



# Anomalies on Argo profiles

From warning objective analysis, netcdf file analysis

## Format version

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**Coriolis**

**NOTES**

# Anomalies by DAC

## Summary

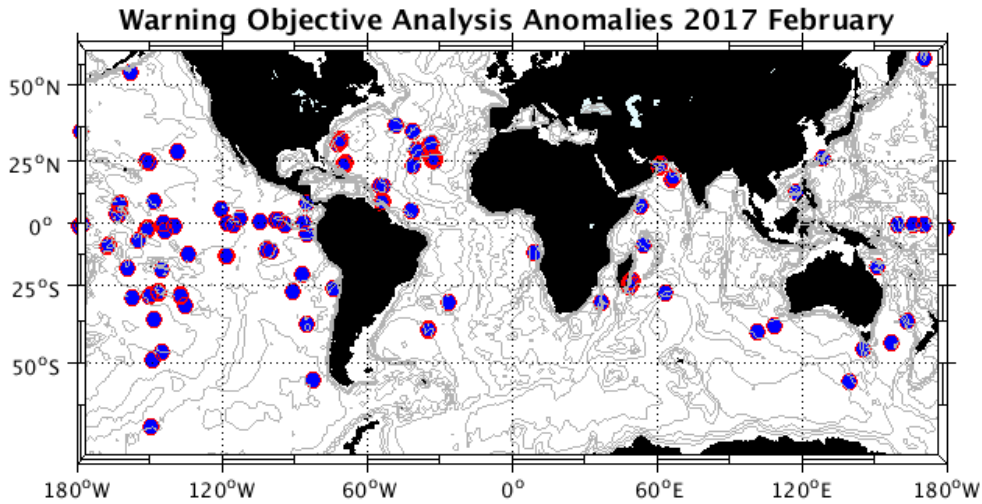
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# 1. DAC AOML

Profiles detected by the objective analysis:144 profiles (80 floats, but floats can have several cycles with anomalies)

Data_mode ='R'	Data_mode ='A'	Data_mode ='D'
39 cycles	105 cycles	0 cycle



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

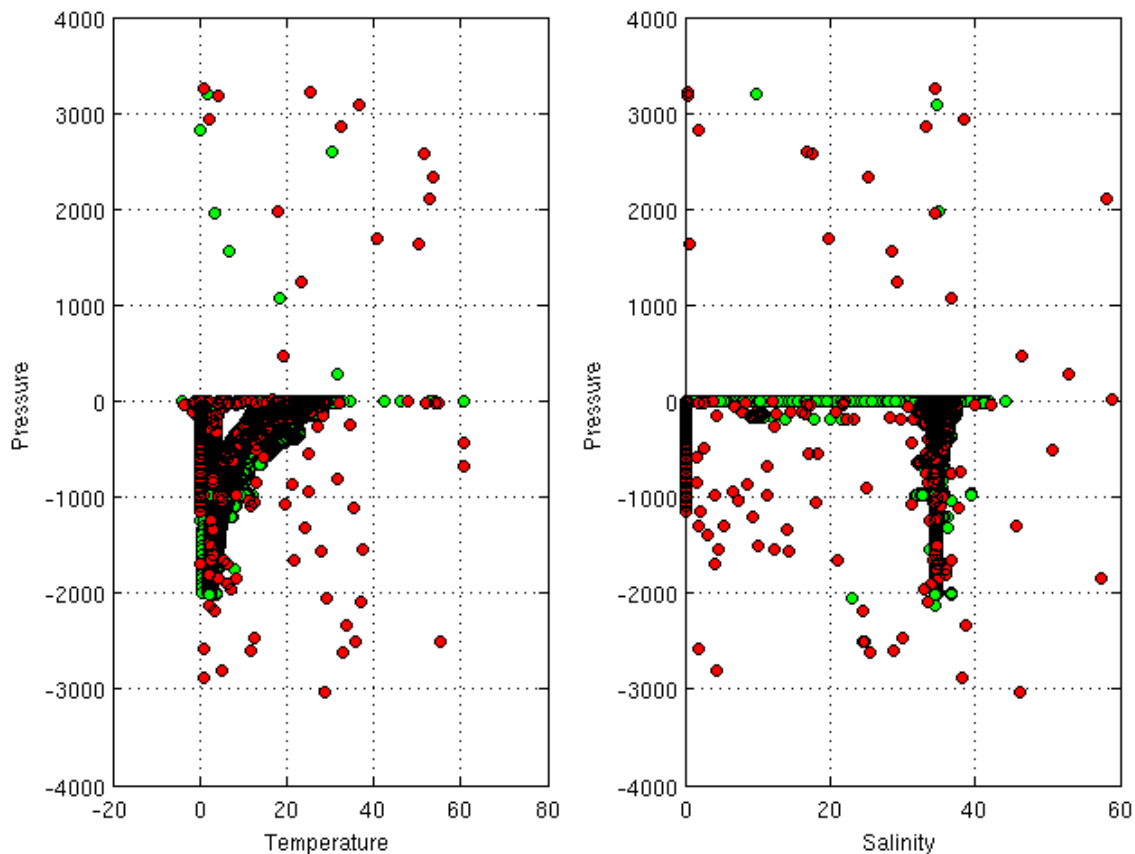
**In blue: floats with multiprofiles.**

- Float : 1901418 - Cycle : 261 - PI : DEAN ROEMMICH - Data mode : R - INST REF : - Date : 2017 2 14
- Float : 1901501 - Cycle : 210 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2017 1 27
- Float : 1901501 - Cycle : 212 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2017 2 16
- Float : 1901501 - Cycle : 213 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2017 2 26
- Float : 1901504 - Cycle : 211 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2017 2 4
- Float : 1901522 - Cycle : 121 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2017 1 27
- Float : 1901522 - Cycle : 122 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2017 1 31
- Float : 1901522 - Cycle : 123 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2017 2 3
- Float : 1901522 - Cycle : 125 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2017 2 10
- Float : 1901522 - Cycle : 126 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2017 2 14
- Float : 1901522 - Cycle : 127 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2017 2 18
- Float : 1901522 - Cycle : 128 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2017 2 21
- Float : 1901522 - Cycle : 129 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2017 2 25
- Float : 1901601 - Cycle : 153 - PI : BRECK OWENS - Data mode : R - Platform type : S2A - WMO inst type : 854 - FLOAT SERIAL : 7052 - Date : 2017 2 3
- Float : 1901616 - Cycle : 162 - PI : BRECK OWENS - Data mode : R - Platform type : S2A - WMO inst type : 854 - FLOAT SERIAL : 7055 - Date : 2017 2 14
- Float : 1901616 - Cycle : 163 - PI : BRECK OWENS - Data mode : R - Platform type : S2A - WMO inst type : 854 - FLOAT SERIAL : 7055 - Date : 2017 2 23
- Float : 1901654 - Cycle : 124 - PI : BRECK OWENS, STEVE JAYNE, P.E. ROBBINS - Data mode : R - INST REF : - Date : 2017 2 3
- Float : 1901803 - Cycle : 47 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2017 2 20
- Float : 2901466 - Cycle : 259 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2017 1 28
- Float : 2901466 - Cycle : 260 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2017 2 1
- Float : 2901466 - Cycle : 261 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2017 2 5
- Float : 2901466 - Cycle : 262 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2017 2 9
- Float : 2901466 - Cycle : 263 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2017 2 13
- Float : 2901466 - Cycle : 264 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2017 2 17
- Float : 2901641 - Cycle : 169 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2017 2 9
- Float : 2902051 - Cycle : 138 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2017 2 25
- Float : 3900762 - Cycle : 227 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2017 2 26
- Float : 3900845 - Cycle : 329 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2017 2 4
- Float : 3900845 - Cycle : 331 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2017 2 25
- Float : 3901177 - Cycle : 99 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2017 2 22
- Float : 3901203 - Cycle : 33 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2017 2 9
- Float : 3901264 - Cycle : 67 - PI : CARL SZCZECZOWSKI - Data mode : R - Platform type : S2A - WMO inst type : 854 - FLOAT SERIAL : 10021 - Date : 2017 1 30
- Float : 3901267 - Cycle : 73 - PI : CARL SZCZECZOWSKI - Data mode : R - Platform type : S2A - WMO inst type : 854 - FLOAT SERIAL : 10037 - Date : 2017 1 25
- Float : 3901270 - Cycle : 14 - PI : DEAN ROEMMICH - Data mode : R - Platform type : SOLO\_II - WMO inst type : 853 - FLOAT SERIAL : 8546 - Date : 2017 2 20
- Float : 4900855 - Cycle : 290 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2017 2 20
- Float : 4901451 - Cycle : 144 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2016 12 22
- Float : 4901451 - Cycle : 145 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2017 1 1
- Float : 4901451 - Cycle : 146 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2017 1 11
- Float : 4901451 - Cycle : 147 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2017 1 21
- Float : 4901451 - Cycle : 148 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2017 1 31



Float : 5904160 - Cycle : 167 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2017 2 20  
 Float : 5904287 - Cycle : 97 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2017 2 6  
 Float : 5904294 - Cycle : 96 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2017 1 28  
 Float : 5904294 - Cycle : 97 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2017 2 7  
 Float : 5904398 - Cycle : 90 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6122 - Date : 2017 2 4  
 Float : 5904398 - Cycle : 91 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6122 - Date : 2017 2 14  
 Float : 5904398 - Cycle : 92 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6122 - Date : 2017 2 24  
 Float : 5904401 - Cycle : 90 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6930 - Date : 2017 2 3  
 Float : 5904401 - Cycle : 92 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6930 - Date : 2017 2 23  
 Float : 5904402 - Cycle : 89 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6931 - Date : 2017 1 26  
 Float : 5904402 - Cycle : 91 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6931 - Date : 2017 2 16  
 Float : 5904406 - Cycle : 93 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6935 - Date : 2017 2 3  
 Float : 5904406 - Cycle : 94 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6935 - Date : 2017 2 13  
 Float : 5904406 - Cycle : 95 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6935 - Date : 2017 2 23  
 Float : 5904407 - Cycle : 93 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6936 - Date : 2017 2 1  
 Float : 5904407 - Cycle : 94 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6936 - Date : 2017 2 11  
 Float : 5904439 - Cycle : 79 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6945 - Date : 2017 2 6  
 Float : 5904454 - Cycle : 82 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6924 - Date : 2017 2 5  
 Float : 5904454 - Cycle : 83 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6924 - Date : 2017 2 15  
 Float : 5904454 - Cycle : 84 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6924 - Date : 2017 2 25  
 Float : 5904456 - Cycle : 82 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6925 - Date : 2017 2 2  
 Float : 5904457 - Cycle : 82 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6926 - Date : 2017 2 4  
 Float : 5904457 - Cycle : 83 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6926 - Date : 2017 2 14  
 Float : 5904457 - Cycle : 84 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6926 - Date : 2017 2 24  
 Float : 5904492 - Cycle : 74 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6815 - Date : 2017 2 10  
 Float : 5904499 - Cycle : 163 - PI : DEAN ROEMMICH - Data mode : R - Platform type : SOLO\_II - WMO inst type : 853 - FLOAT SERIAL : 8212 - Date : 2017 2 17  
 Float : 5904503 - Cycle : 167 - PI : DEAN ROEMMICH - Data mode : R - Platform type : SOLO\_II - WMO inst type : 853 - FLOAT SERIAL : 8216 - Date : 2016 12 29  
 Float : 5904516 - Cycle : 157 - PI : DEAN ROEMMICH - Data mode : R - Platform type : SOLO\_II - WMO inst type : 853 - FLOAT SERIAL : 8229 - Date : 2017 2 17  
 Float : 5904521 - Cycle : 163 - PI : DEAN ROEMMICH - Data mode : R - Platform type : SOLO\_II - WMO inst type : 853 - FLOAT SERIAL : 8234 - Date : 2017 2 2  
 Float : 5904577 - Cycle : 70 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2017 2 11  
 Float : 5904593 - Cycle : 23 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2017 2 4  
 Float : 5904603 - Cycle : 68 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2017 2 25  
 Float : 5904656 - Cycle : 94 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6431 - Date : 2017 1 26  
 Float : 5904656 - Cycle : 94 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6431 - Date : 2017 1 26  
 Float : 5904656 - Cycle : 99 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6431 - Date : 2017 2 22  
 Float : 5904781 - Cycle : 15 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2017 1 28  
 Float : 5904813 - Cycle : 11 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2017 2 3  
 Float : 5904865 - Cycle : 22 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2017 2 19  
 Float : 7900666 - Cycle : 67 - PI : DEAN ROEMMICH - Data mode : R - Platform type : SOLO\_II - WMO inst type : 853 - FLOAT SERIAL : 8372 - Date : 2017 2 15

