



Anomalies on Argo profiles

From warning objective analysis, netcdf file analysis

Format version

May 2017

Christine Coatanoan-Girou

Coriolis

NOTES

Anomalies by DAC

Summary

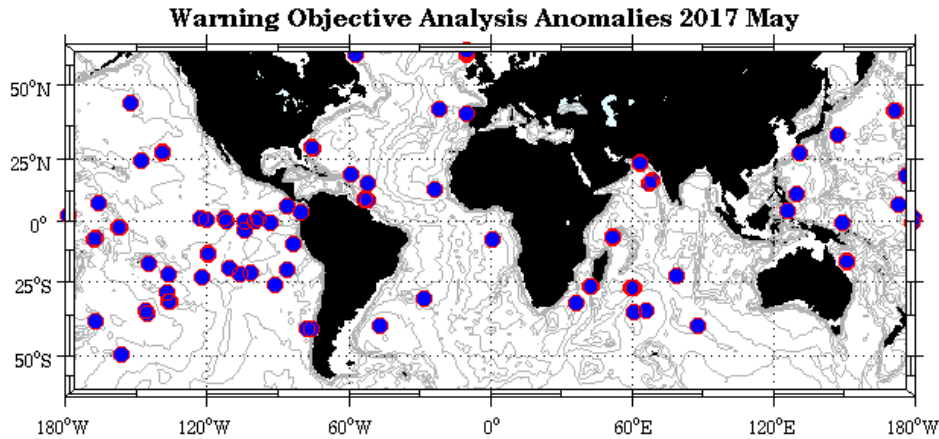
1.	DAC AOML	5
2.	DAC BODC	23
3.	DAC CSIO	25
4.	DAC CSIRO	27
5.	DAC INCOIS	29
6.	DAC JMA/JAMSTEC	31
7.	DAC KMA	33
8.	DAC KORDI	35
9.	DAC MEDS	36
10.	DAC NMDIS	37
11.	File anomalies (GDAC – Real time)	38
11.1.	AOML	38
11.2.	BODC	40
11.3.	CORIOLIS	43
11.4.	CSIO	44
11.5.	CSIRO	45
11.6.	INCOIS	45
11.7.	JMA	46
11.8.	KMA	47
11.9.	KORDI	47
11.10.	MEDS	48
11.11.	NMDIS	48
12.	Delayed Mode anomalies (adjusted fields) – date mode = 'A' or 'D'	48
12.1.	AOML	48
12.2.	BODC	48
12.3.	CSIO	49
12.4.	CSIRO	49
12.5.	INCOIS	49
12.6.	JMA/JAMSTEC	49
12.7.	KMA	49
12.8.	NMDIS	49

13.	Automatic Tests (June's version)	51
14.	Statistics on floats and format version (May 2017).....	52
15.	Statistics on anomalies	53
15.1.	Year	53
15.2.	DAC	54
15.3.	Anomalies by year, by month	55

1. DAC AOML

Profiles detected by the objective analysis:112 profiles (69 floats, but floats can have several cycles with anomalies)

Data_mode ='R'	Data_mode ='A'	Data_mode ='D'
29 cycles	83 cycles	0 cycle



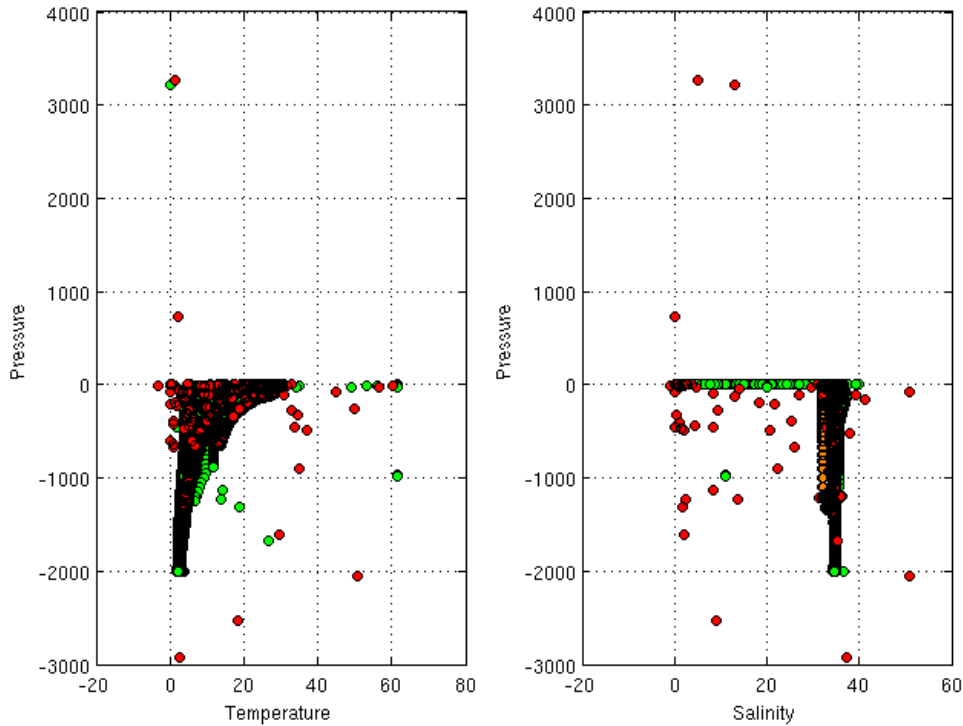
Status of corrections: Done for few profiles – still bad QC no corrected

In blue: floats with multipfiles.

- Float : 1901501 - Cycle : 219 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2017 4 27
- Float : 1901501 - Cycle : 221 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2017 5 17
- Float : 1901522 - Cycle : 145 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2017 4 23
- Float : 1901522 - Cycle : 146 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2017 4 27
- Float : 1901522 - Cycle : 147 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2017 5 1
- Float : 1901522 - Cycle : 148 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2017 5 4
- Float : 1901522 - Cycle : 149 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2017 5 8
- Float : 1901522 - Cycle : 150 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2017 5 11
- Float : 1901522 - Cycle : 151 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2017 5 15
- Float : 1901642 - Cycle : 165 - PI : BRECK OWENS - Data mode : R - Platform type : S2A - WMO inst type : 854 - FLOAT SERIAL : 7068 - Date : 2017 5 20
- Float : 1901654 - Cycle : 134 - PI : BRECK OWENS, STEVE JAYNE, P.E. ROBBINS - Data mode : R - INST REF : - Date : 2017 5 13
- Float : 1901712 - Cycle : 119 - PI : BRECK OWENS, STEVE JAYNE, P.E. ROBBINS - Data mode : R - Platform type : S2A - WMO inst type : 854 - FLOAT SERIAL : 7186 - Date : 2017 4 29
- Float : 1901803 - Cycle : 52 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2017 4 11
- Float : 1901803 - Cycle : 53 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2017 4 21
- Float : 1901803 - Cycle : 54 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2017 5 1
- Float : 1902032 - Cycle : 18 - PI : DEAN ROEMMICH - Data mode : R - Platform type : SOLO_II - WMO inst type : 853 - FLOAT SERIAL : 8500 - Date : 2017 4 23
- Float : 1902033 - Cycle : 19 - PI : DEAN ROEMMICH - Data mode : R - Platform type : SOLO_II - WMO inst type : 853 - FLOAT SERIAL : 8501 - Date : 2017 5 3
- Float : 1902067 - Cycle : 17 - PI : BRECK OWENS, STEVEN JAYNE, P.E. ROBBINS - Data mode : R - Platform type : S2A - WMO inst type : 854 - FLOAT SERIAL : 7402 - Date : 2017 5 21
- Float : 2901466 - Cycle : 282 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2017 4 30
- Float : 2901466 - Cycle : 284 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2017 5 8
- Float : 2901466 - Cycle : 285 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2017 5 12
- Float : 2901466 - Cycle : 288 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2017 5 24
- Float : 2902402 - Cycle : 101 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2017 5 7
- Float : 3900659 - Cycle : 321 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2017 5 25
- Float : 3901154 - Cycle : 151 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2017 5 14
- Float : 3901159 - Cycle : 176 - PI : DEAN ROEMMICH - Data mode : R - Platform type : SOLO_II - WMO inst type : 853 - FLOAT SERIAL : 8201 - Date : 2017 5 20
- Float : 3901176 - Cycle : 107 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2017 5 13
- Float : 3901186 - Cycle : 115 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2017 5 12
- Float : 3901243 - Cycle : 4 - PI : BRECK OWENS, STEVEN JAYNE, P.E. ROBBINS - Data mode : R - Platform type : S2A - WMO inst type : 854 - FLOAT SERIAL : 7409 - Date : 2017 5 13
- Float : 3901251 - Cycle : 18 - PI : DEAN ROEMMICH - Data mode : R - Platform type : SOLO_II - WMO inst type : 853 - FLOAT SERIAL : 8541 - Date : 2017 5 27
- Float : 3901252 - Cycle : 17 - PI : DEAN ROEMMICH - Data mode : R - Platform type : SOLO_II - WMO inst type : 853 - FLOAT SERIAL : 8542 - Date : 2017 5 17
- Float : 3901253 - Cycle : 20 - PI : DEAN ROEMMICH - Data mode : R - Platform type : SOLO_II - WMO inst type : 853 - FLOAT SERIAL : 8543 - Date : 2017 5 10
- Float : 3901258 - Cycle : 10 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2017 5 7
- Float : 3901263 - Cycle : 86 - PI : CARL SZCZECZOWSKI - Data mode : R - Platform type : S2A - WMO inst type : 854 - FLOAT SERIAL : 10019 - Date : 2017 5 5
- Float : 3901270 - Cycle : 21 - PI : DEAN ROEMMICH - Data mode : R - Platform type : SOLO_II - WMO inst type : 853 - FLOAT SERIAL : 8546 - Date : 2017 5 1
- Float : 4901219 - Cycle : 237 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2017 5 26
- Float : 4901435 - Cycle : 192 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2017 5 7
- Float : 4901484 - Cycle : 133 - PI : BRECK OWENS, STEVE JAYNE, P.E. ROBBINS - Data mode : R - Platform type : S2A - WMO inst type : 854 - FLOAT SERIAL : 7169 - Date : 2017 5 2

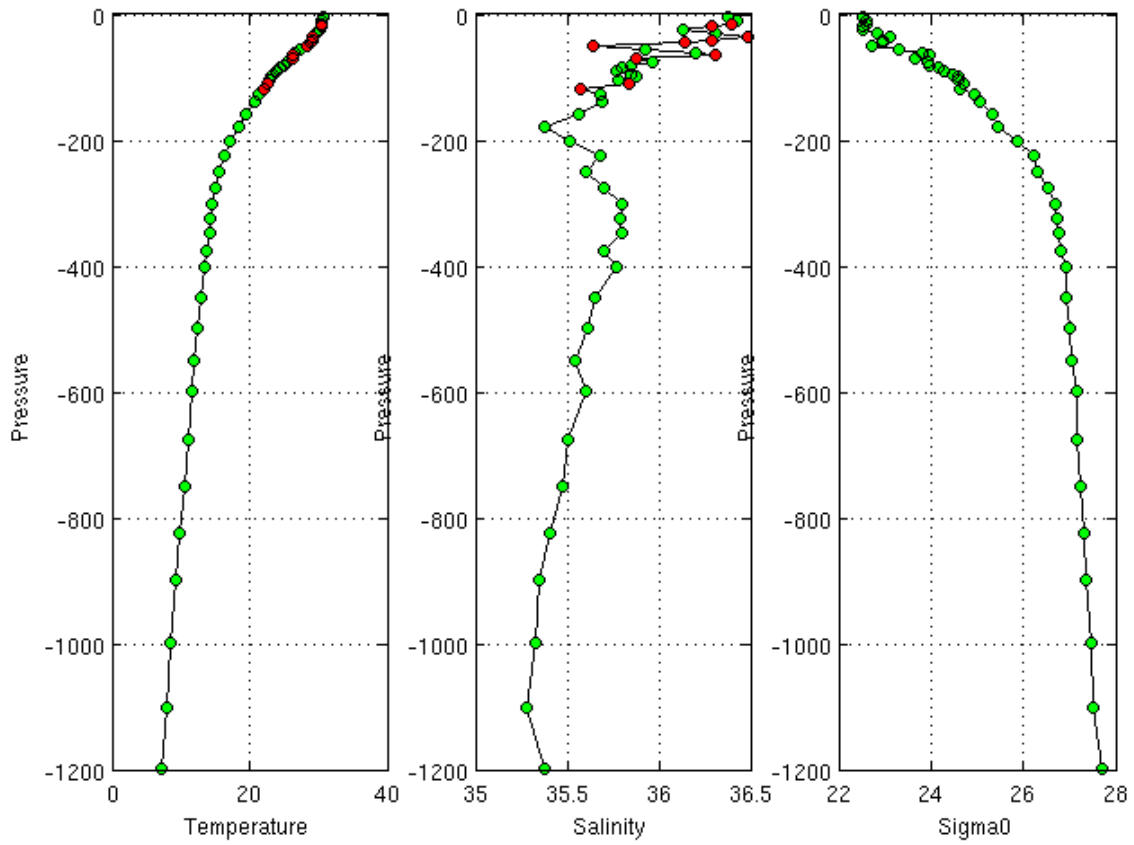
Float : 6900382 - Cycle : 150 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2017 5 7
 Float : 6900382 - Cycle : 151 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2017 5 11
 Float : 6900382 - Cycle : 152 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2017 5 15

