



Anomalies on Argo profiles

From warning objective analysis, netcdf file analysis

Format version

August 2016

Christine Coatanoan-Girou

Coriolis

Anomalies by DAC

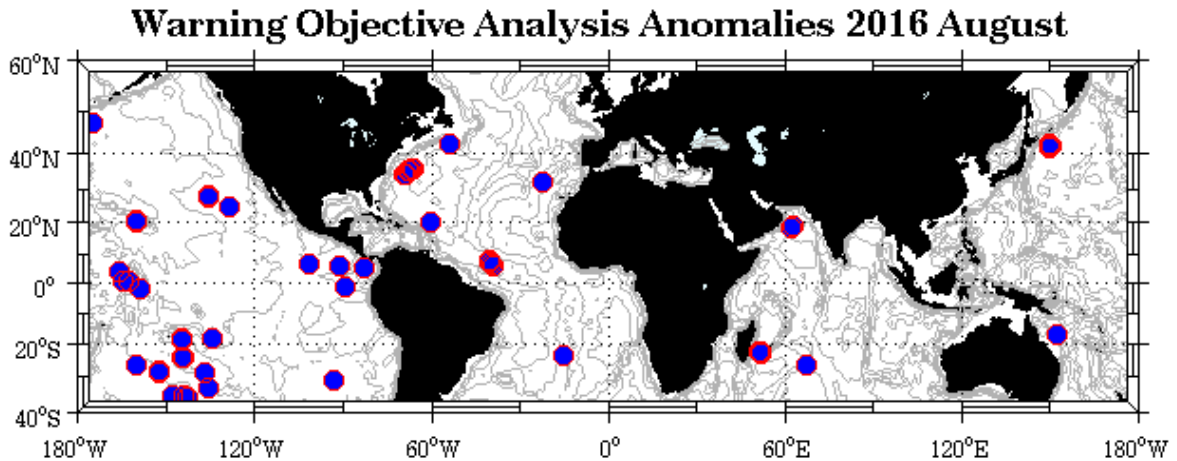
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1. DAC AOML

Profiles detected by the objective analysis:66 profiles



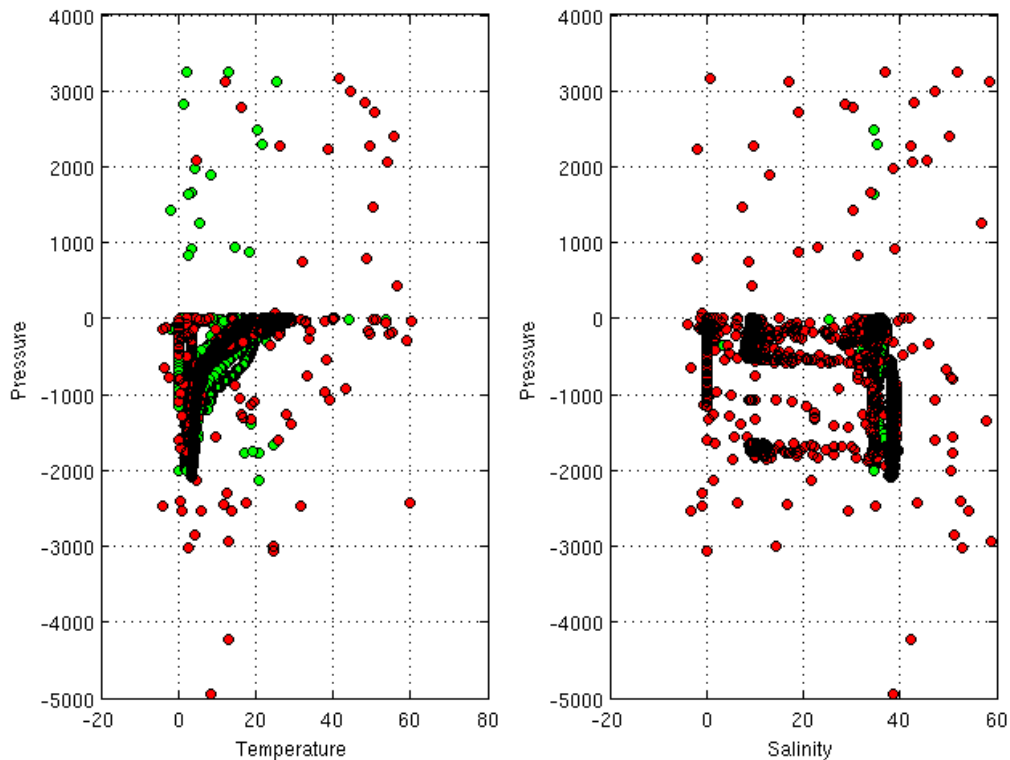
Status of corrections: Done for few profiles – still bad QC no corrected

In blue: floats with multipfiles.

