



Anomalies on Argo profiles

From warning objective analysis, netcdf file analysis

Format version

September 2016

Christine Coatanoan-Girou

Coriolis

Anomalies by DAC

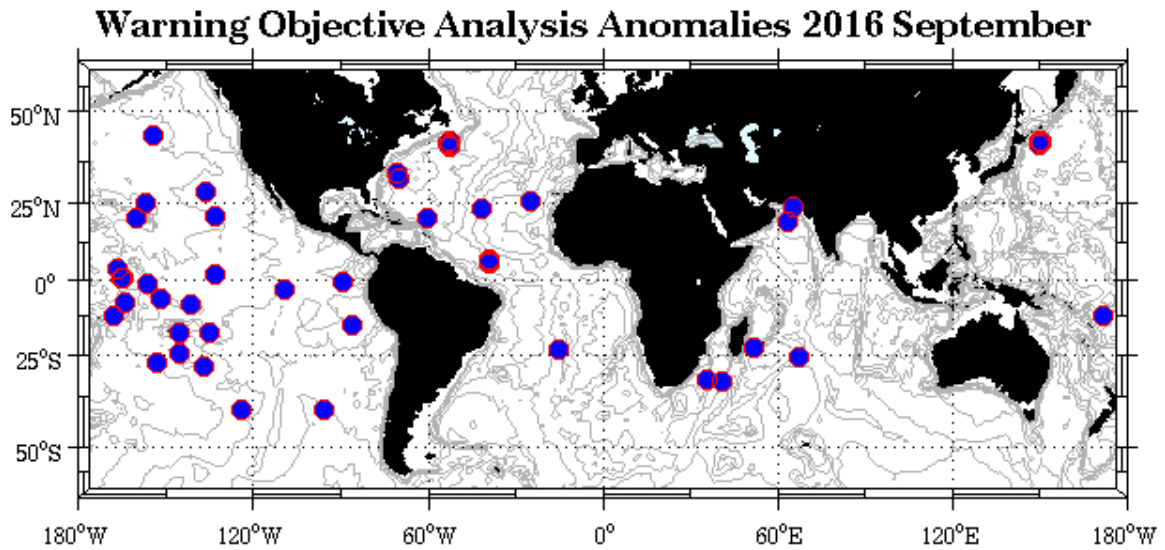
Summary

1.	DAC AOML	5
2.	DAC BODC	12
3.	DAC CSIO	14
4.	DAC CSIRO	16
5.	DAC INCOIS	18
6.	DAC JMA/JAMSTEC	19
7.	DAC KMA	21
8.	DAC KORDI	23
9.	DAC MEDS	24
10.	DAC NMDIS	26
11.	File anomalies (GDAC – Real time)	27
11.1.	AOML	27
11.2.	BODC	30
11.3.	CORIOLIS	32
11.4.	CSIO	33
11.5.	CSIRO	34
11.6.	INCOIS	34
11.7.	JMA	35
11.8.	KMA	36
11.9.	KORDI	36
11.10.	MEDS	36
11.11.	NMDIS	37
12.	Delayed Mode anomalies (adjusted fields) – date mode = 'A' or 'D'	37
12.1.	AOML	37
12.2.	BODC	37
12.3.	CSIO	37
12.4.	CSIRO	37
12.5.	INCOIS	37
12.6.	JMA/JAMSTEC	37
12.7.	KMA	37
12.8.	NMDIS	38

13.	Automatic Tests (June's version)	39
14.	Statistics on floats and format version	40
15.	Statistics on anomalies	41
15.1.	Year	41
15.2.	DAC	41
15.3.	Anomalies by year, by month	43

1. DAC AOML

Profiles detected by the objective analysis:53 profiles



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

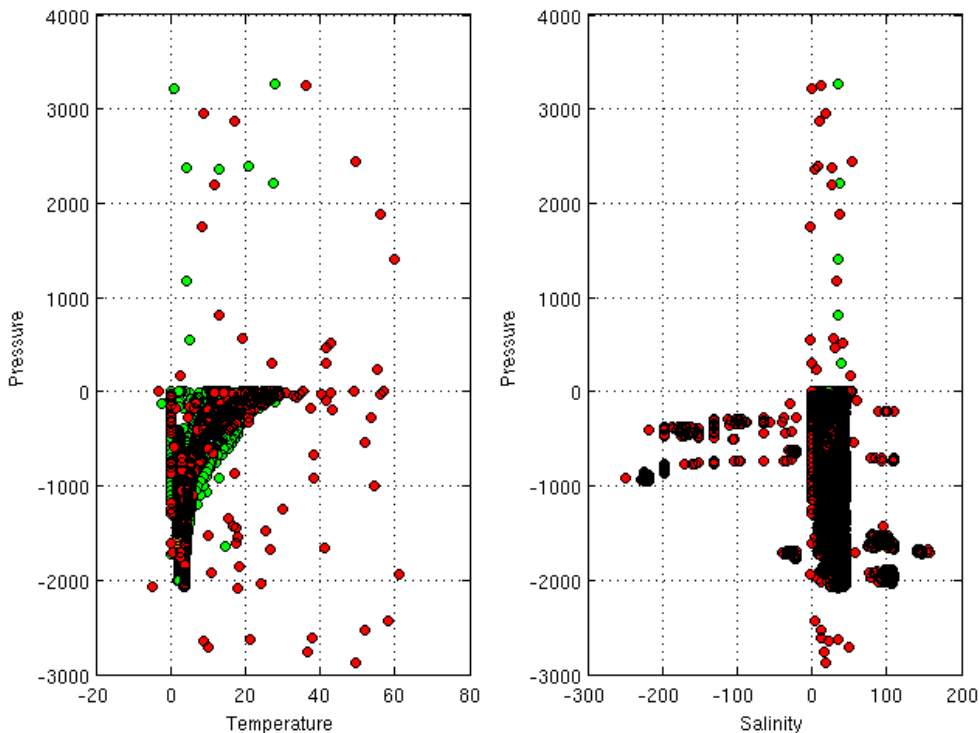
In blue: floats with multipfiles.

- Float : 1900998 - Cycle : 246 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2016 8 29
- Float : 1901504 - Cycle : 196 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2016 9 7
- Float : 1901504 - Cycle : 197 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2016 9 17
- Float : 1901504 - Cycle : 198 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2016 9 27
- Float : 2901466 - Cycle : 223 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2016 9 6
- Float : 2901466 - Cycle : 226 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2016 9 18
- Float : 2902061 - Cycle : 77 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2016 9 25
- Float : 3900335 - Cycle : 369 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2016 8 29
- Float : 3900762 - Cycle : 210 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2016 9 9
- Float : 3900844 - Cycle : 316 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2016 9 25
- Float : 3900845 - Cycle : 316 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2016 9 25
- Float : 4901435 - Cycle : 171 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2016 9 26
- Float : 4901454 - Cycle : 135 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2016 9 21
- Float : 4901555 - Cycle : 121 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2016 9 20
- Float : 4901707 - Cycle : 141 - PI : BRECK OWENS, STEVEN JAYNE, P.E. ROBBINS - Data mode : R - INST REF : - Date : 2016 8 31
- Float : 4901707 - Cycle : 142 - PI : BRECK OWENS, STEVEN JAYNE, P.E. ROBBINS - Data mode : R - INST REF : - Date : 2016 9 5
- Float : 4901707 - Cycle : 143 - PI : BRECK OWENS, STEVEN JAYNE, P.E. ROBBINS - Data mode : R - INST REF : - Date : 2016 9 10
- Float : 4901707 - Cycle : 144 - PI : BRECK OWENS, STEVEN JAYNE, P.E. ROBBINS - Data mode : R - INST REF : - Date : 2016 9 15
- Float : 4901707 - Cycle : 145 - PI : BRECK OWENS, STEVEN JAYNE, P.E. ROBBINS - Data mode : R - INST REF : - Date : 2016 9 20
- Float : 4902095 - Cycle : 261 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2016 9 10
- Float : 4902095 - Cycle : 267 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2016 9 22
- Float : 4902300 - Cycle : 20 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2016 9 13
- Float : 5901895 - Cycle : 286 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2016 9 14
- Float : 5901897 - Cycle : 286 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2016 9 15
- Float : 5902078 - Cycle : 283 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 3944 - Date : 2016 9 8
- Float : 5902092 - Cycle : 274 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2016 4 15
- Float : 5902092 - Cycle : 276 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2016 5 5
- Float : 5902092 - Cycle : 288 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2016 9 4
- Float : 5902092 - Cycle : 289 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2016 9 14
- Float : 5902092 - Cycle : 290 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2016 9 24
- Float : 5903424 - Cycle : 177 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 4932 - Date : 2016 9 12
- Float : 5903558 - Cycle : 196 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2016 9 1
- Float : 5903558 - Cycle : 197 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2016 9 11
- Float : 5903558 - Cycle : 198 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2016 9 21
- Float : 5903598 - Cycle : 175 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2016 9 3
- Float : 5903800 - Cycle : 184 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2016 9 6
- Float : 5903903 - Cycle : 141 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 5989 - Date : 2016 9 22
- Float : 5903974 - Cycle : 136 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 5849 - Date : 2016 9 6
- Float : 5903977 - Cycle : 137 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6118 - Date : 2016 9 13
- Float : 5903978 - Cycle : 136 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6119 - Date : 2016 9 2
- Float : 5903999 - Cycle : 198 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 5585 - Date : 2016 9 5
- Float : 5904005 - Cycle : 197 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6003 - Date : 2016 8 13
- Float : 5904057 - Cycle : 94 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2016 9 23

Float : 5904325 - Cycle : 271 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2016 9 24

- Float : 5904398 - Cycle : 76 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6122 - Date : 2016 9 14
- Float : 5904401 - Cycle : 76 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6930 - Date : 2016 9 13
- Float : 5904402 - Cycle : 75 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6931 - Date : 2016 9 6
- Float : 5904406 - Cycle : 78 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6935 - Date : 2016 9 3
- Float : 5904406 - Cycle : 79 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6935 - Date : 2016 9 13
- Float : 5904449 - Cycle : 66 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6950 - Date : 2016 9 7
- Float : 5904454 - Cycle : 68 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6924 - Date : 2016 9 16
- Float : 5904456 - Cycle : 68 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6925 - Date : 2016 9 13