Warning Objective Analysis Anomalies 2017 May TEMP PSAL - DAC AO

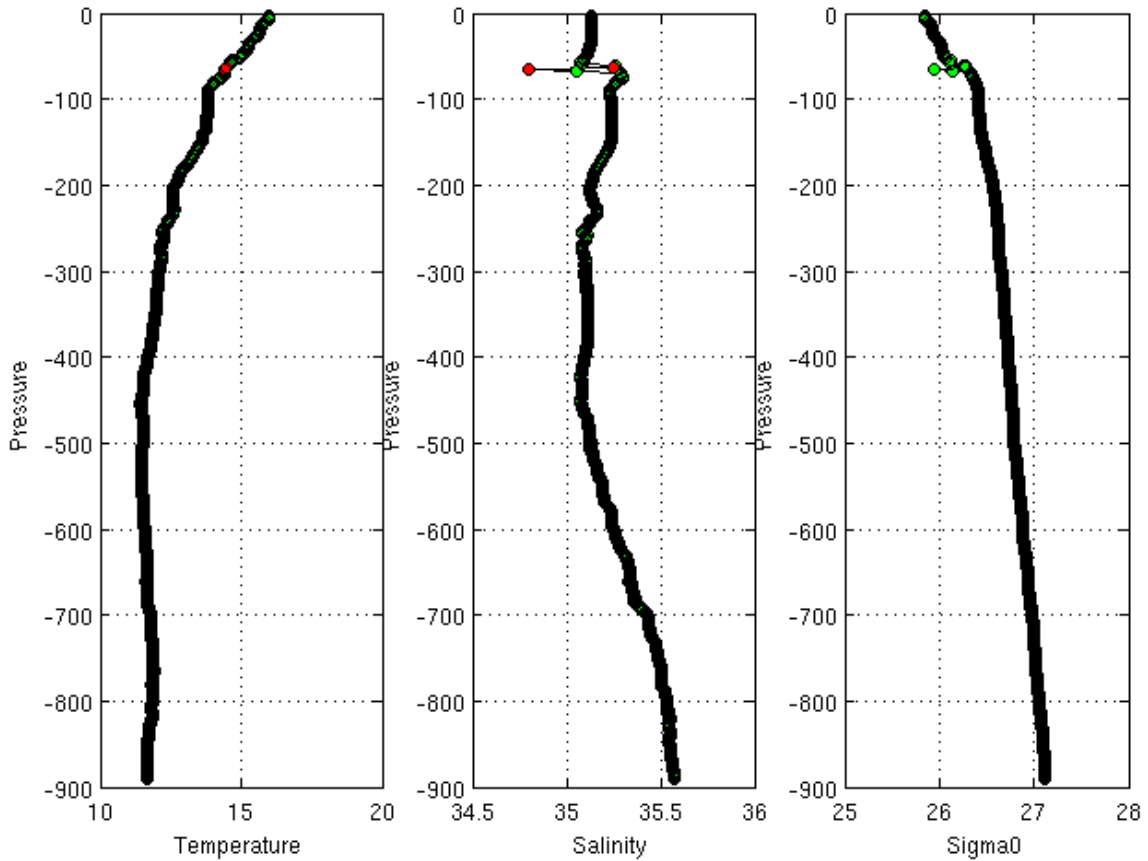


DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
 AO,1901501,219,27/04/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52376054 ,PSAL,2,2,1,4
 AO,1901501,221,17/05/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52524612 ,PSAL,2,2,1,4
 AO,1901522,145,18/05/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52524962 ,PSAL,4,2,655.6,1,3
 AO,1901522,145,18/05/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52524962 ,PSAL_ADJUSTED,4,2,655.6,1,3
 AO,1901522,145,18/05/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52524962 ,TEMP,4,2,655.6,1,3
 AO,1901522,145,18/05/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52524962 ,TEMP_ADJUSTED,4,2,655.6,1,3
 AO,1901522,146,27/04/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52376058 ,PSAL,2,9,645.4,1,3
 AO,1901522,146,27/04/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52376058 ,PSAL_ADJUSTED,2,9,645.4,1,3
 AO,1901522,146,27/04/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52376058 ,TEMP,2,9,645.4,1,3
 AO,1901522,146,27/04/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52376058 ,TEMP_ADJUSTED,2,9,645.4,1,3
 AO,1901522,147,01/05/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52397897 ,PSAL,4,1,638,1,3
 AO,1901522,147,01/05/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52397897 ,PSAL,652,654.4,1,3
 AO,1901522,147,01/05/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52397897 ,PSAL_ADJUSTED,4,1,638,1,3
 AO,1901522,147,01/05/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52397897 ,PSAL_ADJUSTED,652,654.4,1,3
 AO,1901522,147,01/05/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52397897 ,TEMP,4,1,638,1,3
 AO,1901522,147,01/05/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52397897 ,TEMP,652,654.4,1,3
 AO,1901522,147,01/05/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52397897 ,TEMP_ADJUSTED,4,1,638,1,3
 AO,1901522,147,01/05/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52397897 ,TEMP_ADJUSTED,652,654.4,1,3
 AO,1901522,148,05/05/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52429950 ,PSAL,4,646,1,3
 AO,1901522,148,05/05/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52429950 ,PSAL_ADJUSTED,4,646,1,3
 AO,1901522,148,05/05/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52429950 ,TEMP,4,646,1,3
 AO,1901522,148,05/05/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52429950 ,TEMP_ADJUSTED,4,646,1,3
 AO,1901522,148,16/05/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52429950 ,PSAL_ADJUSTED,4,646,1,3
 AO,1901522,148,16/05/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52429950 ,TEMP,4,646,1,3
 AO,1901522,148,16/05/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52429950 ,TEMP_ADJUSTED,4,646,1,3
 AO,1901522,149,08/05/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52451172 ,PSAL,4,1,623.9,1,3
 AO,1901522,149,08/05/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52451172 ,PSAL,630,644.3,1,4
 AO,1901522,149,08/05/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52451172 ,PSAL_ADJUSTED,4,1,623.9,1,3
 AO,1901522,149,08/05/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52451172 ,PSAL_ADJUSTED,630,644.3,1,4
 AO,1901522,149,08/05/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52451172 ,TEMP,4,1,623.9,1,3
 AO,1901522,149,08/05/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52451172 ,TEMP,630,644.3,1,4
 AO,1901522,149,08/05/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52451172 ,TEMP_ADJUSTED,4,1,623.9,1,3
 AO,1901522,149,08/05/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52451172 ,TEMP_ADJUSTED,630,644.3,1,4
 AO,1901522,150,12/05/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52486449 ,PSAL,4,1,598,1,3
 AO,1901522,150,12/05/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52486449 ,PSAL,604,651.5,1,4
 AO,1901522,150,12/05/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52486449 ,PSAL_ADJUSTED,4,1,598,1,3
 AO,1901522,150,12/05/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52486449 ,PSAL_ADJUSTED,604,651.5,1,4
 AO,1901522,150,12/05/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52486449 ,TEMP,4,1,598,1,3
 AO,1901522,150,12/05/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52486449 ,TEMP,604,651.5,1,4

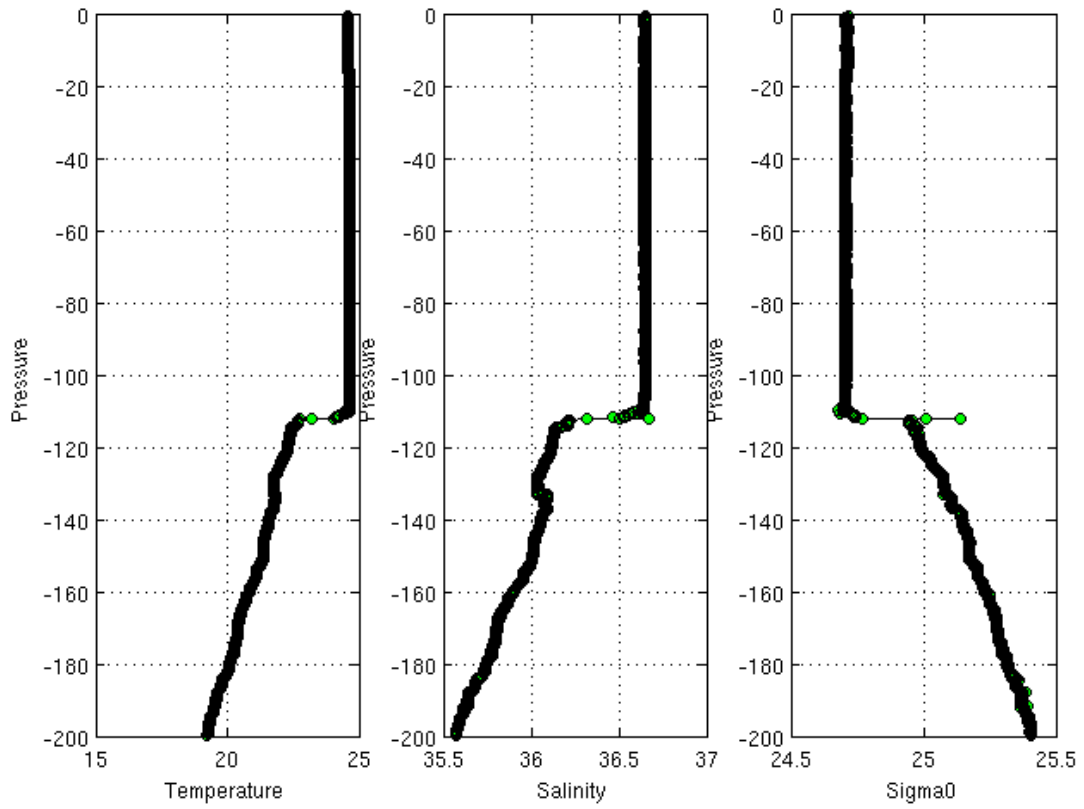
Warning Objective Analysis Anomalies 2017 May TEMP PSAL : DAC AO- Float 2901466-288



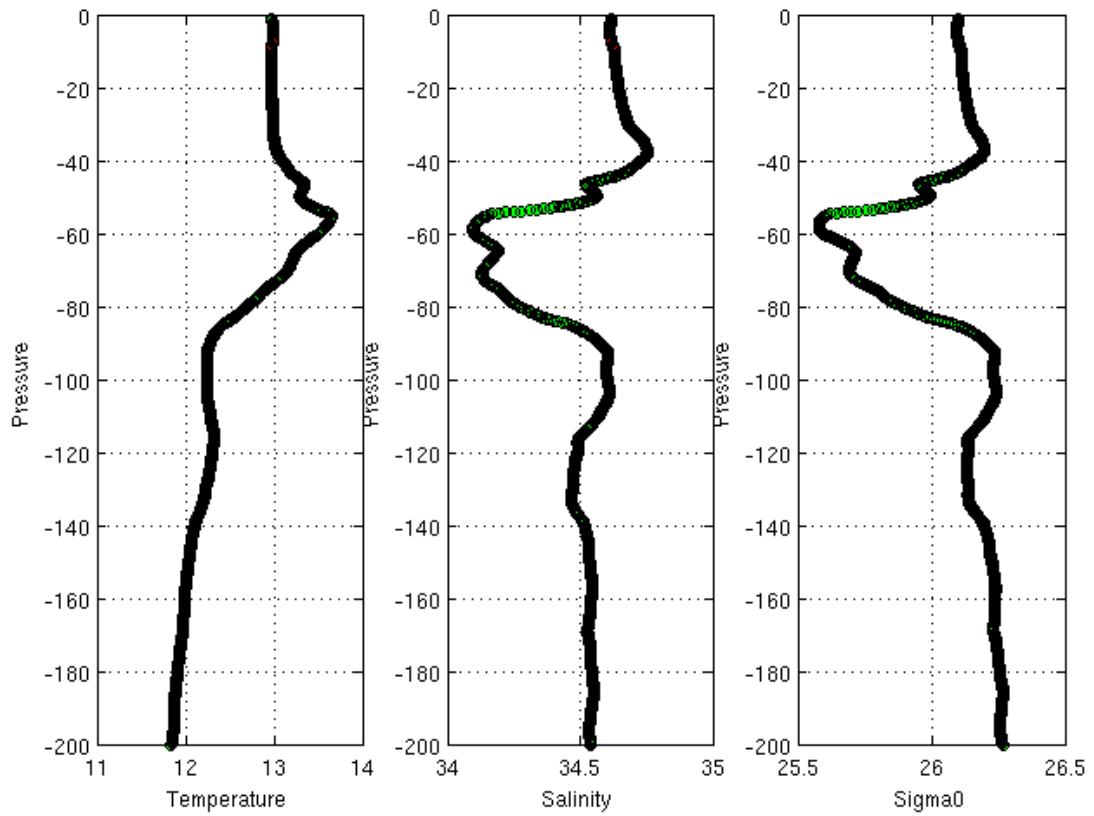
Warning Objective Analysis Anomalies 2017 May TEMP PSAL : DAC AO- Float 2902402-101



Warning Objective Analysis Anomalies 2017 May TEMP PSAL : DAC AO- Float 3901252-17



Warning Objective Analysis Anomalies 2017 May TEMP PSAL : DAC AO- Float 5902496-17

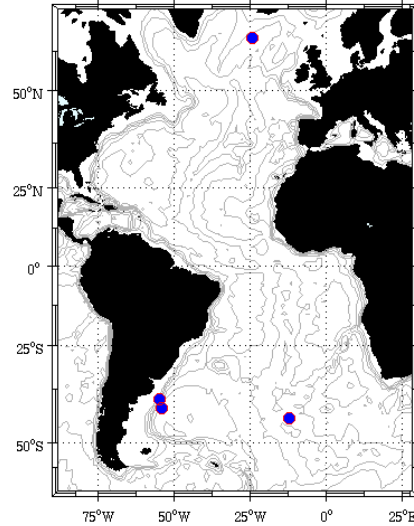


2. DAC BODC

Profiles detected by the objective analysis: 4 profiles (4 floats – float can have several cycles with anomalies)

Data_mode ='R'	Data_mode ='A'	Data_mode ='D'
4 cycles	0 cycle	0 cycle

Warning Objective Analysis Anomalies 2017 May



Status of corrections: Correction done for some profiles, some feedback, still profiles to correct.