### Warning Objective Analysis Anomalies 2017 February TEMP PSAL - DAC AO











































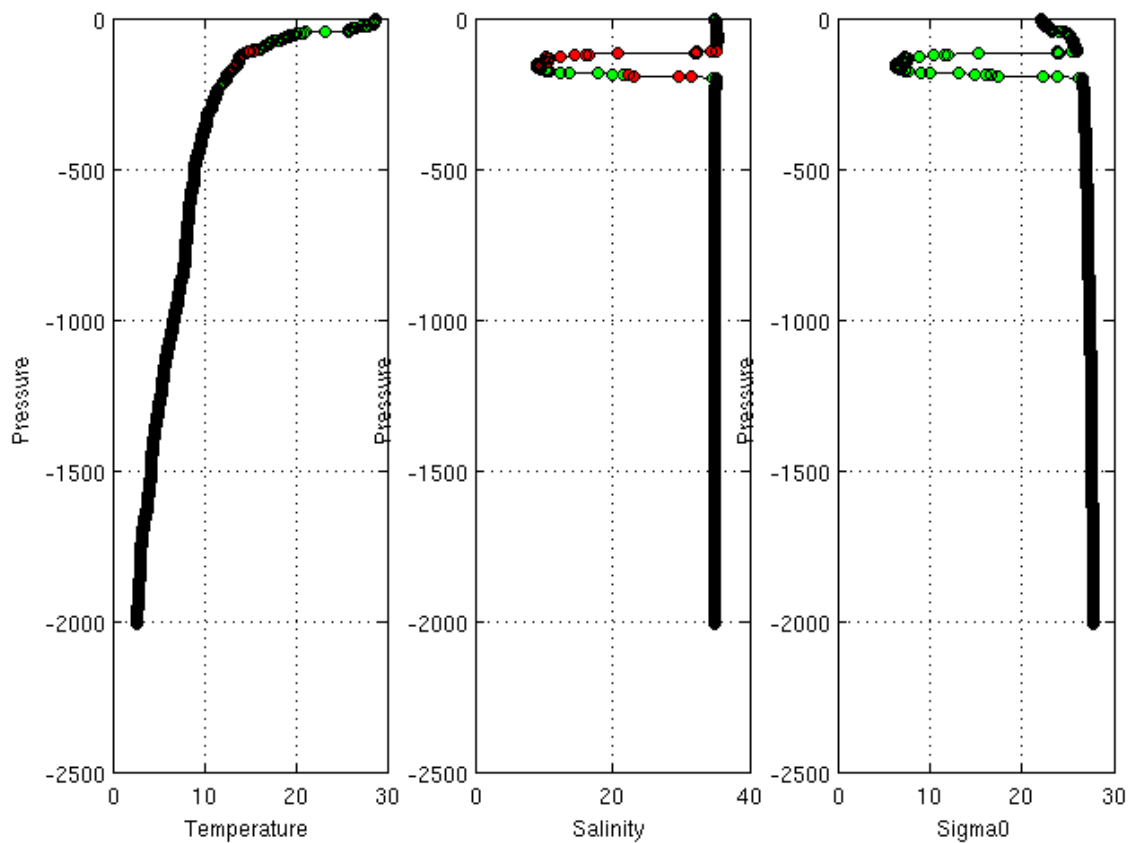




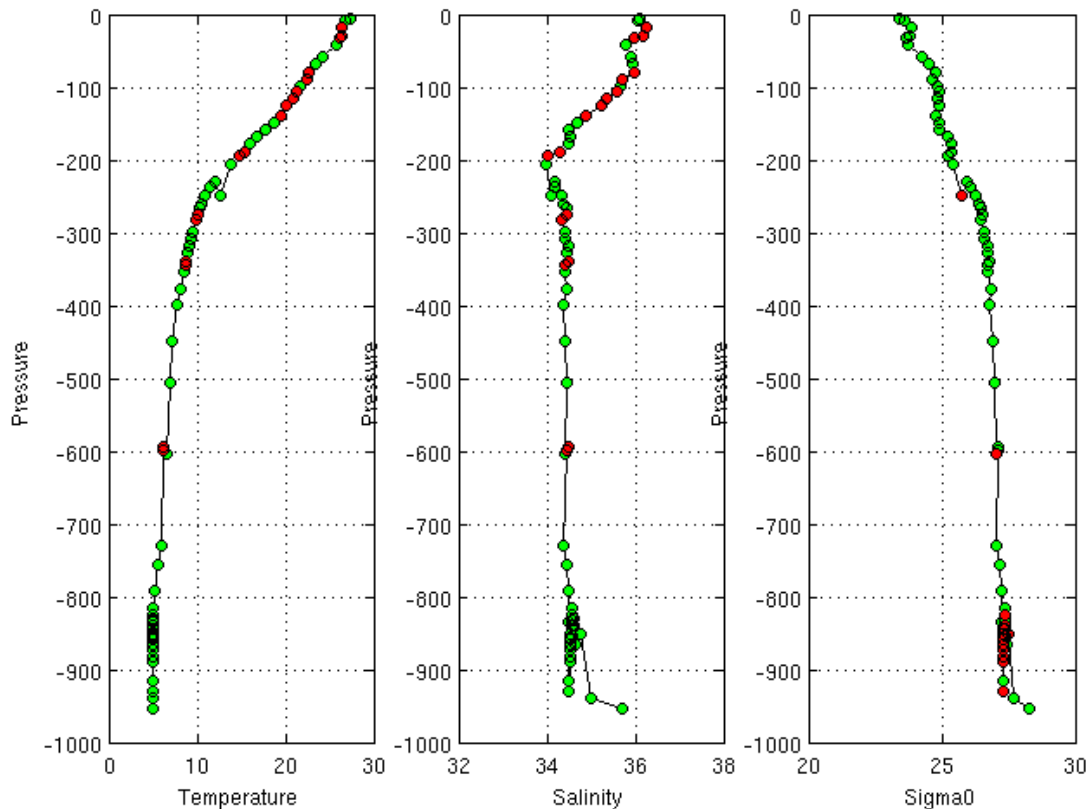




Warning Objective Analysis Anomalies 2017 February TEMP PSAL : DAC AO- Float 1901803-47



Warning Objective Analysis Anomalies 2017 February TEMP PSAL : DAC AO- Float 5903425-193

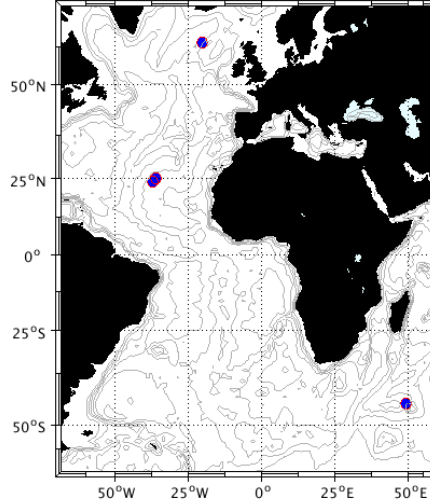


## 2. DAC BODC

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'
2 cycles	2 cycles	0 cycle

Warning Objective Analysis Anomalies 2017 February



**Status of corrections: Correction done for the profiles, feedback.**

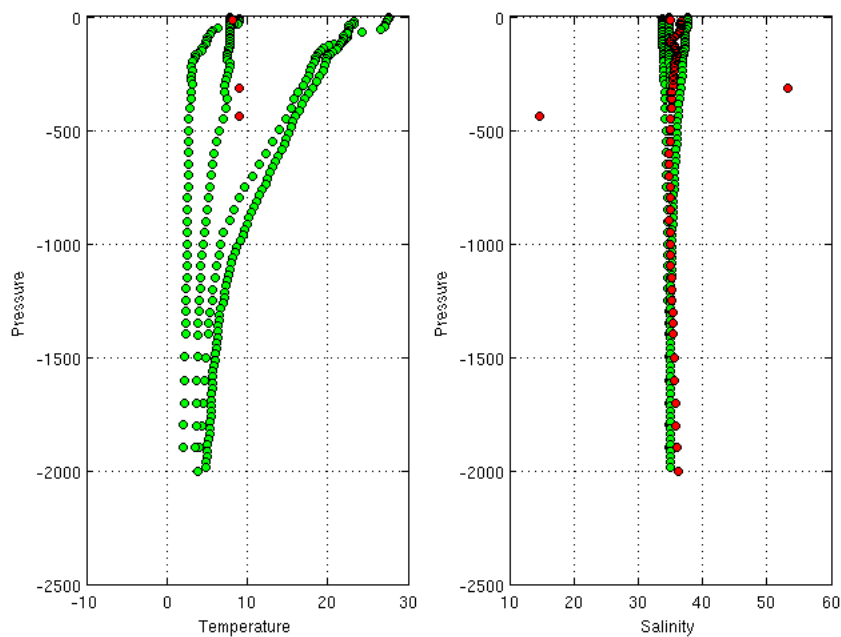
Float : 1901316 - Cycle : 125 - PI : Jon Turton - Data mode : A - INST REF : - Date : 2017 2 15

Float : 6901119 - Cycle : 196 - PI : Jon Turton - Data mode : A - INST REF : - Date : 2017 2 1

Float : 6901170 - Cycle : 92 - PI : Jon Turton - Data mode : R - INST REF : - Date : 2017 1 1

Float : 6901915 - Cycle : 110 - PI : Fiona Grant - Data mode : R - INST REF : - Date : 2015 9 3

Warning Objective Analysis Anomalies 2017 February TEMP PSAL - DAC BO

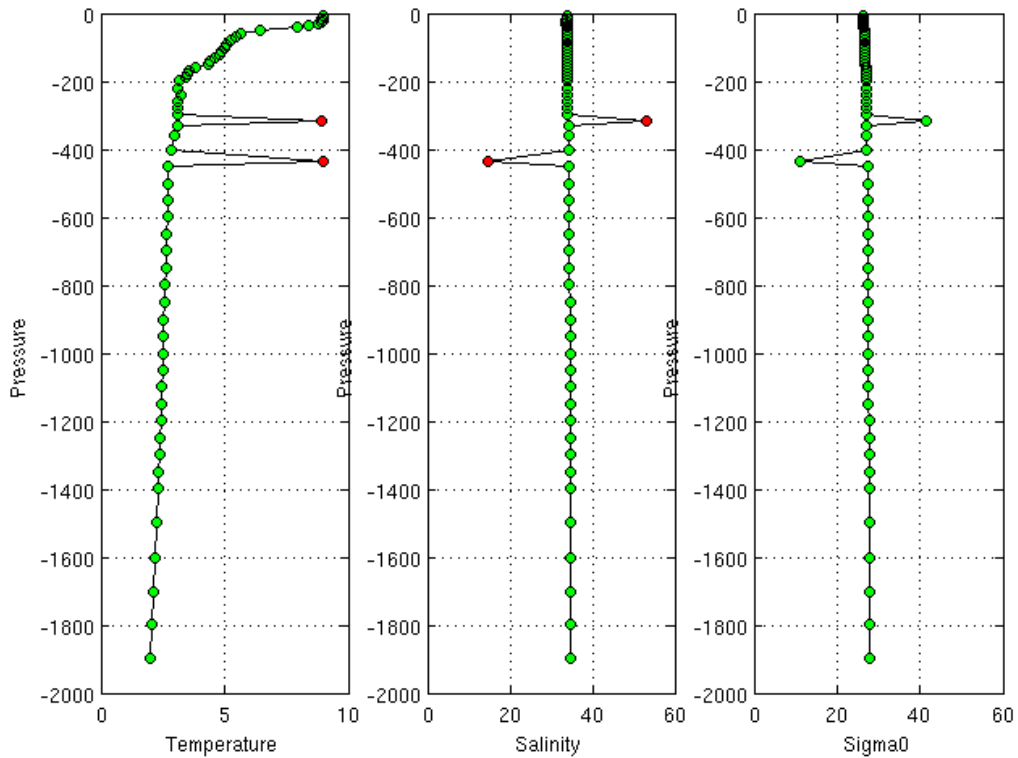


DAC\_CODE,PLATFORM\_CODE,CV\_NUMBER,DATE\_UPDATE,DIRECTION,WEB\_URL,PARAMETER,START\_IMMERSION,STOP\_IMMERSION,OLD\_QC,NEW\_QC  
 BO,1901316,125,15/02/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=51800095>,TEMP,316.6,316.6,1,4  
 BO,1901316,125,15/02/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=51800095>,TEMP\_ADJUSTED,316.6,316.6,1,4  
 BO,6901119,196,01/02/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=51693065>,PSAL,120.2,129.3,1,4  
 BO,6901119,196,01/02/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=51693065>,PSAL\_ADJUSTED,120.2,129.3,1,4

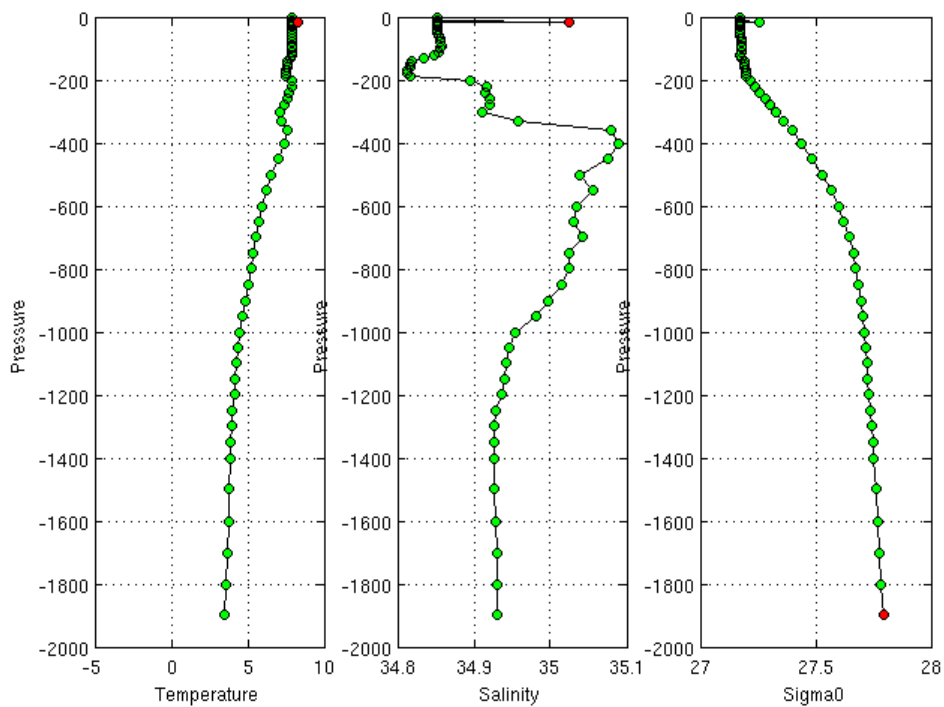
BO,6901170,92,30/01/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=51459598> ,PSAL,15,15,1,4  
 BO,6901170,92,30/01/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=51459598> ,TEMP,15,15,1,4  
 BO,6901170,92,31/01/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=51459598> ,PSAL,15,15,1,4  
 BO,6901170,92,31/01/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=51459598> ,TEMP,15,15,1,4  
 BO,6901915,110,23/09/2015 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=41393020> ,TEMP,1,1984,3,1

Example of corrections:

**Warning Objective Analysis Anomalies 2017 February TEMP PSAL : DAC BO- Float 1901316-125**



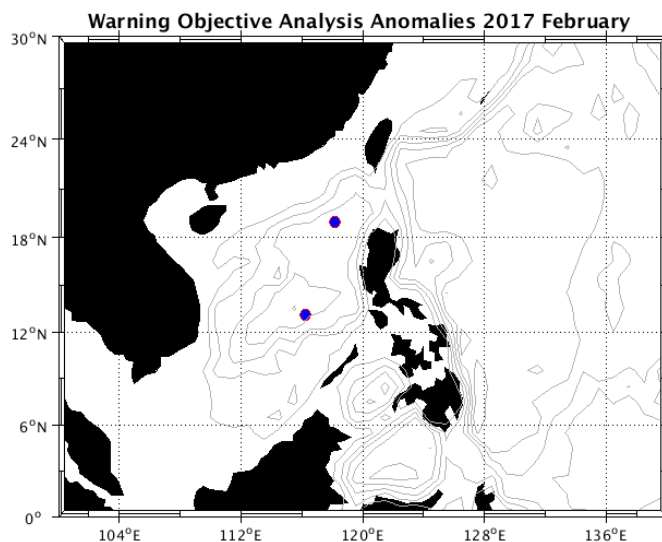
**Warning Objective Analysis Anomalies 2017 February TEMP PSAL : DAC BO- Float 6901170-92**