Warning Objective Analysis Anomalies 2016 September TEMP PSAL - DAC AO



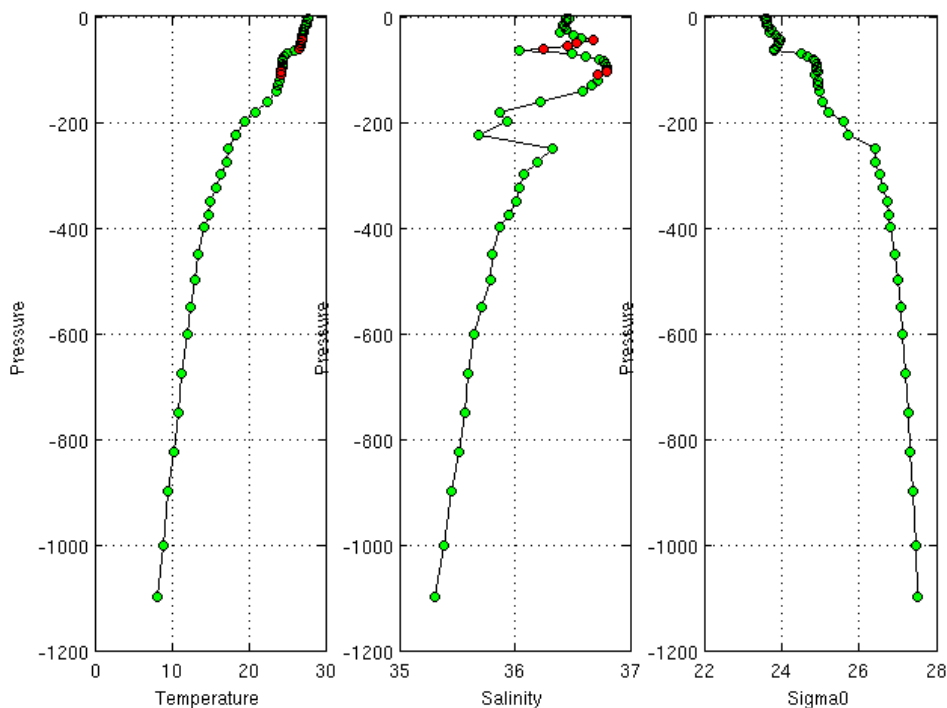
DAC_CODE	PLATFORM_CODE	CV_NUMBER	DATE_UPDATE	DIRECTION	WEB_URL	PARAMETER	START_IMMERSION	STOP_IMMERSION	OLD_QC	NEW_QC																							
AO,1900998,246,30/08/2016 00:00:00,A, http://www.ifremer.fr/co-argoFloats/station?stationId=45064645 ,PSAL,85,85,1,4	AO,1900998,246,30/08/2016 00:00:00,A, http://www.ifremer.fr/co-argoFloats/station?stationId=45064645 ,TEMP,85,85,1,4	AO,1901504,196,08/09/2016 00:00:00,A, http://www.ifremer.fr/co-argoFloats/station?stationId=45133388 ,TEMP,150,1150,1,4	AO,1901504,196,08/09/2016 00:00:00,A, http://www.ifremer.fr/co-argoFloats/station?stationId=45133388 ,TEMP,60,90,1,4	AO,1901504,197,18/09/2016 00:00:00,A, http://www.ifremer.fr/co-argoFloats/station?stationId=45254356 ,PSAL,135,135,1,4	AO,1901504,197,18/09/2016 00:00:00,A, http://www.ifremer.fr/co-argoFloats/station?stationId=45254356 ,PSAL,40,45,1,4	AO,1901504,197,18/09/2016 00:00:00,A, http://www.ifremer.fr/co-argoFloats/station?stationId=45254356 ,PSAL,5,25,1,4	AO,1901504,197,18/09/2016 00:00:00,A, http://www.ifremer.fr/co-argoFloats/station?stationId=45254356 ,PSAL,95,120,1,4	AO,1901504,197,18/09/2016 00:00:00,A, http://www.ifremer.fr/co-argoFloats/station?stationId=45254356 ,TEMP,105,120,1,4	AO,1901504,197,18/09/2016 00:00:00,A, http://www.ifremer.fr/co-argoFloats/station?stationId=45254356 ,TEMP,135,1150,1,4	AO,1901504,197,18/09/2016 00:00:00,A, http://www.ifremer.fr/co-argoFloats/station?stationId=45254356 ,TEMP,5,25,1,4	AO,1901504,197,18/09/2016 00:00:00,A, http://www.ifremer.fr/co-argoFloats/station?stationId=45254356 ,TEMP,60,80,1,4	AO,1901504,198,28/09/2016 00:00:00,A, http://www.ifremer.fr/co-argoFloats/station?stationId=45341181 ,PSAL,5,45,4,3	AO,1901504,198,28/09/2016 00:00:00,A, http://www.ifremer.fr/co-argoFloats/station?stationId=45341181 ,TEMP,5,30,1,3	AO,2901466,223,07/09/2016 00:00:00,A, http://www.ifremer.fr/co-argoFloats/station?stationId=45130140 ,PSAL,1199.9,1199.9,1,4	AO,2901466,226,19/09/2016 00:00:00,A, http://www.ifremer.fr/co-argoFloats/station?stationId=45257358 ,PSAL,225.7,250.3,1,4	AO,2901466,226,19/09/2016 00:00:00,A, http://www.ifremer.fr/co-argoFloats/station?stationId=45257358 ,PSAL,64.2,64.2,1,4	AO,2902061,77,25/09/2016 00:00:00,A, http://www.ifremer.fr/co-argoFloats/station?stationId=45308345 ,PSAL,199.6,249.8,1,3	AO,3900335,369,30/08/2016 00:00:00,A, http://www.ifremer.fr/co-argoFloats/station?stationId=45064654 ,PSAL,219.3,219.3,1,4	AO,3900335,369,30/08/2016 00:00:00,A, http://www.ifremer.fr/co-argoFloats/station?stationId=45064654 ,PSAL,249.3,268.9,1,4	AO,3900335,369,30/08/2016 00:00:00,A, http://www.ifremer.fr/co-argoFloats/station?stationId=45064654 ,PSAL,329.2,339.1,1,4	AO,3900335,369,30/08/2016 00:00:00,A, http://www.ifremer.fr/co-argoFloats/station?stationId=45064654 ,PSAL,449,449,1,4	AO,3900762,210,10/09/2016 00:00:00,A, http://www.ifremer.fr/co-argoFloats/station?stationId=45164010 ,PSAL,550,550,1,4	AO,3900844,316,26/09/2016 00:00:00,A, http://www.ifremer.fr/co-argoFloats/station?stationId=45308602 ,PSAL,-301.1,-301.1,1,4	AO,3900844,316,26/09/2016 00:00:00,A, http://www.ifremer.fr/co-argoFloats/station?stationId=45308602 ,PSAL,0,2000.4,1,4	AO,3900844,316,26/09/2016 00:00:00,A, http://www.ifremer.fr/co-argoFloats/station?stationId=45308602 ,PSAL,239.7,250,1,4	AO,3900844,316,26/09/2016 00:00:00,A, http://www.ifremer.fr/co-argoFloats/station?stationId=45308602 ,PSAL,349.1,749.8,1,4	AO,3900844,316,26/09/2016 00:00:00,A, http://www.ifremer.fr/co-argoFloats/station?stationId=45308602 ,TEMP,0,0,1,4	AO,3900844,316,26/09/2016 00:00:00,A, http://www.ifremer.fr/co-argoFloats/station?stationId=45308602 ,TEMP,0,799.9,1,4	AO,3900844,316,26/09/2016 00:00:00,A, http://www.ifremer.fr/co-argoFloats/station?stationId=45308602 ,TEMP,104.2,104.2,1,4	AO,3900845,316,26/09/2016 00:00:00,A, http://www.ifremer.fr/co-argoFloats/station?stationId=45311646 ,PSAL,-2215.4,149.3,1,4	AO,3900845,316,26/09/2016 00:00:00,A, http://www.ifremer.fr/co-argoFloats/station?stationId=45311646 ,PSAL,-3270.7,-3270.7,1,4	AO,3900845,316,26/09/2016 00:00:00,A, http://www.ifremer.fr/co-argoFloats/station?stationId=45311646 ,PSAL,0,0,1,4	AO,3900845,316,26/09/2016 00:00:00,A, http://www.ifremer.fr/co-argoFloats/station?stationId=45311646 ,TEMP,-2215.4,-2215.4,1,4

AO,5904406,78,05/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45120747 ,TEMP,-2420.7,2079.8,1,4
 AO,5904406,78,05/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45120747 ,TEMP,-2762.4,446.9,1,4
 AO,5904406,78,05/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45120747 ,TEMP,0,0,1,4
 AO,5904406,78,05/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45120747 ,TEMP,103.2,103.2,1,4
 AO,5904406,78,05/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45120747 ,TEMP,205,275.5,1,4
 AO,5904406,78,05/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45120747 ,TEMP,2184.2,2184.2,1,4
 AO,5904406,78,05/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45120747 ,TEMP,5.2,1524.8,1,4
 AO,5904406,79,14/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45216916 ,TEMP,-125,-125,1,4
 AO,5904406,79,14/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45216916 ,TEMP,-3115.9,-3115.9,1,4
 AO,5904406,79,14/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45216916 ,TEMP,103.4,103.4,1,4
 AO,5904406,79,14/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45216916 ,TEMP,239.9,239.9,1,4
 AO,5904406,79,14/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45216916 ,TEMP,277.1,277.1,1,4
 AO,5904406,79,14/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45216916 ,TEMP,334.4,334.4,1,4
 AO,5904406,79,14/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45216916 ,TEMP,414.5,414.5,1,4
 AO,5904449,66,08/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45133431 ,PSAL,20.9,20.9,1,4
 AO,5904449,66,08/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45133431 ,TEMP,249.2,249.2,1,4
 AO,5904449,66,08/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45133431 ,TEMP,27.3,133.2,1,4
 AO,5904454,68,16/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45235778 ,PSAL,-572.6,-572.6,1,4
 AO,5904454,68,16/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45235778 ,PSAL,-956.9,-956.9,1,4
 AO,5904454,68,16/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45235778 ,PSAL,272.3,272.3,1,4
 AO,5904454,68,16/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45235778 ,PSAL,625.2,625.2,1,4
 AO,5904454,68,16/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45235778 ,TEMP,-1022.4,-50.9,1,4
 AO,5904454,68,16/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45235778 ,TEMP,-572.6,-572.6,1,4
 AO,5904454,68,16/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45235778 ,TEMP,-956.9,-956.9,1,4
 AO,5904454,68,16/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45235778 ,TEMP,0,0,1,4
 AO,5904454,68,16/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45235778 ,TEMP,625.2,625.2,1,4
 AO,5904454,68,16/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45235778 ,TEMP,78.1,78.1,1,4
 AO,5904454,68,16/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45235779 ,TEMP,1.7,2.7,1,4
 AO,5904454,68,16/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45235779 ,TEMP,20.1,20.1,1,4
 AO,5904456,68,14/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45213795 ,TEMP,-266.7,-266.7,1,4
 AO,5904456,68,14/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45213795 ,TEMP,-3169,279.1,1,4
 AO,5904456,68,14/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45213795 ,TEMP,0,0,1,1
 AO,5904456,68,14/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45213795 ,TEMP,0,193.2,1,1
 AO,5904456,68,14/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45213795 ,TEMP,11.6,11.6,1,4
 AO,5904456,68,14/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45213795 ,TEMP,1765.5,1765.5,1,4
 AO,5904456,68,14/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45213795 ,TEMP,189,189,1,4
 AO,5904456,68,14/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45213795 ,TEMP,207.4,400,1,4
 AO,5904456,68,14/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45213795 ,TEMP,50.3,50.3,1,4
 AO,5904620,37,21/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45283414 ,PSAL,408.2,408.2,1,4

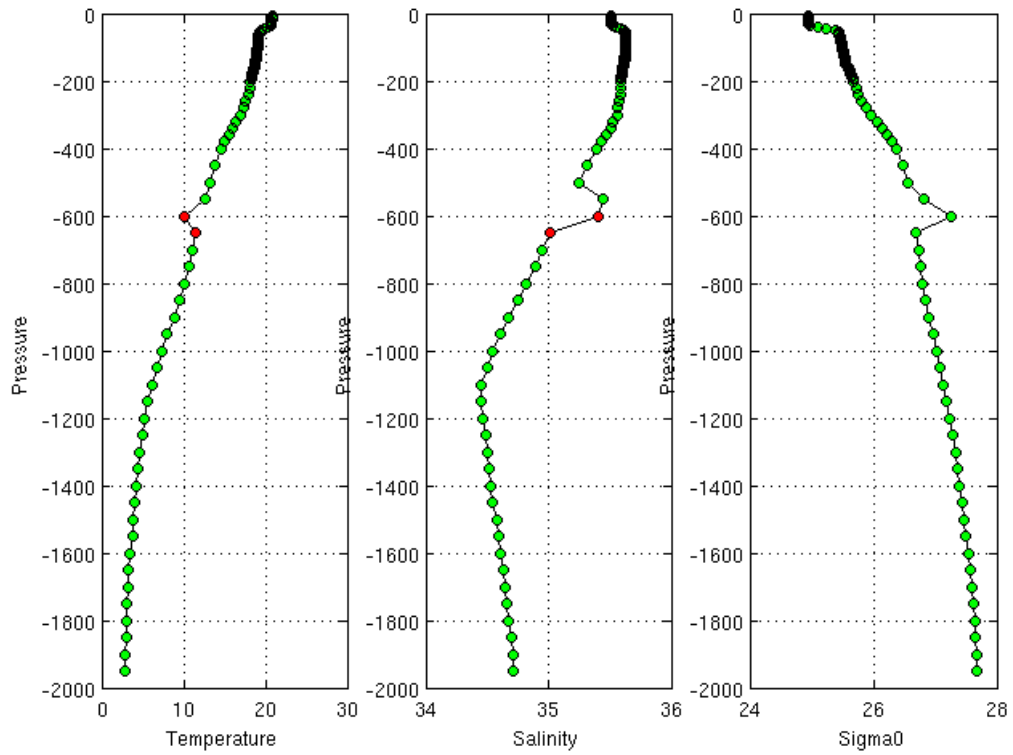
APEX to put on the grey list:

Example of corrections:

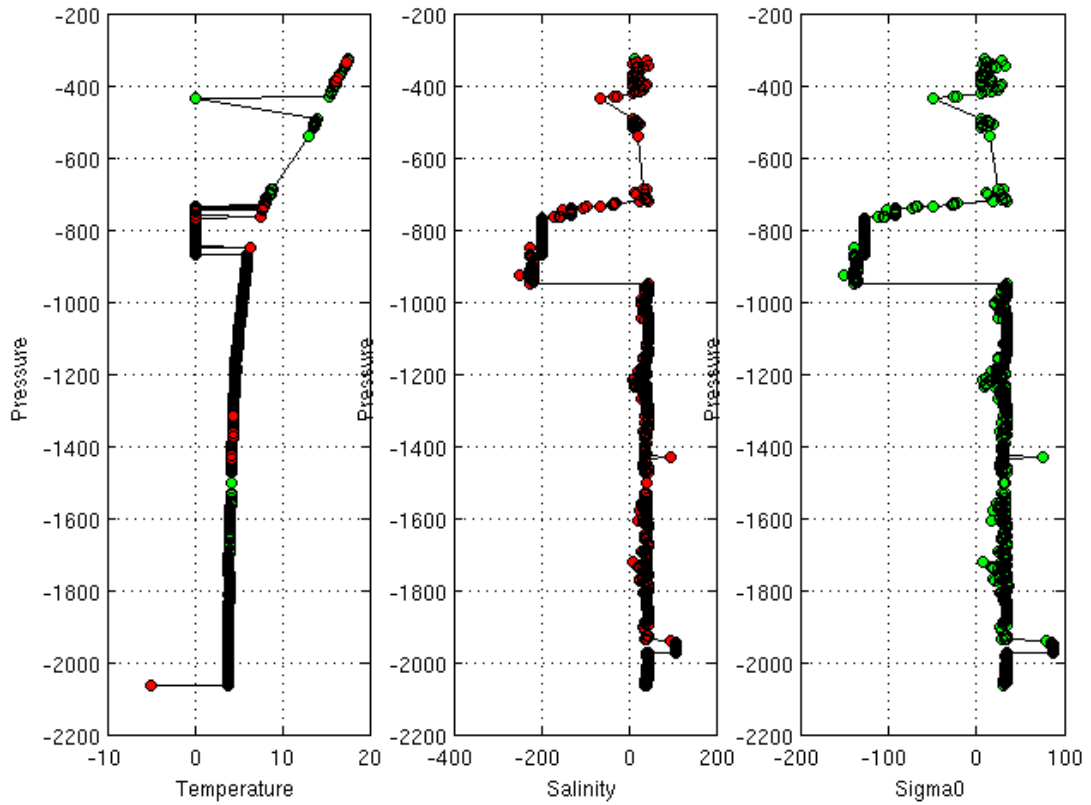
Warning Objective Analysis Anomalies 2016 September TEMP PSAL : DAC AO- Float 2901466-226



Warning Objective Analysis Anomalies 2016 September TEMP PSAL : DAC AO- Float 3900762-210



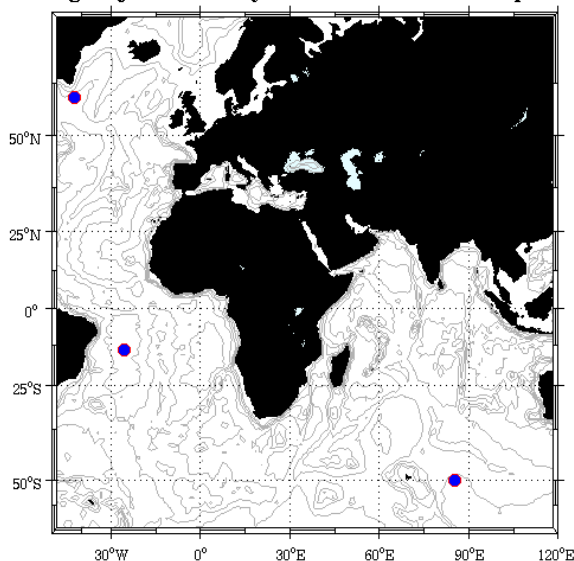
Warning Objective Analysis Anomalies 2016 September TEMP PSAL : DAC AO- Float 4901707-144



2. DAC BODC

Profiles detected by the objective analysis: 3

Warning Objective Analysis Anomalies 2016 September



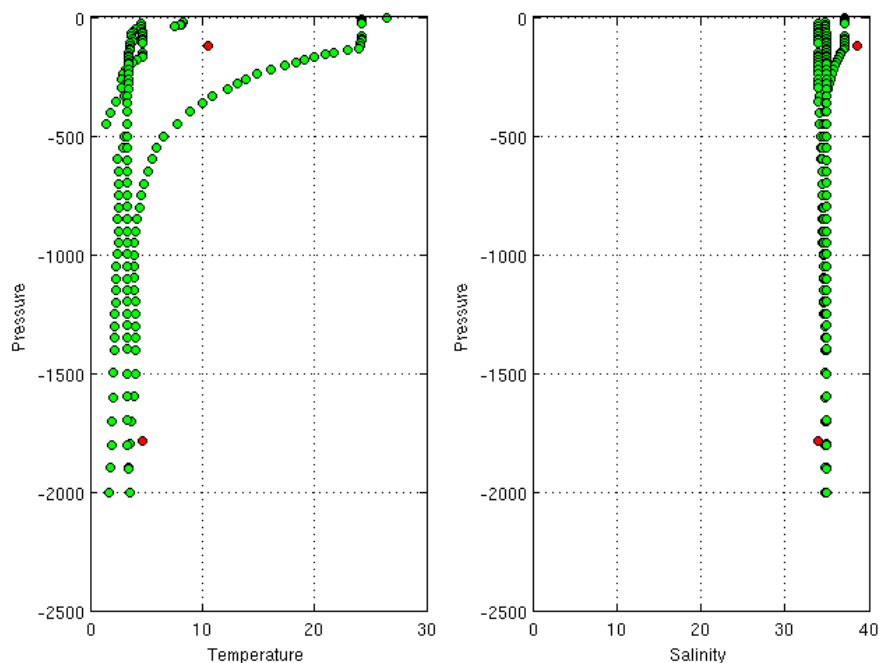
Status of corrections: Done for some profiles, no feedback.