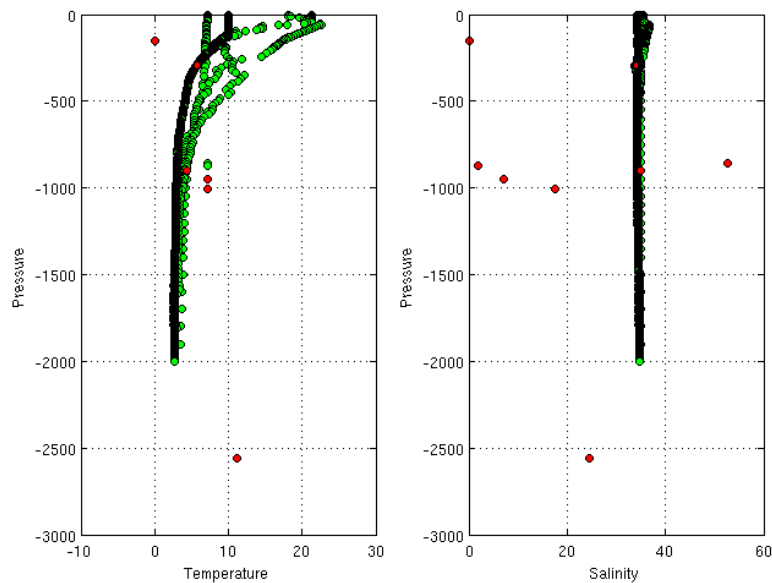
Float : 3901889 - Cycle : 4 - PI : Andreas Sterl - Data mode : R - Platform type : ARVOR - WMO inst type : 844 - FLOAT SERIAL : AI2600-16FR052 - Date : 2017 5 8

Float : 3901893 - Cycle : 13 - PI : Josep Llu s Pelegr - Data mode : R - Platform type : ARVOR - WMO inst type : 844 - FLOAT SERIAL : AI2600-16FR056 - Date : 2017 4 28

Float : 3901894 - Cycle : 10 - PI : Josep Llu s Pelegr - Data mode : R - Platform type : ARVOR - WMO inst type : 844 - FLOAT SERIAL : AI2600-16FR057 - Date : 2017 4 25

Float : 6901170 - Cycle : 104 - PI : Jon Turton - Data mode : R - INST REF : - Date : 2017 5 1

Warning Objective Analysis Anomalies 2017 May TEMP PSAL - DAC BO

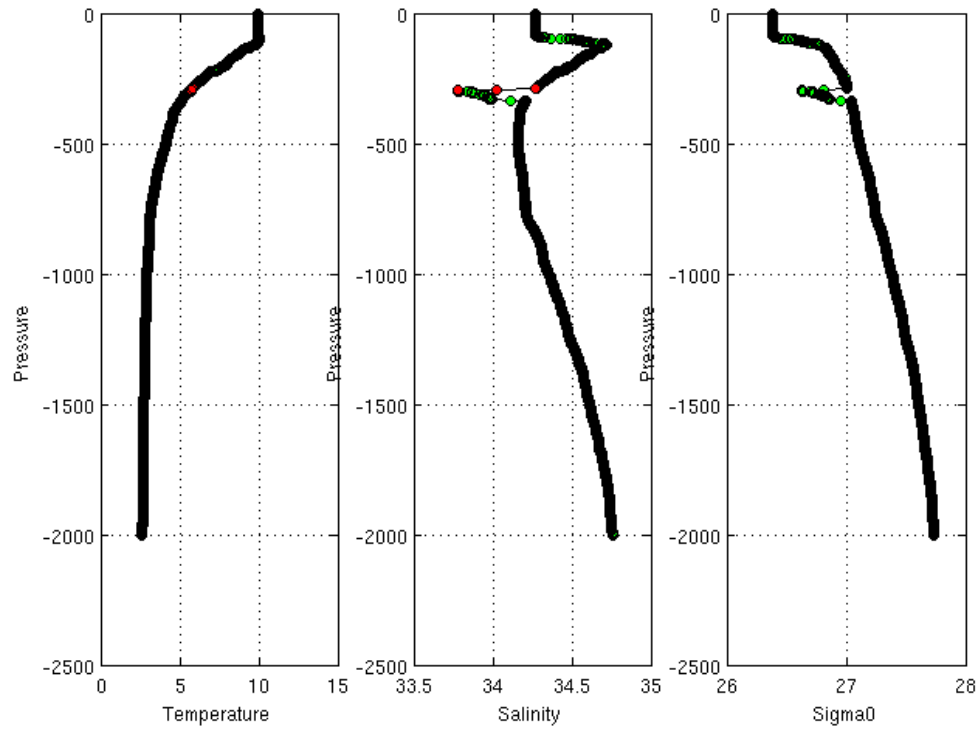


DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
 BO,3901889,4,08/05/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=52451149> ,PSAL,297.8,333.5,1,4
 BO,3901893,13,28/04/2017 00:00:00,D,<http://www.ifremer.fr/co-argoFloats/station?stationId=52378792> ,PSAL,167.6,167.6,1,4
 BO,3901893,13,28/04/2017 00:00:00,D,<http://www.ifremer.fr/co-argoFloats/station?stationId=52378792> ,PSAL,280,280,1,4

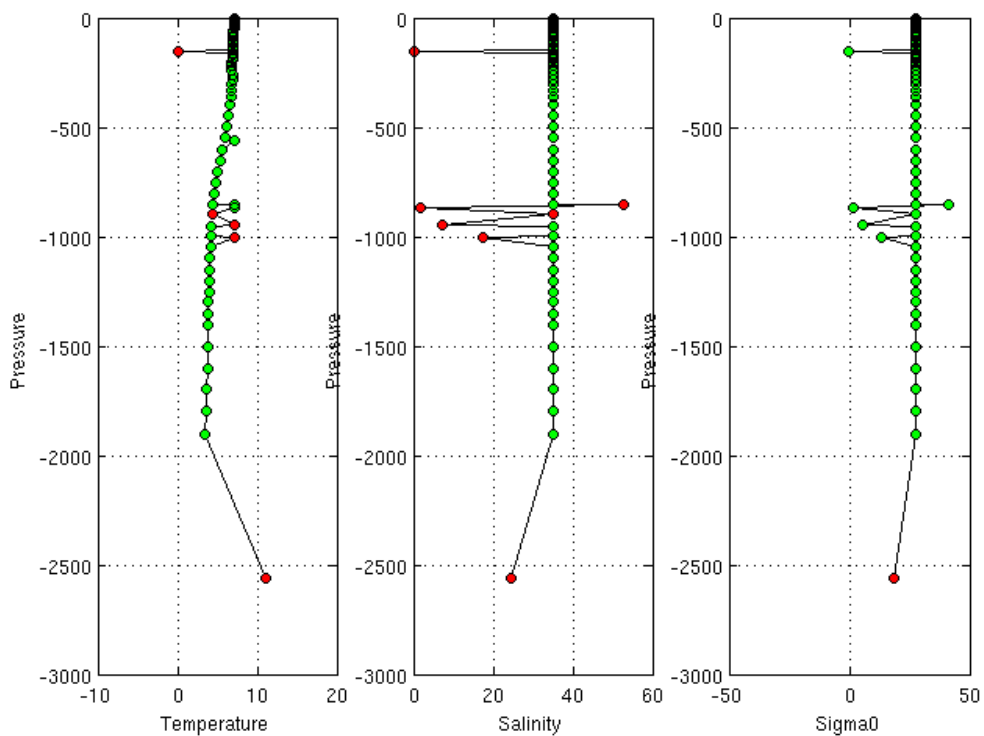
BO,3901893,13,28/04/2017 00:00:00,D,<http://www.ifremer.fr/co-argoFloats/station?stationId=52378792> ,PSAL,359.7,359.7,1,4
 BO,3901894,10,25/04/2017 00:00:00,D,<http://www.ifremer.fr/co-argoFloats/station?stationId=52348956> ,PSAL,327.6,342.4,1,4
 BO,3901894,10,25/04/2017 00:00:00,D,<http://www.ifremer.fr/co-argoFloats/station?stationId=52348956> ,PSAL,391.4,391.4,1,4
 BO,6901170,104,02/05/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=52414993> ,TEMP,562.8,562.8,1,4
 BO,6901170,104,02/05/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=52414993> ,TEMP,855,870.2,1,4

Example of corrections:

Warning Objective Analysis Anomalies 2017 May TEMP PSAL : DAC BO- Float 3901889-4



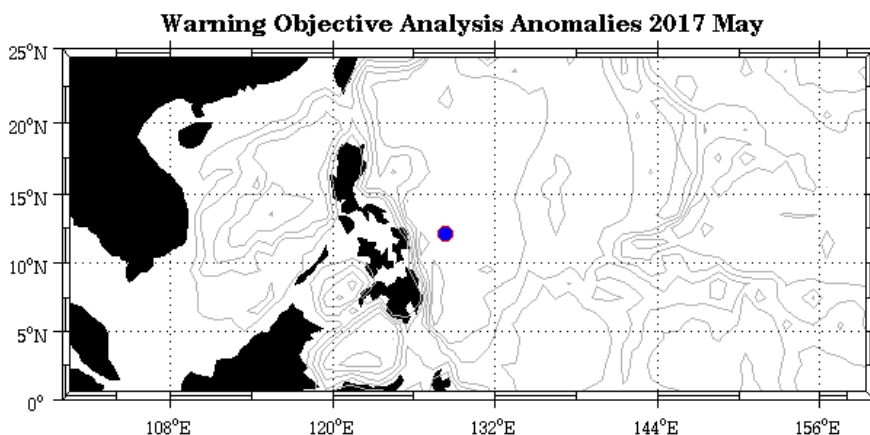
Warning Objective Analysis Anomalies 2017 May TEMP PSAL : DAC BO- Float 6901170-104



3. DAC CSIO

Profiles detected by the objective analysis: 1 profile (1 float – float can have several cycles with anomalies)

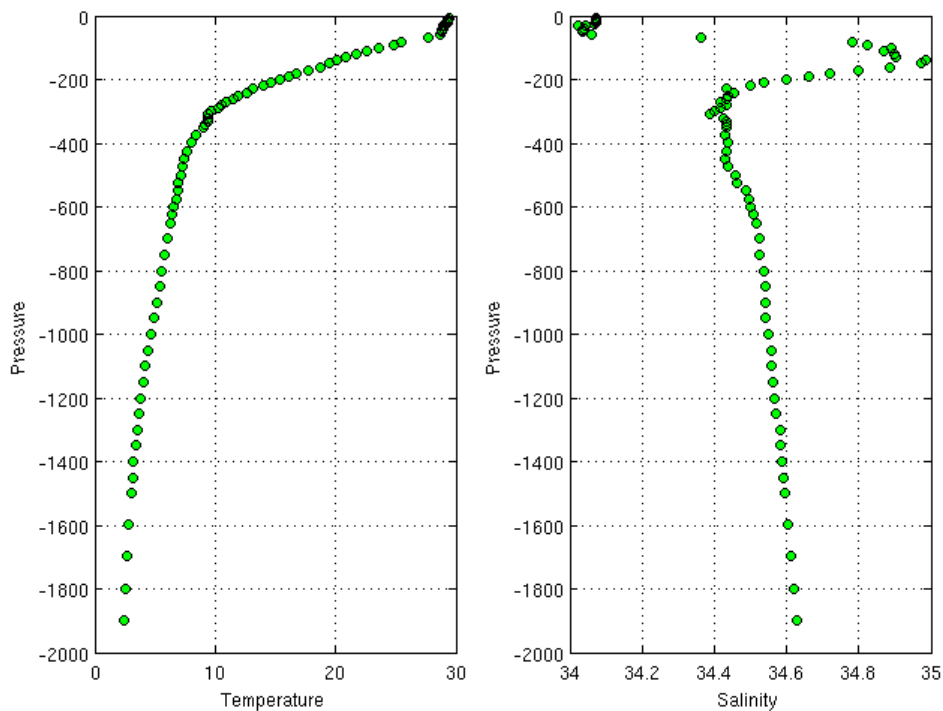
Data_mode ='R'	Data_mode ='A'	Data_mode ='D'
0 cycle	1 cycle	0 cycle



Status of corrections: Correction not done, no feedback

Float : 2901545 - Cycle : 122 - PI : JIANPING XU - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6570 - Date : 2017 4 28

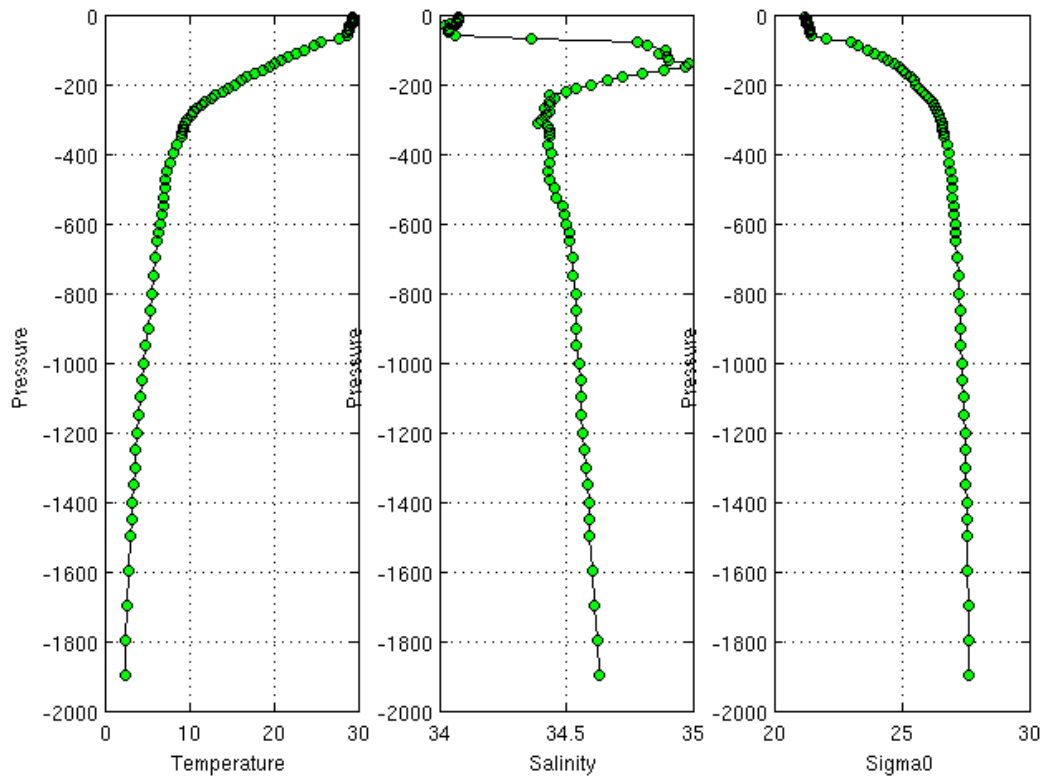
Warning Objective Analysis Anomalies 2017 May TEMP PSAL - DAC HZ



DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
 HZ,2901545,122,29/04/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52379813 ,TEMP,,8,.8,1,4
 HZ,2901545,122,29/04/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52379813 ,TEMP,25.2,25.4,1,4
 HZ,2901545,122,29/04/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52379813 ,TEMP_ADJUSTED,,8,.8,1,4
 HZ,2901545,122,29/04/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52379813 ,TEMP_ADJUSTED,25.2,25.4,1,4

Example of corrections:

Warning Objective Analysis Anomalies 2017 May TEMP PSAL : DAC HZ- Float 2901545-122