- Float : 1900998 - Cycle : 243 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2016 7 30
- Float : 1901504 - Cycle : 192 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2016 7 29
- Float : 1901504 - Cycle : 193 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2016 8 8
- Float : 1901504 - Cycle : 194 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2016 8 18
- Float : 1901504 - Cycle : 195 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2016 8 28
- Float : 1901682 - Cycle : 429 - PI : BRECK OWENS, STEVE JAYNE, P.E. ROBBINS - Data mode : R - Platform type : S2A - WMO inst type : 854 - FLOAT SERIAL : 7084 - Date : 2016 8 19
- Float : 1901682 - Cycle : 440 - PI : BRECK OWENS, STEVE JAYNE, P.E. ROBBINS - Data mode : R - Platform type : S2A - WMO inst type : 854 - FLOAT SERIAL : 7084 - Date : 2016 8 22
- Float : 1901682 - Cycle : 447 - PI : BRECK OWENS, STEVE JAYNE, P.E. ROBBINS - Data mode : R - Platform type : S2A - WMO inst type : 854 - FLOAT SERIAL : 7084 - Date : 2016 8 24
- Float : 2901466 - Cycle : 215 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2016 8 5
- Float : 2901466 - Cycle : 216 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2016 8 9
- Float : 2901466 - Cycle : 217 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2016 8 13
- Float : 2901466 - Cycle : 219 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2016 8 21
- Float : 3900571 - Cycle : 352 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2016 8 17
- Float : 3900588 - Cycle : 329 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2016 8 18
- Float : 3900819 - Cycle : 207 - PI : DEAN ROEMMICH - Data mode : R - INST REF : - Date : 2016 7 30
- Float : 4901454 - Cycle : 130 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2016 8 2
- Float : 4901454 - Cycle : 131 - PI : BRECK OWENS - Data mode : R - INST REF : - Date : 2016 8 12
- Float : 4901707 - Cycle : 138 - PI : BRECK OWENS, STEVEN JAYNE, P.E. ROBBINS - Data mode : R - INST REF : - Date : 2016 8 16
- Float : 4901707 - Cycle : 139 - PI : BRECK OWENS, STEVEN JAYNE, P.E. ROBBINS - Data mode : R - INST REF : - Date : 2016 8 21
- Float : 4902085 - Cycle : 33 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2016 8 13
- Float : 4902093 - Cycle : 245 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2016 8 12
- Float : 4902095 - Cycle : 238 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2016 7 26
- Float : 4902095 - Cycle : 239 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2016 7 28
- Float : 4902095 - Cycle : 240 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2016 7 30
- Float : 4902095 - Cycle : 241 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2016 8 1
- Float : 4902095 - Cycle : 243 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2016 8 5
- Float : 4902095 - Cycle : 244 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2016 8 7
- Float : 4902095 - Cycle : 246 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2016 8 11
- Float : 4902095 - Cycle : 251 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2016 8 21
- Float : 4902095 - Cycle : 252 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2016 8 23
- Float : 4902095 - Cycle : 253 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2016 8 25
- Float : 4902304 - Cycle : 14 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2016 7 26
- Float : 5901884 - Cycle : 270 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2016 8 7
- Float : 5901895 - Cycle : 283 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2016 8 14
- Float : 5901895 - Cycle : 284 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2016 8 24
- Float : 5901897 - Cycle : 282 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2016 8 5
- Float : 5901897 - Cycle : 284 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2016 8 25
- Float : 5902092 - Cycle : 284 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2016 7 25
- Float : 5902092 - Cycle : 285 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2016 8 4
- Float : 5902092 - Cycle : 286 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2016 8 15
- Float : 5902092 - Cycle : 287 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2016 8 25
- Float : 5903558 - Cycle : 194 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2016 8 12
- Float : 5903598 - Cycle : 172 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2016 8 4
- Float : 5903598 - Cycle : 174 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2016 8 24
- Float : 5903974 - Cycle : 132 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 5849 - Date : 2016 7 28
- Float : 5903974 - Cycle : 133 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 5849 - Date : 2016 8 7

