -

7900108 - Existing nc files
File : 7900108_meta.nc -

Files in real time :

3900844 (cycle 243 for instance) - QC missing (blank should be replaced by 9)

```
PRES_QC =  
"1111411111111111111111111111111114411111111444111111 411111111";  
PRES_ADJUSTED_QC =  
"111141111111111111111111111111111441111111444111111 411111111";  
TEMP_QC =  
"111111111111114411111111111111111111111111111444444111 111111111";  
TEMP_ADJUSTED_QC =  
"111111111111114411111111111111111111111111111444444111 111111111";  
PSAL_QC =  
"1144411111111114411111111111111114441111111444111111 411111111";
```

```
PSAL_ADJUSTED_QC =  
"1144411111111144111111111111144411111111444111111 4111111111";
```

aoml - R5904488_210.nc - A profile date-time is not defined, location not defined but right QC on those parameters – If JULD missing, put QC 9 ?

```
JULD = _ _ ;  
JULD_QC = "44" ;  
JULD_LOCATION = _ _ ;  
LATITUDE = _ _ ;  
LONGITUDE = _ _ ;  
POSITION_QC = "99" ;
```

aoml - R3901171_044.nc - A profile date-time is not defined, location not defined but right QC on those parameters – If JULD missing, put QC 9 ?

```
JULD = _ ;  
JULD_QC = "4" ;  
JULD_LOCATION = _ ;  
LATITUDE = _ ;  
LONGITUDE = _ ;  
POSITION_QC = "9" ;
```

11.2. BODC

GDAC (missing nc files)

For some floats :

- tech.nc and/or traj.nc are missing (meta.nc and prof.nc files existing)
- only meta and/or tech files (no monopprofile, no trajectory)

See below the list of floats with existing nc files :

DAC name : bodc - Number of floats : 517

1900088 - Existing nc files

File : 1900088_meta.nc -

1900093 - Existing nc files

File : 1900093_meta.nc -

1900176 - Existing nc files

File : 1900176_meta.nc - 1900176_tech.nc -

1900371 - Existing nc files

File : 1900371_meta.nc -

1900936 - Existing nc files

File : 1900936_meta.nc -

1901059 - Existing nc files

File : 1901059_meta.nc -

1901229 - Existing nc files

File : 1901229_meta.nc -

1901249 - Existing nc files

File : 1901249_meta.nc -

1901312 - Existing nc files

File : 1901312_meta.nc - 1901312_prof.nc - 1901312_tech.nc -

1901844 - Existing nc files

File : 1901844_meta.nc - 1901844_prof.nc - 1901844_tech.nc -

1901845 - Existing nc files

File : 1901845_meta.nc - 1901845_prof.nc - 1901845_tech.nc -

1901846 - Existing nc files

File : 1901846_meta.nc - 1901846_prof.nc - 1901846_tech.nc -

1901847 - Existing nc files

File : 1901847_meta.nc - 1901847_prof.nc - 1901847_tech.nc -

1901848 - Existing nc files

File : 1901848_meta.nc - 1901848_prof.nc - 1901848_tech.nc -

1901849 - Existing nc files

File : 1901849_meta.nc - 1901849_prof.nc - 1901849_tech.nc -

1901850 - Existing nc files
File : 1901850_meta.nc - 1901850_prof.nc - 1901850_tech.nc -

1901851 - Existing nc files
File : 1901851_meta.nc - 1901851_prof.nc - 1901851_tech.nc -

1901852 - Existing nc files
File : 1901852_meta.nc - 1901852_prof.nc - 1901852_tech.nc -

1901853 - Existing nc files
File : 1901853_meta.nc - 1901853_prof.nc - 1901853_tech.nc -

1901854 - Existing nc files
File : 1901854_meta.nc - 1901854_prof.nc - 1901854_tech.nc -

1901855 - Existing nc files
File : 1901855_meta.nc - 1901855_prof.nc - 1901855_tech.nc -

1901856 - Existing nc files
File : 1901856_meta.nc - 1901856_prof.nc - 1901856_tech.nc -

1901857 - Existing nc files
File : 1901857_meta.nc - 1901857_prof.nc - 1901857_tech.nc -

1901858 - Existing nc files
File : 1901858_meta.nc - 1901858_prof.nc - 1901858_tech.nc -

1901859 - Existing nc files
File : 1901859_meta.nc - 1901859_prof.nc - 1901859_tech.nc -

1901860 - Existing nc files
File : 1901860_meta.nc - 1901860_prof.nc - 1901860_tech.nc -

1901861 - Existing nc files
File : 1901861_meta.nc - 1901861_prof.nc - 1901861_tech.nc -

2900160 - Existing nc files
File : 2900160_meta.nc -

2900195 - Existing nc files
File : 2900195_meta.nc -

3900377 - Existing nc files
File : 3900377_meta.nc -

3900379 - Existing nc files
File : 3900379_meta.nc -

3900380 - Existing nc files
File : 3900380_meta.nc -

3900382 - Existing nc files
File : 3900382_meta.nc -

3900538 - Existing nc files
File : 3900538_meta.nc - 3900538_prof.nc - 3900538_tech.nc -

3900559 - Existing nc files
File : 3900559_meta.nc - 3900559_prof.nc - 3900559_tech.nc -

3900560 - Existing nc files
File : 3900560_meta.nc - 3900560_prof.nc - 3900560_tech.nc -

3901488 - Existing nc files
File : 3901488_meta.nc - 3901488_prof.nc - 3901488_tech.nc -

3901489 - Existing nc files
File : 3901489_meta.nc - 3901489_prof.nc - 3901489_tech.nc -

3901490 - Existing nc files
File : 3901490_meta.nc - 3901490_prof.nc - 3901490_tech.nc -

3901491 - Existing nc files
File : 3901491_meta.nc - 3901491_prof.nc - 3901491_tech.nc -

3901492 - Existing nc files
File : 3901492_meta.nc - 3901492_prof.nc - 3901492_tech.nc -

3901493 - Existing nc files
File : 3901493_meta.nc - 3901493_prof.nc - 3901493_tech.nc -

3901494 - Existing nc files
File : 3901494_meta.nc - 3901494_prof.nc - 3901494_tech.nc -

3901495 - Existing nc files
File : 3901495_meta.nc - 3901495_prof.nc - 3901495_tech.nc -

3901499 - Existing nc files
File : 3901499_meta.nc - 3901499_prof.nc - 3901499_tech.nc -

3901500 - Existing nc files
File : 3901500_meta.nc - 3901500_prof.nc - 3901500_tech.nc -

3901501 - Existing nc files
File : 3901501_meta.nc - 3901501_prof.nc - 3901501_tech.nc -

3901502 - Existing nc files
File : 3901502_meta.nc - 3901502_prof.nc - 3901502_tech.nc -

3901503 - Existing nc files
File : 3901503_meta.nc - 3901503_prof.nc - 3901503_tech.nc -

3901504 - Existing nc files
File : 3901504_meta.nc - 3901504_prof.nc - 3901504_tech.nc -

3901505 - Existing nc files
File : 3901505_meta.nc - 3901505_prof.nc - 3901505_tech.nc -

3901506 - Existing nc files
File : 3901506_meta.nc - 3901506_prof.nc - 3901506_tech.nc -

3901507 - Existing nc files
File : 3901507_meta.nc - 3901507_prof.nc - 3901507_tech.nc -

3901508 - Existing nc files
File : 3901508_meta.nc - 3901508_prof.nc - 3901508_tech.nc -

3901509 - Existing nc files
File : 3901509_meta.nc - 3901509_prof.nc - 3901509_tech.nc -

3901510 - Existing nc files
File : 3901510_meta.nc - 3901510_prof.nc - 3901510_tech.nc -

3901511 - Existing nc files
File : 3901511_meta.nc - 3901511_prof.nc - 3901511_tech.nc -

3901512 - Existing nc files
File : 3901512_meta.nc - 3901512_prof.nc - 3901512_tech.nc -

3901513 - Existing nc files
File : 3901513_meta.nc - 3901513_prof.nc - 3901513_tech.nc -

3901514 - Existing nc files
File : 3901514_meta.nc - 3901514_prof.nc - 3901514_tech.nc -

3901515 - Existing nc files
File : 3901515_meta.nc - 3901515_prof.nc - 3901515_tech.nc -

3901516 - Existing nc files
File : 3901516_meta.nc - 3901516_prof.nc - 3901516_tech.nc -