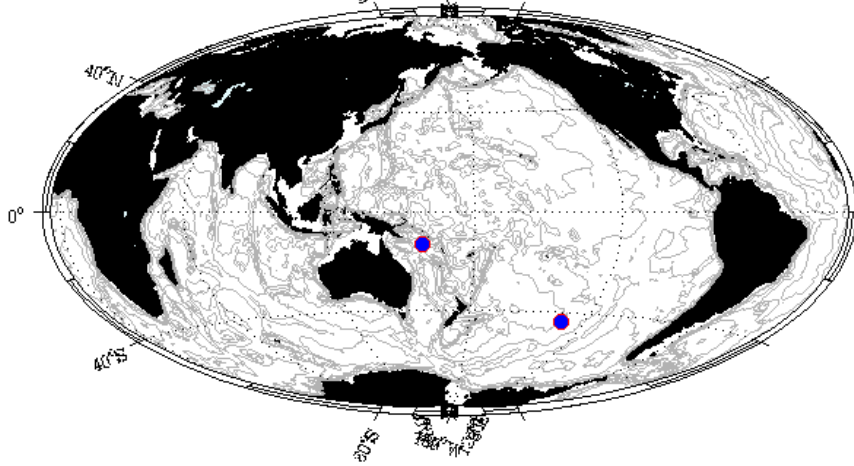


4. DAC CSIRO

Profiles detected by the objective analysis: 2 profiles (2 floats – float can have several cycles with anomalies)

Data_mode ='R'	Data_mode ='A'	Data_mode ='D'
0 cycle	2cycles	0 cycle

Warning Objective Analysis Anomalies 2017 May

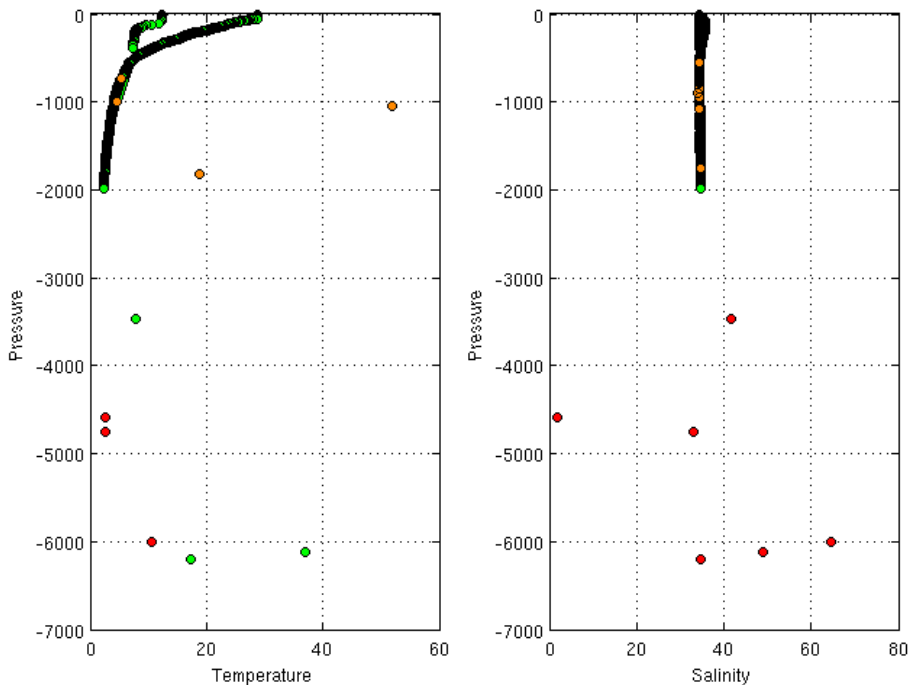


Status of corrections: Corrections done for some, others in progress, feedback.

Float : 5901691 - Cycle : 305 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2017 4 23

Float : 5904252 - Cycle : 141 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2017 5 18

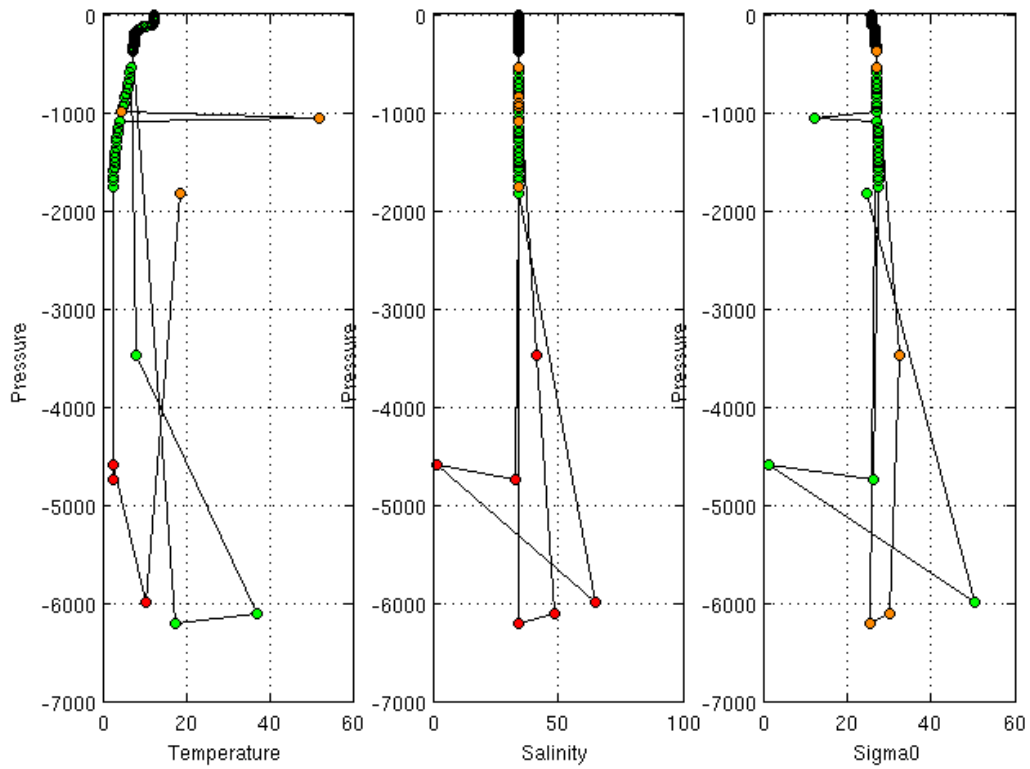
Warning Objective Analysis Anomalies 2017 May TEMP PSAL - DAC CS



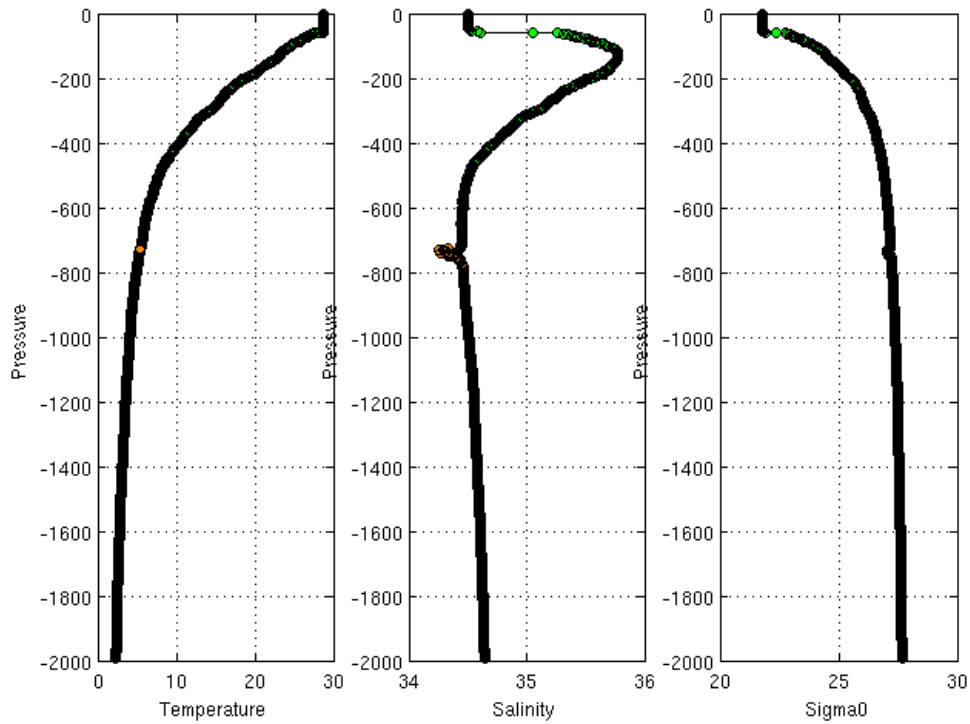
DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
 CS,5901691,305,28/04/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=52342963> ,PSAL_ADJUSTED,900.1,900.1,3,4
 CS,5901691,305,28/04/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=52342963> ,TEMP,1050.5,1050.5,3,4
 CS,5901691,305,28/04/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=52342963> ,TEMP,1822.2,1822.2,3,4
 CS,5901691,305,28/04/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=52342963> ,TEMP,3468.2,6204.8,1,4
 CS,5901691,305,28/04/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=52342963> ,TEMP_ADJUSTED,1050.5,1050.5,3,4
 CS,5901691,305,28/04/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=52342963> ,TEMP_ADJUSTED,1822.2,1822.2,3,4
 CS,5901691,305,28/04/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=52342963> ,TEMP_ADJUSTED,3468.2,6204.8,1,4

Example of corrections:

Warning Objective Analysis Anomalies 2017 May TEMP PSAL : DAC CS- Float 5901691-305



Warning Objective Analysis Anomalies 2017 May TEMP PSAL : DAC CS- Float 5904252-141

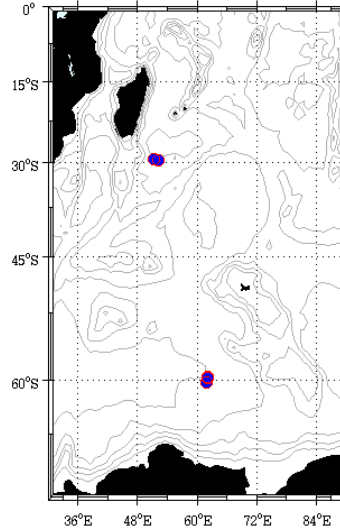


5. DAC INCOIS

Profiles detected by the objective analysis: 5 profiles (2 floats – float can have several cycles with anomalies)

Data_mode ='R'	Data_mode ='A'	Data_mode ='D'
0 cycle	5 cycles	0 cycle

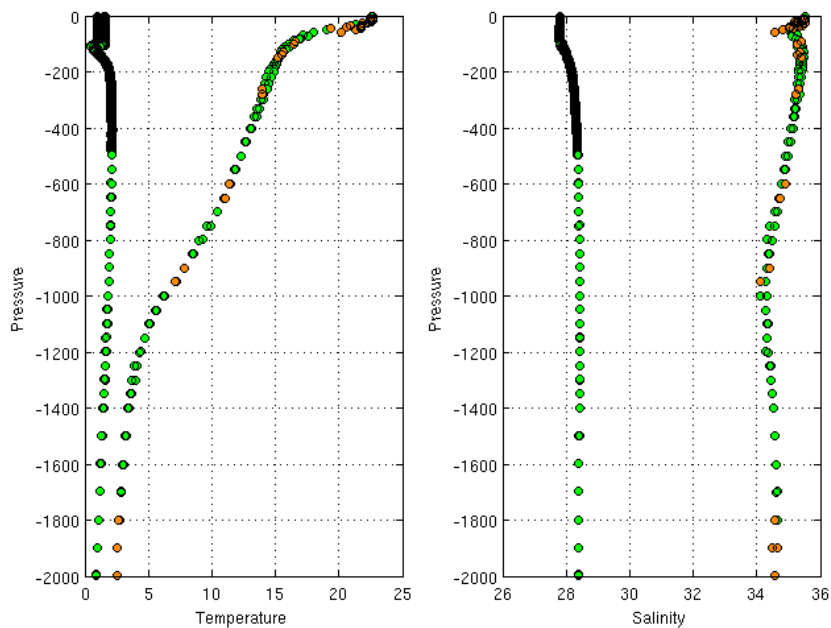
Warning Objective Analysis Anomalies 2017 May



Status of corrections: Correction not done on APEX (updated by Coriolis on GDAC when Provor floats)

Float : 2902164 - Cycle : 84 - PI : M Ravichandran - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 7093 - Date : 2017 4 16
 Float : 2902164 - Cycle : 85 - PI : M Ravichandran - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 7093 - Date : 2017 4 26
 Float : 2902164 - Cycle : 86 - PI : M Ravichandran - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 7093 - Date : 2017 5 6
 Float : 2902166 - Cycle : 83 - PI : M Ravichandran - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 7097 - Date : 2017 4 24
 Float : 2902166 - Cycle : 84 - PI : M Ravichandran - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 7097 - Date : 2017 5 4

Warning Objective Analysis Anomalies 2017 May TEMP PSAL - DAC IN

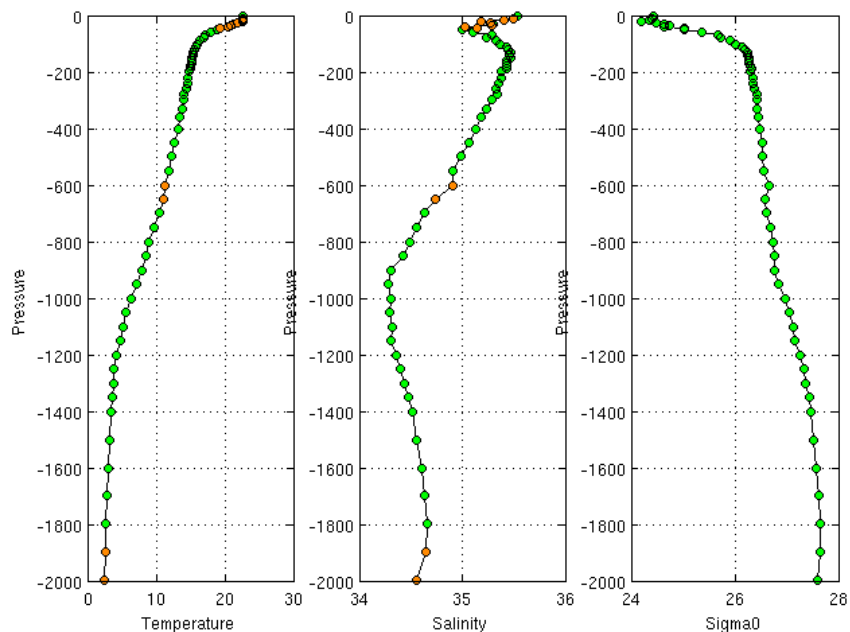


DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
 IN,2902164,84,17/04/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52285690 ,PSAL,3,1995.05,1,3
 IN,2902164,84,17/04/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52285690 ,PSAL_ADJUSTED,3,1995.05,1,3
 IN,2902164,85,26/04/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52364349 ,PSAL,2.9,1898.13,1,3
 IN,2902164,85,26/04/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52364349 ,PSAL_ADJUSTED,2.9,1898.13,1,3
 IN,2902164,86,06/05/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=52436088 ,PSAL,2.7,1996.66,1,3