### 3. DAC CSIO

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	2 cycles	0 cycle

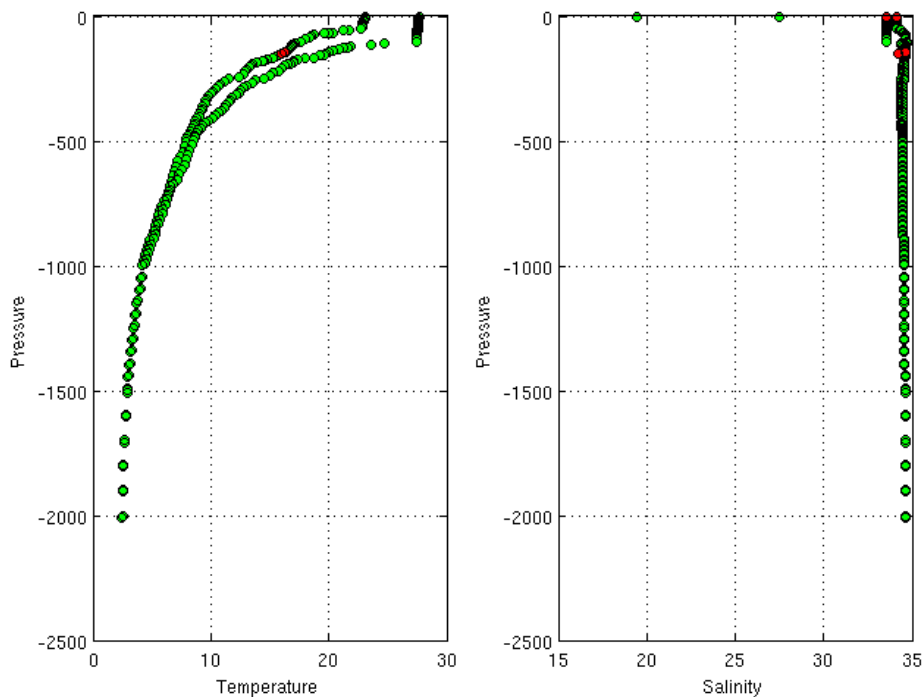


**Status of corrections: Correction not done, no feedback**

Float : 2902692 - Cycle : 33 - PI : JIANPING XU - Data mode : A - INST REF : - Date : 2017 2 19

Float : 2902696 - Cycle : 31 - PI : JIANPING XU - Data mode : A - INST REF : - Date : 2017 2 20

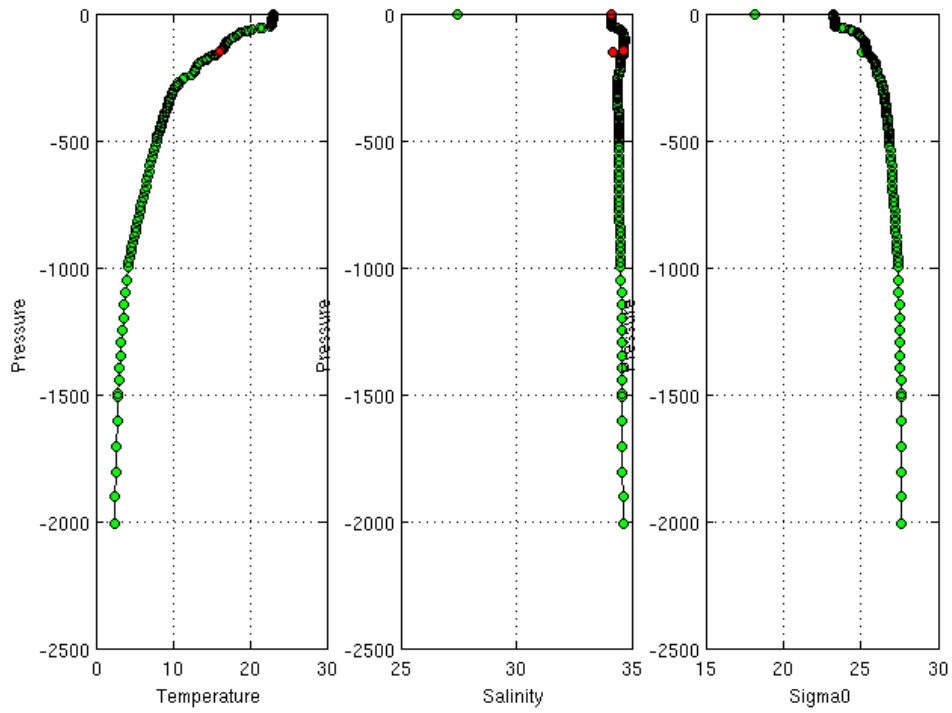
Warning Objective Analysis Anomalies 2017 February TEMP PSAL - DAC HZ



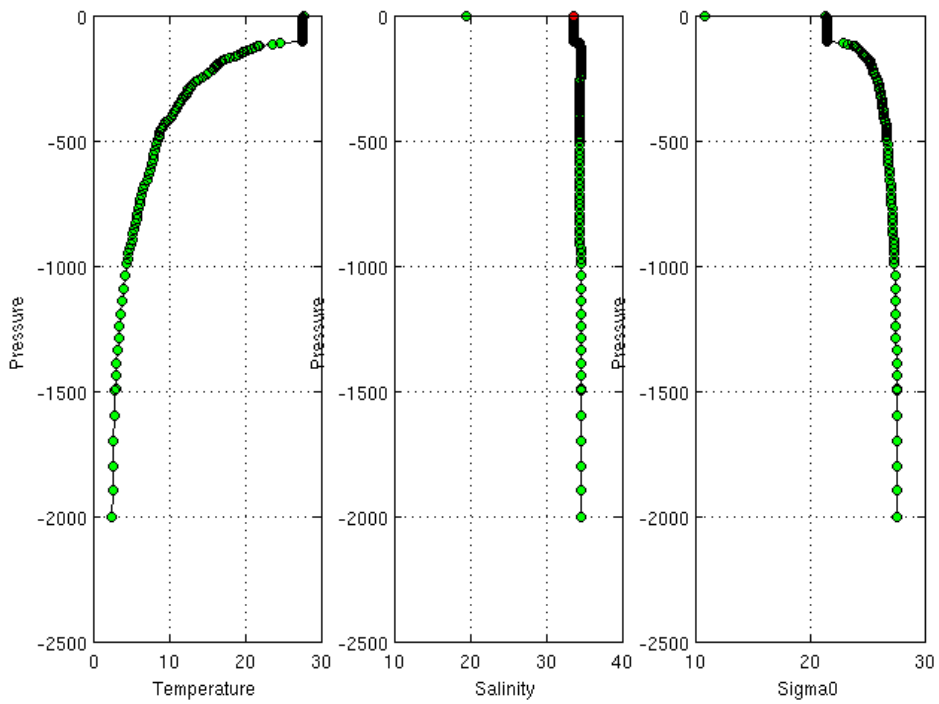
DAC\_CODE,PLATFORM\_CODE,CV\_NUMBER,DATE\_UPDATE,DIRECTION,WEB\_URL,PARAMETER,START\_IMMERSION,STOP\_IMMERSION,OLD\_QC,NEW\_QC  
 HZ,2902692,33,25/02/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=51834151> ,PSAL,.1,.1,1,4  
 HZ,2902692,33,25/02/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=51834151> ,PSAL\_ADJUSTED,.1,.1,1,4  
 HZ,2902696,31,23/02/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=51834158> ,PSAL,.1,.1,1,4  
 HZ,2902696,31,23/02/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=51834158> ,PSAL\_ADJUSTED,.1,.1,1,4

Example of corrections:

Warning Objective Analysis Anomalies 2017 February TEMP PSAL : DAC HZ- Float 2902692-33



Warning Objective Analysis Anomalies 2017 February TEMP PSAL : DAC HZ- Float 2902696-31

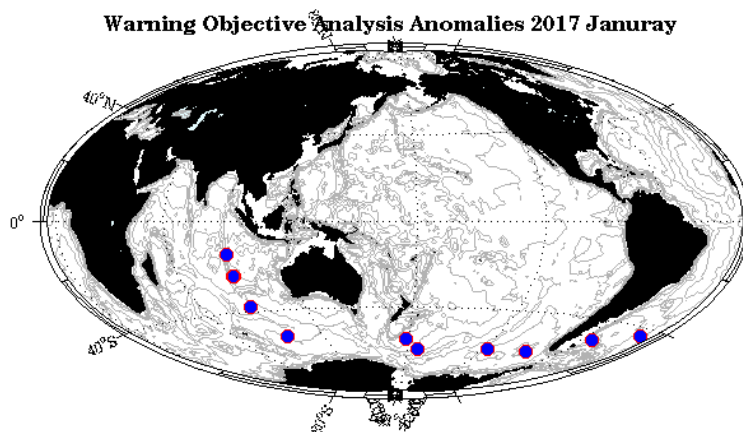




## 4. DAC CSIRO

Profiles detected by the objective analysis: 11 profiles (9 floats – float can have several cycles with anomalies)

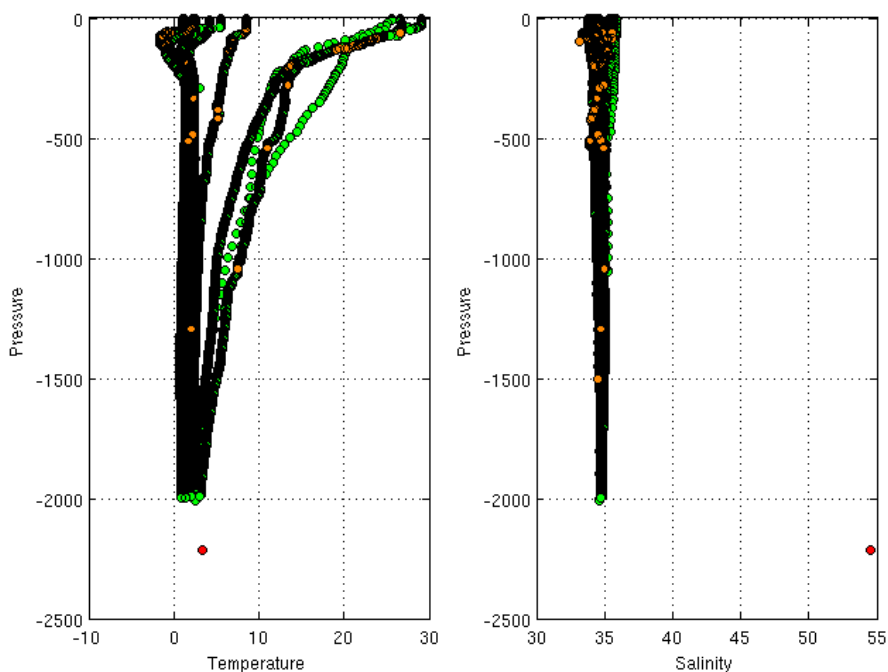
Data_mode ='R'	Data_mode ='A'	Data_mode ='D'
0 cycle	11 cycles	0 cycle



**Status of corrections:** Corrections are in progress, feedback.

Float : 1901330 - Cycle : 194 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2017 2 19  
 Float : 2901853 - Cycle : 127 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2017 2 14  
 Float : 5903230 - Cycle : 270 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2017 2 21  
 Float : 5903935 - Cycle : 190 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2017 2 5  
 Float : 5904919 - Cycle : 76 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2017 2 6  
 Float : 5905004 - Cycle : 44 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2017 2 8  
 Float : 5905007 - Cycle : 42 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2017 1 29  
 Float : 7900391 - Cycle : 118 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2017 1 30  
 Float : 7900391 - Cycle : 119 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2017 2 8  
 Float : 7900620 - Cycle : 29 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2017 2 3  
 Float : 7900620 - Cycle : 30 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2017 2 12