Float : 1901247 - Cycle : 244 - PI : Jon Turton - Data mode : A - INST REF : - Date : 2016 8 14

Float : 3900309 - Cycle : 106 - PI : Jon Turton - Data mode : A - INST REF : - Date : 2016 9 11

Float : 6900446 - Cycle : 195 - PI : Jon Turton - Data mode : A - INST REF : - Date : 2016 9 17

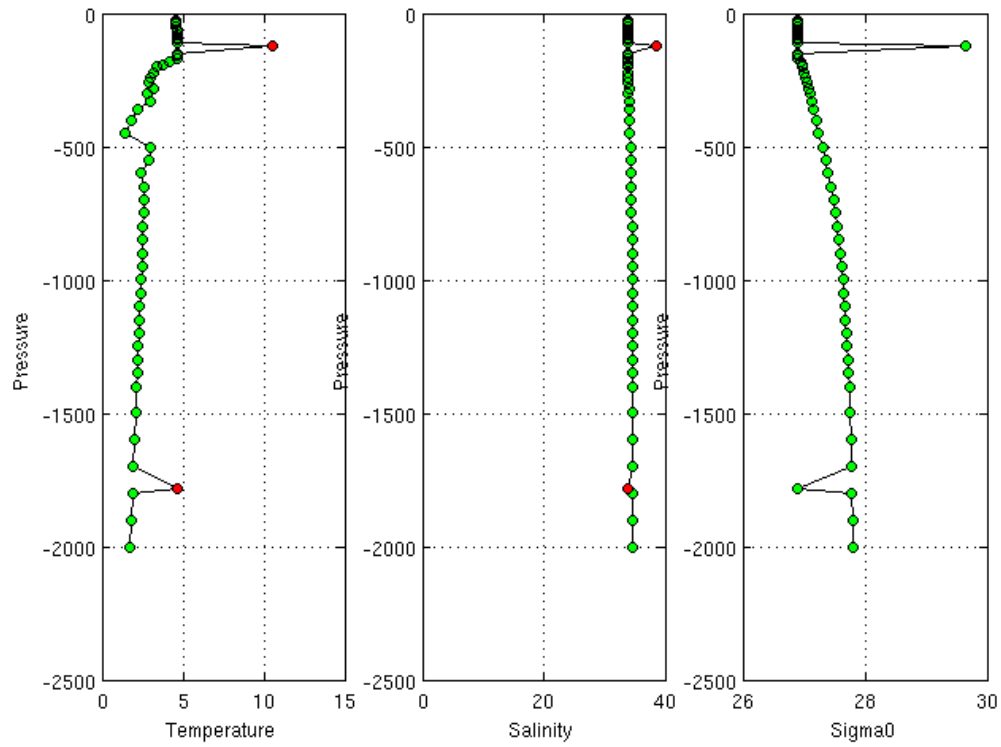
Warning Objective Analysis Anomalies 2016 September TEMP PSAL - DAC BO



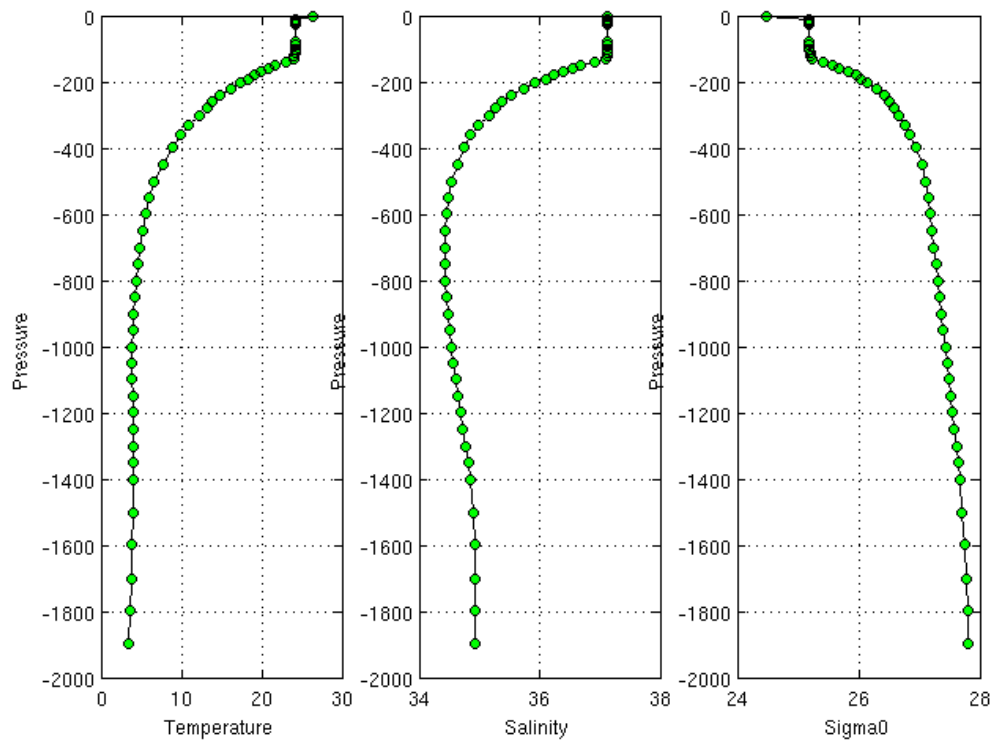
DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
BO,1901247,244,02/09/2016 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=44935351> ,TEMP,120,120,1,4
BO,1901247,244,10/09/2016 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=44935351> ,TEMP,120,120,1,4
BO,3900309,106,16/09/2016 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=45219908> ,TEMP,4.1,4.1,1,3
BO,6900446,195,17/09/2016 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=45254508> ,TEMP,50.1,50.1,1,3

Example of corrections:

Warning Objective Analysis Anomalies 2016 September TEMP PSAL : DAC BO- Float 1901247-244



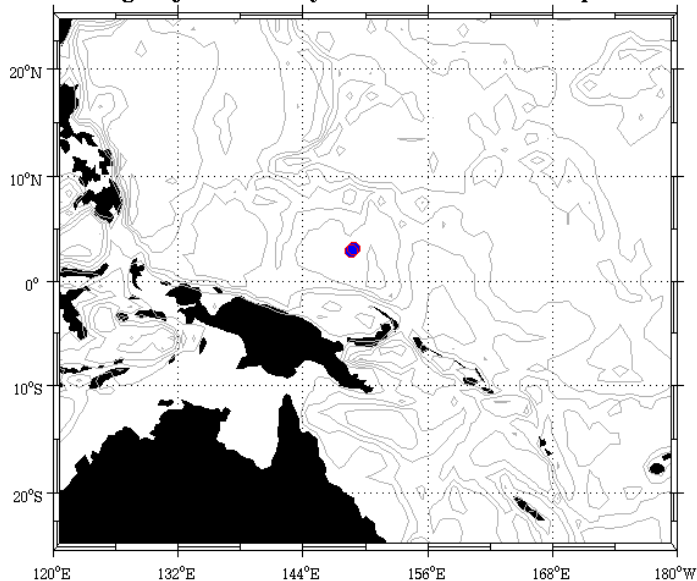
Warning Objective Analysis Anomalies 2016 September TEMP PSAL : DAC BO- Float 3900309-106



3. DAC CSIO

Profiles detected by the objective analysis: 2

Warning Objective Analysis Anomalies 2016 September

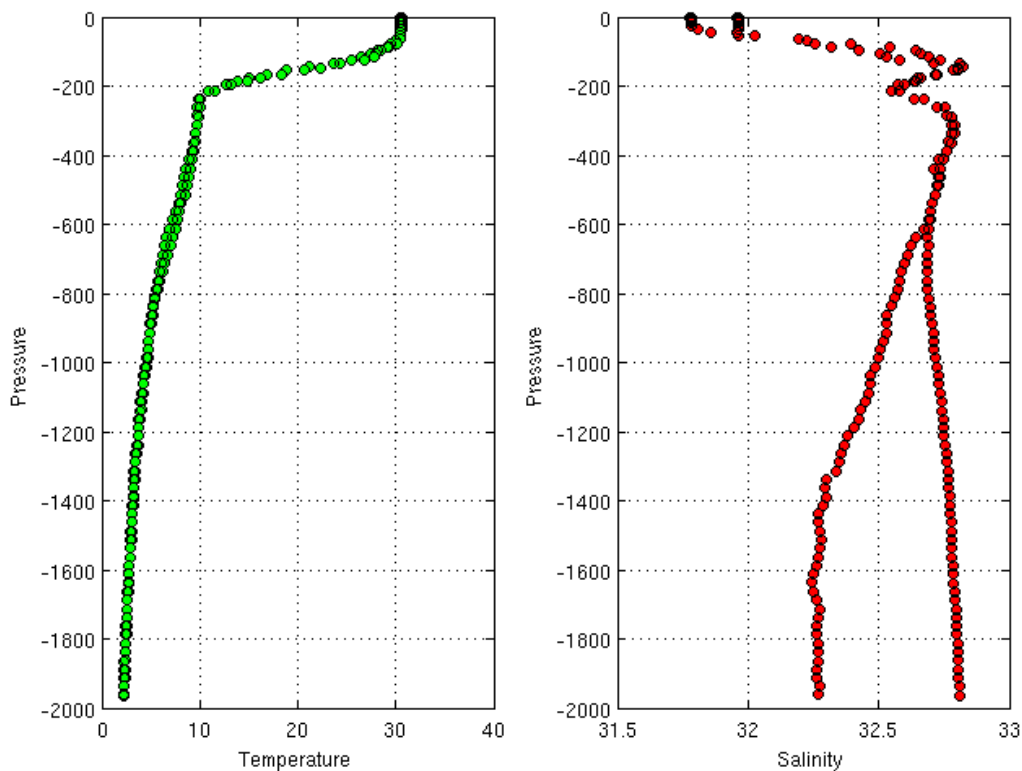


Status of corrections: Correction done – no feedback

Float : 2902611 - Cycle : 95 - PI : ZENGHONG LIU - Data mode : A - INST REF : - Date : 2016 9 13

Float : 2902611 - Cycle : 96 - PI : ZENGHONG LIU - Data mode : A - INST REF : - Date : 2016 9 23

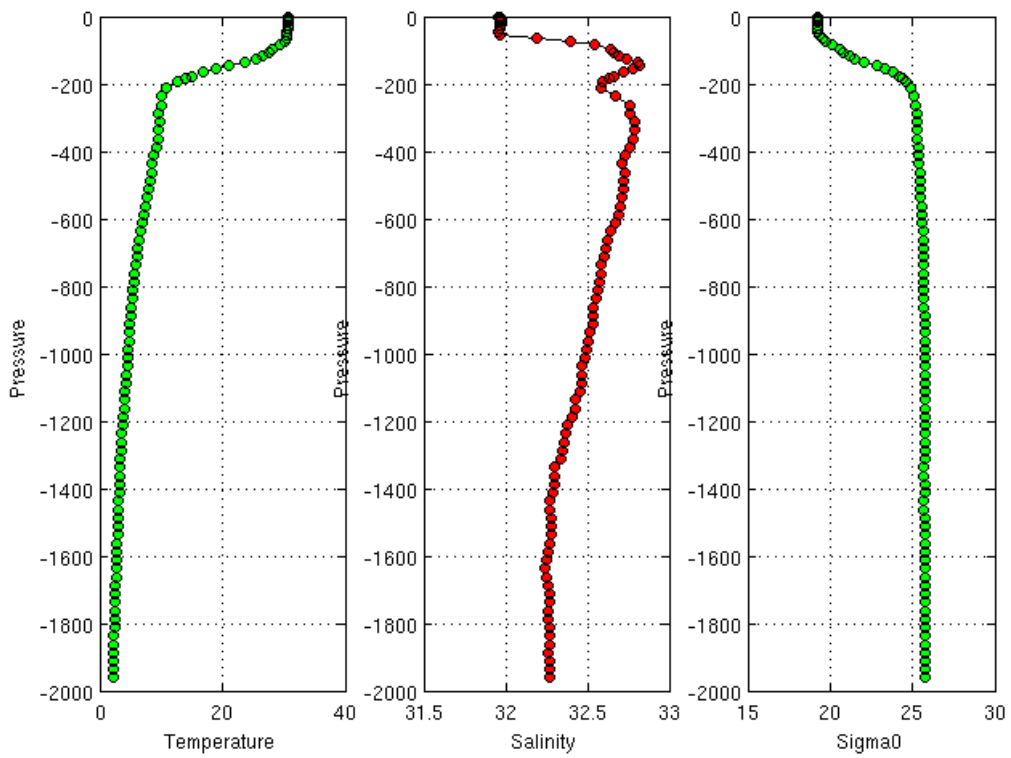
Warning Objective Analysis Anomalies 2016 September TEMP PSAL - DAC HZ