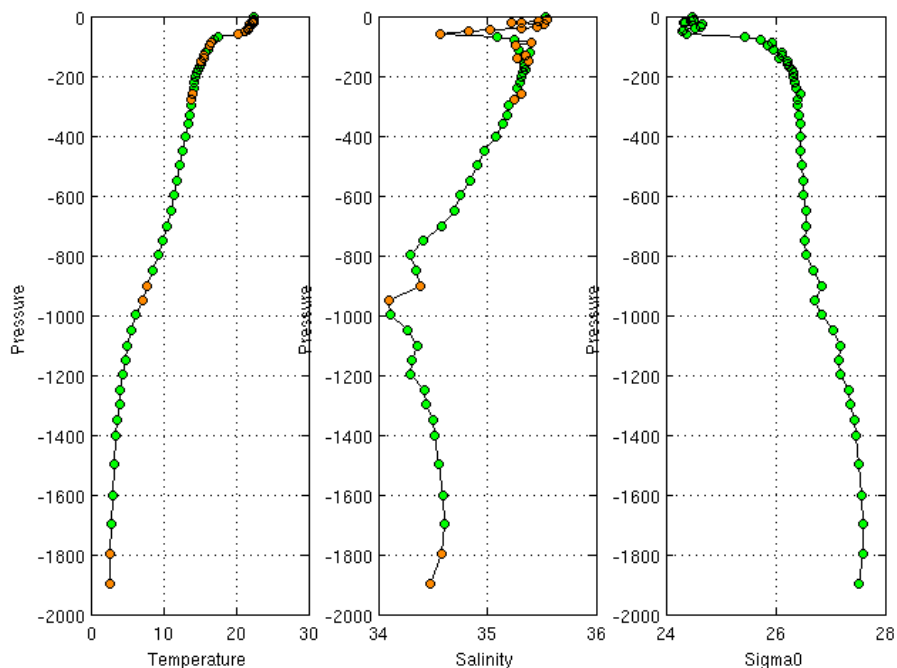
IN,2902164,86,06/05/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=52436088> ,PSAL_ADJUSTED,2.7,1996.66,1,3
 IN,2902166,83,27/04/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=52348934> ,PSAL,1899.8,1999.6,3,4
 IN,2902166,83,27/04/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=52348934> ,PSAL_ADJUSTED,1899.8,1999.6,3,4
 IN,2902166,84,07/05/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=52432356> ,PSAL,1150.4,1199.2,1,3
 IN,2902166,84,07/05/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=52432356> ,PSAL,700,799.3,1,3
 IN,2902166,84,07/05/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=52432356> ,PSAL,999.3,999.3,1,3
 IN,2902166,84,07/05/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=52432356> ,PSAL_ADJUSTED,1150.4,1199.2,1,3
 IN,2902166,84,07/05/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=52432356> ,PSAL_ADJUSTED,749.3,799.3,1,3
 IN,2902166,84,07/05/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=52432356> ,PSAL_ADJUSTED,999.3,999.3,1,3

Example of corrections:

Warning Objective Analysis Anomalies 2017 May TEMP PSAL : DAC IN- Float 2902166-83



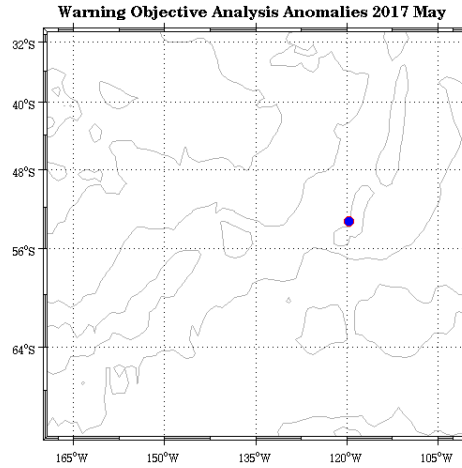
Warning Objective Analysis Anomalies 2017 May TEMP PSAL : DAC IN- Float 2902166-84



6. DAC JMA/JAMSTEC

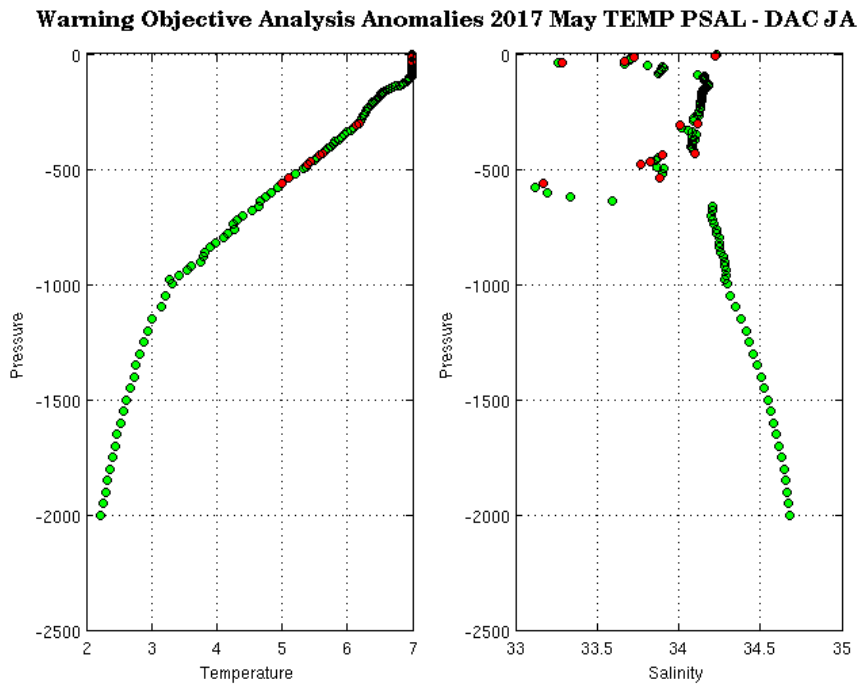
Profiles detected by the objective analysis: 1 profile (1 float – float can have several cycles with anomalies)

Data_mode ='R'	Data_mode ='A'	Data_mode ='D'
1 cycle	0 cycle	0 cycle



Status of corrections: Not done

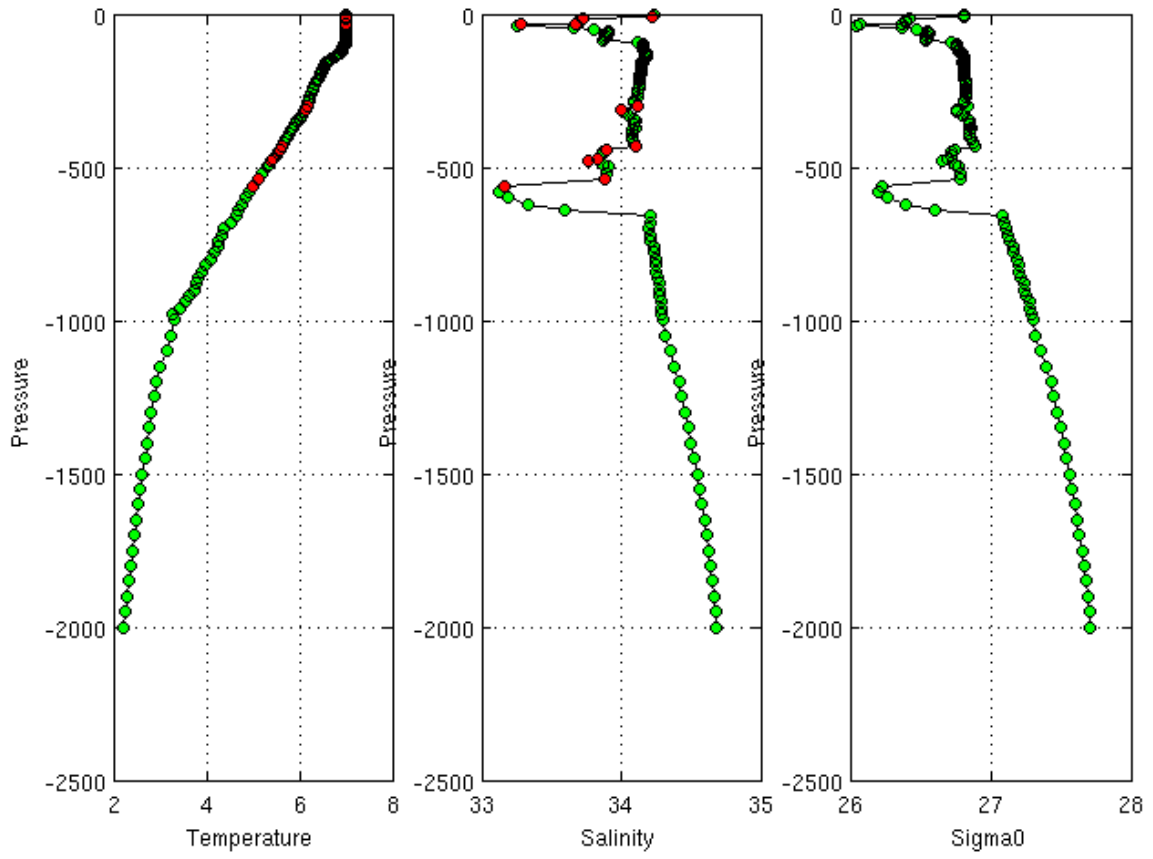
Float : 5905052 - Cycle : 7 - PI : JAMSTEC - Data mode : R - INST REF : - Date : 2017 5 4



DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
 JA,5905052,7,08/05/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=52432315> ,PSAL,21,24.9,1,4
 JA,5905052,7,08/05/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=52432315> ,PSAL,320.7,330.6,1,4
 JA,5905052,7,08/05/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=52432315> ,PSAL,40.3,90.3,1,4
 JA,5905052,7,08/05/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=52432315> ,PSAL,450.6,460.1,1,4
 JA,5905052,7,08/05/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=52432315> ,PSAL,490.5,519.6,1,4
 JA,5905052,7,08/05/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=52432315> ,PSAL,579.4,639.8,1,4

Example of anomalies:

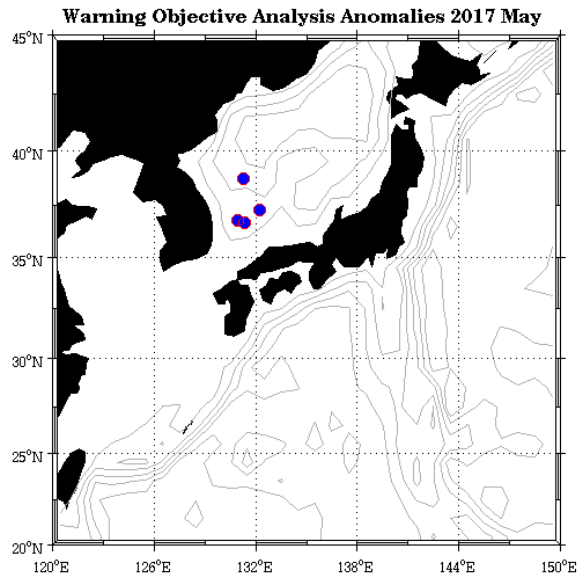
Warning Objective Analysis Anomalies 2017 May TEMP PSAL : DAC JA- Float 5905052-7



7. DAC KMA

Profiles detected by the objective analysis: 4 profiles (3 floats – float can have several cycles with anomalies)

Data_mode ='R'	Data_mode ='A'	Data_mode ='D'
4 cycles	0 cycle	0 cycle



Status of corrections: Correction not done

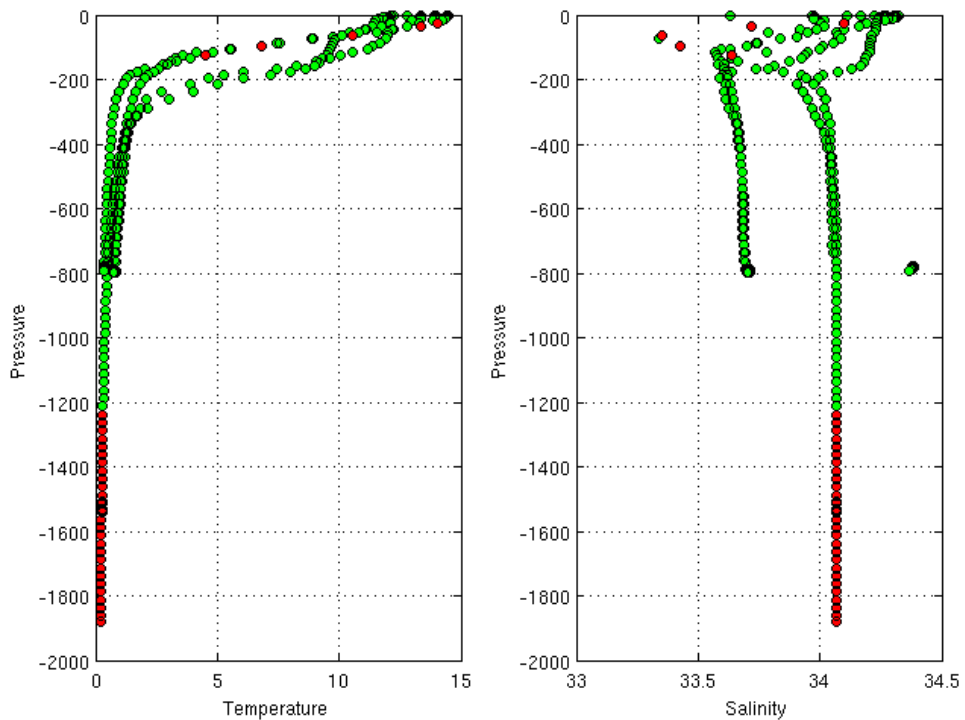
Float : 2901724 - Cycle : 140 - PI : Youngsoo Jeon - Data mode : R - INST REF : - Date : 2017 4 11

Float : 2901724 - Cycle : 142 - PI : Youngsoo Jeon - Data mode : R - INST REF : - Date : 2017 4 25

Float : 2901750 - Cycle : 40 - PI : Jaeyoung Byon - Data mode : R - INST REF : - Date : 2017 5 6

Float : 2901759 - Cycle : 27 - PI : Jaeyoung Byon - Data mode : R - INST REF : - Date : 2017 4 26