**Warning Objective Analysis Anomalies 2017 February TEMP PSAL - DAC CS**

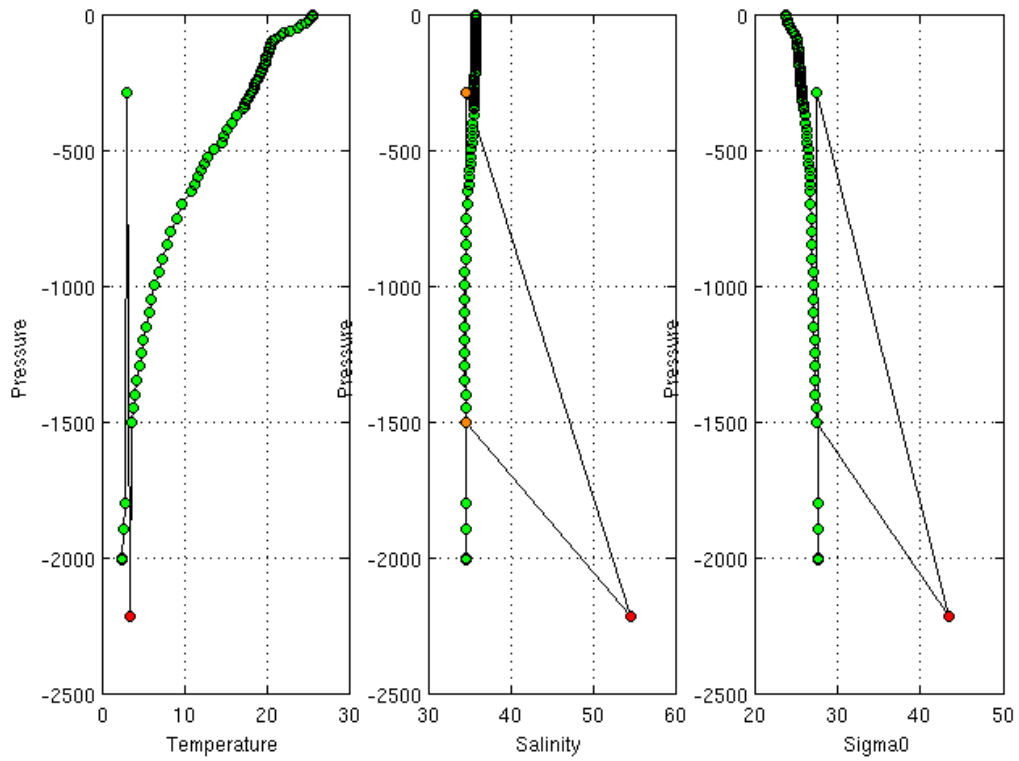




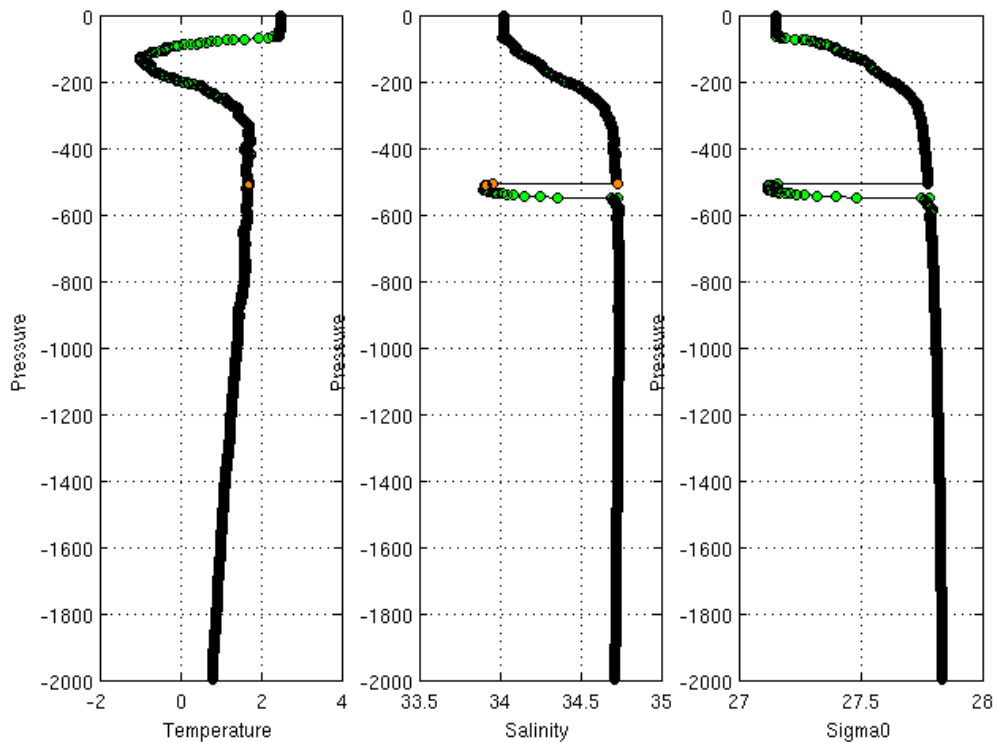


Example of corrections:

Warning Objective Analysis Anomalies 2017 February TEMP PSAL : DAC CS- Float 5903935-190



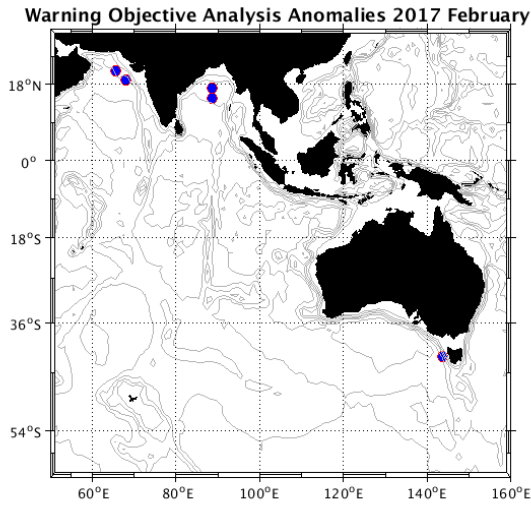
Warning Objective Analysis Anomalies 2017 February TEMP PSAL : DAC CS- Float 7900391-119



## 5. DAC INCOIS

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

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



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

Float : 2901345 - Cycle : 183 - PI : M Ravichandran - Data mode : A - INST REF : - Date : 2017 1 23

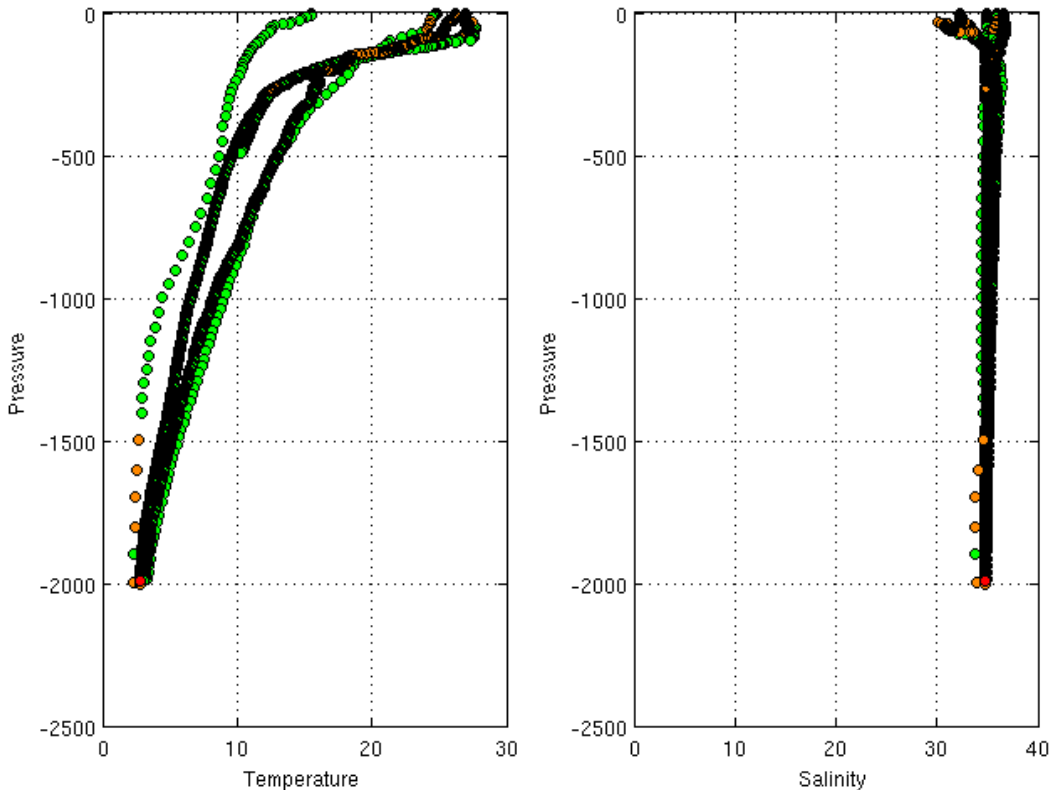
Float : 2902133 - Cycle : 103 - PI : M Ravichandran - Data mode : A - INST REF : - Date : 2017 2 22

Float : 2902192 - Cycle : 81 - PI : M Ravichandran - Data mode : A - INST REF : - Date : 2017 2 14

Float : 2902204 - Cycle : 79 - PI : M Ravichandran - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 7550 - Date : 2017 1 27

Float : 2902217 - Cycle : 13 - PI : M Ravichandran - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 7825 - Date : 2017 2 21

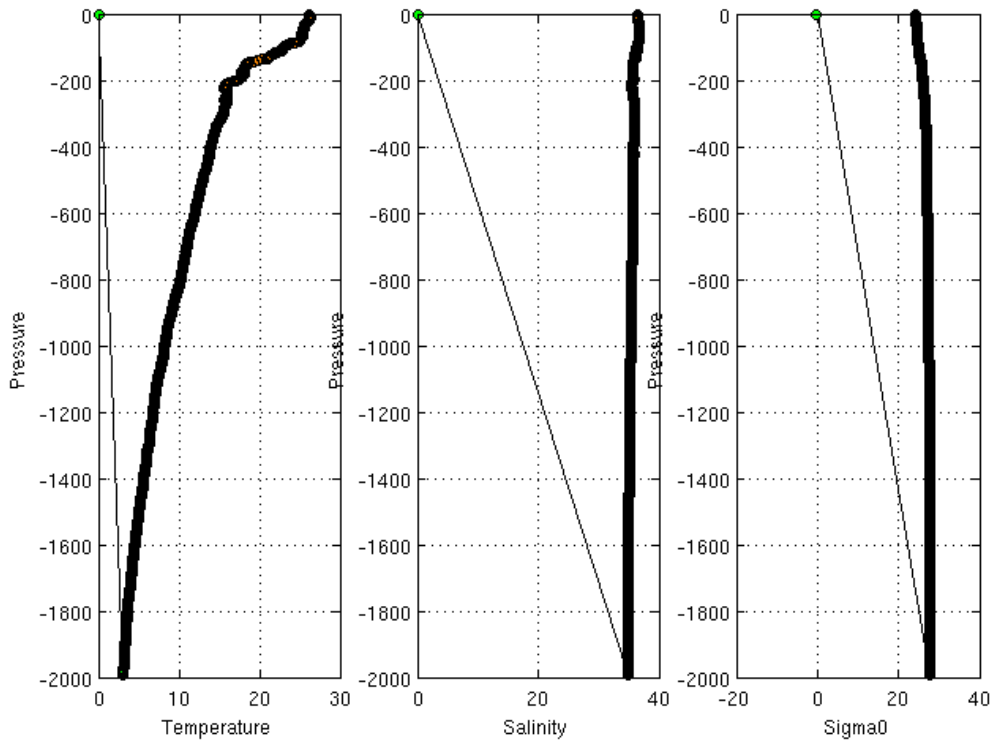
### Warning Objective Analysis Anomalies 2017 February TEMP PSAL - DAC IN



IN,2901345,183,26/01/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51633207 ,PSAL,1499.9,1999,3,4  
 IN,2901345,183,26/01/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51633207 ,PSAL\_ADJUSTED,1499.9,1999,3,4  
 IN,2901345,183,26/01/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51633207 ,TEMP,1499.9,1999,3,4  
 IN,2901345,183,26/01/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51633207 ,TEMP\_ADJUSTED,1499.9,1999,3,4  
 IN,2902133,103,25/02/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51851279 ,PSAL,25,85,3,4  
 IN,2902133,103,25/02/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51851279 ,PSAL\_ADJUSTED,25,85,3,4  
 IN,2902192,81,14/02/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51797584 ,PSAL,2000.8,2000.8,3,4  
 IN,2902192,81,14/02/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51797584 ,PSAL\_ADJUSTED,2000.8,2000.8,3,4  
 IN,2902192,81,14/02/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51797584 ,PSAL\_ADJUSTED,262,302.1,3,4  
 IN,2902192,81,14/02/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51797584 ,TEMP,2000.8,2000.8,3,4  
 IN,2902192,81,14/02/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51797584 ,TEMP\_ADJUSTED,2000.8,2000.8,3,4  
 IN,2902204,79,27/01/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51661043 ,PSAL,2000.06,2000.06,1,3  
 IN,2902204,79,27/01/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51661043 ,PSAL\_ADJUSTED,2000.06,2000.06,1,3  
 IN,2902204,79,27/01/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51661043 ,TEMP,2000.06,2000.06,1,3  
 IN,2902204,79,27/01/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51661043 ,TEMP\_ADJUSTED,2000.06,2000.06,1,3  
 IN,2902217,13,21/02/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51845859 ,PSAL,32,76,3,4  
 IN,2902217,13,21/02/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51845859 ,PSAL\_ADJUSTED,32,76,3,4  
 IN,2902217,13,21/02/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51845859 ,TEMP,32,43.9,3,4  
 IN,2902217,13,21/02/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51845859 ,TEMP\_ADJUSTED,32,43.9,3,4

Example of corrections:

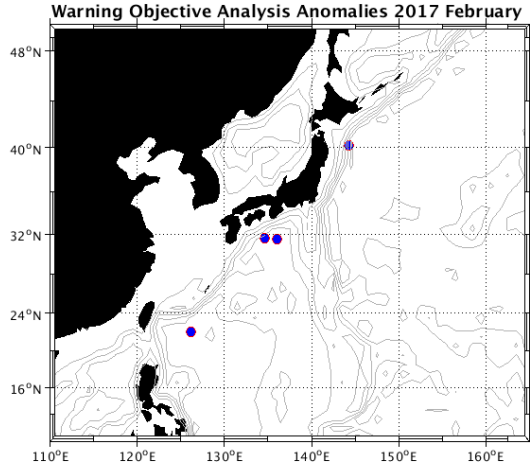
**Warning Objective Analysis Anomalies 2017 February TEMP PSAL : DAC IN- Float 2902204-79**



## 6. DAC JMA/JAMSTEC

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

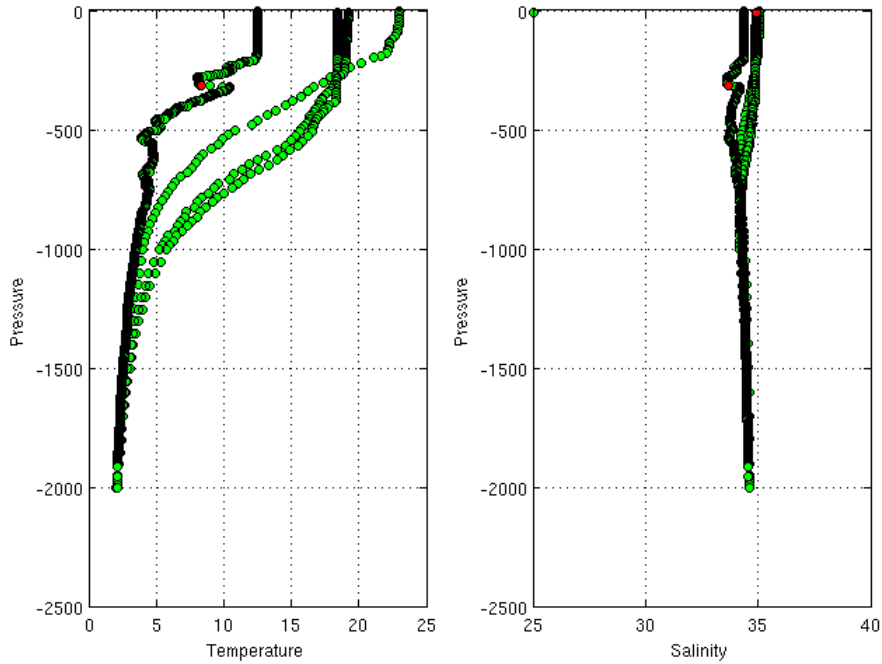
Data_mode ='R'	Data_mode ='A'	Data_mode ='D'
2 cycles	2 cycles	0 cycle