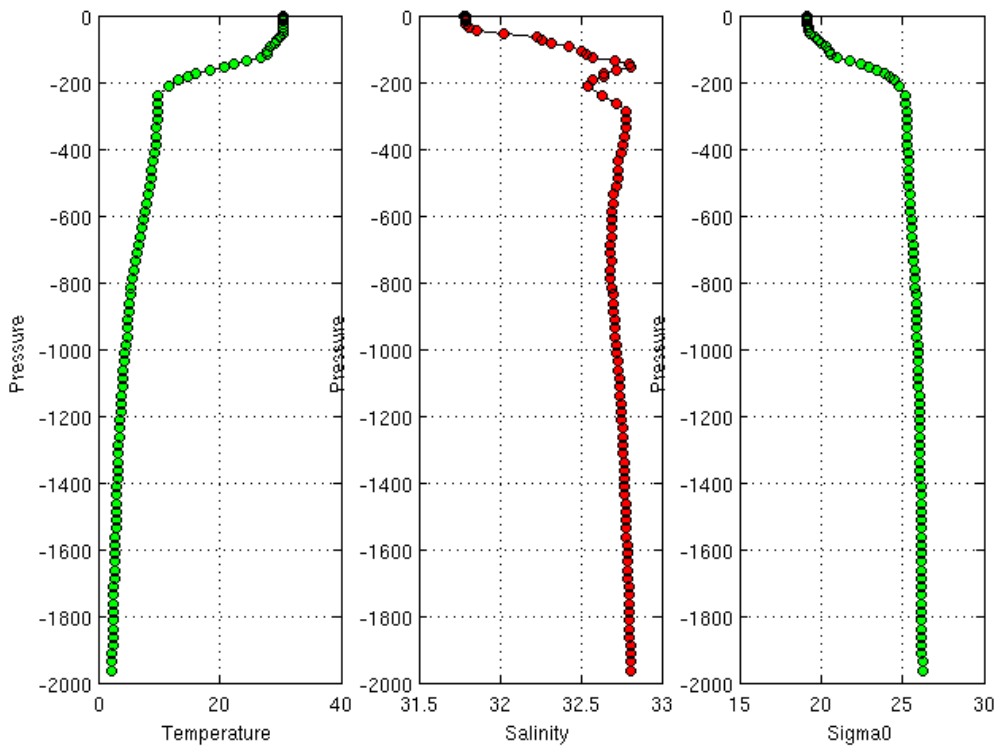
DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
HZ,2902611,95,13/09/2016 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=45213702> ,PSAL,1,1958,1,3
HZ,2902611,96,23/09/2016 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=45302254> ,PSAL,1,1963,1,4

Example of corrections:

Warning Objective Analysis Anomalies 2016 September TEMP PSAL : DAC HZ- Float 2902611-95



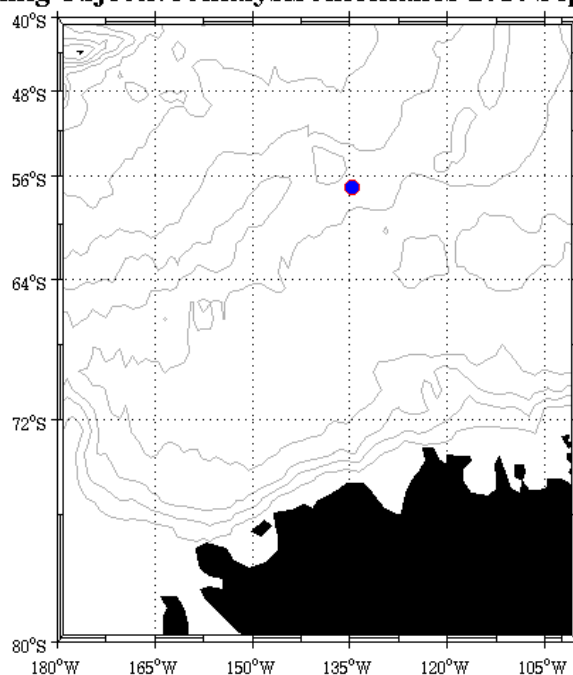
Warning Objective Analysis Anomalies 2016 September TEMP PSAL : DAC HZ- Float 2902611-96



4. DAC CSIRO

Profiles detected by the objective analysis: 1

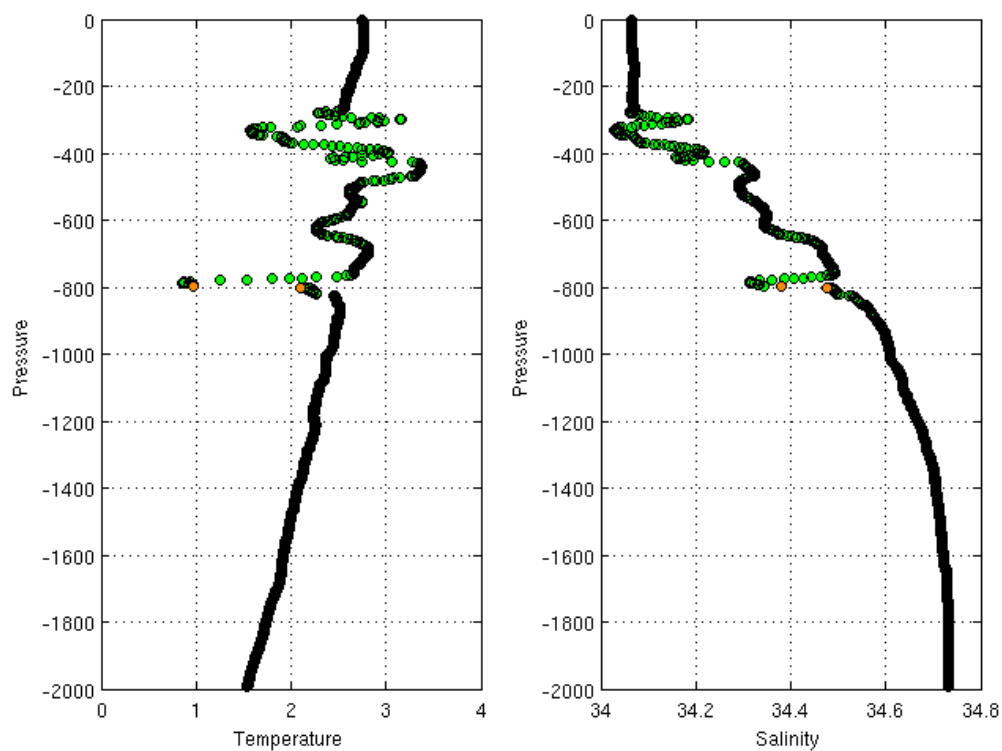
Warning Objective Analysis Anomalies 2016 September



Status of corrections: Correction not yet done

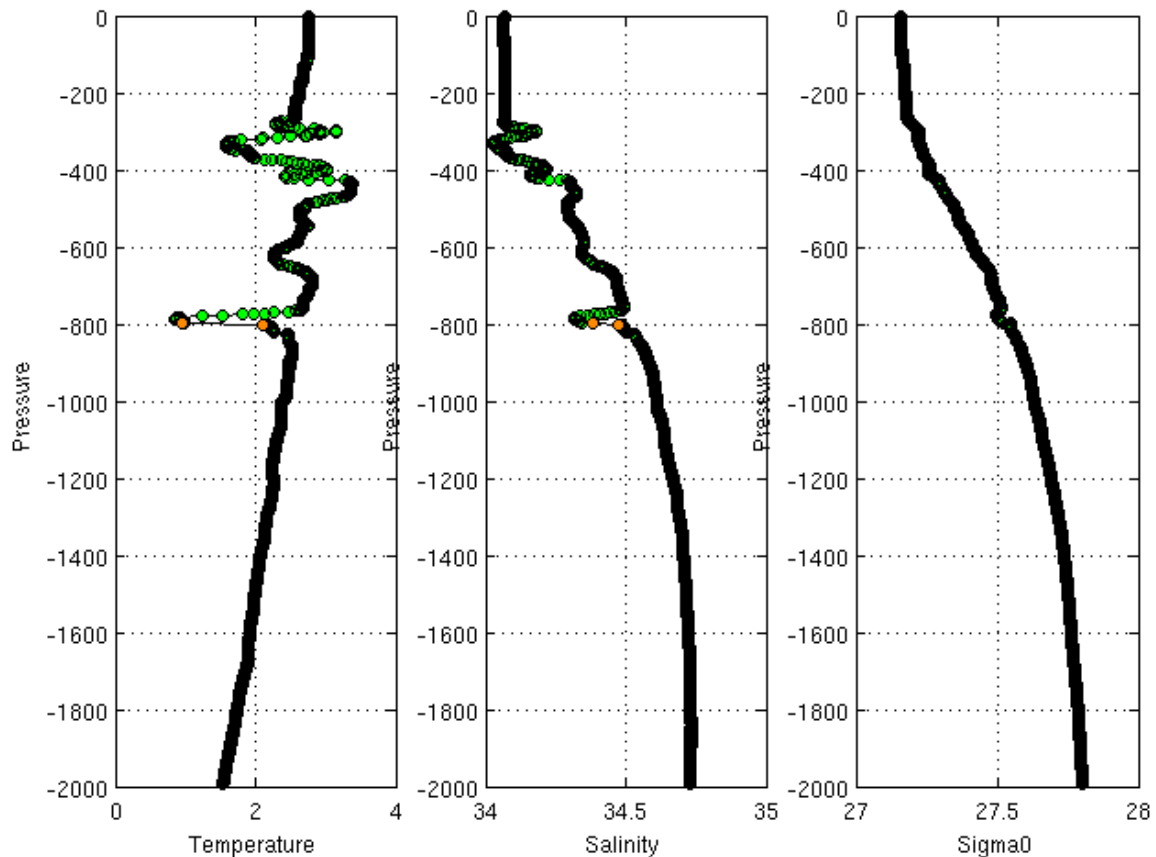
Float : 5903938 - Cycle : 172 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2016 9 23

Warning Objective Analysis Anomalies 2016 September TEMP PSAL - DAC CS



Example of corrections:

Warning Objective Analysis Anomalies 2016 September TEMP PSAL : DAC CS- Float 5903938-172



5. DAC INCOIS

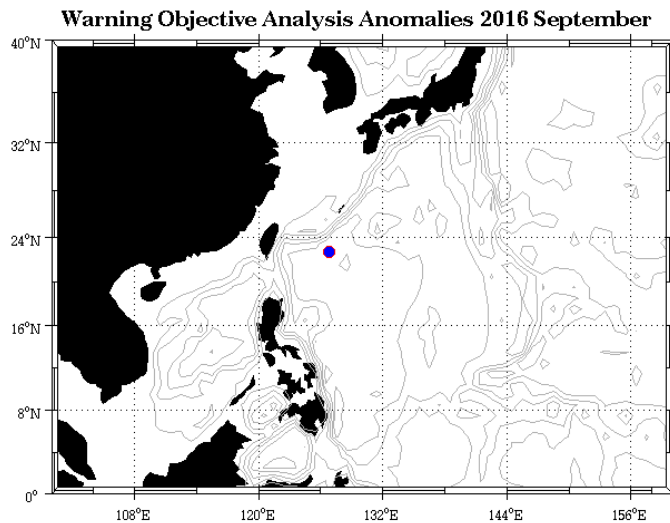
Profiles detected by the objective analysis: 0

Status of corrections:

Example of corrections:

6. DAC JMA/JAMSTEC

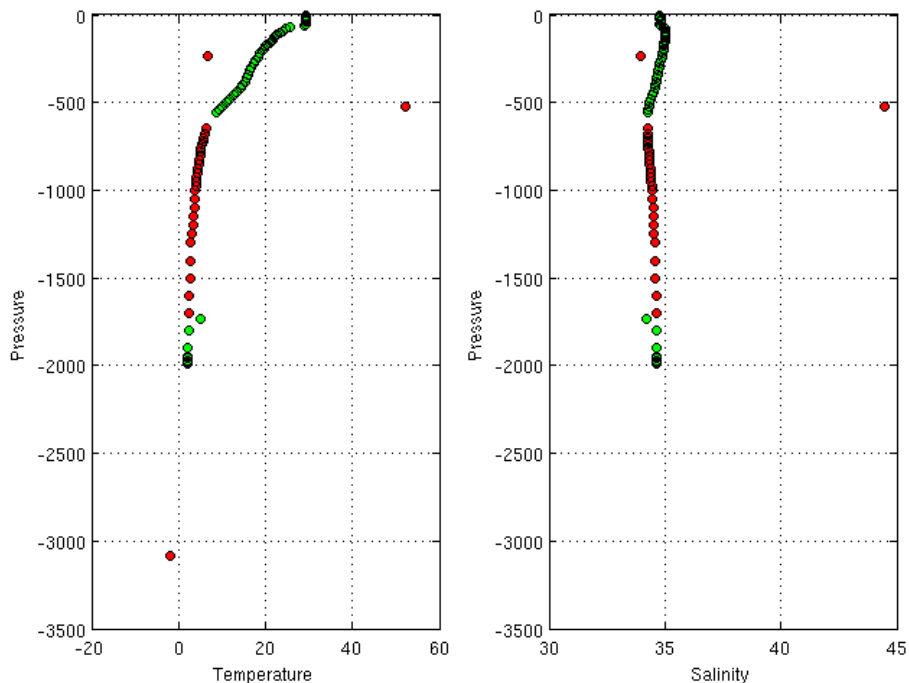
Profiles detected by the objective analysis: 1