3901517 - Existing nc files
File : 3901517_meta.nc - 3901517_prof.nc - 3901517_tech.nc -

3901519 - Existing nc files
File : 3901519_meta.nc - 3901519_prof.nc - 3901519_tech.nc -

3901520 - Existing nc files
File : 3901520_meta.nc - 3901520_prof.nc - 3901520_tech.nc -

3901521 - Existing nc files
File : 3901521_meta.nc - 3901521_prof.nc - 3901521_tech.nc -

3901522 - Existing nc files
File : 3901522_meta.nc - 3901522_prof.nc - 3901522_tech.nc -

3901523 - Existing nc files
File : 3901523_meta.nc - 3901523_prof.nc - 3901523_tech.nc -

49065 - Existing nc files
File : 49065_meta.nc - 49065_prof.nc - 49065_tech.nc -

5900181 - Existing nc files
File : 5900181_meta.nc -

6900085 - Existing nc files
File : 6900085_meta.nc -

6900201 - Existing nc files
File : 6900201_meta.nc -

6900409 - Existing nc files
File : 6900409_meta.nc -

6901153 - Existing nc files
File : 6901153_meta.nc - 6901153_prof.nc - 6901153_tech.nc -

6901155 - Existing nc files
File : 6901155_meta.nc - 6901155_prof.nc - 6901155_tech.nc -

6901156 - Existing nc files
File : 6901156_meta.nc - 6901156_prof.nc - 6901156_tech.nc -

6901160 - Existing nc files
File : 6901160_meta.nc - 6901160_tech.nc -

6901161 - Existing nc files
File : 6901161_meta.nc - 6901161_tech.nc -

6901162 - Existing nc files
File : 6901162_meta.nc - 6901162_prof.nc - 6901162_tech.nc -

6901163 - Existing nc files
File : 6901163_meta.nc - 6901163_prof.nc - 6901163_tech.nc -

6901164 - Existing nc files
File : 6901164_meta.nc - 6901164_prof.nc - 6901164_tech.nc -

6901165 - Existing nc files
File : 6901165_meta.nc - 6901165_prof.nc - 6901165_tech.nc -

6901166 - Existing nc files
File : 6901166_meta.nc - 6901166_prof.nc - 6901166_tech.nc -

6901168 - Existing nc files
File : 6901168_meta.nc - 6901168_prof.nc - 6901168_tech.nc -

6901169 - Existing nc files
File : 6901169_meta.nc - 6901169_prof.nc - 6901169_tech.nc -

6901170 - Existing nc files
File : 6901170_meta.nc - 6901170_prof.nc - 6901170_tech.nc -

6901171 - Existing nc files
File : 6901171_meta.nc - 6901171_prof.nc - 6901171_tech.nc -

6901172 - Existing nc files
File : 6901172_meta.nc - 6901172_prof.nc - 6901172_tech.nc -

6901173 - Existing nc files
File : 6901173_meta.nc - 6901173_prof.nc - 6901173_tech.nc -

6901176 - Existing nc files
File : 6901176_meta.nc - 6901176_prof.nc - 6901176_tech.nc -

6901177 - Existing nc files
File : 6901177_meta.nc - 6901177_prof.nc - 6901177_tech.nc -

6901178 - Existing nc files
File : 6901178_meta.nc - 6901178_prof.nc - 6901178_tech.nc -

6901179 - Existing nc files
File : 6901179_meta.nc - 6901179_prof.nc - 6901179_tech.nc -

6901919 - Existing nc files
File : 6901919_meta.nc - 6901919_prof.nc - 6901919_tech.nc -

6901920 - Existing nc files
File : 6901920_meta.nc - 6901920_prof.nc - 6901920_tech.nc

11.3. CORIOLIS

GDAC (missing nc files)

For some floats :

- multiprof.nc is missing (no profiles but tech, traj, meta exist)
- only meta file and tech file (no monopprofile, no trajectory)
-

See below the list of floats with existing nc files :

DAC name : coriolis - Number of floats : 2208

1900069 - Existing nc files

File : 1900069_meta.nc -

1900229 - Existing nc files

File : 1900229_meta.nc - 1900229_tech.nc -

1900231 - Existing nc files

File : 1900231_meta.nc - 1900231_tech.nc -

1900232 - Existing nc files

File : 1900232_meta.nc - 1900232_tech.nc -

1900233 - Existing nc files

File : 1900233_meta.nc - 1900233_tech.nc -

1900234 - Existing nc files

File : 1900234_meta.nc - 1900234_tech.nc -

1900235 - Existing nc files

File : 1900235_meta.nc - 1900235_tech.nc -

1900236 - Existing nc files

File : 1900236_meta.nc - 1900236_tech.nc -

1900237 - Existing nc files

File : 1900237_meta.nc - 1900237_tech.nc -

1900238 - Existing nc files

File : 1900238_meta.nc - 1900238_tech.nc -

1900239 - Existing nc files

File : 1900239_meta.nc - 1900239_tech.nc -

1900327 - Existing nc files

File : 1900327_meta.nc - 1900327_tech.nc -

1900330 - Existing nc files

File : 1900330_meta.nc - 1900330_tech.nc -

1900348 - Existing nc files

File : 1900348_meta.nc - 1900348_tech.nc -

1900380 - Existing nc files

File : 1900380_Rtraj.nc - 1900380_meta.nc - 1900380_tech.nc -

1900464 - Existing nc files

File : 1900464_meta.nc - 1900464_tech.nc -

1900465 - Existing nc files

File : 1900465_meta.nc - 1900465_tech.nc -

1900557 - Existing nc files

File : 1900557_meta.nc - 1900557_tech.nc -

1900860 - Existing nc files

File : 1900860_meta.nc -

1901216 - Existing nc files

File : 1901216_Rtraj.nc - 1901216_meta.nc - 1901216_tech.nc -

1901349 - Existing nc files

File : 1901349_meta.nc - 1901349_tech.nc -

3900794 - Existing nc files

File : 3900794_Mprof.nc - 3900794_meta.nc -

3900990 - Existing nc files

File : 3900990_meta.nc -

3901001 - Existing nc files

File : 3901001_meta.nc -

4900226 - Existing nc files

File : 4900226_meta.nc - 4900226_tech.nc -

4900351 - Existing nc files

File : 4900351_meta.nc - 4900351_tech.nc -

5902296 - Existing nc files

File : 5902296_meta.nc - 5902296_tech.nc -

5902309 - Existing nc files

File : 5902309_meta.nc -

5903129 - Existing nc files

File : 5903129_Rtraj.nc - 5903129_meta.nc - 5903129_tech.nc -

6900129 - Existing nc files

File : 6900129_meta.nc -

6900131 - Existing nc files
File : 6900131_meta.nc -

6900164 - Existing nc files
File : 6900164_meta.nc -

6900165 - Existing nc files
File : 6900165_meta.nc -

6900182 - Existing nc files
File : 6900182_meta.nc - 6900182_tech.nc -

6900215 - Existing nc files
File : 6900215_meta.nc - 6900215_prof.nc - 6900215_tech.nc -

6900217 - Existing nc files
File : 6900217_meta.nc - 6900217_prof.nc - 6900217_tech.nc -

6900235 - Existing nc files
File : 6900235_meta.nc -

6900283 - Existing nc files
File : 6900283_meta.nc - 6900283_tech.nc -

6900296 - Existing nc files
File : 6900296_meta.nc - 6900296_tech.nc -

6900633 - Existing nc files
File : 6900633_meta.nc - 6900633_tech.nc -

6900634 - Existing nc files
File : 6900634_meta.nc - 6900634_tech.nc -

6900684 - Existing nc files
File : 6900684_meta.nc -

6900704 - Existing nc files
File : 6900704_meta.nc -

6900713 - Existing nc files
File : 6900713_meta.nc -

6900809 - Existing nc files
File : 6900809_meta.nc - 6900809_tech.nc -

6900831 - Existing nc files
File : 6900831_Rtraj.nc - 6900831_meta.nc - 6900831_tech.nc -

6900832 - Existing nc files
File : 6900832_meta.nc - 6900832_tech.nc -

6900833 - Existing nc files
File : 6900833_meta.nc - 6900833_tech.nc -

6900886 - Existing nc files
File : 6900886_meta.nc - 6900886_tech.nc -

6900887 - Existing nc files
File : 6900887_meta.nc - 6900887_tech.nc -

6900940 - Existing nc files
File : 6900940_Rtraj.nc - 6900940_meta.nc - 6900940_tech.nc -