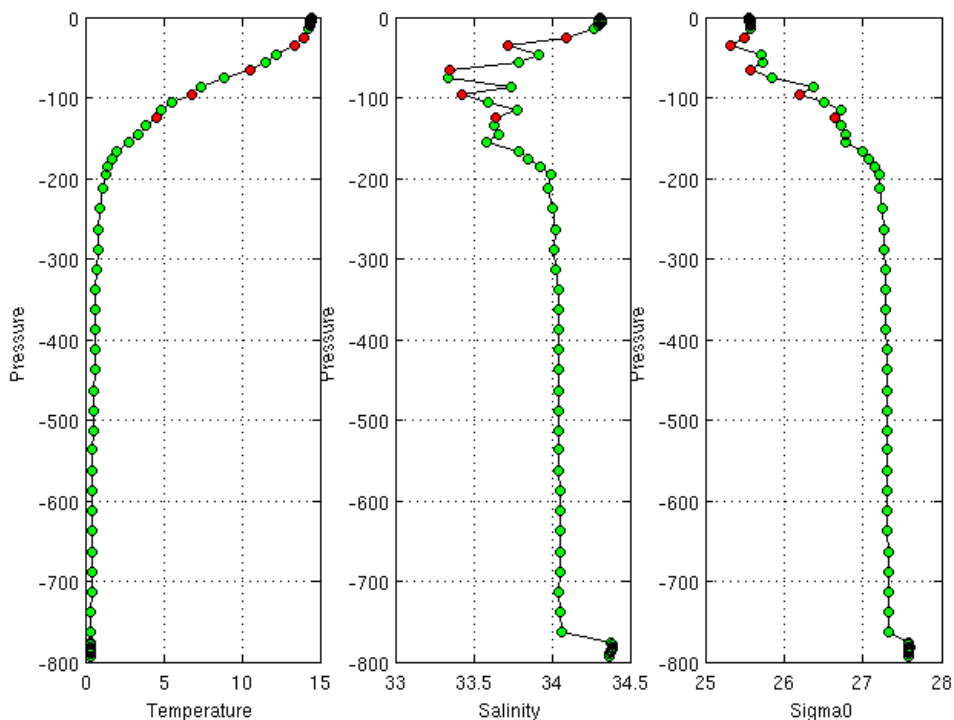
Warning Objective Analysis Anomalies 2017 May TEMP PSAL - DAC KM



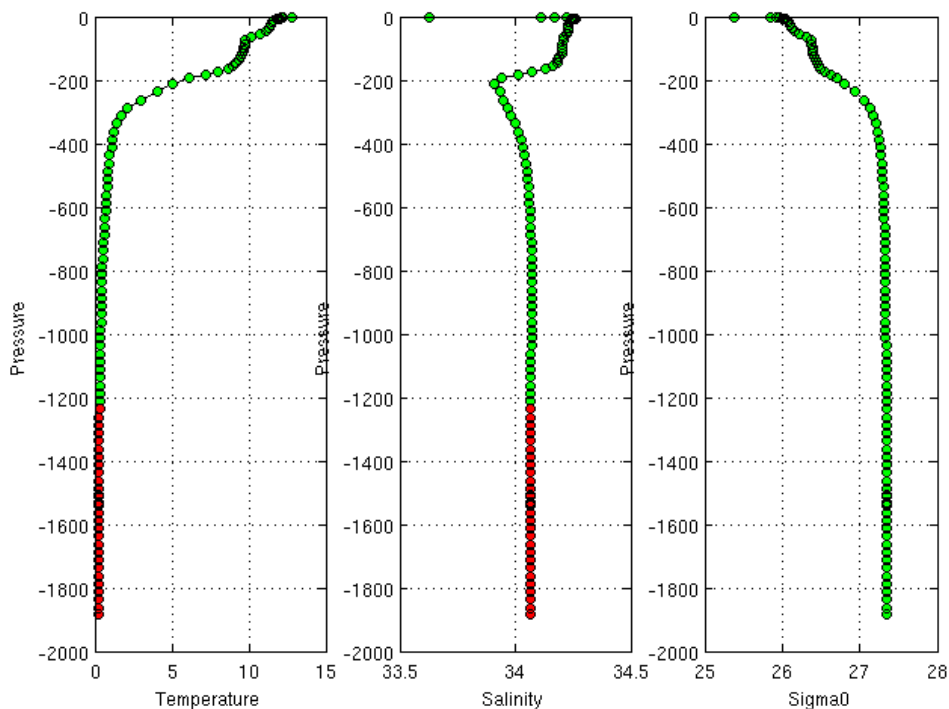
KM,2901724,140,12/04/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=52264680> ,PSAL,1,798,1,3
KM,2901724,142,26/04/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=52363823> ,PSAL,1,797,1,3
KM,2901750,40,07/05/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=52447943> ,PSAL,777,793,1,4
KM,2901759,27,27/04/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=52366784> ,PSAL,1,1,1,3

Example of anomalies:

Warning Objective Analysis Anomalies 2017 May TEMP PSAL : DAC KM- Float 2901750-40



Warning Objective Analysis Anomalies 2017 May TEMP PSAL : DAC KM- Float 2901759-27



8. DAC KORDI

Profiles detected by the objective analysis: 0 profile (0 float – float can have several cycles with anomalies)

Data_mode ='R'	Data_mode ='A'	Data_mode ='D'
0 cycle	0 cycle	0 cycle

Status of corrections:

Example of anomalies:

9. DAC MEDS

Profiles detected by the objective analysis: 0 profile (0 float – float can have several cycles with anomalies)

Data_mode ='R'	Data_mode ='A'	Data_mode ='D'
0 cycle	0 cycle	0 cycle

Status of corrections: Correction not done, no feedback

Example of anomalies:

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 : 6379

DAC name : aoml - Number of floats : 6379

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

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

2903129 - Existing nc files

File : 2903129_meta.nc - 2903129_prof.nc - 2903129_tech.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

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

5904838 - Existing nc files
File : 5904838_meta.nc - 5904838_prof.nc -

5904840 - Existing nc files
File : 5904840_meta.nc - 5904840_prof.nc

5904839 - Existing nc files
File : 5904839_meta.nc - 5904839_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" ;
```

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 : 593

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 -

1901866 - Existing nc files

File : 1901866_meta.nc - 1901866_prof.nc - 1901866_tech.nc -

1901867 - Existing nc files

File : 1901867_meta.nc - 1901867_prof.nc - 1901867_tech.nc -

1901868 - Existing nc files

File : 1901868_meta.nc - 1901868_prof.nc - 1901868_tech.nc -

1901869 - Existing nc files

File : 1901869_meta.nc - 1901869_prof.nc - 1901869_tech.nc -

1901870 - Existing nc files

File : 1901870_meta.nc - 1901870_prof.nc - 1901870_tech.nc -

1901871 - Existing nc files

File : 1901871_meta.nc - 1901871_prof.nc - 1901871_tech.nc -

1901872 - Existing nc files

File : 1901872_meta.nc - 1901872_prof.nc - 1901872_tech.nc -

1901881 - Existing nc files

File : 1901881_meta.nc - 1901881_prof.nc - 1901881_tech.nc -

1901882 - Existing nc files

File : 1901882_meta.nc - 1901882_prof.nc - 1901882_tech.nc -

1901883 - Existing nc files

File : 1901883_meta.nc - 1901883_prof.nc - 1901883_tech.nc -

1901884 - Existing nc files

File : 1901884_meta.nc - 1901884_prof.nc - 1901884_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 -

3901524 - Existing nc files

File : 3901524_meta.nc - 3901524_prof.nc - 3901524_tech.nc -

3901525 - Existing nc files

File : 3901525_meta.nc - 3901525_prof.nc - 3901525_tech.nc -

3901526 - Existing nc files

File : 3901526_meta.nc - 3901526_prof.nc - 3901526_tech.nc -

3901527 - Existing nc files

File : 3901527_meta.nc - 3901527_prof.nc - 3901527_tech.nc -

3901528 - Existing nc files

File : 3901528_meta.nc - 3901528_prof.nc - 3901528_tech.nc -

3901529 - Existing nc files

File : 3901529_meta.nc - 3901529_prof.nc - 3901529_tech.nc -

3901532 - Existing nc files

File : 3901532_meta.nc - 3901532_prof.nc - 3901532_tech.nc -

3901533 - Existing nc files

File : 3901533_meta.nc - 3901533_prof.nc - 3901533_tech.nc -

3901534 - Existing nc files

File : 3901534_meta.nc - 3901534_prof.nc - 3901534_tech.nc -

3901535 - Existing nc files

File : 3901535_meta.nc - 3901535_prof.nc - 3901535_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 -

6901160 - Existing nc files

File : 6901160_meta.nc - 6901160_prof.nc - 6901160_tech.nc -

6901161 - Existing nc files

File : 6901161_meta.nc - 6901161_prof.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 -
 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 -
 6901195 - Existing nc files
 File : 6901195_meta.nc - 6901195_prof.nc - 6901195_tech.nc -
 6901196 - Existing nc files
 File : 6901196_meta.nc - 6901196_prof.nc - 6901196_tech.nc -
 6901197 - Existing nc files
 File : 6901197_meta.nc - 6901197_prof.nc - 6901197_tech.nc -

6901198 - Existing nc files
 File : 6901198_meta.nc - 6901198_prof.nc - 6901198_tech.nc -
 6901199 - Existing nc files
 File : 6901199_meta.nc - 6901199_prof.nc - 6901199_tech.nc -
 6901200 - Existing nc files
 File : 6901200_meta.nc - 6901200_prof.nc - 6901200_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 -
 6901924 - Existing nc files
 File : 6901924_meta.nc - 6901924_prof.nc - 6901924_tech.nc -
 6901925 - Existing nc files
 File : 6901925_meta.nc - 6901925_prof.nc - 6901925_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 : 2462

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 -
 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 -

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

6901870 - Existing nc files
File : 6901870_Rtraj.nc - 6901870_meta.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 -

6902025 - Existing nc files
File : 6902025_meta.nc - 6902025_prof.nc - 6902025_tech.nc -

6902685 - Existing nc files
File : 6902685_Rtraj.nc - 6902685_meta.nc - 6902685_tech.nc -

6902741 - Existing nc files
File : 6902741_Rtraj.nc - 6902741_meta.nc - 6902741_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 : 355

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

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 : 787

1901735 - Existing nc files

File : 1901735_meta.nc - 1901735_prof.nc - 1901735_tech.nc -

1901736 - Existing nc files

File : 1901736_meta.nc - 1901736_prof.nc - 1901736_tech.nc -

1901737 - Existing nc files

File : 1901737_meta.nc - 1901737_prof.nc - 1901737_tech.nc -

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 -

5905170 - Existing nc files

File : 5905170_meta.nc - 5905170_prof.nc - 5905170_tech.nc -

5905171 - Existing nc files

File : 5905171_meta.nc - 5905171_prof.nc - 5905171_tech.nc -

5905174 - Existing nc files

File : 5905174_meta.nc - 5905174_prof.nc - 5905174_tech.nc -

5905175 - Existing nc files

File : 5905175_meta.nc - 5905175_prof.nc - 5905175_tech.nc -

5905176 - Existing nc files

File : 5905176_meta.nc - 5905176_prof.nc - 5905176_tech.nc -

5905178 - Existing nc files

File : 5905178_meta.nc - 5905178_prof.nc - 5905178_tech.nc -

5905179 - Existing nc files

File : 5905179_meta.nc - 5905179_prof.nc - 5905179_tech.nc -

5905180 - Existing nc files

File : 5905180_meta.nc - 5905180_prof.nc - 5905180_tech.nc -

5905181 - Existing nc files

File : 5905181_meta.nc - 5905181_prof.nc - 5905181_tech.nc -

5905182 - Existing nc files

File : 5905182_meta.nc - 5905182_prof.nc - 5905182_tech.nc -

5905190 - Existing nc files

File : 5905190_meta.nc - 5905190_prof.nc - 5905190_tech.nc -

5905191 - Existing nc files

File : 5905191_meta.nc - 5905191_prof.nc - 5905191_tech.nc -

5905192 - Existing nc files

File : 5905192_meta.nc - 5905192_prof.nc - 5905192_tech.nc -

5905195 - Existing nc files

File : 5905195_meta.nc - 5905195_prof.nc - 5905195_tech.nc -

5905196 - Existing nc files

File : 5905196_meta.nc - 5905196_prof.nc - 5905196_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 : 414

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 : 1517

1902074 - Existing nc files

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

1902075 - Existing nc files

File : 1902075_meta.nc - 1902075_prof.nc -

2901998 - Existing nc files

File : 2901998_meta.nc - 2901998_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 -

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 -

7900691 - Existing nc files

File : 7900691_meta.nc - 7900691_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

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 monoprofile, 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 -

3900079 - Existing nc files

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

3900078 - Existing nc files

File : 3900078_Rtraj.nc - 3900078_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 : 447

4902411 - Existing nc files

File : 4902411_meta.nc - 4902411_prof.nc - 4902411_tech.nc

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.

Float 1901060 cycle 180 (only PRES_ADJUSTED filled & all <Param>_ADJUSTED_ERROR missing)

Float 1901074 cycle 105 (only PRES_ADJUSTED filled & all <Param>_ADJUSTED_ERROR missing)

Float 2901094 cycle 130 (only PRES_ADJUSTED filled & all <Param>_ADJUSTED_ERROR missing)

Float 2901095 cycle 130 (only PRES_ADJUSTED filled & all <Param>_ADJUSTED_ERROR missing)

Float 1901060 cycle 203, 234 (all <Param>_ADJUSTED_ERROR missing) & cycle 230 PSAL_ADJUSTED also missing

- Other floats with D files but the following R files are still in 'R' mode and not in 'A' mode.

Ex. Floats 1901222

D1901222_064.nc – R1901222_065.nc but data_mode=R for cycle 65

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 =

0.000, 0.000, 0.000, 0.000, 0.000, 0.000,

Mix of R (cycles 001 -024-025) and D files for float 2900171

D2900171_002.nc	D2900171_010.nc	D2900171_018.nc	D2900171_028.nc	D2900171_036.nc	D2900171_044.nc	D2900171_052.nc	D2900171_060.nc	D2900171_068.nc
D2900171_003.nc	D2900171_011.nc	D2900171_019.nc	D2900171_029.nc	D2900171_037.nc	D2900171_045.nc	D2900171_053.nc	D2900171_061.nc	D2900171_069.nc
D2900171_004.nc	D2900171_012.nc	D2900171_020.nc	D2900171_030.nc	D2900171_038.nc	D2900171_046.nc	D2900171_054.nc	D2900171_062.nc	D2900171_070.nc
D2900171_005.nc	D2900171_013.nc	D2900171_021.nc	D2900171_031.nc	D2900171_039.nc	D2900171_047.nc	D2900171_055.nc	D2900171_063.nc	D2900171_071.nc
D2900171_006.nc	D2900171_014.nc	D2900171_022.nc	D2900171_032.nc	D2900171_040.nc	D2900171_048.nc	D2900171_056.nc	D2900171_064.nc	R2900171_001.nc
D2900171_007.nc	D2900171_015.nc	D2900171_023.nc	D2900171_033.nc	D2900171_041.nc	D2900171_049.nc	D2900171_057.nc	D2900171_065.nc	R2900171_024.nc
D2900171_008.nc	D2900171_016.nc	D2900171_026.nc	D2900171_034.nc	D2900171_042.nc	D2900171_050.nc	D2900171_058.nc	D2900171_066.nc	R2900171_025.nc
D2900171_009.nc	D2900171_017.nc	D2900171_027.nc	D2900171_035.nc	D2900171_043.nc	D2900171_051.nc	D2900171_059.nc	D2900171_067.nc	

12.8. NMDIS

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

For floats : 2901615 – 2901631 - 2901632

2901615 ex. cycle 58, ...