Status of corrections: Not done – no feedback

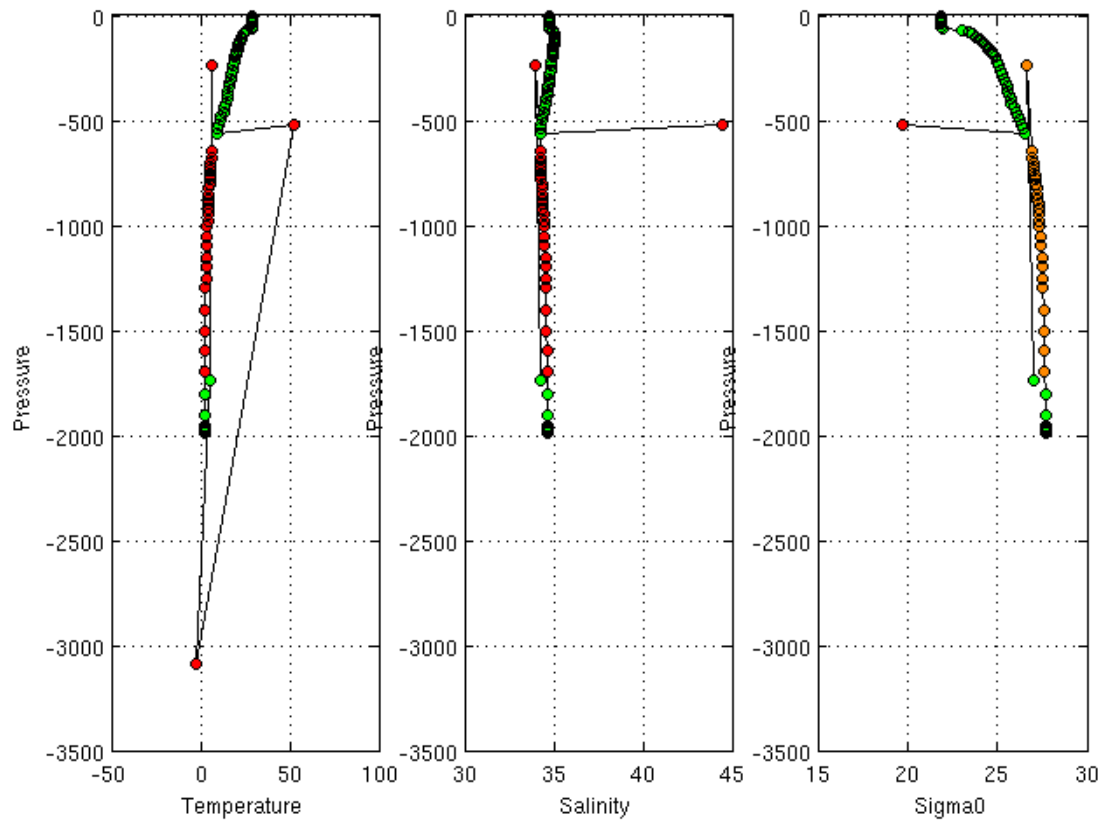
Float : 2902945 - Cycle : 135 - PI : JMA - Data mode : A - INST REF : - Date : 2016 9 25

Warning Objective Analysis Anomalies 2016 September TEMP PSAL - DAC JA



DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
JA,2902945,135,27/09/2016 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=45314430> ,PSAL,559.4,559.4,1,4
JA,2902945,135,27/09/2016 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=45314430> ,PSAL,1737.6,1737.6,1,4
JA,2902945,135,27/09/2016 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=45314430> ,TEMP,559.4,559.4,1,4
JA,2902945,135,27/09/2016 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=45314430> ,TEMP,1737.6,1737.6,1,4

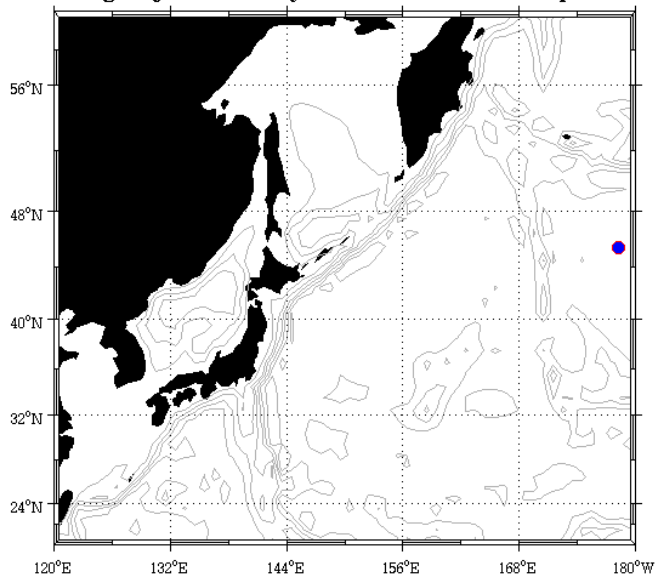
Example of anomalies:



7. DAC KMA

Profiles detected by the objective analysis: 1

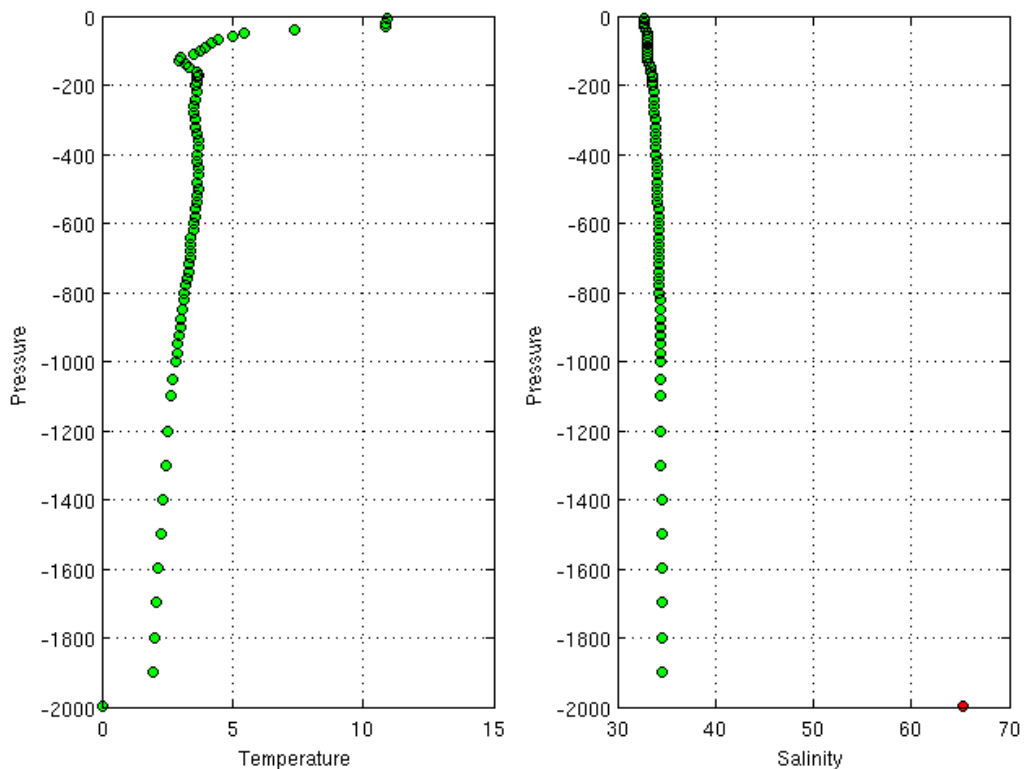
Warning Objective Analysis Anomalies 2016 September



Status of corrections: Correction not done, feedback after ADMT17

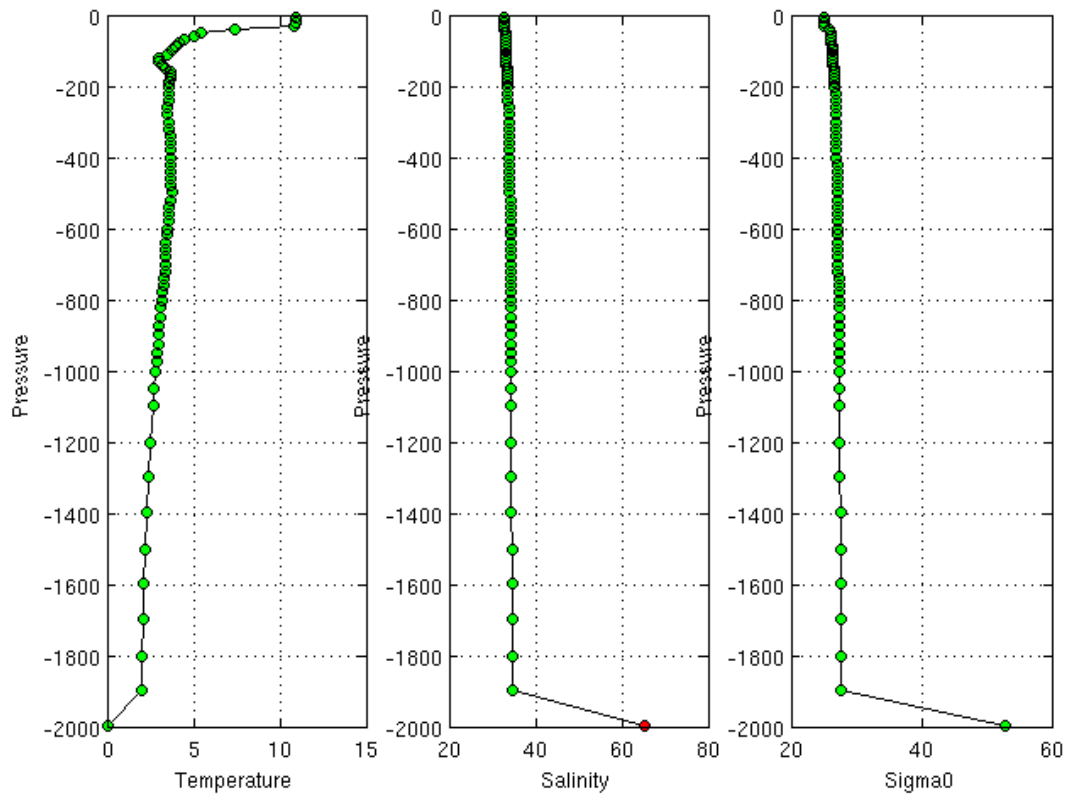
Float : 2901713 - Cycle : 114 - PI : Young-Hwa Kim - Data mode : R - INST REF : APEX Profiling Float - Date : 2016 9 16

Warning Objective Analysis Anomalies 2016 September TEMP PSAL - DAC KM



DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
KM,2901713,114,17/09/2016 00:00:00,A,<http://www.ifremer.fr/co-argofloats/station?stationId=45254339>,TEMP,1997.5,1997.5,1,4

Example of anomalies:



8. DAC KORDI

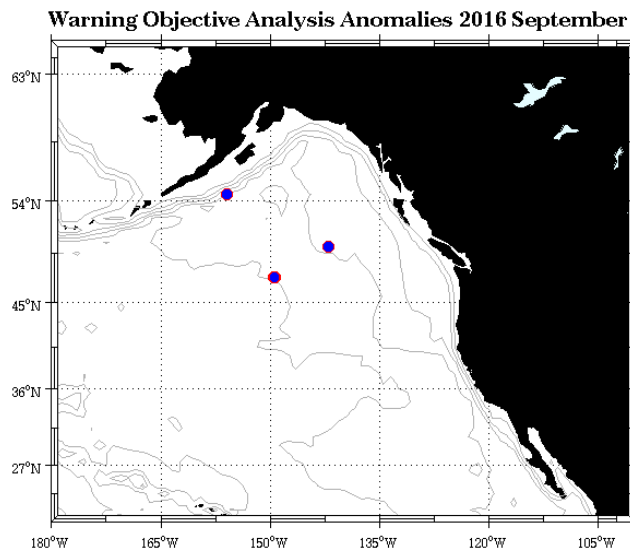
Profiles detected by the objective analysis: 0

Status of corrections:

Example of anomalies:

9. DAC MEDS

Profiles detected by the objective analysis: 4



Status of corrections: Correction not done, no feedback

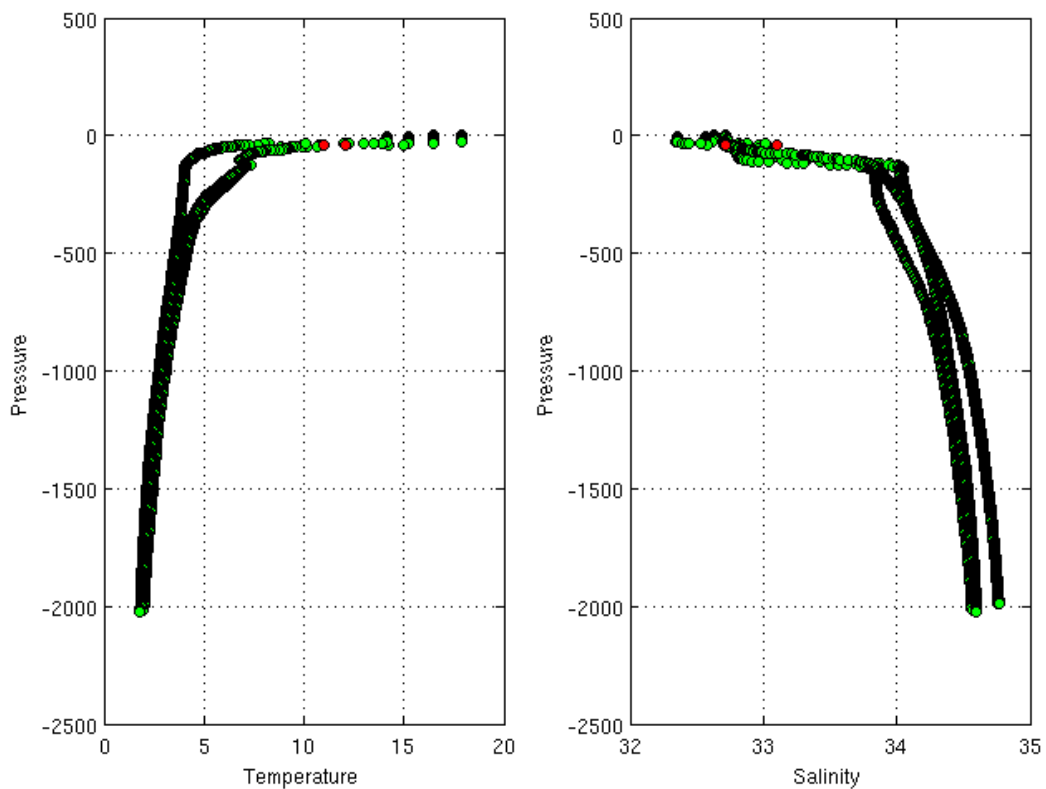
Float : 4901188 - Cycle : 152 - PI : Blair Greenan - Data mode : A - INST REF : - Date : 2016 9 16