6900983 - Existing nc files
File : 6900983_meta.nc -

6900999 - Existing nc files
File : 6900999_meta.nc - 6900999_tech.nc -

6901000 - Existing nc files
File : 6901000_Rtraj.nc - 6901000_meta.nc - 6901000_tech.nc -

6901057 - Existing nc files
File : 6901057_meta.nc - 6901057_tech.nc -

6901069 - Existing nc files
File : 6901069_meta.nc - 6901069_tech.nc -

6901244 - Existing nc files
File : 6901244_meta.nc - 6901244_prof.nc - 6901244_tech.nc -

6901388 - Existing nc files
File : 6901388_meta.nc - 6901388_tech.nc -

6901438 - Existing nc files
File : 6901438_Rtraj.nc - 6901438_meta.nc -

6901469 - Existing nc files
File : 6901469_Rtraj.nc - 6901469_meta.nc -

6901479 - Existing nc files
File : 6901479_meta.nc - 6901479_tech.nc -

6901498 - Existing nc files
File : 6901498_meta.nc - 6901498_tech.nc -

6901499 - Existing nc files
File : 6901499_meta.nc - 6901499_tech.nc -

6901551 - Existing nc files
File : 6901551_Rtraj.nc - 6901551_meta.nc - 6901551_tech.nc -

6901555 - Existing nc files
File : 6901555_meta.nc -

6901594 - Existing nc files
File : 6901594_Rtraj.nc - 6901594_meta.nc - 6901594_tech.nc -

69016 - Existing nc files
File : 69016_meta.nc - 69016_prof.nc - 69016_tech.nc -

6901615 - Existing nc files
File : 6901615_Rtraj.nc - 6901615_meta.nc - 6901615_tech.nc -

69017 - Existing nc files
File : 69017_meta.nc - 69017_prof.nc - 69017_tech.nc -

6901719 - Existing nc files
File : 6901719_meta.nc - 6901719_tech.nc -

6901720 - Existing nc files
File : 6901720_meta.nc - 6901720_tech.nc -

6901721 - Existing nc files
File : 6901721_meta.nc - 6901721_tech.nc -

6901722 - Existing nc files
File : 6901722_meta.nc - 6901722_tech.nc -

6901723 - Existing nc files
File : 6901723_meta.nc - 6901723_tech.nc -

6901724 - Existing nc files
File : 6901724_meta.nc - 6901724_tech.nc -

6901725 - Existing nc files
File : 6901725_meta.nc - 6901725_tech.nc -

6901726 - Existing nc files
File : 6901726_meta.nc - 6901726_tech.nc -

69018 - Existing nc files
File : 69018_meta.nc - 69018_prof.nc - 69018_tech.nc -

6901820 - Existing nc files
File : 6901820_Rtraj.nc - 6901820_meta.nc -

6901844 - Existing nc files
File : 6901844_Rtraj.nc - 6901844_meta.nc -

6901854 - Existing nc files
File : 6901854_Rtraj.nc - 6901854_meta.nc - 6901854_tech.nc -

6901855 - Existing nc files
File : 6901855_meta.nc - 6901855_tech.nc -

6901866 - Existing nc files
File : 6901866_meta.nc - 6901866_tech.nc -

6901871 - Existing nc files
File : 6901871_meta.nc - 6901871_tech.nc -

6902020 - Existing nc files
File : 6902020_meta.nc - 6902020_prof.nc - 6902020_tech.nc -

6902021 - Existing nc files
File : 6902021_meta.nc - 6902021_prof.nc - 6902021_tech.nc -

6902041 - Existing nc files
File : 6902041_meta.nc - 6902041_tech.nc -

69021 - Existing nc files
File : 69021_meta.nc - 69021_prof.nc - 69021_tech.nc -

6902583 - Existing nc files
File : 6902583_meta.nc - 6902583_tech.nc -

69029 - Existing nc files
File : 69029_meta.nc -

6903174 - Existing nc files
File : 6903174_meta.nc - 6903174_tech.nc -

6903177 - Existing nc files
File : 6903177_meta.nc - 6903177_tech.nc -

6903178 - Existing nc files
File : 6903178_meta.nc - 6903178_tech.nc -

69033 - Existing nc files
File : 69033_meta.nc -

7900038 - Existing nc files
File : 7900038_meta.nc - 7900038_tech.nc -

7900039 - Existing nc files
File : 7900039_meta.nc - 7900039_tech.nc -

7900092 - Existing nc files
File : 7900092_meta.nc - 7900092_tech.nc -

7900218 - Existing nc files
File : 7900218_meta.nc - 7900218_tech.nc -

7900221 - Existing nc files
File : 7900221_meta.nc - 7900221_tech.nc -

7900234 - Existing nc files
File : 7900234_meta.nc - 7900234_tech.nc -

7900338 - Existing nc files
File : 7900338_meta.nc - 7900338_tech.nc -

7900339 - Existing nc files
File : 7900339_meta.nc - 7900339_tech.nc -

7900342 - Existing nc files
File : 7900342_meta.nc - 7900342_tech.nc -

7900348 - Existing nc files
File : 7900348_meta.nc - 7900348_tech.nc -

7900349 - Existing nc files
File : 7900349_Rtraj.nc - 7900349_meta.nc - 7900349_tech.nc -

7900358 - Existing nc files
File : 7900358_meta.nc - 7900358_tech.nc -

7900360 - Existing nc files
File : 7900360_meta.nc - 7900360_tech.nc -

7900371 - Existing nc files
File : 7900371_meta.nc - 7900371_tech.nc -

7900399 - Existing nc files
File : 7900399_meta.nc -

7900405 - Existing nc files
File : 7900405_meta.nc - 7900405_tech.nc

11.4. CSIO

GDAC (missing nc files)

For some floats :

- multiprof.nc is missing (no profiles but tech, traj, meta exist)
- only meta file (no monoprofile)

See below the list of floats with existing nc files :

DAC name : csio - Number of floats : 334

2901195 - Existing nc files

File : 2901195_meta.nc -

2901498 - Existing nc files

File : 2901498_Rtraj.nc - 2901498_meta.nc - 2901498_tech.nc -

2901505 - Existing nc files

File : 2901505_Rtraj.nc - 2901505_meta.nc - 2901505_tech.nc -

2902670 - Existing nc files

File : 2902670_meta.nc - 2902670_prof.nc -

2902671 - Existing nc files

File : 2902671_meta.nc - 2902671_prof.nc -

2902672 - Existing nc files

File : 2902672_meta.nc - 2902672_prof.nc -

2902673 - Existing nc files

File : 2902673_meta.nc - 2902673_prof.nc -

2902674 - Existing nc files

File : 2902674_meta.nc - 2902674_prof.nc -

5900319 - Existing nc files

File : 5900319_meta.nc -

5900320 - Existing nc files

File : 5900320_meta.nc

11.5. CSIRO

GDAC (missing nc files)

For some floats :

- traj.nc is missing (only meta.nc, tech.nc and prof.nc files)
- one float (1901144) with only meta.nc and tech.nc
- only meta file (no monoprofile)

See below the list of floats with existing nc files :