```
DATA_STATE_INDICATOR = "2C ";
DATA_MODE = "R";
```

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

netcdf R2901632_056 {

DATA_STATE_INDICATOR = "2C " ;

DATA_MODE = "R" ;

PRES_ADJUSTED =

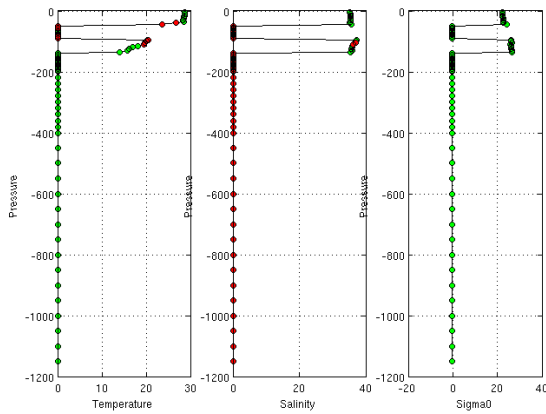
0.0, 5.0, 16.0, 26.0, 36.0, 46.0, 56.0,

PSAL_ADJUSTED =

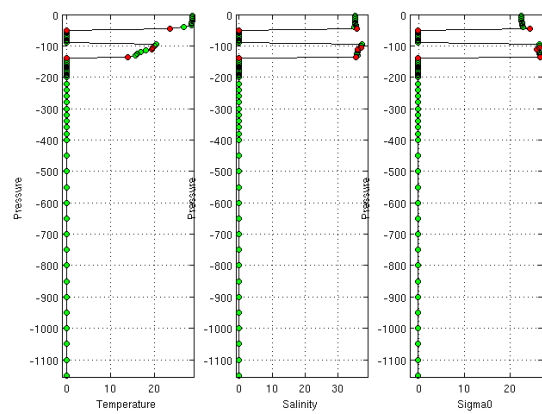
13. Automatic Tests (June's version)

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

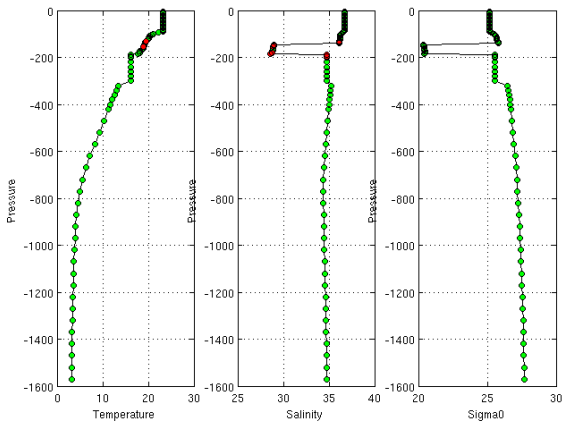
Warning Objective Analysis Anomalies 2016 June TEMP PSAL : DAC AO- Float 1901504-188



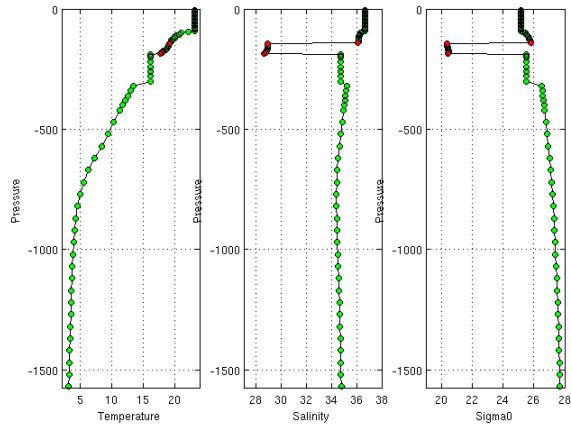
Using Jean Philippe Matlab density inversion test : Float 1901504_88 Data mode : R



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



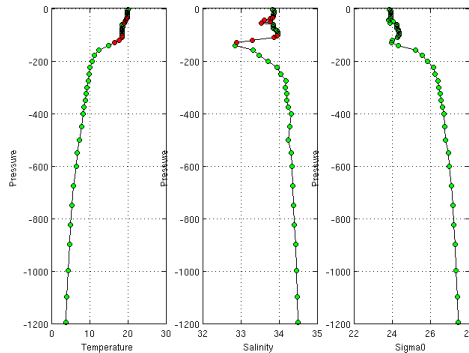
Using Jean Philippe Matlab density inversion test : Float 1900998_39 Data mode : R



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 :

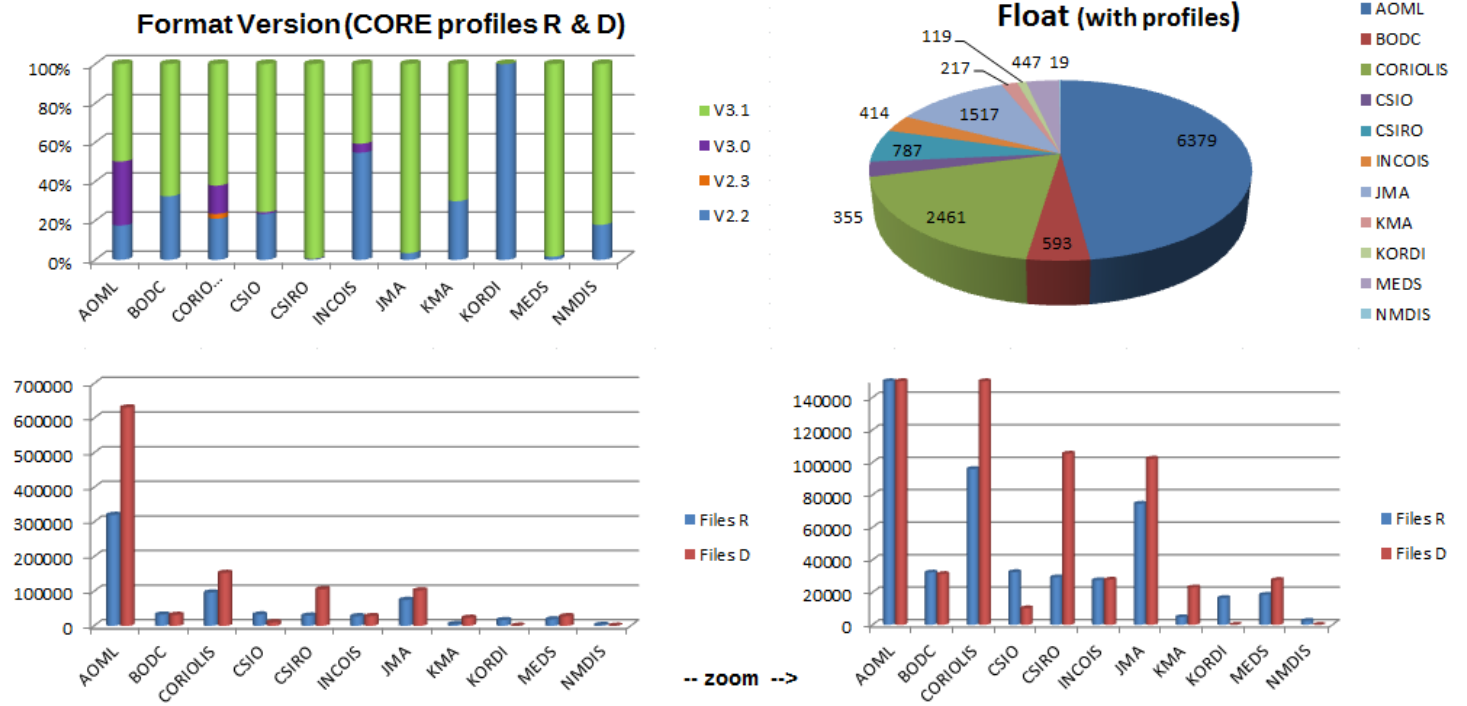
Warning Objective Analysis Anomalies 2016 June TEMP PSAL : DAC AO- Float 4902093-208



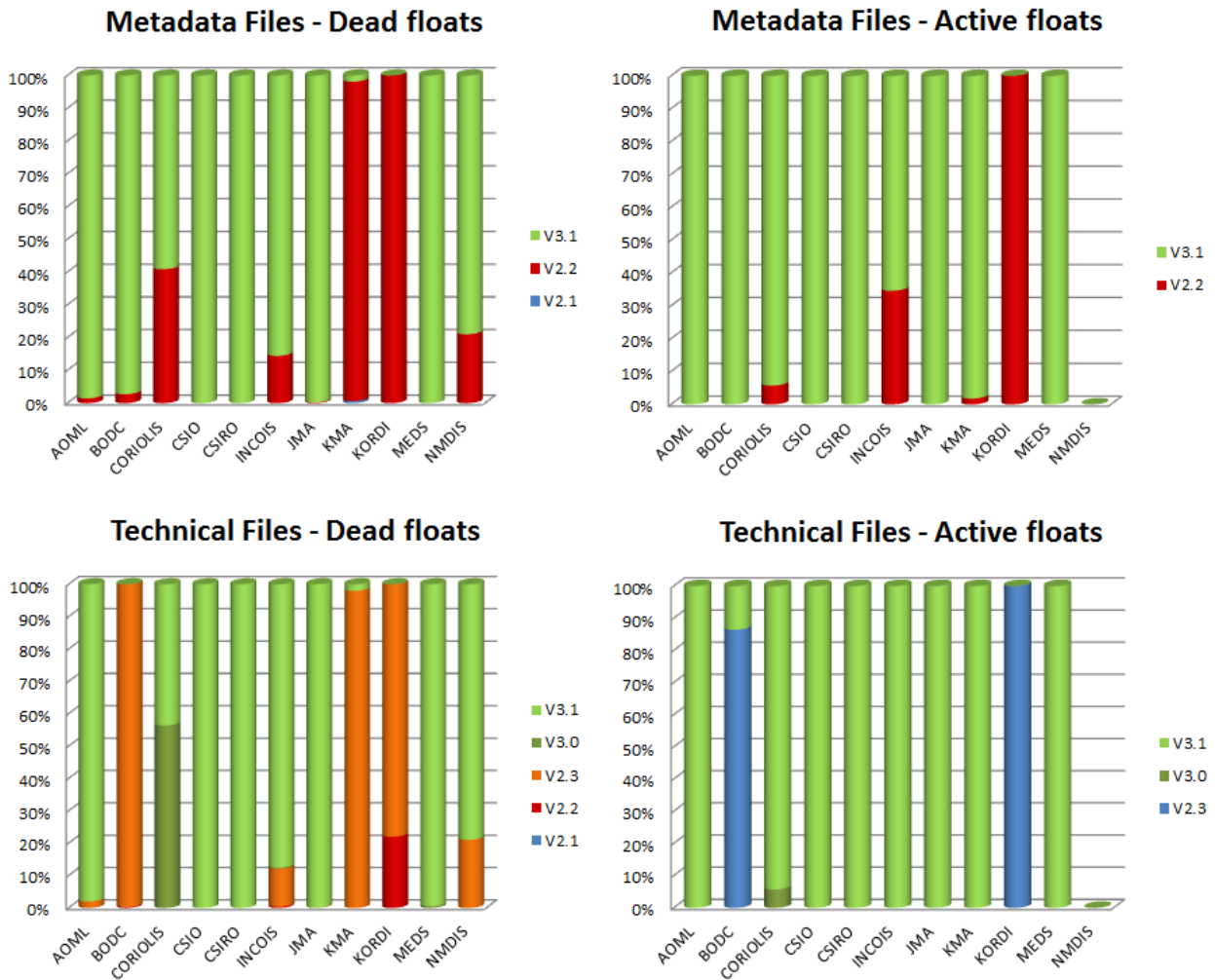
Some profiles have temperature measurements with the zero values which are not good but they did not fail with any test.