**Status of corrections: Not done – no feedback**

- Float : 2902451 - Cycle : 129 - PI : JAMSTEC - Data mode : R - INST REF : - Date : 2017 1 29
- Float : 2902451 - Cycle : 131 - PI : JAMSTEC - Data mode : R - INST REF : - Date : 2017 2 18
- Float : 2902944 - Cycle : 162 - PI : JMA - Data mode : A - INST REF : - Date : 2017 2 7
- Float : 2903003 - Cycle : 74 - PI : JAMSTEC Akira Kuwano-Yoshida - Data mode : A - INST REF : - Date : 2017 1 23

**Warning Objective Analysis Anomalies 2017 February TEMP PSAL - DAC JA**

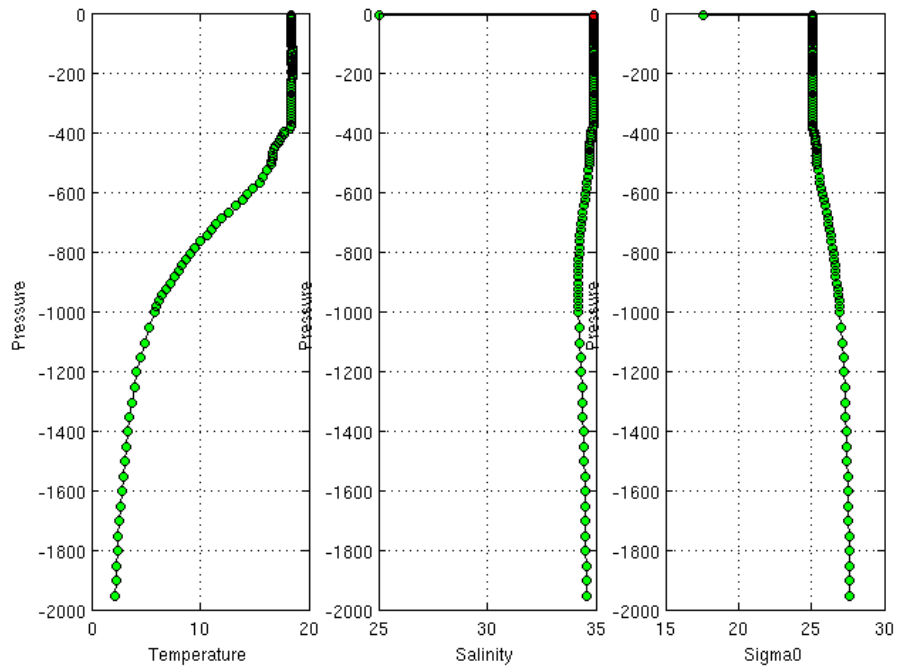


DAC\_CODE,PLATFORM\_CODE,CV\_NUMBER,DATE\_UPDATE,DIRECTION,WEB\_URL,PARAMETER,START\_IMMERSION,STOP\_IMMERSION,OLD\_QC,NEW\_QC  
 JA,2902451,129,02/02/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=51675802> ,PSAL,6.2,6.2,1,4  
 JA,2902451,129,30/01/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=51675802> ,PSAL,6.2,6.2,1,4  
 JA,2902451,131,22/02/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=51827652> ,PSAL,6.9,6.9,1,4  
 JA,2902944,162,07/02/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=51726597> ,PSAL,1133.9,1133.9,1,4

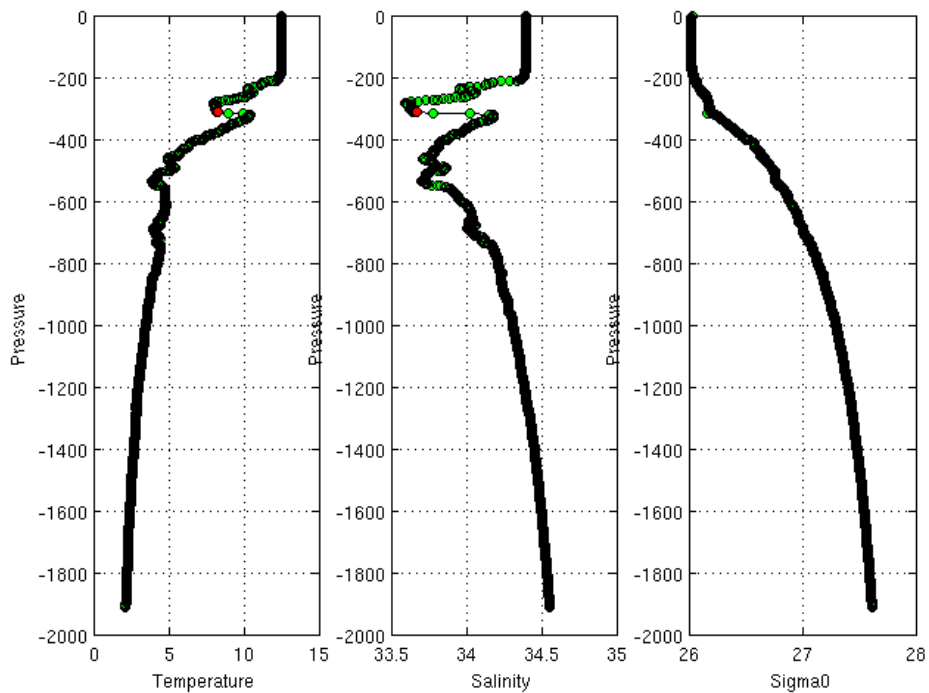
JA,2902944,162,07/02/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51726597 ,PSAL\_ADJUSTED,1133.9,1133.9,1,4  
 JA,2902944,162,07/02/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51726597 ,TEMP,-325.6,-325.6,1,4  
 JA,2902944,162,07/02/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51726597 ,TEMP\_ADJUSTED,-325.6,-325.6,1,4  
 JA,2903003,74,24/01/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51633149 ,PSAL,314,316,4,1  
 JA,2903003,74,24/01/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51633149 ,PSAL,316,316,1,1  
 JA,2903003,74,24/01/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51633149 ,PSAL\_ADJUSTED,314,316,4,1  
 JA,2903003,74,24/01/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51633149 ,PSAL\_ADJUSTED,316,316,1,1  
 JA,2903003,74,24/01/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51633149 ,TEMP,314,314,4,1  
 JA,2903003,74,24/01/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51633149 ,TEMP\_ADJUSTED,314,314,4,1

Example of anomalies:

**Warning Objective Analysis Anomalies 2017 February TEMP PSAL : DAC JA- Float 2902451-131**



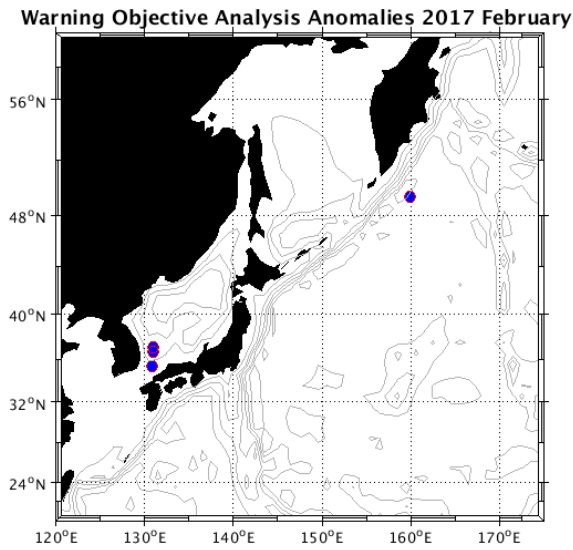
**Warning Objective Analysis Anomalies 2017 February TEMP PSAL : DAC JA- Float 2903003-74**



## 7. DAC KMA

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

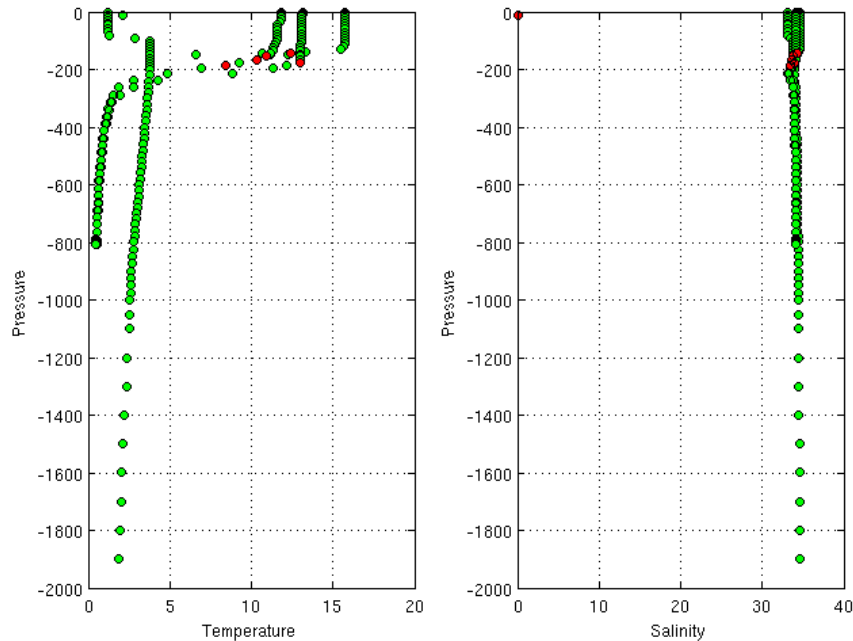
Data_mode ='R'	Data_mode ='A'	Data_mode ='D'
3 cycles	1 cycle	0 cycle



**Status of corrections: Correction not done**

Float : 2901716 - Cycle : 129 - PI : Young-Hwa Kim - Data mode : A - INST REF : - Date : 2017 2 14  
 Float : 2901750 - Cycle : 26 - PI : Jaeyoung Byon - Data mode : R - INST REF : - Date : 2017 1 28  
 Float : 2901750 - Cycle : 29 - PI : Jaeyoung Byon - Data mode : R - INST REF : - Date : 2017 2 18  
 Float : 2901758 - Cycle : 19 - PI : Jaeyoung Byon - Data mode : R - INST REF : - Date : 2017 2 5

**Warning Objective Analysis Anomalies 2017 February TEMP PSAL - DAC KM**

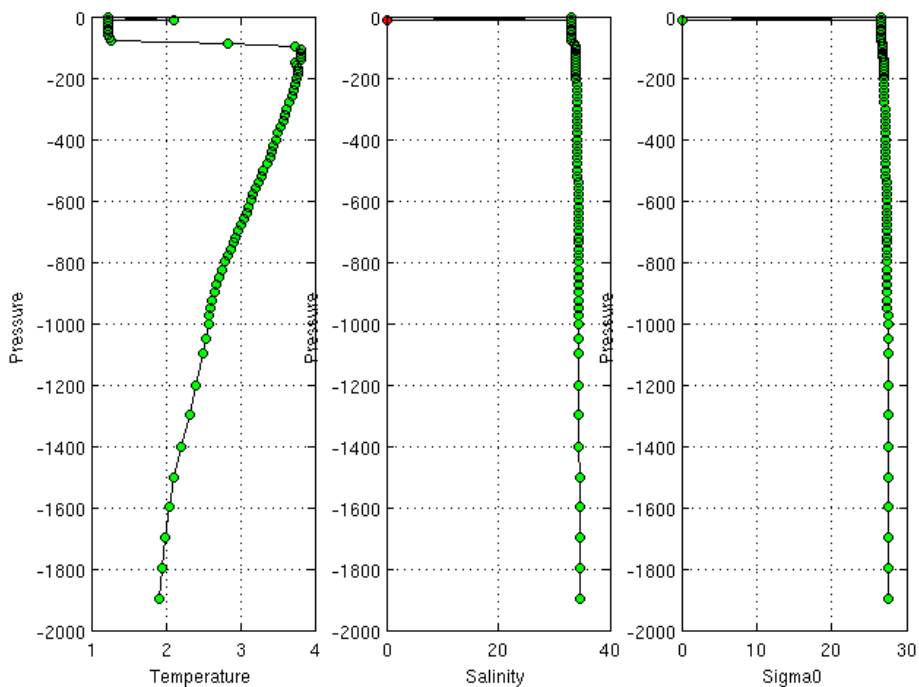


DAC\_CODE,PLATFORM\_CODE,CV\_NUMBER,DATE\_UPDATE,DIRECTION,WEB\_URL,PARAMETER,START\_IMMERSION,STOP\_IMMERSION,OLD\_QC,NEW\_QC  
 KM,2901716,129,15/02/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=51800779> ,TEMP,10.2,10.2,1,4  
 KM,2901716,129,15/02/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=51800779> ,TEMP\_ADJUSTED,10.2,10.2,1,4  
 KM,2901750,26,29/01/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=51673274> ,PSAL,185,288,1,4  
 KM,2901750,29,19/02/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=51827567> ,PSAL,126,145,1,4