Float : 4901188 - Cycle : 153 - PI : Blair Greenan - Data mode : A - INST REF : - Date : 2016 9 26

Float : 4901735 - Cycle : 117 - PI : Blair Greenan - Data mode : A - INST REF : - Date : 2016 9 20

Float : 4901786 - Cycle : 22 - PI : Blair Greenan - Data mode : A - INST REF : - Date : 2016 9 23

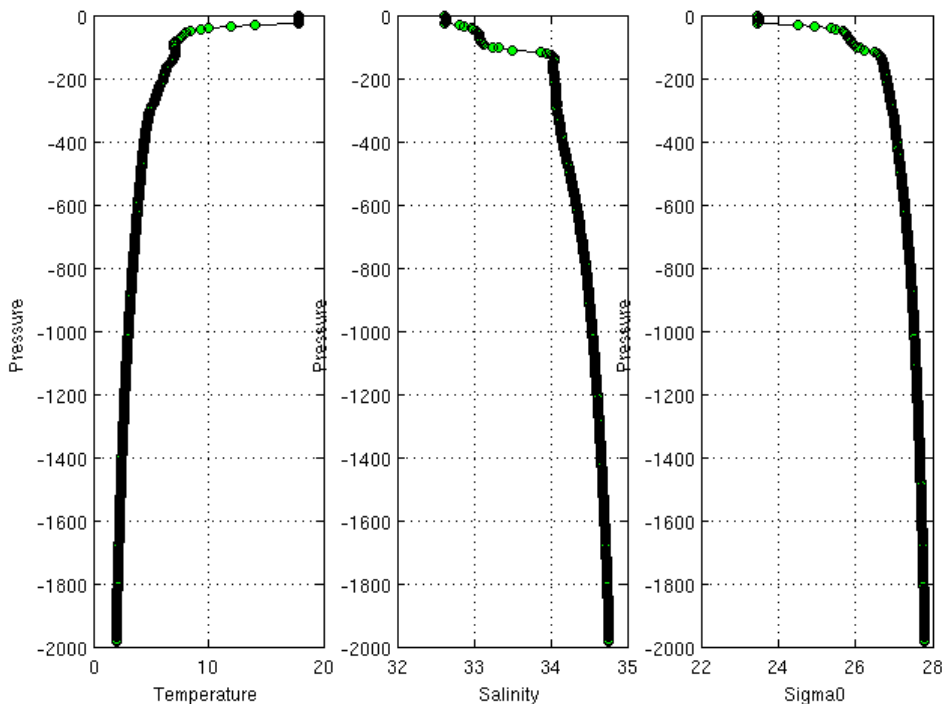
Warning Objective Analysis Anomalies 2016 September TEMP PSAL - DAC ME



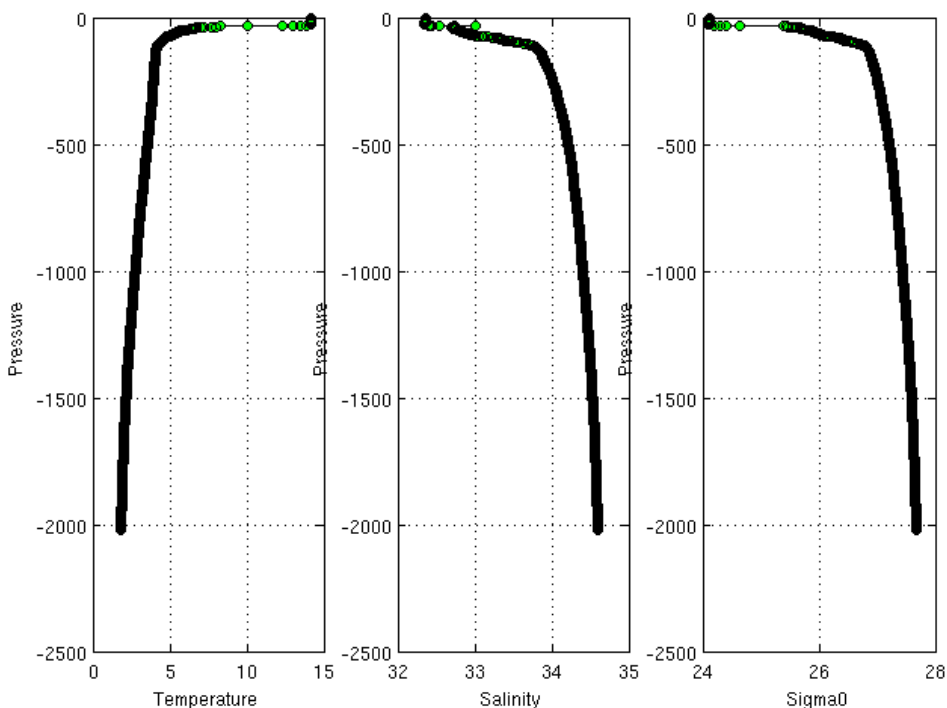
DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
 ME,4901188,152,16/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45239618 ,PSAL,-,4,1984.9,1,3
 ME,4901188,153,26/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45311827 ,PSAL,-,5,1989.6,1,4
 ME,4901735,117,20/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45263123 ,PSAL,34,34,1,3
 ME,4901786,22,23/09/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45302241 ,PSAL,41.3,41.3,1,4

Example of anomalies: **Offset of salinity comparing to climatology**

Warning Objective Analysis Anomalies 2016 September TEMP PSAL : DAC ME- Float 4901188-152



Warning Objective Analysis Anomalies 2016 September TEMP PSAL : DAC ME- Float 4901735-117



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.

I removed all the floats for which the missing netcdf files are not due to an anomaly. For instance, I removed all the floats for which only meta.nc file is generated or only meta.nc and tech.nc files are generated. If you think that others associations have to be removed for technical reasons, let me know.

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 monopofile, no trajectory, no technical file)

See below the list of floats with existing nc files :

DAC name : aoml - Number of floats : 6036

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

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 -

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

1900831 - Existing nc files

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

1901519 - Existing nc files

File : 1901519_Rtraj.nc - 1901519_meta.nc - 1901519_prof.nc

-

1901522 - Existing nc files

File : 1901522_Rtraj.nc - 1901522_meta.nc - 1901522_prof.nc

-

1901658 - Existing nc files

File : 1901658_Rtraj.nc - 1901658_meta.nc - 1901658_tech.nc

-

2901106 - Existing nc files

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

-

2902050 - Existing nc files

File : 2902050_Rtraj.nc - 2902050_meta.nc - 2902050_prof.nc

-

2902051 - Existing nc files

File : 2902051_Rtraj.nc - 2902051_meta.nc -

2902054 - Existing nc files

File : 2902054_Rtraj.nc - 2902054_meta.nc - 2902054_prof.nc

2902056 - Existing nc files

File : 2902056_Rtraj.nc - 2902056_meta.nc -

2902400 - Existing nc files

File : 2902400_Rtraj.nc - 2902400_meta.nc -

2902402 - Existing nc files

File : 2902402_Rtraj.nc - 2902402_meta.nc - 2902402_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

-

39029 - Existing nc files

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

File : 4900268_meta.nc - 4900268_prof.nc -

4900269 - Existing nc files

File : 4900269_meta.nc - 4900269_prof.nc -

4900270 - Existing nc files

File : 4900270_meta.nc - 4900270_prof.nc -

4900271 - Existing nc files

File : 4900271_meta.nc - 4900271_prof.nc -

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 -

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 -

4900550 - Existing nc files

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

-

4900583 - Existing nc files

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

-

4900779 - Existing nc files

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

4902118 - Existing nc files

File : 4902118_Rtraj.nc - 4902118_meta.nc - 4902118_prof.nc

-

4902119 - Existing nc files

File : 4902119_Rtraj.nc - 4902119_meta.nc - 4902119_prof.nc

-

5900253 - Existing nc files

File : 5900253_Rtraj.nc - 5900253_meta.nc - 5900253_tech.nc

5900637 - Existing nc files

File : 5900637_Rtraj.nc - 5900637_meta.nc - 5900637_tech.nc

-

5900765 - Existing nc files

File : 5900765_Rtraj.nc - 5900765_meta.nc - 5900765_tech.nc
-
5900892 - Existing nc files
File : 5900892_Rtraj.nc - 5900892_meta.nc - 5900892_tech.nc
-
5901006 - Existing nc files
File : 5901006_Rtraj.nc - 5901006_meta.nc - 5901006_tech.nc

5901082 - Existing nc files
File : 5901082_Rtraj.nc - 5901082_meta.nc - 5901082_tech.nc

5901732 - Existing nc files
File : 5901732_Rtraj.nc - 5901732_meta.nc - 5901732_tech.nc

5903442 - Existing nc files
File : 5903442_Rtraj.nc - 5903442_meta.nc - 5903442_tech.nc

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

5904961 - Existing nc files
File : 5904961_Rtraj.nc - 5904961_meta.nc - 5904961_prof.nc
-

5904963 - Existing nc files
File : 5904963_Rtraj.nc - 5904963_meta.nc - 5904963_prof.nc

5904965 - Existing nc files
File : 5904965_Rtraj.nc - 5904965_meta.nc - 5904965_prof.nc

5904969 - Existing nc files
File : 5904969_Rtraj.nc - 5904969_meta.nc - 5904969_prof.nc
-
5904970 - Existing nc files
File : 5904970_Rtraj.nc - 5904970_meta.nc - 5904970_prof.nc
-
6900416 - Existing nc files
File : 6900416_Rtraj.nc - 6900416_meta.nc -

6900417 - Existing nc files
File : 6900417_Rtraj.nc - 6900417_meta.nc - 6900417_prof.nc
-
6900421 - Existing nc files
File : 6900421_Rtraj.nc - 6900421_meta.nc - 6900421_prof.nc
-
6900424 - Existing nc files
File : 6900424_Rtraj.nc - 6900424_meta.nc - 6900424_prof.nc
-
6900425 - Existing nc files
File : 6900425_Rtraj.nc - 6900425_meta.nc - 6900425_prof.nc

Files in real time :

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 ? or put position_qc=4 ? but be consistent

```
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 ? or put position_qc=4 ? but be consistent

```
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 monopofile, no trajectory)

See below the list of floats with existing nc files :

DAC name : bodc - Number of floats : 538

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 -

1901862 - Existing nc files

File : 1901862_meta.nc - 1901862_prof.nc - 1901862_tech.nc -

1901863 - Existing nc files

File : 1901863_meta.nc - 1901863_prof.nc - 1901863_tech.nc -

1901864 - Existing nc files

File : 1901864_meta.nc - 1901864_prof.nc - 1901864_tech.nc -

1901865 - Existing nc files

File : 1901865_meta.nc - 1901865_prof.nc - 1901865_tech.nc -

2901899 - Existing nc files

File : 2901899_meta.nc - 2901899_prof.nc - 2901899_tech.nc -

2901900 - Existing nc files

File : 2901900_meta.nc - 2901900_prof.nc - 2901900_tech.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 -

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 -

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 -

6901189 - Existing nc files

File : 6901189_meta.nc - 6901189_prof.nc - 6901189_tech.nc -

6901190 - Existing nc files

File : 6901190_meta.nc - 6901190_prof.nc - 6901190_tech.nc -

6901192 - Existing nc files

File : 6901192_meta.nc - 6901192_prof.nc - 6901192_tech.nc -

6901194 - Existing nc files

File : 6901194_meta.nc - 6901194_prof.nc - 6901194_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 -

6901921 - Existing nc files

File : 6901921_meta.nc - 6901921_prof.nc - 6901921_tech.nc -

6901922 - Existing nc files

File : 6901922_meta.nc - 6901922_prof.nc - 6901922_tech.nc -

6901923 - Existing nc files

File : 6901923_meta.nc - 6901923_prof.nc - 6901923_tech.nc

11.3. CORIOLIS

GDAC (missing nc files)

For some floats :

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

See below the list of floats with existing nc files :

DAC name : coriolis - Number of floats : 2321

1900380 - Existing nc files

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

1901216 - Existing nc files

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

5903129 - Existing nc files

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

6900831 - Existing nc files

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

6900940 - Existing nc files

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

6901000 - Existing nc files

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

6901069 - Existing nc files

File : 6901069_Rtraj.nc - 6901069_meta.nc -

6901224 - Existing nc files

File : 6901224_Rtraj.nc - 6901224_meta.nc - 6901224_tech.nc -

6901551 - Existing nc files

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

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 -

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

6902023 - Existing nc files
File : 6902023_meta.nc - 6902023_prof.nc - 6902023_tech.nc -

6902024 - Existing nc files

File : 6902024_meta.nc - 6902024_prof.nc - 6902024_tech.nc -

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

6903181 - Existing nc files
File : 6903181_Rtraj.nc - 6903181_meta.nc - 6903181_tech.nc -

6903185 - Existing nc files
File : 6903185_Rtraj.nc - 6903185_meta.nc - 6903185_tech.nc -

6903193 - Existing nc files
File : 6903193_Rtraj.nc - 6903193_meta.nc - 6903193_tech.nc -

6903272 - Existing nc files
File : 6903272_meta.nc - 6903272_prof.nc - 6903272_tech.nc -

6903273 - Existing nc files
File : 6903273_meta.nc - 6903273_prof.nc - 6903273_tech.nc -

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

11.4. CSIO

GDAC (missing nc files)

For some floats :

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

See below the list of floats with existing nc files :

DAC name : csio - Number of floats : 354

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_Rtraj.nc - 2902670_meta.nc - 2902670_prof.nc -

2902671 - Existing nc files
File : 2902671_Rtraj.nc - 2902671_meta.nc - 2902671_prof.nc -

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

2902673 - Existing nc files
File : 2902673_Rtraj.nc - 2902673_meta.nc - 2902673_prof.nc -

2902674 - Existing nc files
File : 2902674_Rtraj.nc - 2902674_meta.nc - 2902674_prof.nc -

2902677 - Existing nc files
File : 2902677_Rtraj.nc - 2902677_meta.nc - 2902677_prof.nc -

2902679 - Existing nc files
File : 2902679_Rtraj.nc - 2902679_meta.nc - 2902679_prof.nc -