14. Statistics on floats and format version (May 2017)

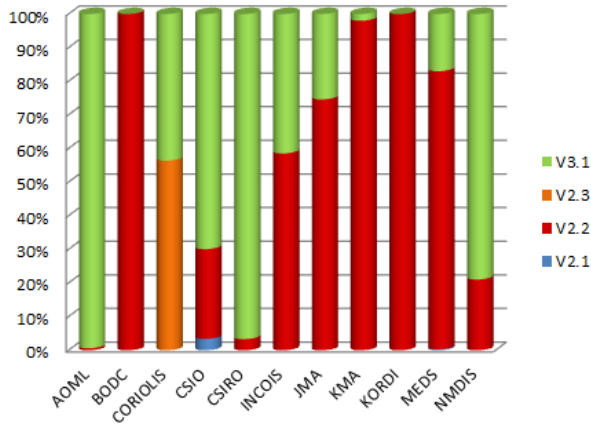
Plots showing format_version percentage, number of floats (with profiles), number of D and R files by DACs.



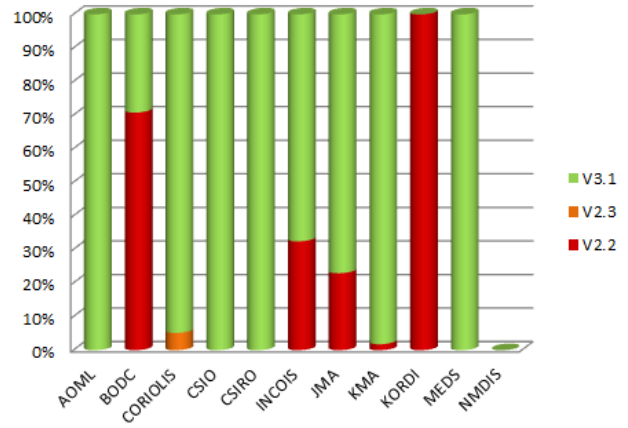
Plots showing format_version percentage, for metadata-technical-trajectory and core profiles following dead or active floats.



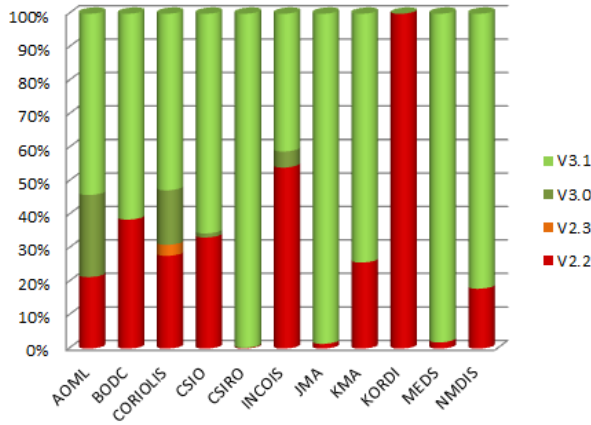
Trajectory Files - Dead floats



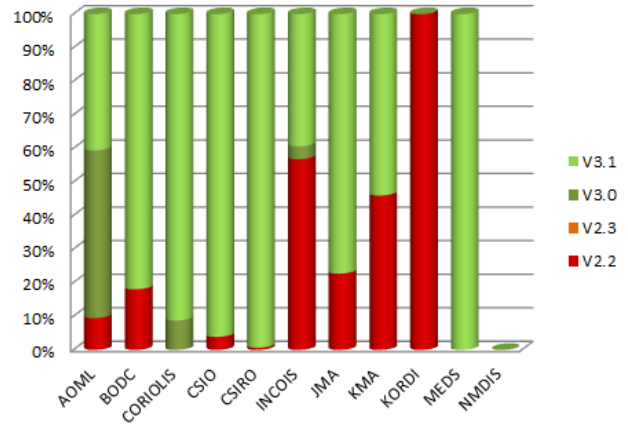
Trajectory Files - Active floats



Profile files - Dead floats



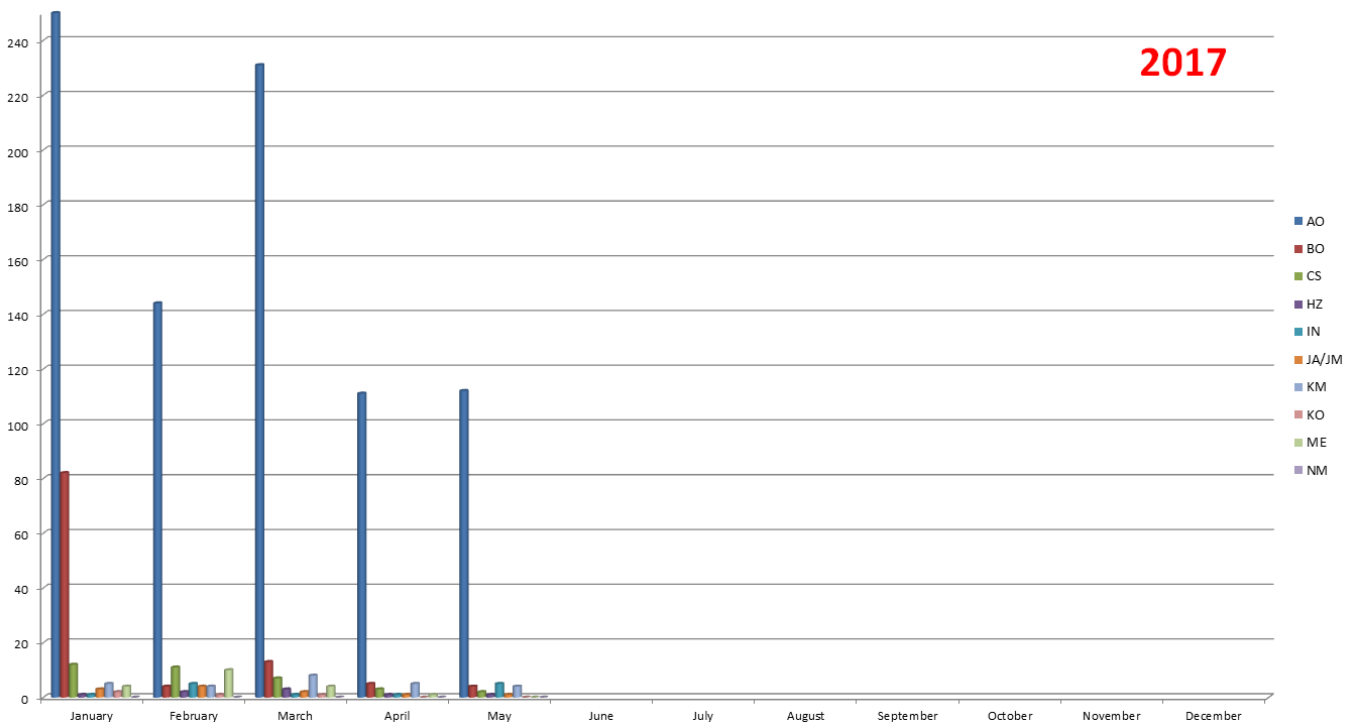
Profile Files - Active floats



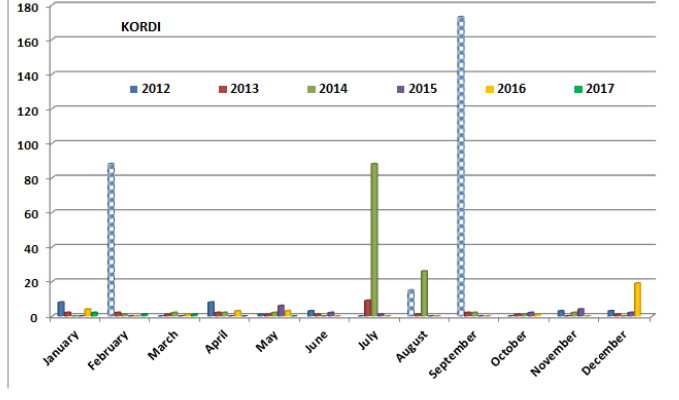
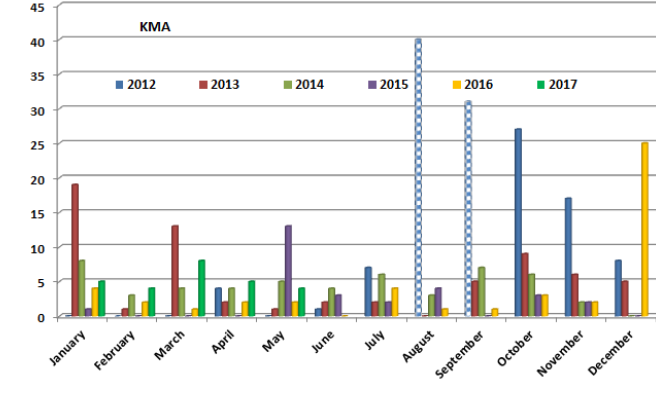
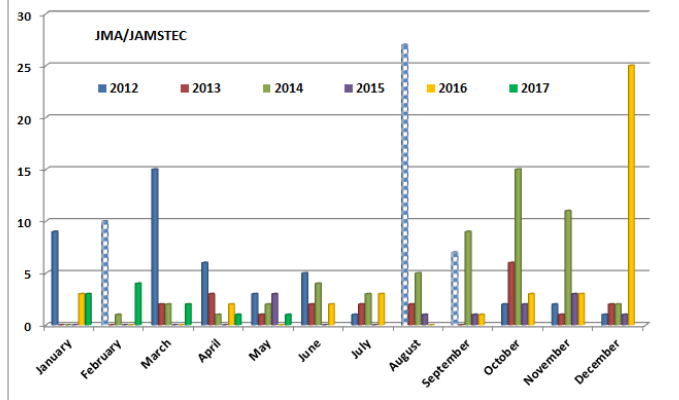
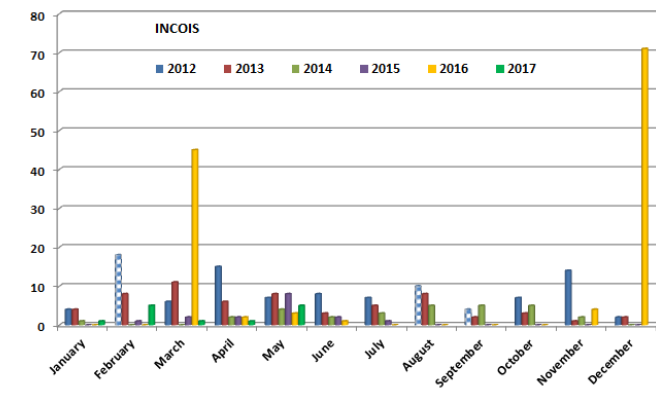
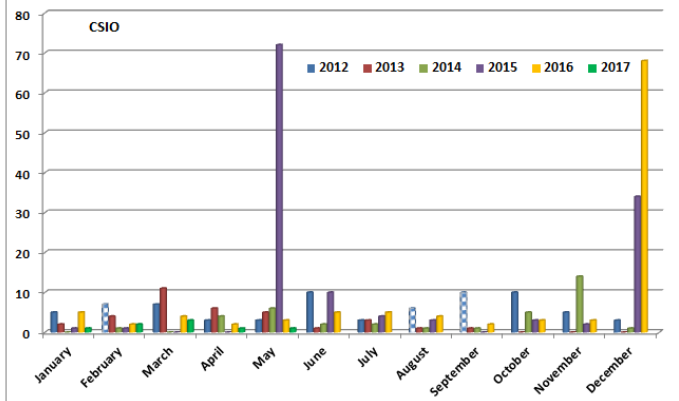
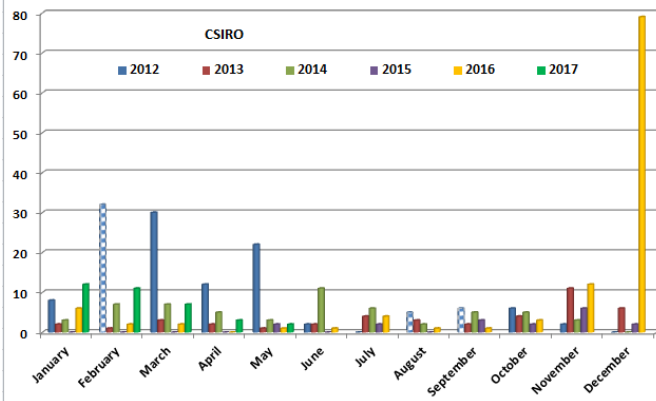
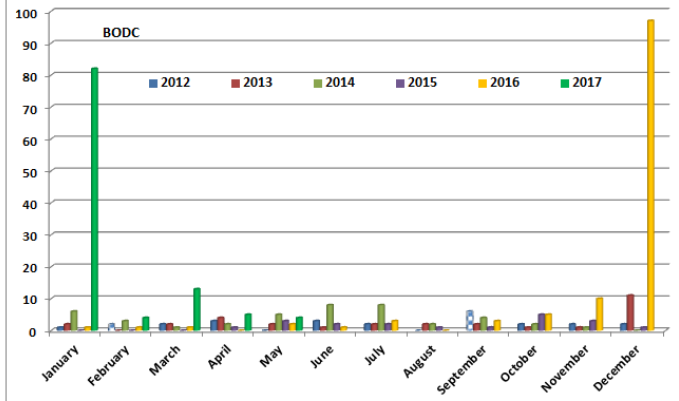
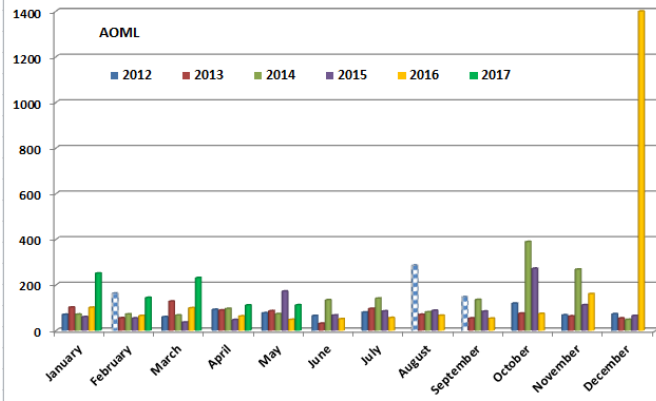
15. Statistics on anomalies

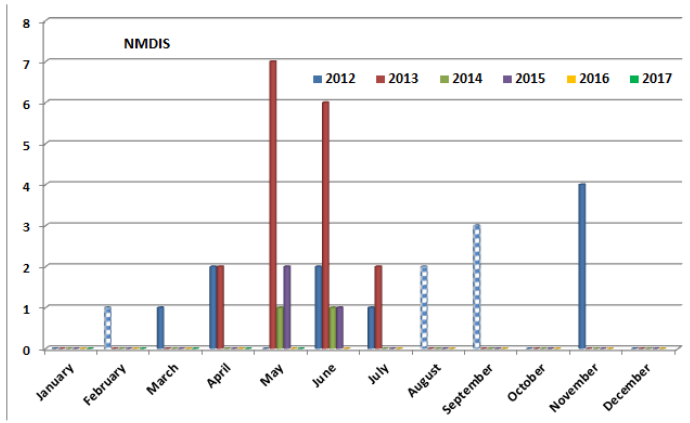
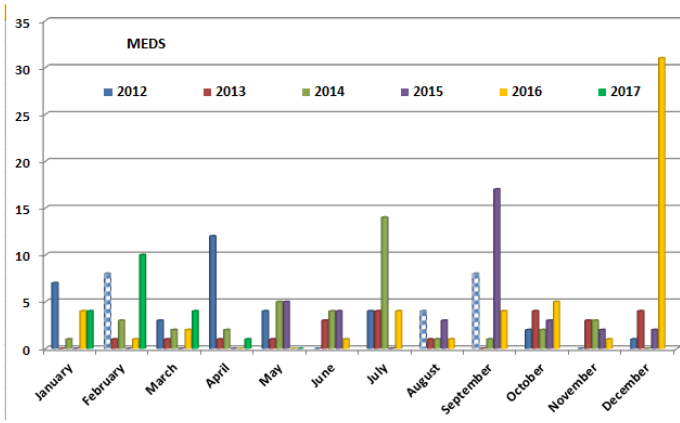
Plots showing evolution of number of anomalies by DAC.

15.1. Year



15.2. DAC





15.3. Anomalies by year, by month