DAC name : csiro - Number of floats : 703

1901122 - Existing nc files

File : 1901122_meta.nc -

1901144 - Existing nc files

File : 1901144_meta.nc - 1901144_tech.nc -

1901326 - Existing nc files

File : 1901326_meta.nc -

1901328 - Existing nc files

File : 1901328_meta.nc -

1901331 - Existing nc files

File : 1901331_meta.nc - 1901331_prof.nc - 1901331_tech.nc -

1901332 - Existing nc files

File : 1901332_meta.nc - 1901332_prof.nc - 1901332_tech.nc -

1901333 - Existing nc files

File : 1901333_meta.nc - 1901333_prof.nc - 1901333_tech.nc -

1901334 - Existing nc files

File : 1901334_meta.nc - 1901334_prof.nc - 1901334_tech.nc -

1901335 - Existing nc files

File : 1901335_meta.nc - 1901335_prof.nc - 1901335_tech.nc -

1901336 - Existing nc files

File : 1901336_meta.nc - 1901336_prof.nc - 1901336_tech.nc -

1901337 - Existing nc files

File : 1901337_meta.nc - 1901337_prof.nc - 1901337_tech.nc -

1901340 - Existing nc files

File : 1901340_meta.nc - 1901340_prof.nc - 1901340_tech.nc -

1901341 - Existing nc files

File : 1901341_meta.nc - 1901341_prof.nc - 1901341_tech.nc -

1901342 - Existing nc files

File : 1901342_meta.nc - 1901342_prof.nc - 1901342_tech.nc -

1901343 - Existing nc files

File : 1901343_meta.nc - 1901343_prof.nc - 1901343_tech.nc -

1901344 - Existing nc files

File : 1901344_meta.nc - 1901344_prof.nc - 1901344_tech.nc -

1901345 - Existing nc files

File : 1901345_meta.nc - 1901345_prof.nc - 1901345_tech.nc -

1901346 - Existing nc files

File : 1901346_meta.nc - 1901346_prof.nc - 1901346_tech.nc -

1901347 - Existing nc files

File : 1901347_meta.nc - 1901347_prof.nc - 1901347_tech.nc -

2901852 - Existing nc files

File : 2901852_meta.nc - 2901852_prof.nc - 2901852_tech.nc -

2901853 - Existing nc files

File : 2901853_meta.nc - 2901853_prof.nc - 2901853_tech.nc -

2901854 - Existing nc files

File : 2901854_meta.nc - 2901854_prof.nc - 2901854_tech.nc -

2901855 - Existing nc files

File : 2901855_meta.nc - 2901855_prof.nc - 2901855_tech.nc -

2901856 - Existing nc files

File : 2901856_meta.nc - 2901856_prof.nc - 2901856_tech.nc -

2901857 - Existing nc files

File : 2901857_meta.nc - 2901857_prof.nc - 2901857_tech.nc -

2901859 - Existing nc files

File : 2901859_meta.nc - 2901859_prof.nc - 2901859_tech.nc -

2901860 - Existing nc files

File : 2901860_meta.nc - 2901860_prof.nc - 2901860_tech.nc -

3901467 - Existing nc files

File : 3901467_meta.nc - 3901467_prof.nc - 3901467_tech.nc -

5900333 - Existing nc files

File : 5900333_meta.nc -

5900851 - Existing nc files

File : 5900851_meta.nc -

5900864 - Existing nc files

File : 5900864_meta.nc -

5901136 - Existing nc files

File : 5901136_meta.nc -

5901146 - Existing nc files

File : 5901146_meta.nc -

5903680 - Existing nc files

File : 5903680_meta.nc -

5903684 - Existing nc files

File : 5903684_meta.nc -

5903946 - Existing nc files

File : 5903946_meta.nc -

5904221 - Existing nc files

File : 5904221_meta.nc - 5904221_prof.nc - 5904221_tech.nc -

5904224 - Existing nc files

File : 5904224_meta.nc - 5904224_prof.nc - 5904224_tech.nc -

5904226 - Existing nc files

File : 5904226_meta.nc - 5904226_prof.nc - 5904226_tech.nc -

5904237 - Existing nc files

File : 5904237_meta.nc -

5904238 - Existing nc files

File : 5904238_meta.nc -

5904240 - Existing nc files

File : 5904240_meta.nc -

5904263 - Existing nc files

File : 5904263_meta.nc - 5904263_prof.nc - 5904263_tech.nc -

5904264 - Existing nc files

File : 5904264_meta.nc - 5904264_prof.nc - 5904264_tech.nc -

5904265 - Existing nc files

File : 5904265_meta.nc - 5904265_prof.nc - 5904265_tech.nc -

5904266 - Existing nc files

File : 5904266_meta.nc - 5904266_prof.nc - 5904266_tech.nc -

5904267 - Existing nc files

File : 5904267_meta.nc - 5904267_prof.nc - 5904267_tech.nc -

5904881 - Existing nc files

File : 5904881_meta.nc - 5904881_prof.nc - 5904881_tech.nc -

5904883 - Existing nc files

File : 5904928_meta.nc - 5904928_prof.nc - 5904928_tech.nc -

5904929 - Existing nc files

File : 5904929_meta.nc - 5904929_prof.nc - 5904929_tech.nc -

5904930 - Existing nc files

File : 5904930_meta.nc - 5904930_prof.nc - 5904930_tech.nc -

5904994 - Existing nc files

File : 5904994_meta.nc - 5904994_prof.nc - 5904994_tech.nc -

5904995 - Existing nc files

File : 5904995_meta.nc - 5904995_prof.nc - 5904995_tech.nc -

5904996 - Existing nc files

File : 5904996_meta.nc - 5904996_prof.nc - 5904996_tech.nc -

5904997 - Existing nc files

File : 5904997_meta.nc - 5904997_prof.nc - 5904997_tech.nc -

5904998 - Existing nc files

File : 5904998_meta.nc - 5904998_prof.nc - 5904998_tech.nc -

5904999 - Existing nc files

File : 5904999_meta.nc - 5904999_prof.nc - 5904999_tech.nc -

5905000 - Existing nc files

File : 5905000_meta.nc - 5905000_prof.nc - 5905000_tech.nc -

5905001 - Existing nc files

File : 5905001_meta.nc - 5905001_prof.nc - 5905001_tech.nc -

5905002 - Existing nc files

File : 5905002_meta.nc - 5905002_prof.nc - 5905002_tech.nc -

5905003 - Existing nc files

File : 5905003_meta.nc - 5905003_prof.nc - 5905003_tech.nc -

5905004 - Existing nc files

File : 5905004_meta.nc - 5905004_prof.nc - 5905004_tech.nc -

5905005 - Existing nc files

File : 5905005_meta.nc - 5905005_prof.nc - 5905005_tech.nc -

5905006 - Existing nc files

File : 5905006_meta.nc - 5905006_tech.nc -

7900390 - Existing nc files

File : 7900390_meta.nc - 7900390_prof.nc - 7900390_tech.nc -

7900391 - Existing nc files

File : 7900391_meta.nc - 7900391_prof.nc - 7900391_tech.nc -

7900392 - Existing nc files

File : 7900392_meta.nc - 7900392_prof.nc - 7900392_tech.nc -

7900393 - Existing nc files

File : 7900393_meta.nc - 7900393_prof.nc - 7900393_tech.nc -

7900394 - Existing nc files

File : 7900394_meta.nc - 7900394_prof.nc - 7900394_tech.nc -

7900395 - Existing nc files

File : 7900395_meta.nc - 7900395_prof.nc - 7900395_tech.nc -

7900396 - Existing nc files

File : 7900396_meta.nc - 7900396_prof.nc - 7900396_tech.nc -

7900397 - Existing nc files

File : 7900397_meta.nc - 7900397_prof.nc - 7900397_tech.nc -

7900398 - Existing nc files

File : 7900398_meta.nc - 7900398_prof.nc - 7900398_tech.nc -

7900602 - Existing nc files

File : 7900602_meta.nc - 7900602_prof.nc - 7900602_tech.nc -

7900603 - Existing nc files

File : 7900603_meta.nc - 7900603_prof.nc - 7900603_tech.nc -

7900604 - Existing nc files

File : 7900604_meta.nc - 7900604_prof.nc - 7900604_tech.nc -

7900605 - Existing nc files

File : 7900605_meta.nc - 7900605_prof.nc - 7900605_tech.nc -

7900606 - Existing nc files

File : 7900606_meta.nc - 7900606_prof.nc - 7900606_tech.nc -

7900607 - Existing nc files

File : 7900607_meta.nc - 7900607_prof.nc - 7900607_tech.nc -

7900608 - Existing nc files

File : 7900608_meta.nc - 7900608_prof.nc - 7900608_tech.nc -

7900609 - Existing nc files

File : 7900609_meta.nc - 7900609_prof.nc - 7900609_tech.nc -

7900610 - Existing nc files

File : 7900610_meta.nc - 7900610_prof.nc - 7900610_tech.nc -

7900611 - Existing nc files

File : 7900611_meta.nc - 7900611_prof.nc - 7900611_tech.nc -

7900612 - Existing nc files

File : 7900612_meta.nc - 7900612_prof.nc - 7900612_tech.nc -

7900613 - Existing nc files

File : 7900613_meta.nc - 7900613_prof.nc - 7900613_tech.nc -

7900614 - Existing nc files

File : 7900614_meta.nc - 7900614_prof.nc - 7900614_tech.nc

11.6. INCOIS

For some floats :

- tech.nc is missing (meta.nc, traj.nc and prof.nc files existing)
- traj.nc is missing (meta, prof, tech existing)
- multiprof.nc is missing (no profiles but tech, traj, meta exist)
- only meta file or only meta.nc + tech.nc (no monoprofile, no trajectory)