Float : 5903977 - Cycle : 135 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6118 - Date : 2016 8 24
 Float : 5903978 - Cycle : 133 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6119 - Date : 2016 8 3
 Float : 5903978 - Cycle : 134 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6119 - Date : 2016 8 13
 Float : 5903978 - Cycle : 135 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6119 - Date : 2016 8 23
 Float : 5903979 - Cycle : 132 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 5850 - Date : 2016 7 29
 Float : 5903979 - Cycle : 134 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 5850 - Date : 2016 8 19
 Float : 5903981 - Cycle : 135 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6219 - Date : 2016 8 26
 Float : 5903985 - Cycle : 132 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6223 - Date : 2016 8 1
 Float : 5903985 - Cycle : 134 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6223 - Date : 2016 8 21
 Float : 5904297 - Cycle : 75 - PI : GREGORY C. JOHNSON - Data mode : A - INST REF : - Date : 2016 8 24
 Float : 5904325 - Cycle : 262 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2016 8 19
 Float : 5904325 - Cycle : 264 - PI : CARL SZCZECZOWSKI - Data mode : A - INST REF : - Date : 2016 8 27
 Float : 5904398 - Cycle : 72 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6122 - Date : 2016 8 5
 Float : 5904406 - Cycle : 75 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6935 - Date : 2016 8 4
 Float : 5904406 - Cycle : 77 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6935 - Date : 2016 8 24
 Float : 5904454 - Cycle : 63 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6924 - Date : 2016 7 27
 Float : 5904454 - Cycle : 64 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6924 - Date : 2016 8 6
 Float : 5904454 - Cycle : 66 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6924 - Date : 2016 8 26
 Float : 5904456 - Cycle : 66 - PI : STEPHEN RISER - Data mode : A - Platform type : APEX - WMO inst type : 846 - FLOAT SERIAL : 6925 - Date : 2016 8 24
 Float : 5904628 - Cycle : 29 - PI : STEPHEN RISER - Data mode : A - INST REF : - Date : 2016 7 31

Warning Objective Analysis Anomalies 2016 August TEMP PSAL - DAC AO



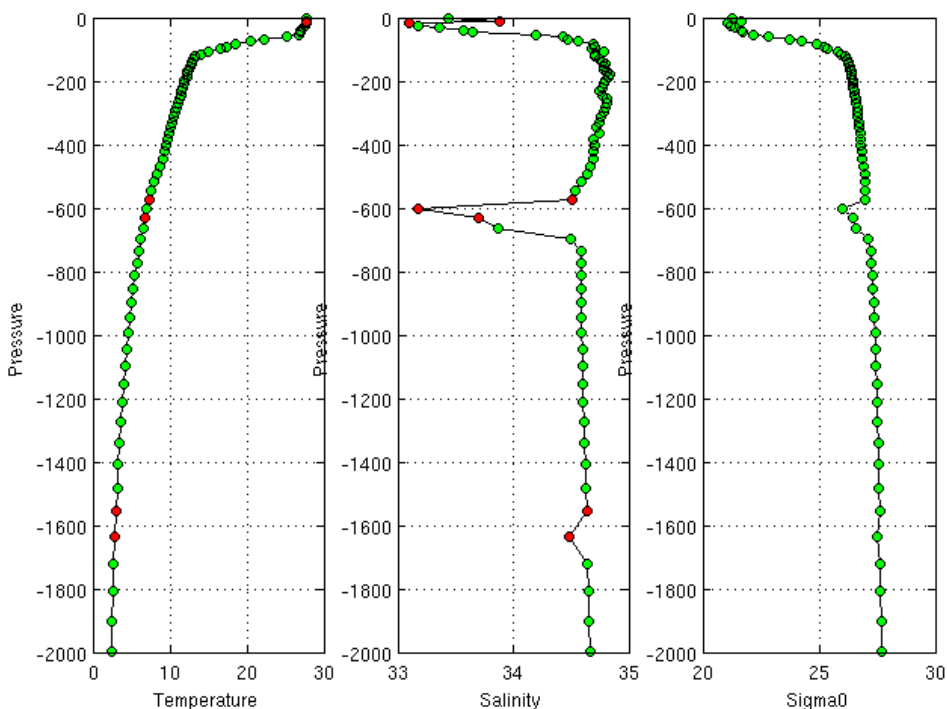
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 AO,1900998,243,31/07/2016 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=44767167>,PSAL,1220,1570,1,4
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 AO,1901504,192,30/07/2016 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=44745539>,PSAL,40,45,1,4
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 AO,1901682,429,20/08/2016 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=44996531>,TEMP,.04,.04,1,4
 AO,1901682,440,22/08/2016 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=45000643>,PSAL,0,.04,1,4
 AO,1901682,447,27/08/2016 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=45042335>,PSAL,.04,.04,1,4
 AO,2901466,215,06/08/2016 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=44857596>,PSAL,1199.5,1199.5,1,4
 AO,2901466,216,10/08/2016 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=44896524>,PSAL,1198,1198,1,4
 AO,2901466,217,14/08/2016 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=44932097>,PSAL,1199.3,1199.3,1,4
 AO,2901466,219,22/08/2016 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=44997234>,PSAL,1197.3,1197.3,1,3
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 AO,3900571,352,18/08/2016 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=44962427>,TEMP,0,0,1,4
 AO,3900571,352,18/08/2016 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=44962427>,TEMP,1,1,1,4