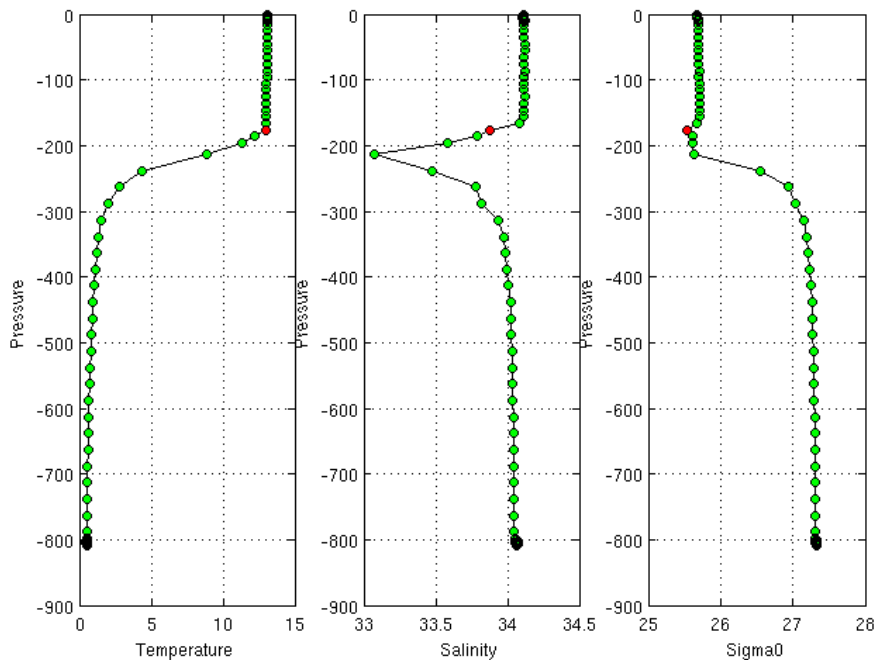
KM,2901750,29,19/02/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=51827567> ,PSAL,175,175,1,4  
 KM,2901750,29,19/02/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=51827567> ,PSAL,195,313,1,4  
 KM,2901750,29,19/02/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=51827567> ,PSAL,792,806,1,4  
 KM,2901758,19,06/02/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=51723119> ,PSAL,141,141,1,4  
 KM,2901758,19,06/02/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=51723119> ,PSAL,143,143,1,4  
 KM,2901758,19,06/02/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=51723119> ,PSAL,146,148,1,4  
 KM,2901758,19,06/02/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=51723119> ,TEMP,141,141,1,4  
 KM,2901758,19,06/02/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=51723119> ,TEMP,143,143,1,4  
 KM,2901758,19,06/02/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=51723119> ,TEMP,146,148,1,4

Example of anomalies:

Warning Objective Analysis Anomalies 2017 February TEMP PSAL : DAC KM- Float 2901716-129



Warning Objective Analysis Anomalies 2017 February TEMP PSAL : DAC KM- Float 2901750-26

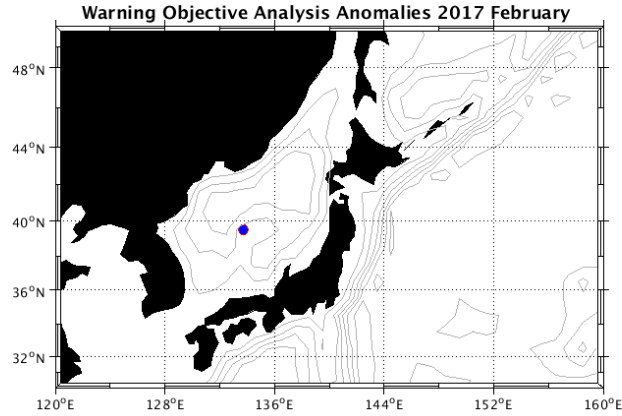




## 8. DAC KORDI

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

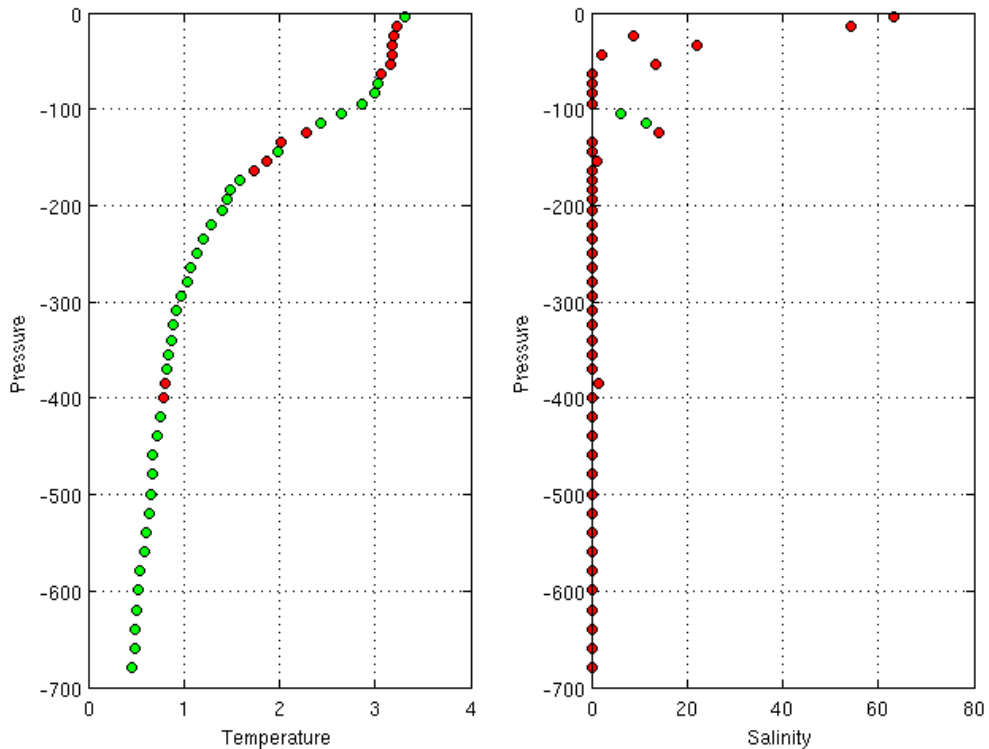
Data_mode ='R'	Data_mode ='A'	Data_mode ='D'
0 cycle	1 cycle	0 cycle



**Status of corrections: Correction not done**

Float : 2901206 - Cycle : 304 - PI : Moon-Sik Suk - Data mode : A - INST REF : APEX-SBE 4106 - Date : 2017 2 4

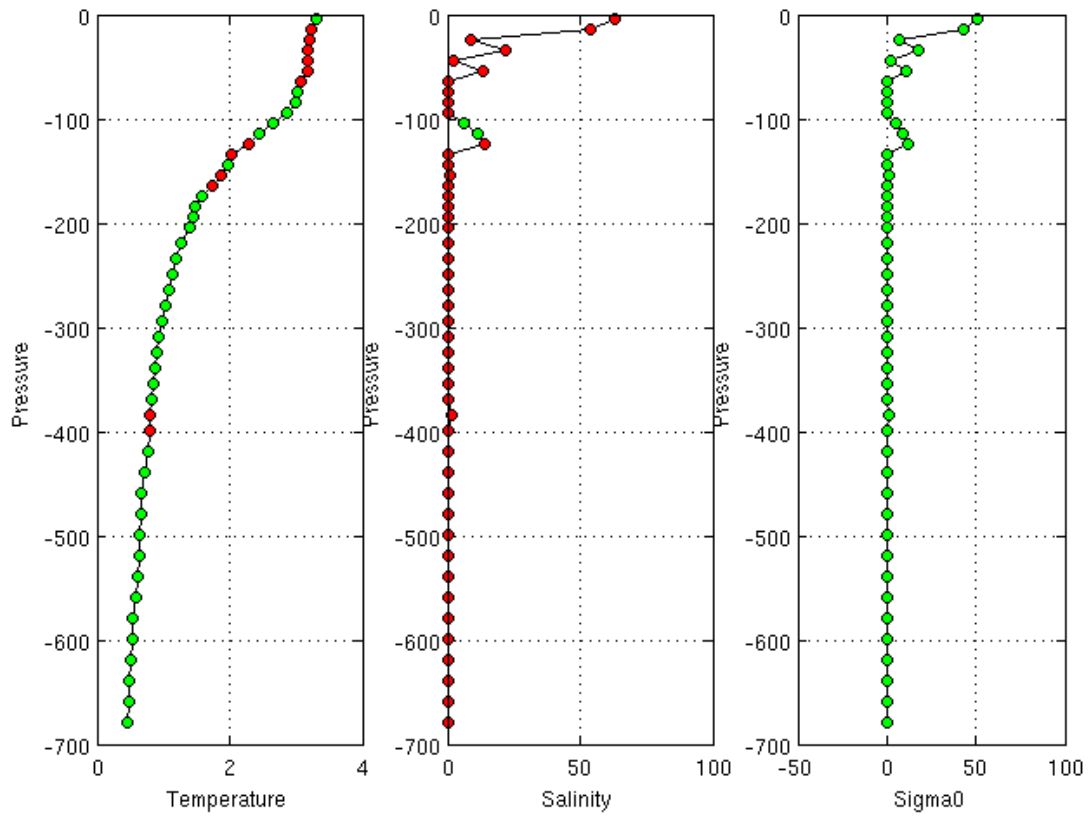
### Warning Objective Analysis Anomalies 2017 February TEMP PSAL - DAC KO



DAC\_CODE,PLATFORM\_CODE,CV\_NUMBER,DATE\_UPDATE,DIRECTION,WEB\_URL,PARAMETER,START\_IMMERSION,STOP\_IMMERSION,OLD\_QC,NEW\_QC  
 KO,2901206,304,05/02/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=51720469> ,PSAL,104.3,114.2,1,4  
 KO,2901206,304,05/02/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=51720469> ,PSAL\_ADJUSTED,104.3,114.2,1,4  
 KO,2901206,304,08/02/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=51720469> ,PSAL,104.3,114.2,1,4  
 KO,2901206,304,08/02/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=51720469> ,PSAL\_ADJUSTED,104.3,114.2,1,4

Example of anomalies:

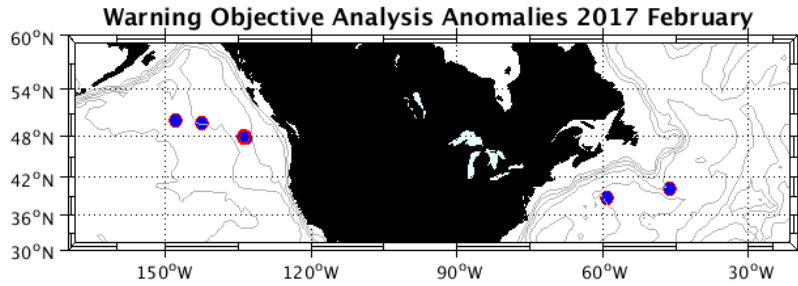
**Warning Objective Analysis Anomalies 2017 February TEMP PSAL : DAC KO- Float 2901206-304**



## 9. DAC MEDS

Profiles detected by the objective analysis: 10 profiles (5 floats – float can have several cycles with anomalies)

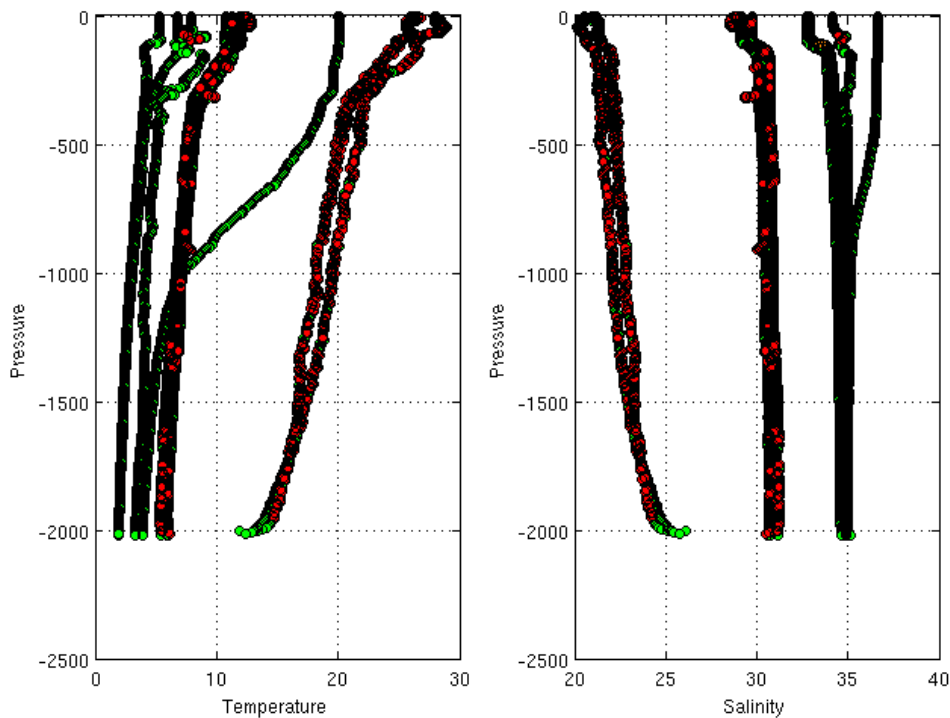
Data_mode ='R'	Data_mode ='A'	Data_mode ='D'
0 cycle	10 cycles	0 cycle



### **Status of corrections: Correction not done, no feedback**

Float : 4901755 - Cycle : 135 - PI : Blair Greenan - Data mode : A - INST REF : - Date : 2017 2 3  
 Float : 4901777 - Cycle : 58 - PI : Blair Greenan - Data mode : A - INST REF : - Date : 2017 2 8  
 Float : 4901790 - Cycle : 58 - PI : Blair Greenan - Data mode : A - INST REF : - Date : 2017 2 5  
 Float : 4901824 - Cycle : 19 - PI : Blair Greenan - Data mode : A - INST REF : - Date : 2016 12 17  
 Float : 4901824 - Cycle : 20 - PI : Blair Greenan - Data mode : A - INST REF : - Date : 2016 12 27  
 Float : 4901824 - Cycle : 23 - PI : Blair Greenan - Data mode : A - INST REF : - Date : 2017 1 26  
 Float : 4901824 - Cycle : 24 - PI : Blair Greenan - Data mode : A - INST REF : - Date : 2017 2 5  
 Float : 4901824 - Cycle : 25 - PI : Blair Greenan - Data mode : A - INST REF : - Date : 2017 2 15  
 Float : 4901824 - Cycle : 26 - PI : Blair Greenan - Data mode : A - INST REF : - Date : 2017 2 25  
 Float : 4902382 - Cycle : 8 - PI : Blair Greenan - Data mode : A - INST REF : - Date : 2017 2 8

### **Warning Objective Analysis Anomalies 2017 February TEMP PSAL - DAC ME**



DAC\_CODE,PLATFORM\_CODE,CV\_NUMBER,DATE\_UPDATE,DIRECTION,WEB\_URL,PARAMETER,START\_IMMERSION,STOP\_IMMERSION,OLD\_QC,NEW\_QC  
 ME,4901755,135,03/02/2017 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=51707159>,PSAL,2015.1,2021.2,1,4

