See below the list of floats with existing nc files :

DAC name : incois - Number of floats : 378	File : 2901352_meta.nc -
2900268 - Existing nc files	
File : 2900268_Rtraj.nc - 2900268_meta.nc - 2900268_prof.nc -	2902104 - Existing nc files
	File : 2902104_meta.nc -
2900275 - Existing nc files	
File : 2900275_Rtraj.nc - 2900275_meta.nc - 2900275_prof.nc -	2902126 - Existing nc files
	File : 2902126_Rtraj.nc - 2902126_meta.nc - 2902126_tech.nc -
2900763 - Existing nc files	
File : 2900763_Rtraj.nc - 2900763_meta.nc -	2902144 - Existing nc files
	File : 2902144_meta.nc -
2900772 - Existing nc files	
File : 2900772_Rtraj.nc - 2900772_meta.nc -	2902145 - Existing nc files
	File : 2902145_meta.nc -
2900775 - Existing nc files	
File : 2900775_Rtraj.nc - 2900775_meta.nc -	2902176 - Existing nc files
	File : 2902176_meta.nc -
2901295 - Existing nc files	
File : 2901295_meta.nc -	7654321 - Existing nc files
	File : 7654321_meta.nc - 7654321_prof.nc
2901352 - Existing nc files	

11.7. JMA

Feedback sent by Wataru.(few months ago)

Checking of the status of each float. The details and their WMO ID are as follows.

-No profile data are available: 11 floats

2900748	2902455	4902032
2901030	2902469	5900277
2901068	2902521	7900656
2901657	4900293	

-Deep NINJA: 14 floats

in preparation for data release and profile files will be sent to GDACs by the end of this month

2902508	7900600	7900655
2902509	7900601	7900657
2902510	7900652	7900658
5904937	7900653	7900660
7900599	7900654	

-Others : 8 floats

need further investigation

For some floats :

- tech.nc and/or traj.nc are missing (only meta.nc and prof.nc files)
- traj.nc is missing
- only meta file and/or tech file (no monoprofile, no trajectory)

See below the list of floats with existing nc files :

DAC name : jma - Number of floats : 1416

2900748 - Existing nc files

File : 2900748_meta.nc -

2901000 - Existing nc files

File : 2901000_meta.nc -

2901030 - Existing nc files

File : 2901030_meta.nc -

2901068 - Existing nc files

File : 2901068_meta.nc -

2901657 - Existing nc files

File : 2901657_meta.nc -

2901998 - Existing nc files

File : 2901998_meta.nc - 2901998_prof.nc -

2902408 - Existing nc files

File : 2902408_meta.nc -

2902409 - Existing nc files

File : 2902409_meta.nc -

2902455 - Existing nc files

File : 2902455_Rtraj.nc - 2902455_meta.nc - 2902455_tech.nc -

2902469 - Existing nc files

File : 2902469_Rtraj.nc - 2902469_meta.nc - 2902469_tech.nc -

2902508 - Existing nc files

File : 2902508_meta.nc - 2902508_prof.nc -

2902509 - Existing nc files

File : 2902509_meta.nc - 2902509_prof.nc -

2902510 - Existing nc files

File : 2902510_meta.nc - 2902510_prof.nc -

2902521 - Existing nc files

File : 2902521_meta.nc -

2902529 - Existing nc files

File : 2902529_Mprof.nc - 2902529_meta.nc - 2902529_prof.nc -

2902530 - Existing nc files

File : 2902530_Mprof.nc - 2902530_meta.nc - 2902530_prof.nc -

3900854 - Existing nc files

File : 3900854_meta.nc - 3900854_prof.nc - 3900854_tech.nc -

4900293 - Existing nc files

File : 4900293_Rtraj.nc - 4900293_meta.nc - 4900293_tech.nc -

4902032 - Existing nc files

File : 4902032_meta.nc -

5900277 - Existing nc files

File : 5900277_Rtraj.nc - 5900277_meta.nc - 5900277_tech.nc -

5901582 - Existing nc files

File : 5901582_meta.nc - 5901582_prof.nc - 5901582_tech.nc -

5904937 - Existing nc files

File : 5904937_meta.nc - 5904937_prof.nc -

7900024 - Existing nc files

File : 7900024_Rtraj.nc - 7900024_meta.nc - 7900024_tech.nc -

7900025 - Existing nc files

File : 7900025_Rtraj.nc - 7900025_meta.nc - 7900025_tech.nc -

7900599 - Existing nc files

File : 7900599_meta.nc - 7900599_prof.nc -

7900600 - Existing nc files

File : 7900600_meta.nc - 7900600_prof.nc -

7900601 - Existing nc files

File : 7900601_meta.nc - 7900601_prof.nc -

7900652 - Existing nc files

File : 7900652_meta.nc - 7900652_prof.nc -

7900653 - Existing nc files

File : 7900653_meta.nc - 7900653_prof.nc -

7900654 - Existing nc files

File : 7900654_meta.nc - 7900654_prof.nc -

7900655 - Existing nc files

File : 7900655_meta.nc - 7900655_prof.nc -

7900656 - Existing nc files

File : 7900656_meta.nc -

7900657 - Existing nc files

File : 7900657_meta.nc - 7900657_prof.nc -

7900658 - Existing nc files

File : 7900658_meta.nc - 7900658_prof.nc -

7900660 - Existing nc files

File : 7900660_meta.nc - 7900660_prof.nc -

11.8. KMA

For some floats :

- tech.nc is missing (meta.nc, traj.nc and prof.nc files existing)

- multiprof.nc is missing (no profiles but tech, traj, meta exist)
- only meta file (no monopofile, no trajectory, no tech file)

See below the list of floats with existing nc files :

DAC name : kma - Number of floats : 203

2900198 - Existing nc files
File : 2900198_meta.nc -

2900310 - Existing nc files
File : 2900310_meta.nc -

2900893 - Existing nc files
File : 2900893_meta.nc -

2901213 - Existing nc files
File : 2901213_Rtraj.nc - 2901213_meta.nc - 2901213_prof.nc -

2901705 - Existing nc files
File : 2901705_Rtraj.nc - 2901705_meta.nc - 2901705_tech.nc -

2901731 - Existing nc files
File : 2901731_meta.nc -

2901744 - Existing nc files
File : 2901744_Rtraj.nc - 2901744_meta.nc - 2901744_tech.nc -

5900137 - Existing nc files
File : 5900137_meta.nc -

5900140 - Existing nc files
File : 5900140_meta.nc -

5900141 - Existing nc files
File : 5900141_meta.nc -

5900142 - Existing nc files
File : 5900142_meta.nc

11.9. KORDI

For some floats :

- tech.nc is missing (meta.nc, traj.nc and prof.nc files existing)
- only meta and traj files (no monopofile, no tech.nc)

See below the list of floats with existing nc files :

DAC name : kordi - Number of floats : 121

2900793 - Existing nc files
File : 2900793_Rtraj.nc - 2900793_meta.nc - 2900793_prof.nc -

3900078 - Existing nc files
File : 3900078_Rtraj.nc - 3900078_meta.nc -

3900079 - Existing nc files
File : 3900079_Rtraj.nc - 3900079_meta.nc -

3900081 - Existing nc files
File : 3900081_Rtraj.nc - 3900081_meta.nc

Files in real time :

2900204 : Some positions are with values **-999** instead of the FillValue "99999" and POSITION_QC = "1".
Ex. Cycles 92-179-223-286

11.10. MEDS

For some floats :

- only meta file (no monopofile)
- traj file missing

See below the list of floats with existing nc files :

DAC name : meds - Number of floats : 411

4900079 - Existing nc files

File : 4900079_meta.nc -

4900114 - Existing nc files

File : 4900114_meta.nc -

4900527 - Existing nc files

File : 4900527_meta.nc -

4900529 - Existing nc files

File : 4900529_meta.nc -

4901184 - Existing nc files

File : 4901184_meta.nc -

4901197 - Existing nc files

File : 4901197_meta.nc -

4901757 - Existing nc files

File : 4901757_meta.nc -

4901760 - Existing nc files

File : 4901760_meta.nc -

4901796 - Existing nc files

File : 4901796_meta.nc -

4901807 - Existing nc files

File : 4901807_meta.nc - 4901807_prof.nc - 4901807_tech.nc -

4901808 - Existing nc files

File : 4901808_meta.nc

11.11. NMDIS

For some floats :