2902691 - Existing nc files
File : 2902691_Rtraj.nc - 2902691_meta.nc - 2902691_prof.nc -

2902692 - Existing nc files
File : 2902692_Rtraj.nc - 2902692_meta.nc - 2902692_prof.nc -

2902693 - Existing nc files
File : 2902693_Rtraj.nc - 2902693_meta.nc - 2902693_prof.nc -

2902694 - Existing nc files
File : 2902694_Rtraj.nc - 2902694_meta.nc - 2902694_prof.nc -

2902695 - Existing nc files
File : 2902695_Rtraj.nc - 2902695_meta.nc - 2902695_prof.nc -

2902696 - Existing nc files
File : 2902696_Rtraj.nc - 2902696_meta.nc - 2902696_prof.nc -

2902700 - Existing nc files
File : 2902700_Rtraj.nc - 2902700_meta.nc - 2902700_prof.nc

11.5. CSIRO

GDAC (missing nc files)

For some floats :

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

See below the list of floats with existing nc files :

DAC name : csiro - Number of floats : 749

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

5904916 - Existing nc files
File : 5904916_meta.nc - 5904916_prof.nc - 5904916_tech.nc -

5904917 - Existing nc files
File : 5904917_meta.nc - 5904917_prof.nc - 5904917_tech.nc -

5904922 - Existing nc files
File : 5904922_meta.nc - 5904922_prof.nc - 5904922_tech.nc -

5905037 - Existing nc files
File : 5905037_meta.nc - 5905037_prof.nc - 5905037_tech.nc -

5905038 - Existing nc files
File : 5905038_meta.nc - 5905038_prof.nc - 5905038_tech.nc -

5905041 - Existing nc files
File : 5905041_meta.nc - 5905041_prof.nc - 5905041_tech.nc -

5905042 - Existing nc files
File : 5905042_meta.nc - 5905042_prof.nc - 5905042_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)

See below the list of floats with existing nc files :

DAC name : incois - Number of floats : 394

2900268 - Existing nc files
File : 2900268_Rtraj.nc - 2900268_meta.nc - 2900268_prof.nc -

2900275 - Existing nc files
File : 2900275_Rtraj.nc - 2900275_meta.nc - 2900275_prof.nc -

2900763 - Existing nc files
File : 2900763_Rtraj.nc - 2900763_meta.nc -

2900772 - Existing nc files

File : 2900772_Rtraj.nc - 2900772_meta.nc -

2900775 - Existing nc files
File : 2900775_Rtraj.nc - 2900775_meta.nc -

2902126 - Existing nc files
File : 2902126_Rtraj.nc - 2902126_meta.nc - 2902126_tech.nc -

7654321 - Existing nc files
File : 7654321_meta.nc - 7654321_prof.nc

11.7. JMA

Feedback sent by Wataru.(few months ago)

Checking of the status of each float.

-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

See below the list of floats with existing nc files :

DAC name : jma - Number of floats : 1464

1902074 - Existing nc files

File : 1902074_meta.nc - 1902074_prof.nc -

1902075 - Existing nc files

File : 1902075_meta.nc - 1902075_prof.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 -

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 -

2902971 - Existing nc files

File : 2902971_meta.nc - 2902971_prof.nc -

2902974 - Existing nc files

File : 2902974_Rtraj.nc - 2902974_meta.nc - 2902974_prof.nc -

2902977 - Existing nc files

File : 2902977_Rtraj.nc - 2902977_meta.nc - 2902977_tech.nc -

2902978 - Existing nc files

File : 2902978_Rtraj.nc - 2902978_meta.nc - 2902978_tech.nc -

4900293 - Existing nc files

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

5901937 - Existing nc files

File : 5901937_Rtraj.nc - 5901937_meta.nc - 5901937_prof.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 -

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)

See below the list of floats with existing nc files :

DAC name : kma - Number of floats : 217

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 -

2901744 - Existing nc files

File : 2901744_Rtraj.nc - 2901744_meta.nc - 2901744_tech.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 : 119

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 :

- traj file missing

See below the list of floats with existing nc files :

DAC name : meds - Number of floats : 435

11.11. NMDIS

For some floats :

-

See below the list of floats with existing nc files :

DAC name : nmdis - Number of floats : 19

12. Delayed Mode anomalies (adjusted fields) – date mode = 'A' or 'D'

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

12.1. AOML

12.2. BODC

Some files with data_mode='A' have only one parameter that is filled. See §2.3.3 (Quality Control Manual), all PARAM_ADJUSTED variables should be filled.

Ex. 1901060 cycle 180 (only PRES_ADJUSTED filled)

12.3. CSIO

12.4. CSIRO

12.5. INCOIS

12.6. JMA/JAMSTEC

12.7. KMA

- Error on salinity_adjusted 0.000 ?? floats 2900170 - 2900171

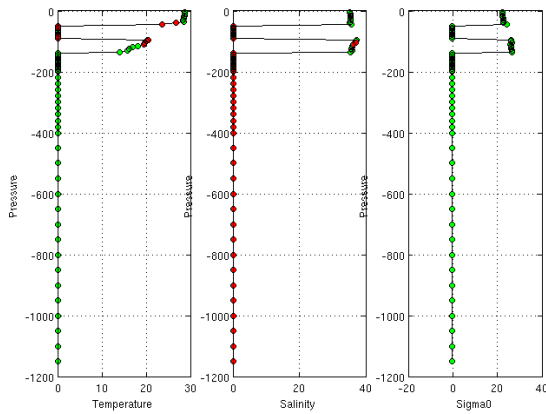
```
netcdf D2900171_067 {
```

```
PSAL_ADJUSTED_ERROR =
```

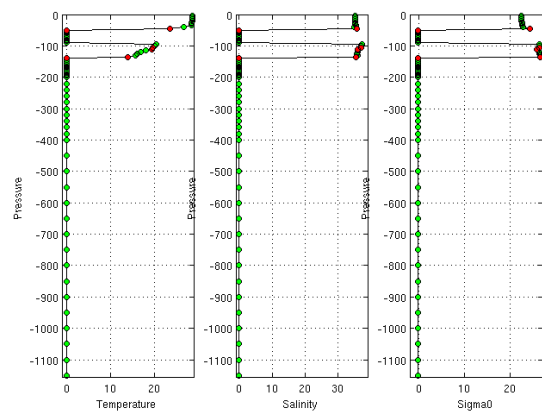

13. Automatic Tests (June's version)

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

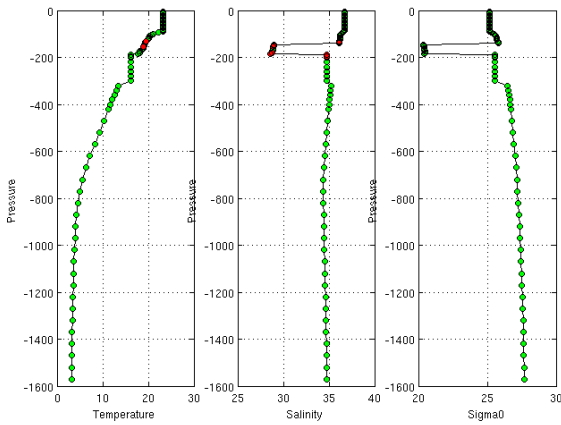
Warning Objective Analysis Anomalies 2016 June TEMP PSAL : DAC AO- Float 1901504-188



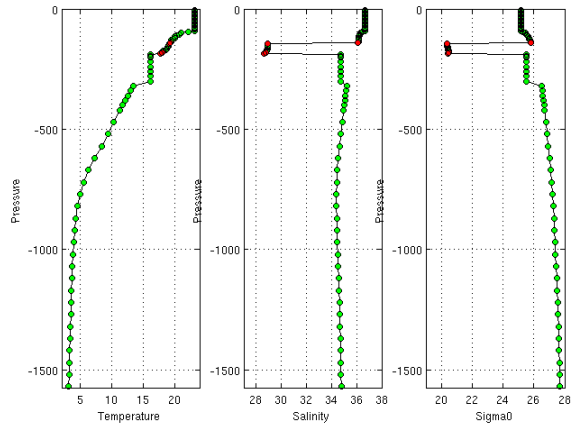
Using Jean Philippe Matlab density inversion test : Float 1901504_88 Data mode : R



Warning Objective Analysis Anomalies 2016 June TEMP PSAL : DAC AO- Float 1900998-239



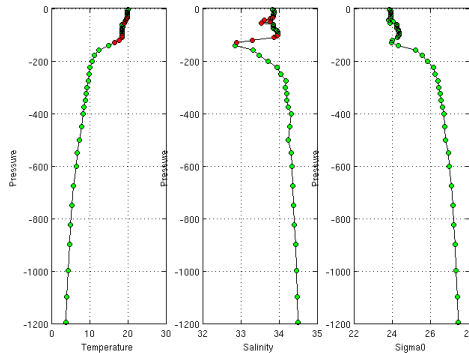
Using Jean Philippe Matlab density inversion test : Float 1900998_39 Data mode : R



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

- Strange profiles going through all the automatic tests :

Warning Objective Analysis Anomalies 2016 June TEMP PSAL : DAC AO- Float 4902093-208

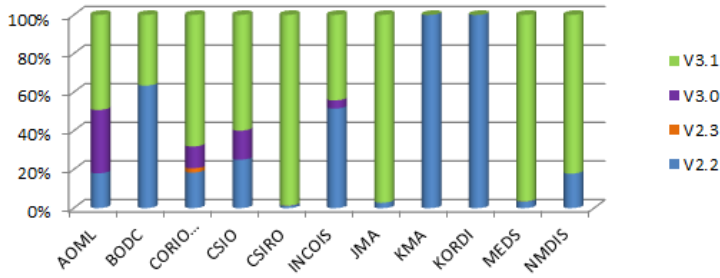


Some profiles have temperature measurements with the zero values which are not good but they did not fail with any test.

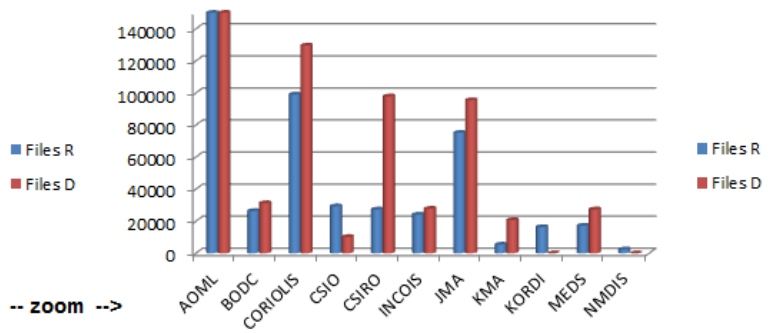
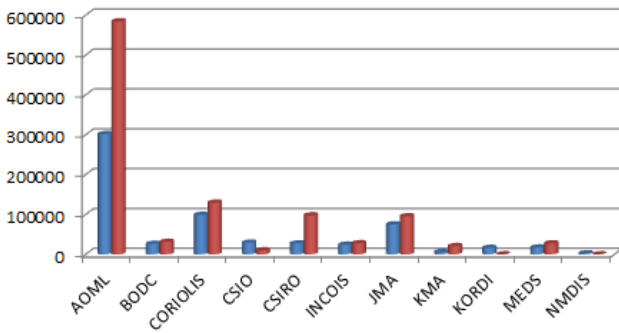
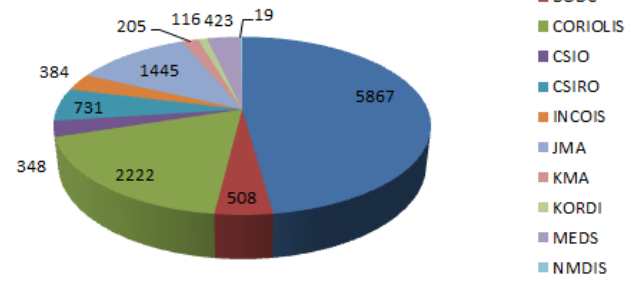
14. Statistics on floats and format version

Plots showing format_version percentage, number of floats (with profiles), number of D and R files by DACs.

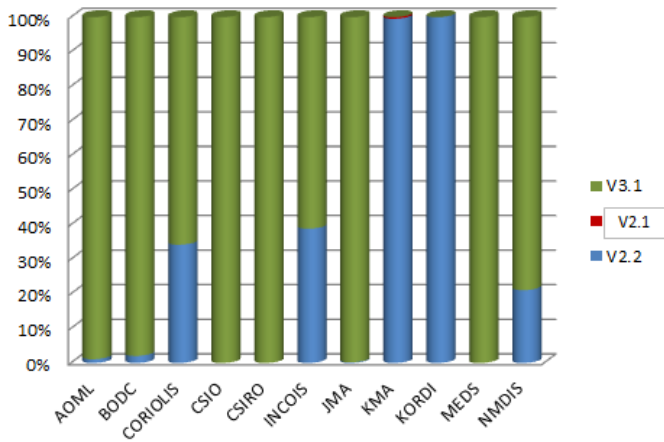
Format Version (profiles R & D)



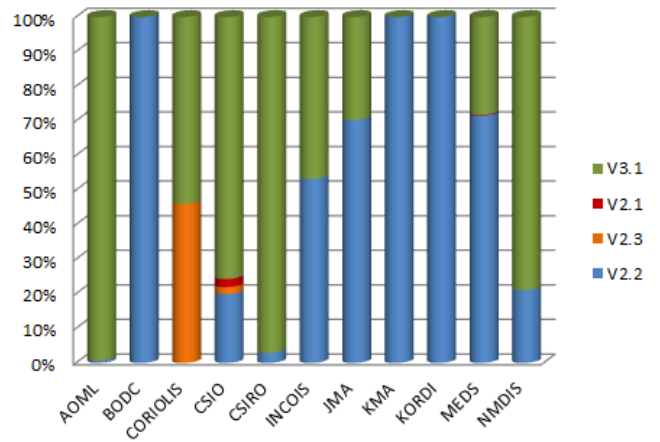
Float (with profiles)