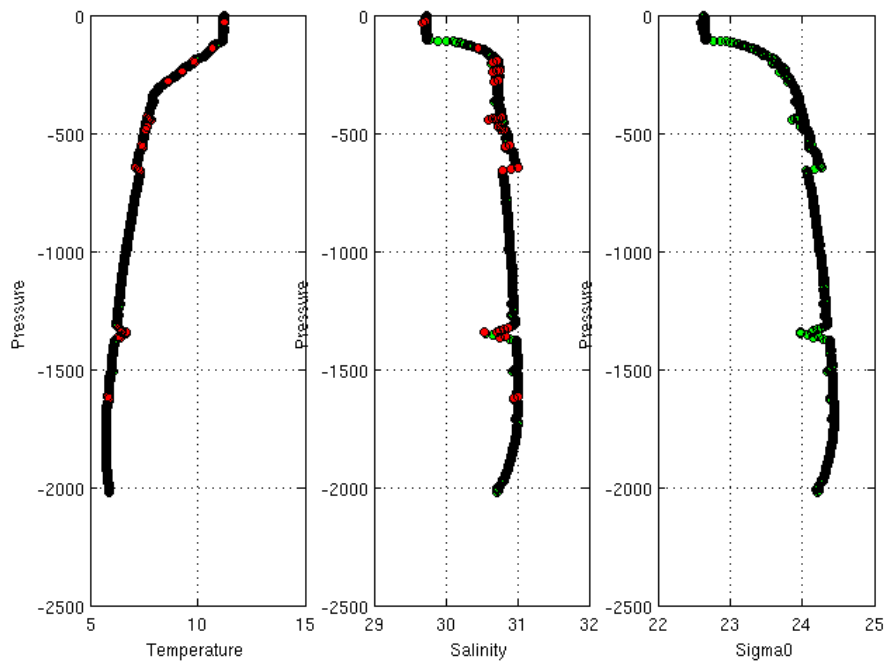




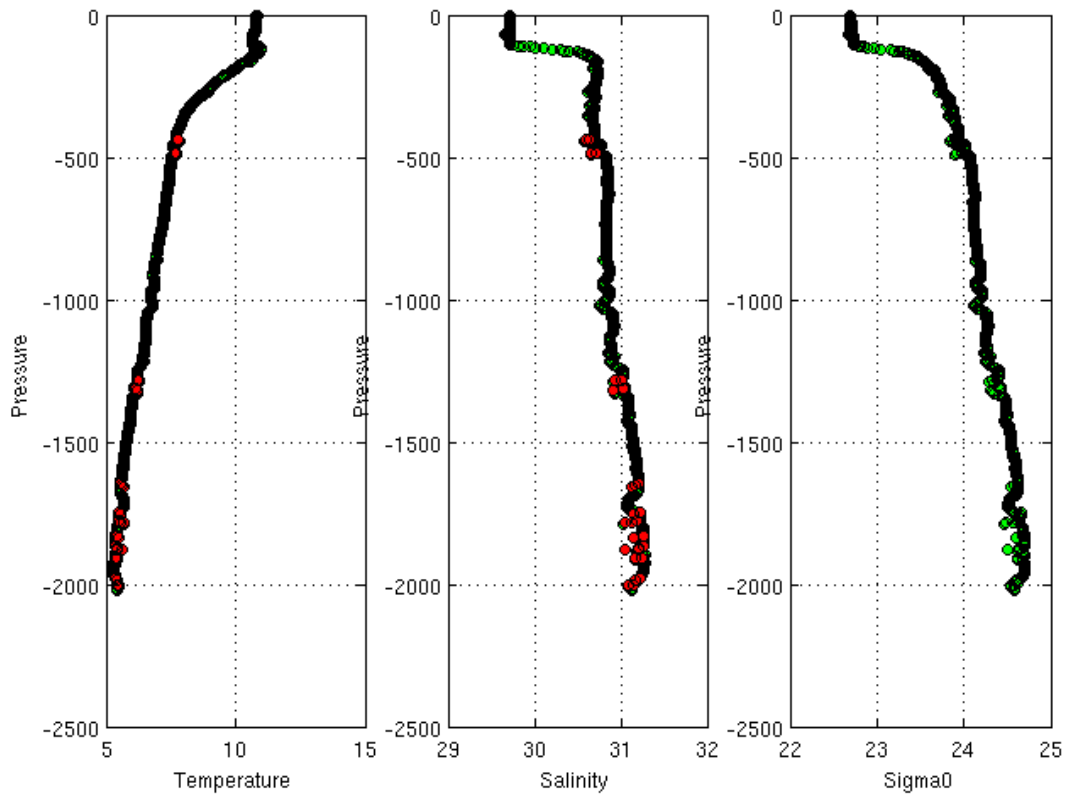
ME,4901824,26,25/02/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51872259 ,TEMP,1755,1770,1,4  
 ME,4901824,26,25/02/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51872259 ,TEMP,1789.9,1825,1,4  
 ME,4901824,26,25/02/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51872259 ,TEMP,1840,1860,1,4  
 ME,4901824,26,25/02/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51872259 ,TEMP,1885,1900,1,4  
 ME,4901824,26,25/02/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51872259 ,TEMP,1915,1975.1,1,4  
 ME,4901824,26,25/02/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51872259 ,TEMP,1990,1995,1,4  
 ME,4901824,26,25/02/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51872259 ,TEMP,2,435,1,4  
 ME,4901824,26,25/02/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51872259 ,TEMP,2010.1,2020,1,4  
 ME,4901824,26,25/02/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51872259 ,TEMP,442.5,482.5,1,4  
 ME,4901824,26,25/02/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51872259 ,TEMP,490,1275,1,4  
 ME,4901824,26,25/02/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51872259 ,TEMP\_ADJUSTED,1290,1310.1,1,4  
 ME,4901824,26,25/02/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51872259 ,TEMP\_ADJUSTED,1325,1640,1,4  
 ME,4901824,26,25/02/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51872259 ,TEMP\_ADJUSTED,1660,1740,1,4  
 ME,4901824,26,25/02/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51872259 ,TEMP\_ADJUSTED,1755,1770,1,4  
 ME,4901824,26,25/02/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51872259 ,TEMP\_ADJUSTED,1789.9,1825,1,4  
 ME,4901824,26,25/02/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51872259 ,TEMP\_ADJUSTED,1840,1860,1,4  
 ME,4901824,26,25/02/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51872259 ,TEMP\_ADJUSTED,1885,1900,1,4  
 ME,4901824,26,25/02/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51872259 ,TEMP\_ADJUSTED,1915,1975.1,1,4  
 ME,4901824,26,25/02/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51872259 ,TEMP\_ADJUSTED,1990,1995,1,4  
 ME,4901824,26,25/02/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51872259 ,TEMP\_ADJUSTED,2,435,1,4  
 ME,4901824,26,25/02/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51872259 ,TEMP\_ADJUSTED,2010.1,2020,1,4  
 ME,4901824,26,25/02/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51872259 ,TEMP\_ADJUSTED,442.5,482.5,1,4  
 ME,4901824,26,25/02/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51872259 ,TEMP\_ADJUSTED,490,1275,1,4  
 ME,4902382,8,08/02/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51741274 ,PSAL,78,78,1,4  
 ME,4902382,8,08/02/2017 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=51741274 ,PSAL\_ADJUSTED,78,78,1,4

Example of anomalies:

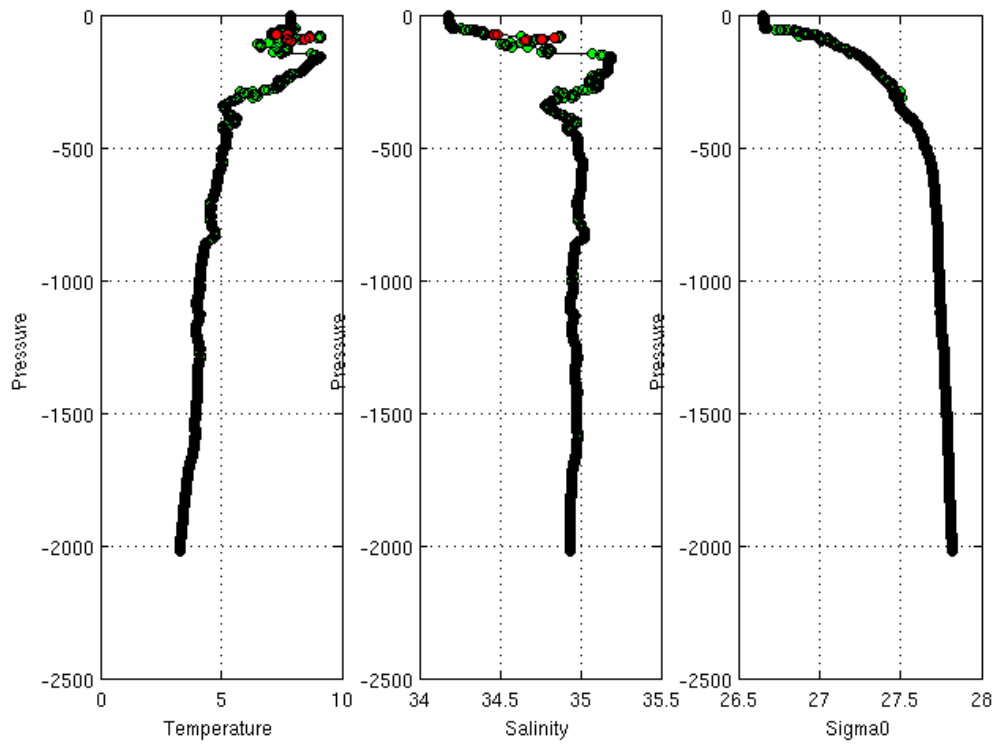
**Warning Objective Analysis Anomalies 2017 February TEMP PSAL : DAC ME- Float 4901824-25**



Warning Objective Analysis Anomalies 2017 February TEMP PSAL : DAC ME- Float 4901824-26



Warning Objective Analysis Anomalies 2017 February TEMP PSAL : DAC ME- Float 4902382-8



## 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 : 6313**

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

-

1901805 - Existing nc files

File : 1901805\_meta.nc - 1901805\_prof.nc -

2901106 - Existing nc files

File : 2901106\_Rtraj.nc - 2901106\_meta.nc - 2901106\_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

-

3901258 - Existing nc files

File : 3901258\_meta.nc - 3901258\_prof.nc -

3901283 - Existing nc files

File : 3901283\_meta.nc - 3901283\_prof.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 -

5904839 - Existing nc files  
File : 5904839\_meta.nc - 5904839\_prof.nc -

5904840 - Existing nc files  
File : 5904840\_meta.nc - 5904840\_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 : 556**

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 -

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 -

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 -

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 -

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 : 2433**

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 -

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 -

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

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

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 : 356**

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 -

2902697 - Existing nc files  
File : 2902697\_Rtraj.nc - 2902697\_meta.nc - 2902697\_prof.nc -

2902698 - Existing nc files  
File : 2902698\_Rtraj.nc - 2902698\_meta.nc - 2902698\_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 : 782**

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

## 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 : 409**

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 : 1471**

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

## 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 -

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 : 443

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)

- 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 =

34.687, 34.694, 34.684, 34.670, 34.664, 34.657, 34.658,

TEMP\_ADJUSTED =

18.364, 18.379, 18.277, 18.115, 18.069, 18.007, 17.965,

SCIENTIFIC\_CALIB\_COMMENT =

"Calibration error is manufacturers specified PRES accuracy at time of lab calibration",

"Calibration error is manufacturers specified TEMP accuracy at time of lab calibration",

"No salinity adjustment needed according to OW1.1. Ref. Data are CTD\_for\_DMQC\_2013V01+ARGO\_for\_DMQC\_2013V01";

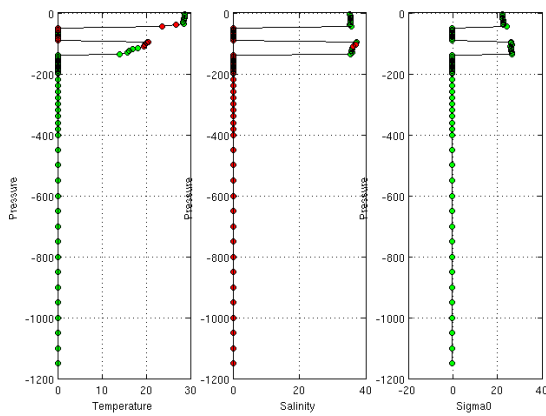
*Other problem for the same file (R2901632\_056):*



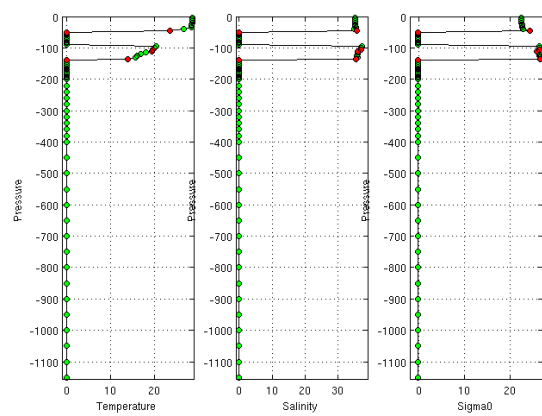
## 13. Automatic Tests (June's version)

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

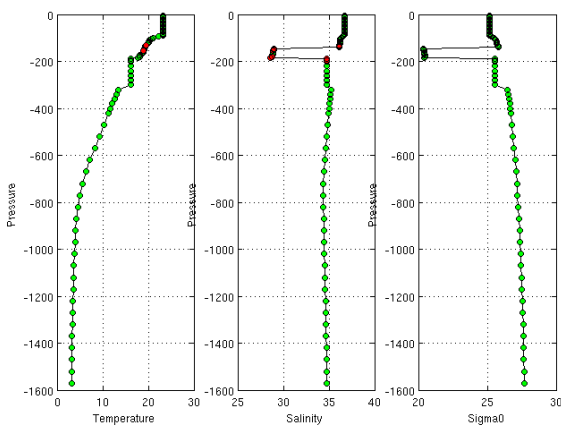
Warning Objective Analysis Anomalies 2016 June TEMP PSAL : DAC AO- Float 1901504-188



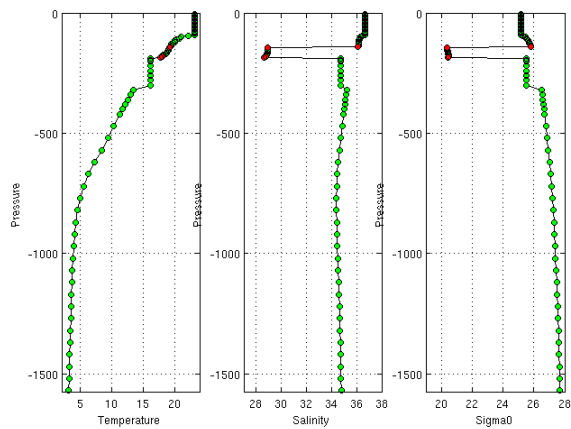
Using Jean Philippe Matlab density inversion test : Float 1901504\_88 Data mode : R