-

See below the list of floats with existing nc files :

DAC name : nmdis - Number of floats : 21

12. Delayed Mode anomalies (adjusted fields)

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

12.1. AOML

12.2. BODC – problem n°1

ADJUSTED pressure exists (except error) but not the others parameters (still in progress) – ADJUSTED_ERROR also empty

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 ;

```
PRES_ADJUSTED_ERROR = _____;
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

APEX - 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

- Error on salinity_adjusted 0.000 ?? floats 2900170 - 2900171

netcdf D2900171_067 {

```
PSAL_ADJUSTED_ERROR =
  0.000, 0.000, 0.000, 0.000, 0.000, 0.000, .....
```

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

R7900236_169,

netcdf R7900236_169 {

```
DATE_CREATION = "20141208015125" ;
DATE_UPDATE = "20141208202130" ;
DATA_MODE = "R" ;
PRES_ADJUSTED =
  5.3, 15.4, 25.5, 35.5, 45.1, 55.0, 65.6, 75.7, 85.3, 95.7, 105.8, 115.5, 125.8, 135.2, 145.2, 155.4,
  165.1, 175.6, 185.0, 194.9, 205.4, 220.1, 235.1, 250.0, 265.0, 280.2, 295.5, 310.4, 325.3, 340.1, 355.3, 370.6,
  385.2, 400.6, 420.6, 440.1, 460.3, 480.6, 500.6, 520.1, 540.4, 560.0, 580.6, 600.5, 620.5, 640.1, 660.3 ;
TEMP_ADJUSTED = _ _ _ _ _ ;
PSAL_ADJUSTED = _ _ _ _ _ ;
}
```

No Error on PRES_ADJUSTED

```
PRES_ADJUSTED_ERROR =
_ _ _ _ _ ;
```

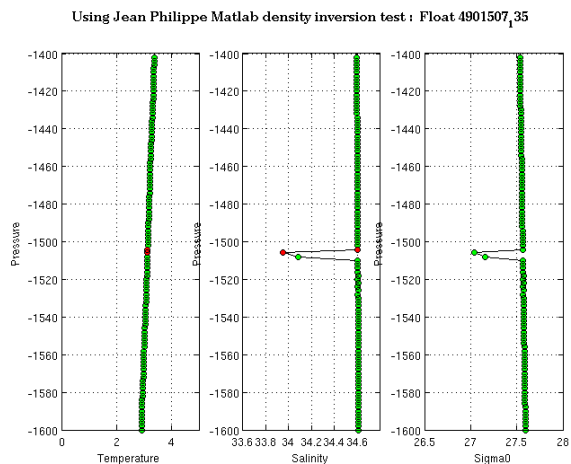
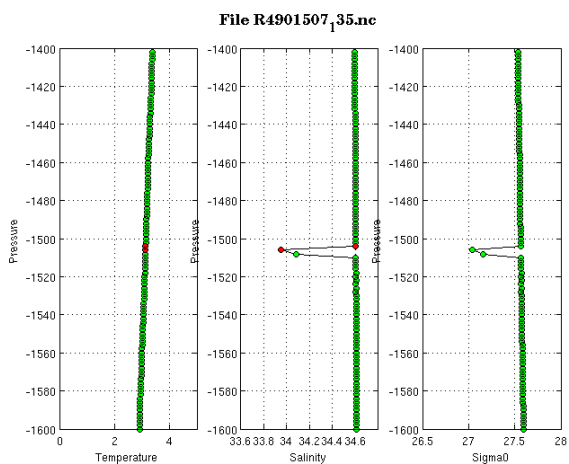
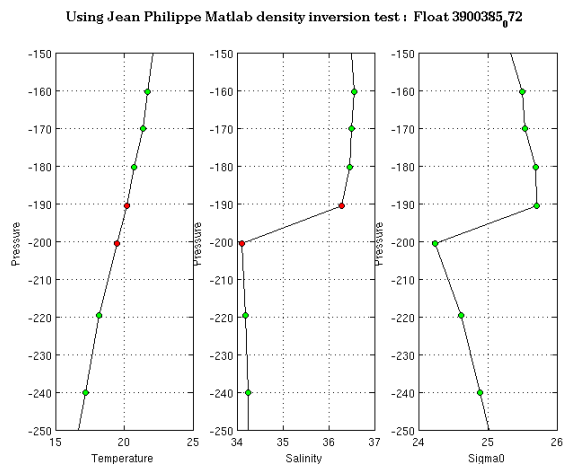
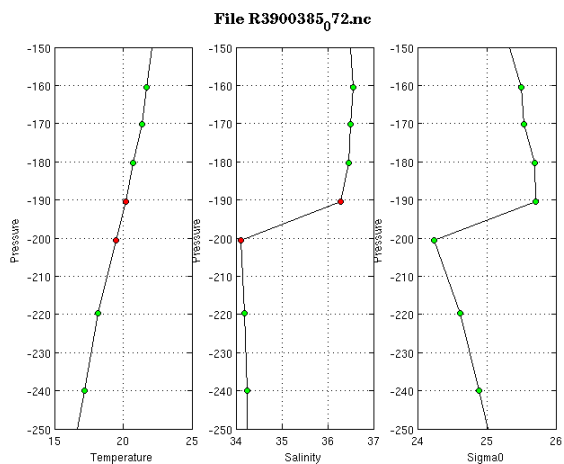
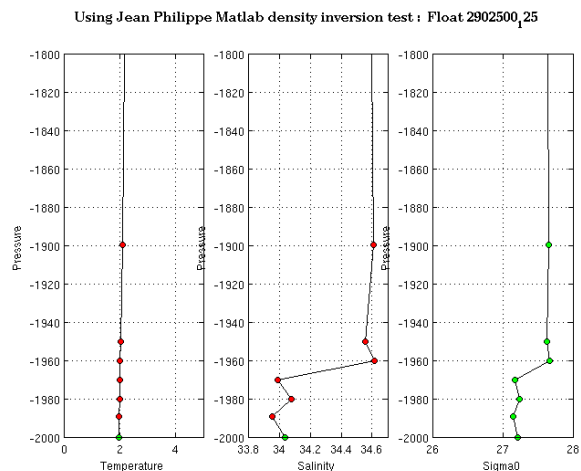
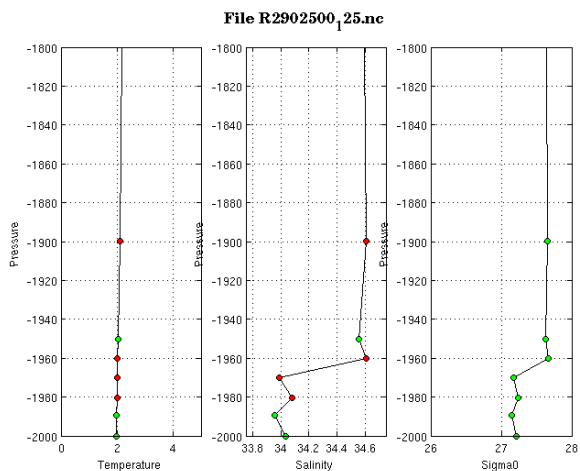
No information about calibration done on PRES

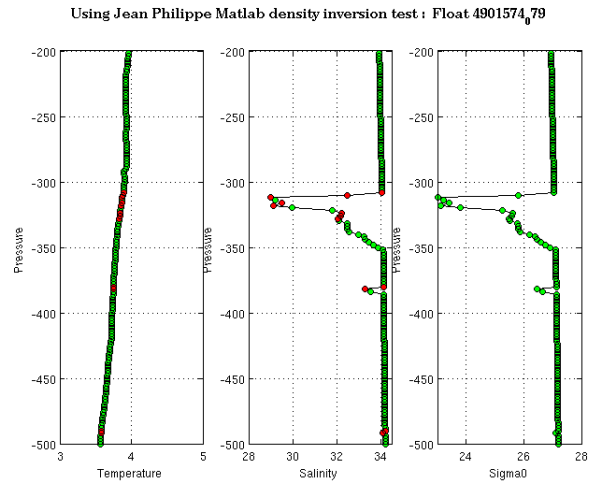
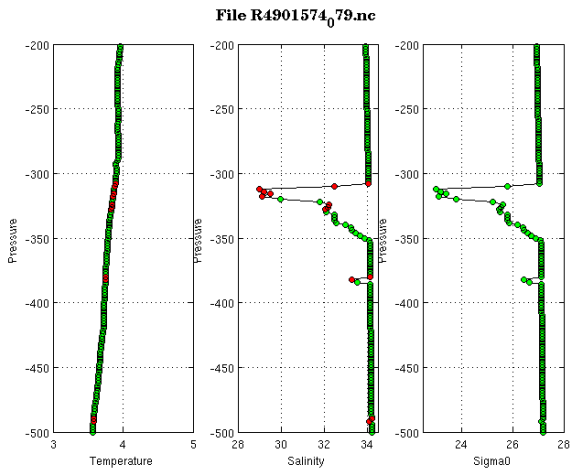
```
SCIENTIFIC_CALIB_EQUATION =
```