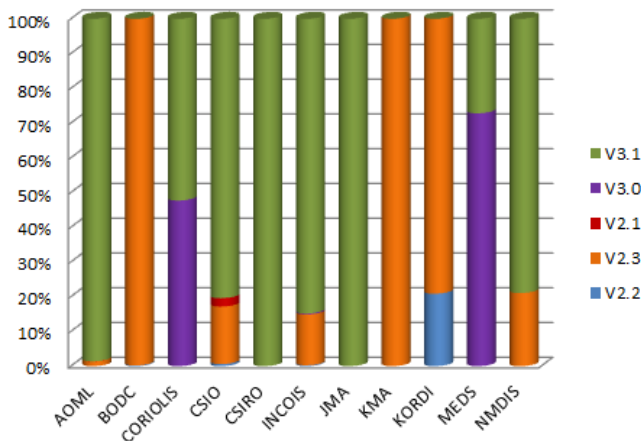
Metadata files



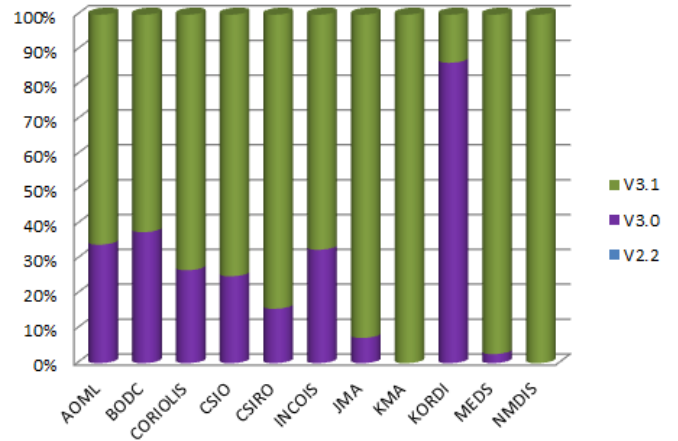
Trajectory files



Technical files



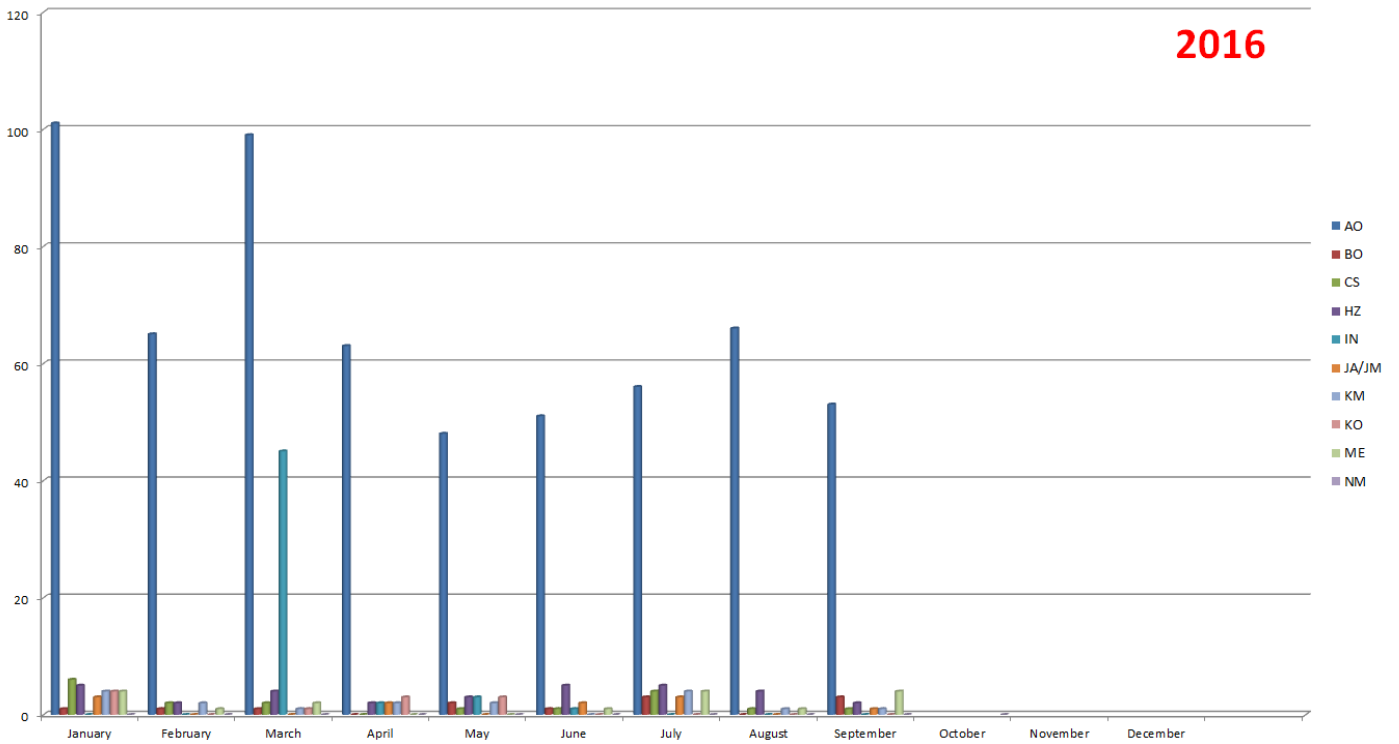
Multiprofile files



15. Statistics on anomalies

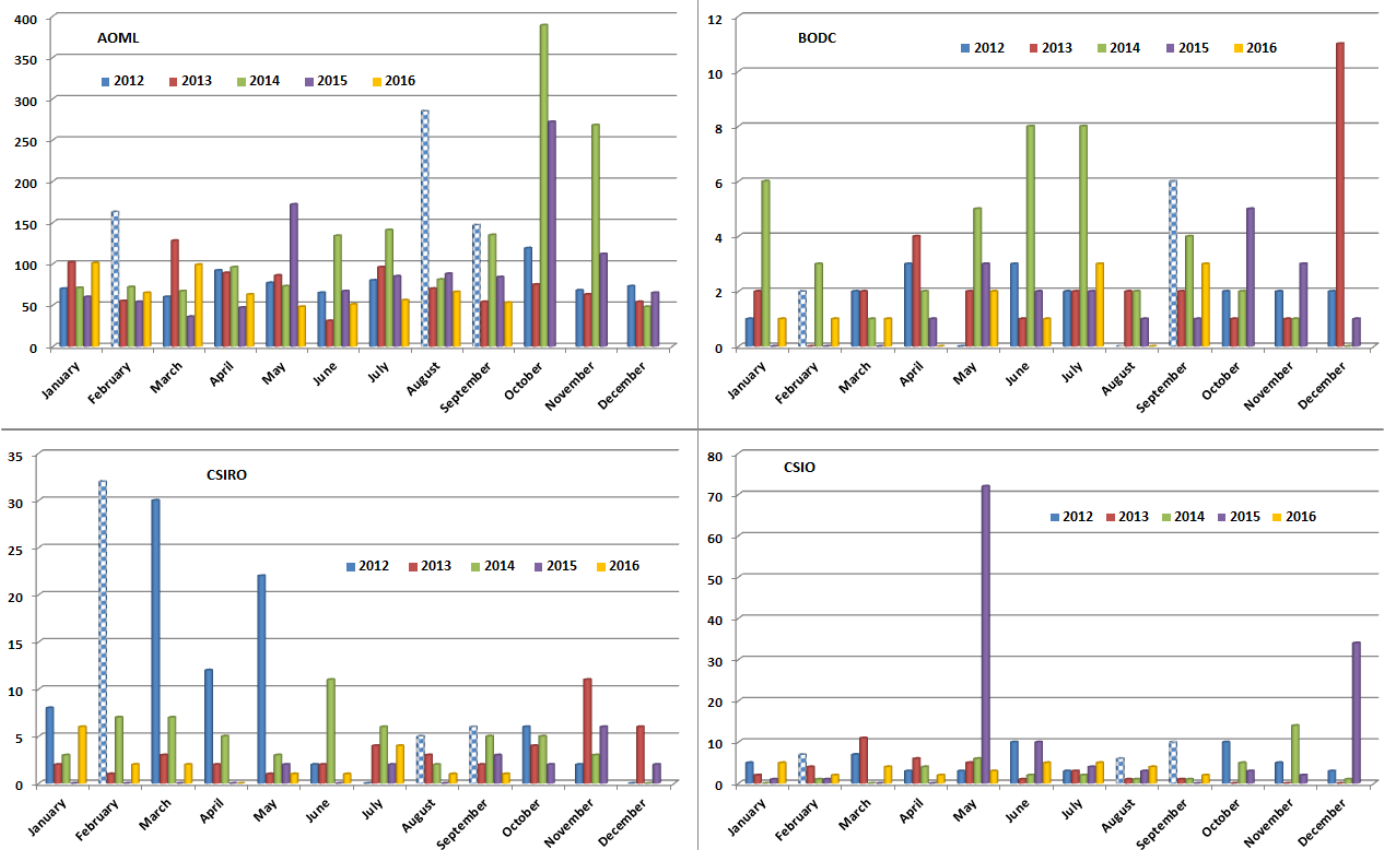
Plots showing evolution of number of anomalies by DAC.

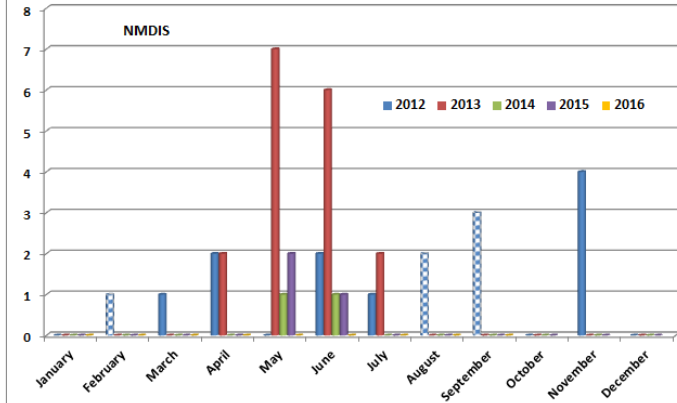
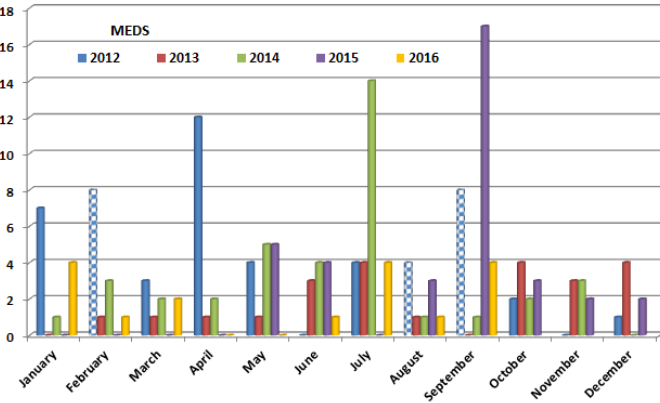
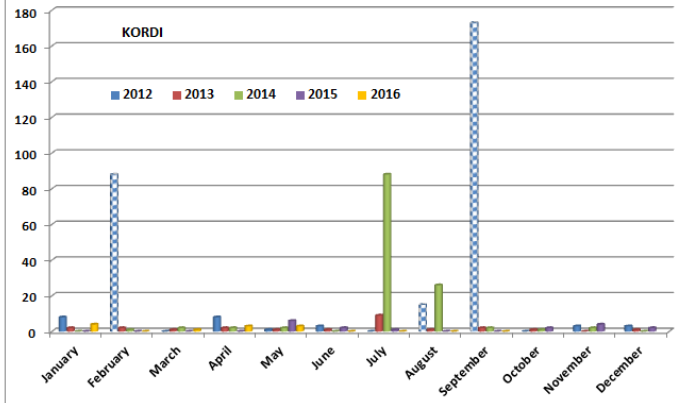
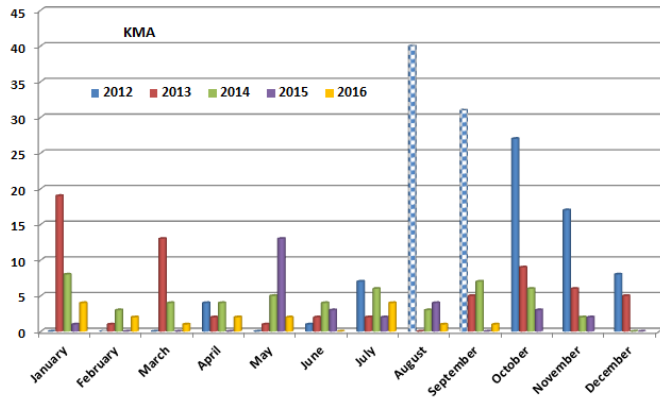
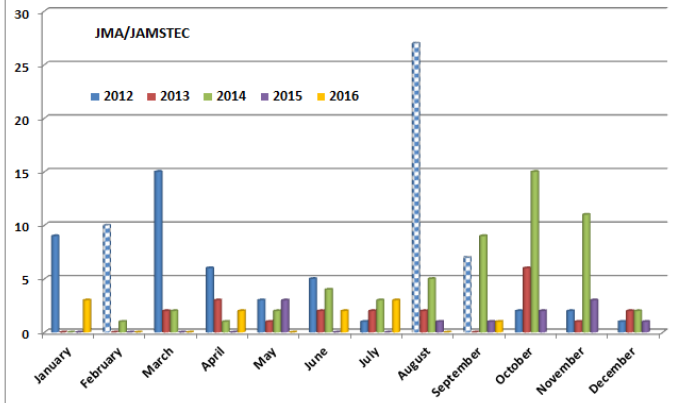
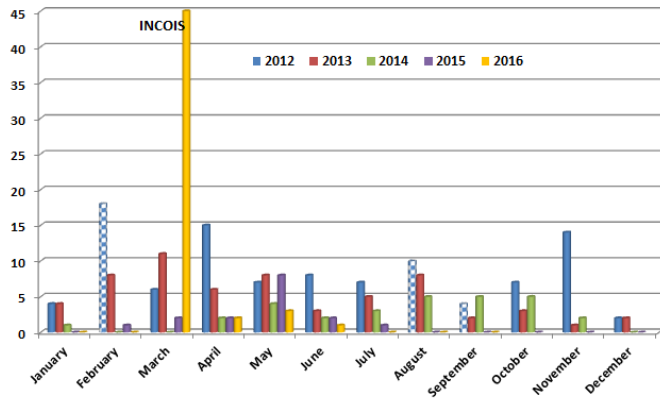
15.1. Year



Year 2016

15.2. DAC





15.3. Anomalies by year, by month