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



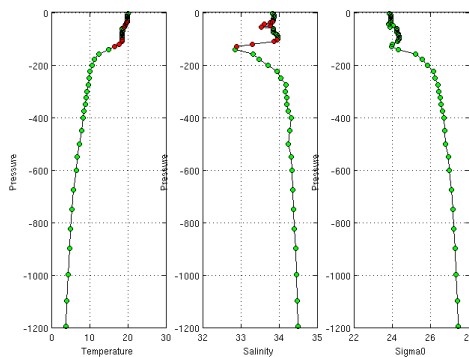
Using Jean Philippe Matlab density inversion test : Float 1900998\_39 Data mode : R



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 :

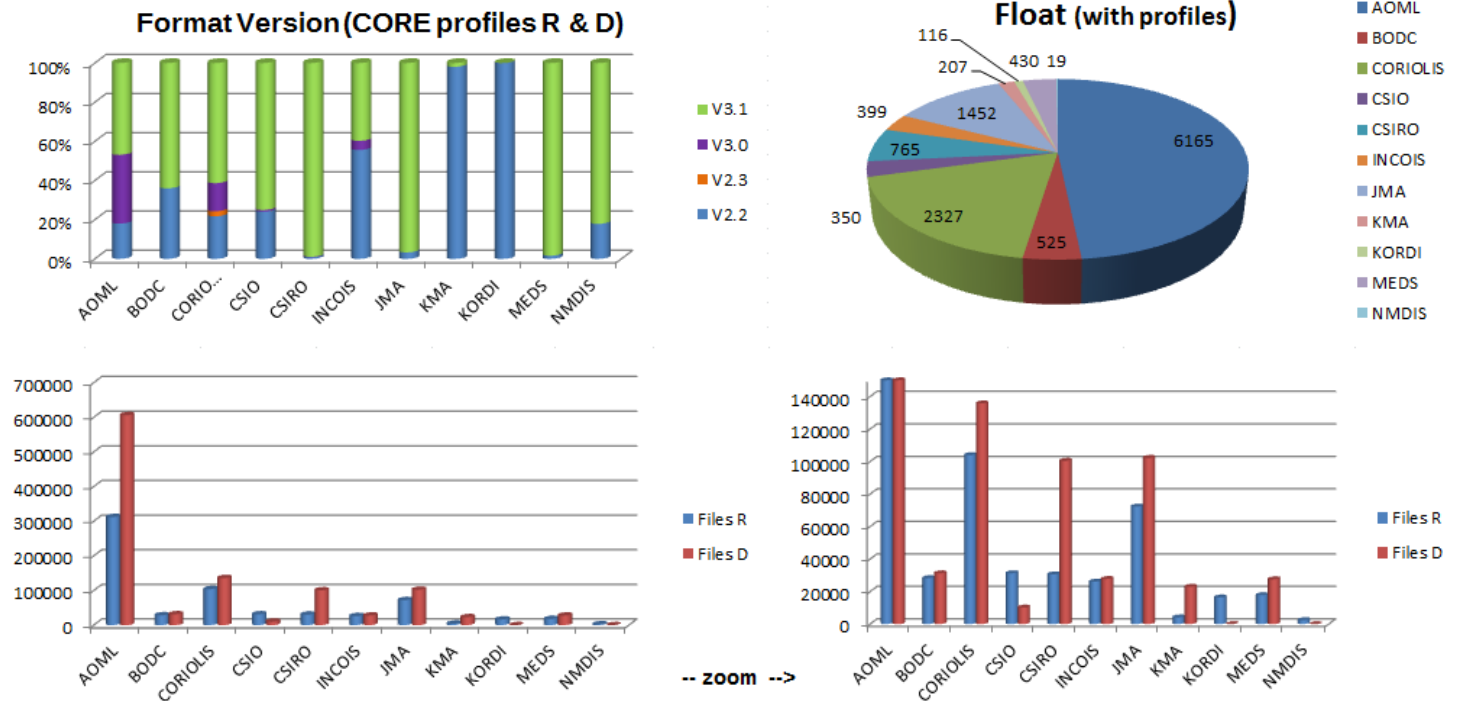
Warning Objective Analysis Anomalies 2016 June TEMP PSAL : DAC AO- Float 4902093-208



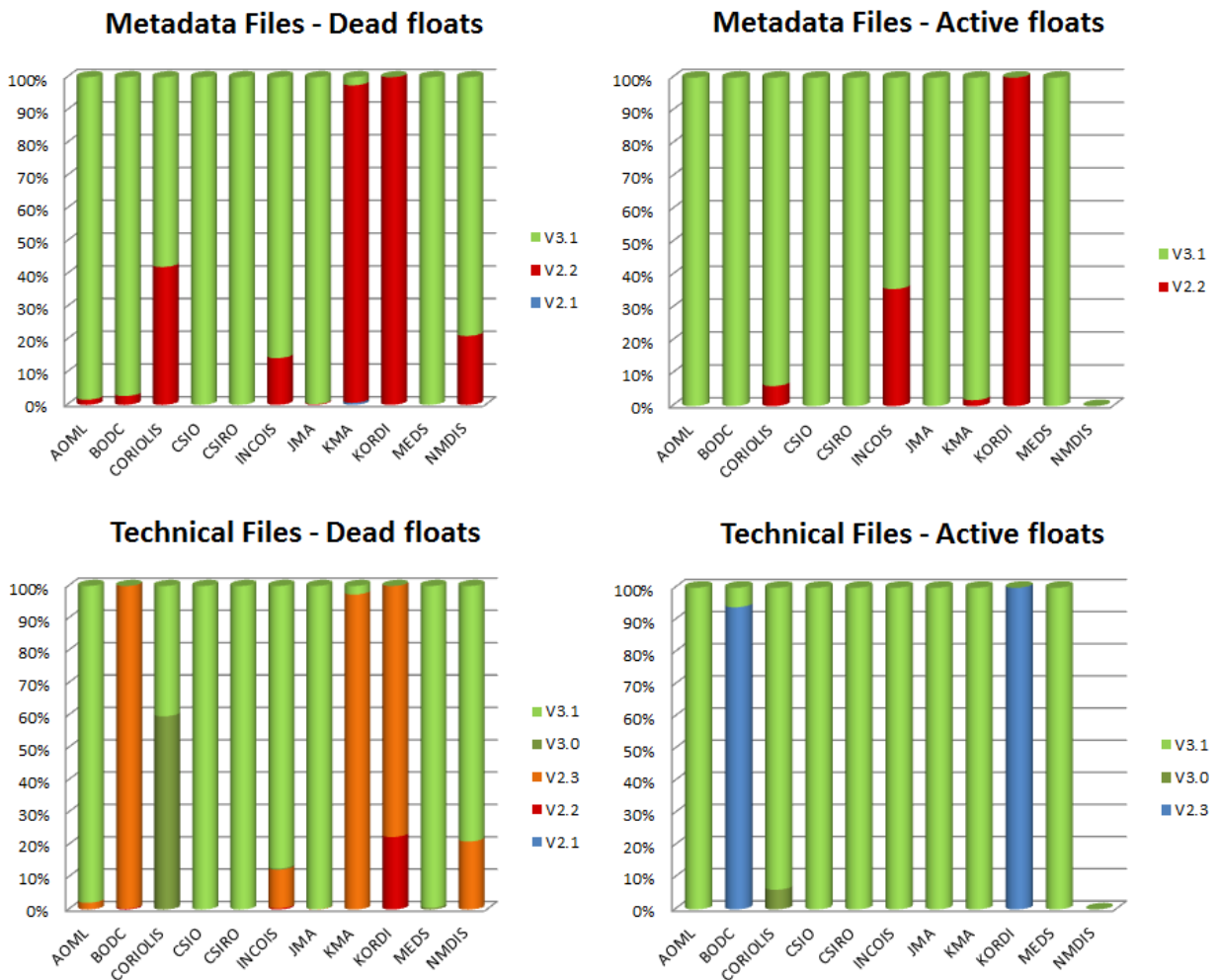
Some profiles have temperature measurements with the zero values which are not good but they did not fail with any test.

# 14. Statistics on floats and format version

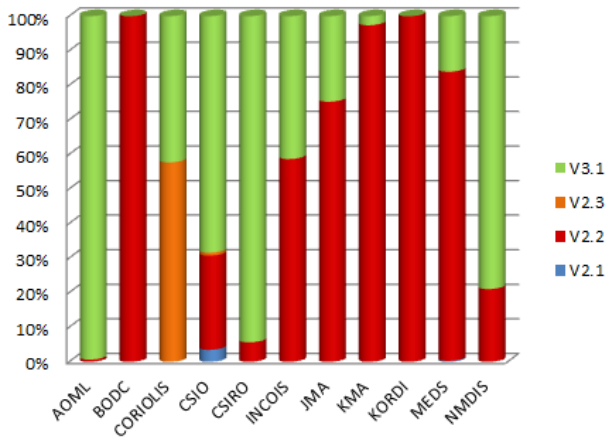
Plots showing format\_version percentage, number of floats (with profiles), number of D and R files by DACs.



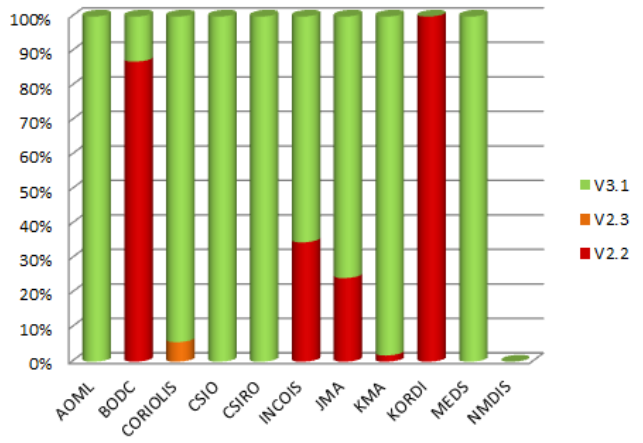
Plots showing format\_version percentage, for metadata-technical-trajectory and core profiles following dead or active floats.



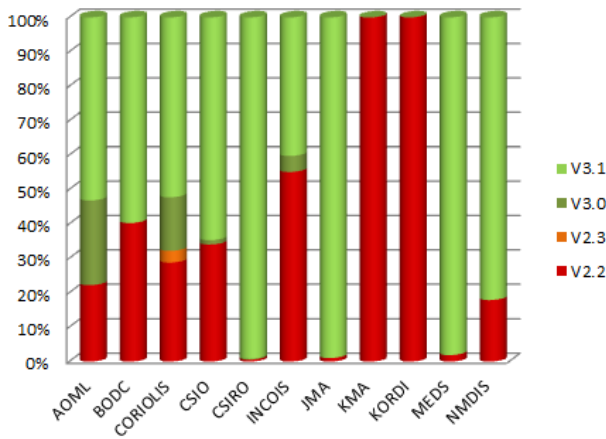
**Trajectory Files - Dead floats**



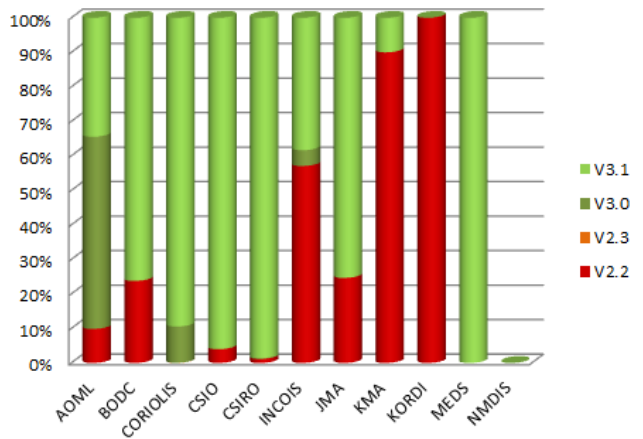
**Trajectory Files - Active floats**



**Profile files - Dead floats**



**Profile Files - Active floats**



## 15. Statistics on anomalies

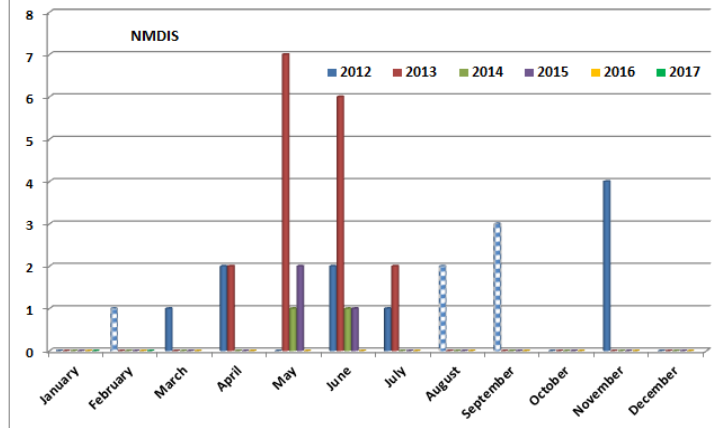
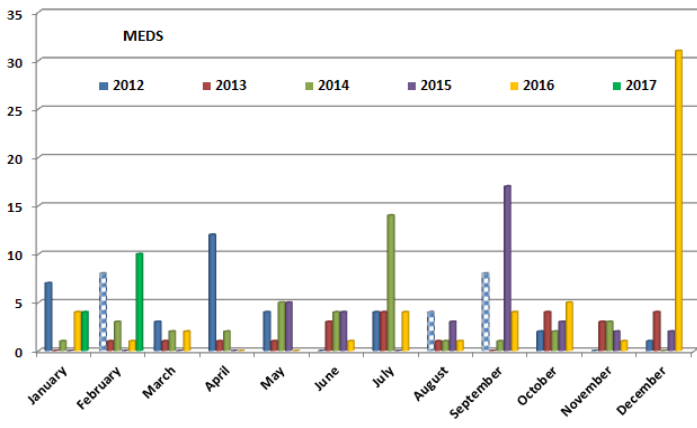
Plots showing evolution of number of anomalies by DAC.

### 15.1. Year









### 15.3. Anomalies by year, by month