```
" ,
```


13. Automatic Tests (ADMT16)

1. Density inversion tests – Comparison between DACs' results (left column) and Matlab program developed by Jean Philippe Rannou at Coriolis (right column)

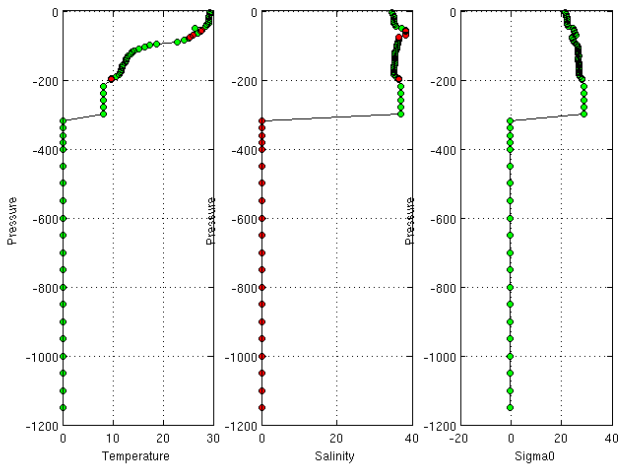




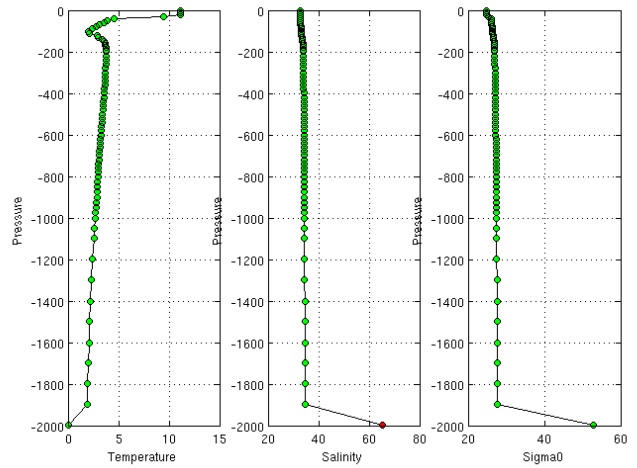
Results show that density inversion test is not enough to catch some bad data that are not also caught by other tests. Some DACs need however to check their codes.

2. Strange profiles going through all the automatic tests :

Warning Objective Analysis Anomalies 2015 October TEMP PSAL : DAC AO- Float 1901504-162



Warning Objective Analysis Anomalies 2015 October TEMP PSAL : DAC KM- Float 2901715-78

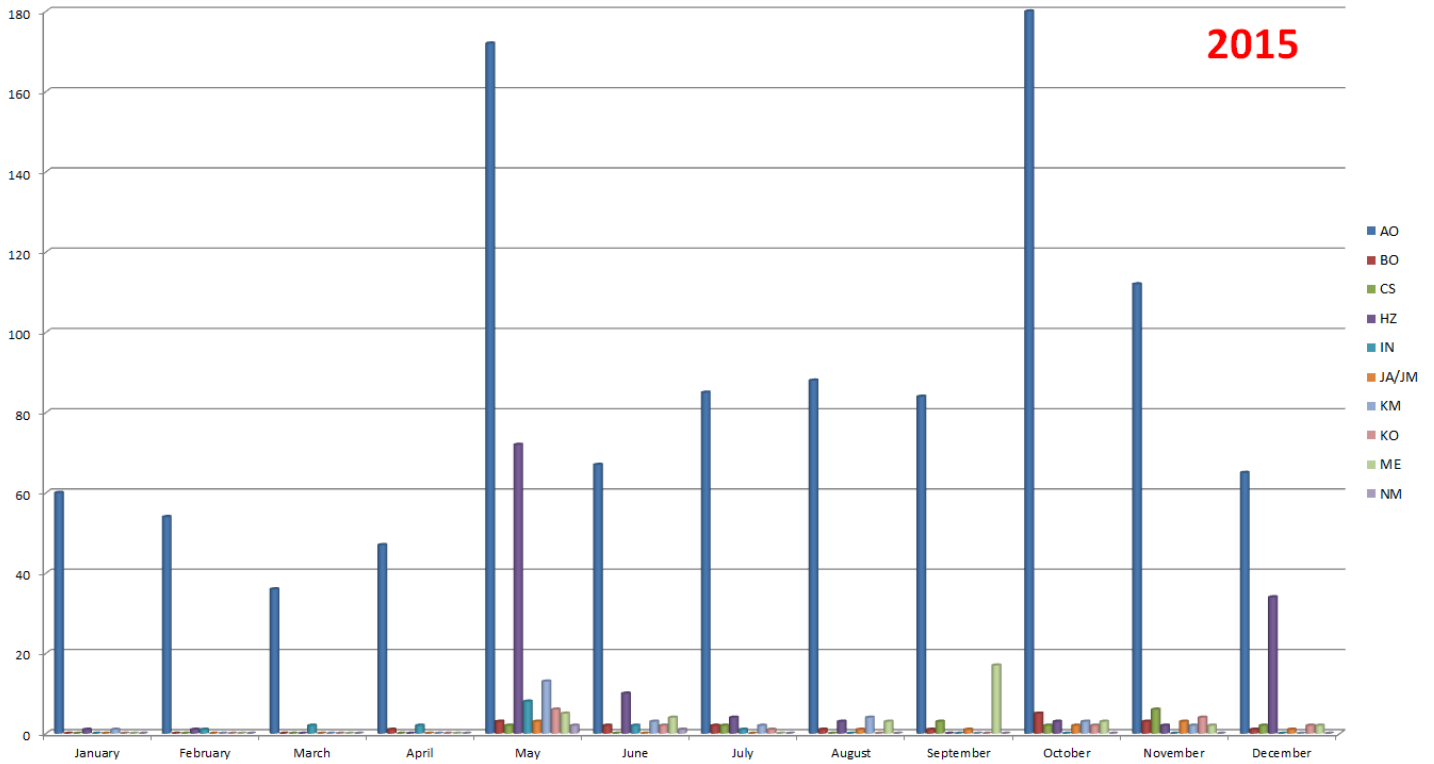


Some profiles have temperature measurements with the zero values which are not good but they did not fail with any test.

14. Statistics

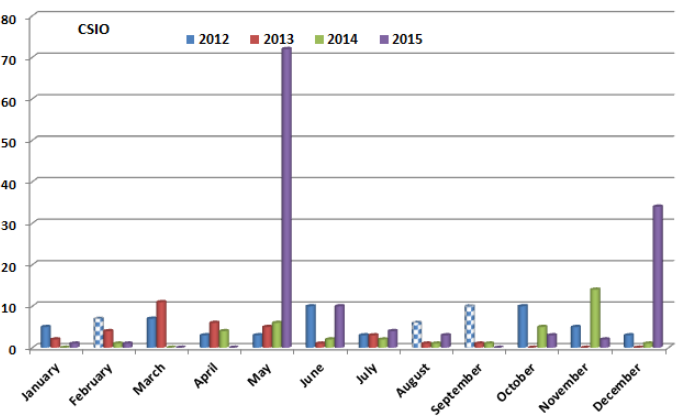
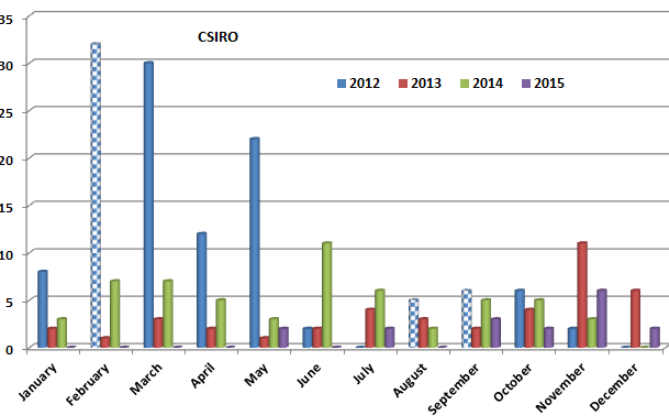
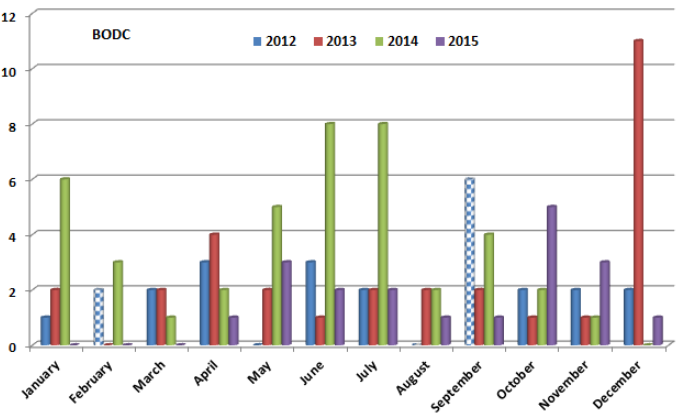
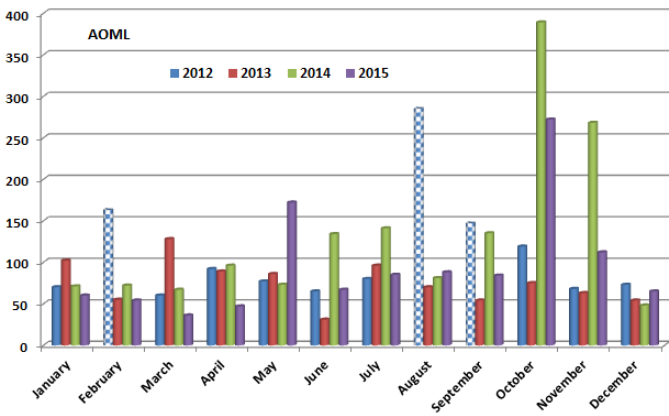
Plots showing evolution of number of anomalies by DAC.

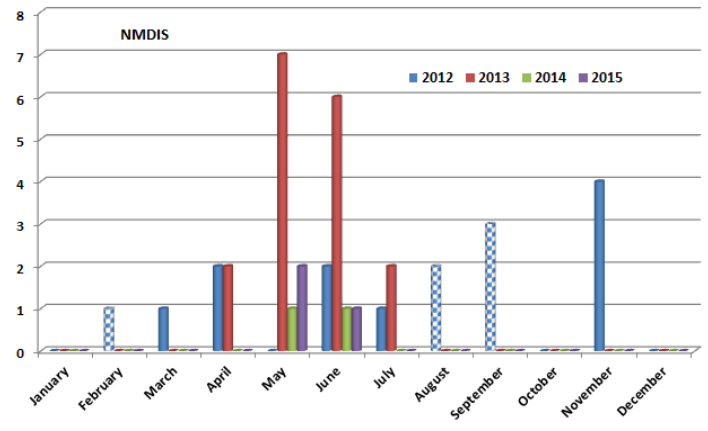
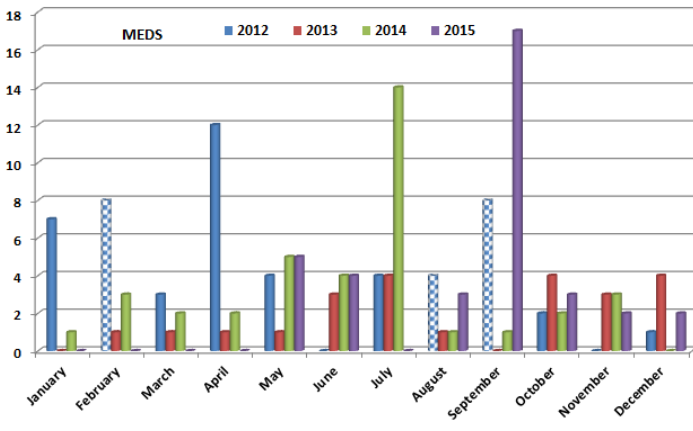
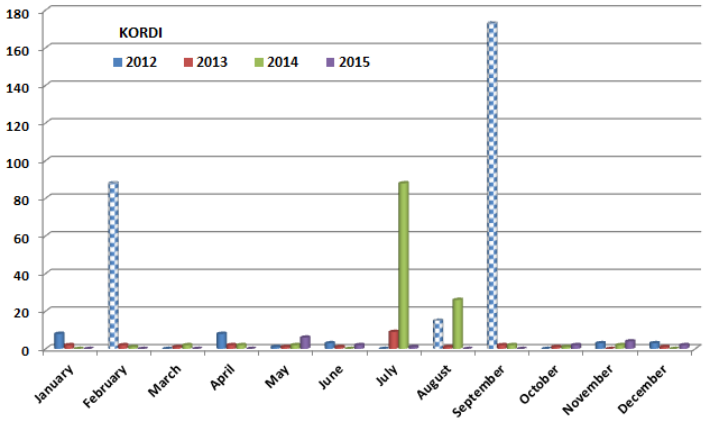
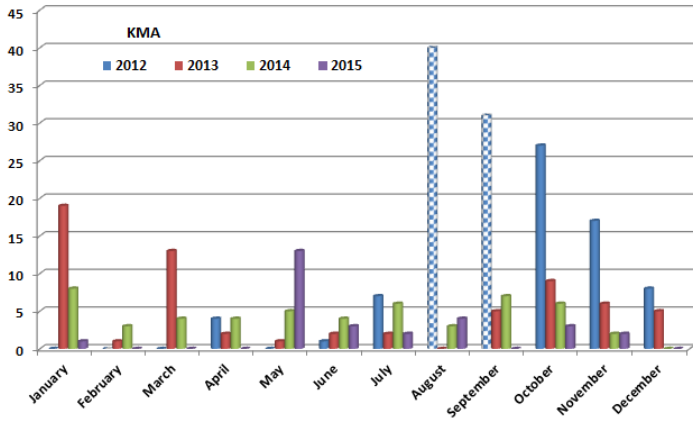
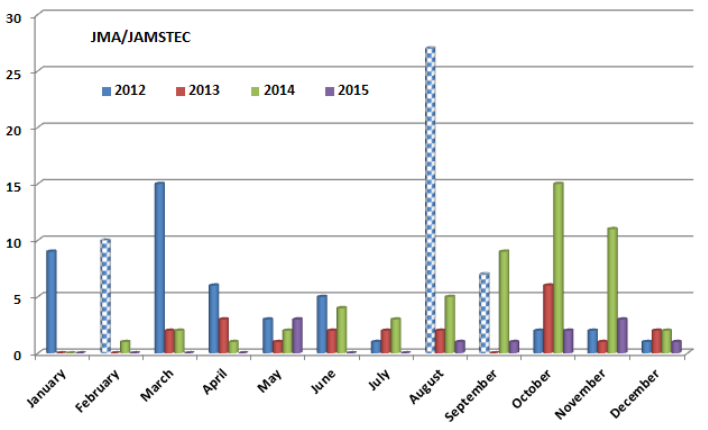
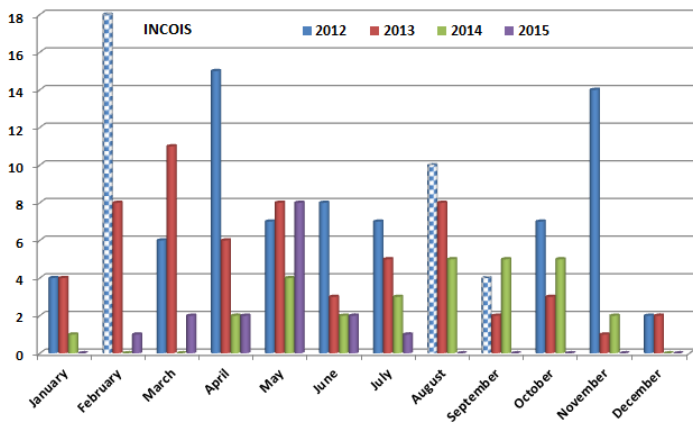
14.1. Year



Year 2015

14.2. DAC





14.3. Anomalies by year, by month