AO,5904456,66,24/08/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45022941 ,TEMP,0,0,1,4
 AO,5904456,66,24/08/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45022941 ,TEMP,1899.5,1899.5,1,4
 AO,5904456,66,24/08/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45022941 ,TEMP,33.6,1411.6,1,4
 AO,5904456,66,24/08/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45022941 ,TEMP,76.8,76.8,1,4
 AO,5904456,66,24/08/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45022941 ,TEMP,81.6,217.4,1,4
 AO,5904456,66,24/08/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45022942 ,TEMP,0,0,1,4
 AO,5904456,66,24/08/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=45022942 ,TEMP,20.4,20.4,1,4
 AO,5904628,29,01/08/2016 00:00:00,A,http://www.ifremer.fr/co-argoFloats/station?stationId=44770162 ,PSAL,979.1,979.1,1,3

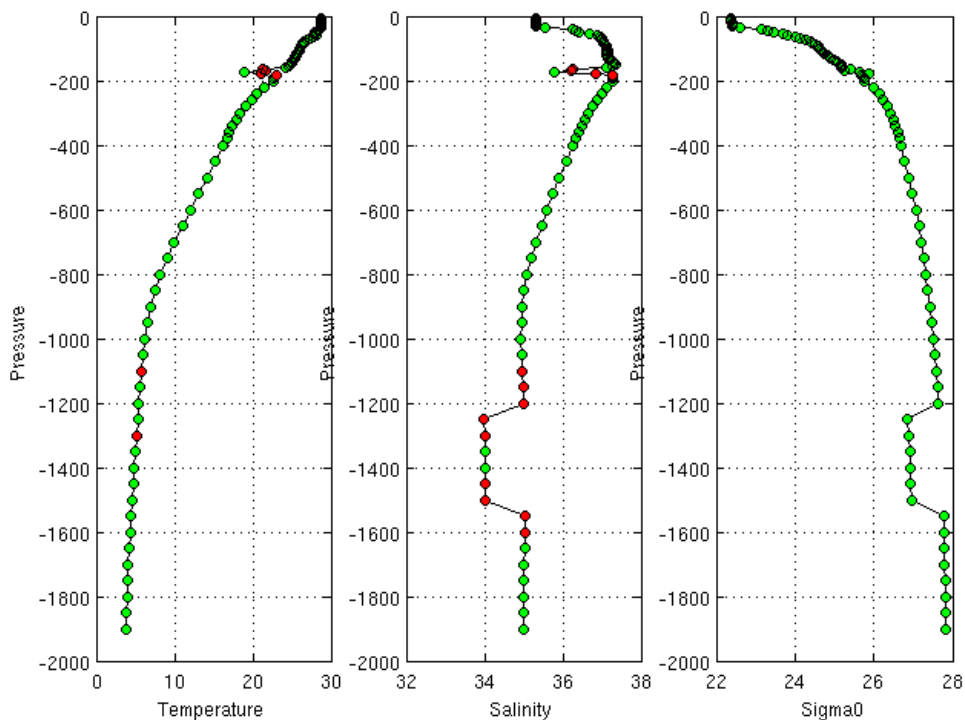
APEX to put on the grey list:

Example of corrections:

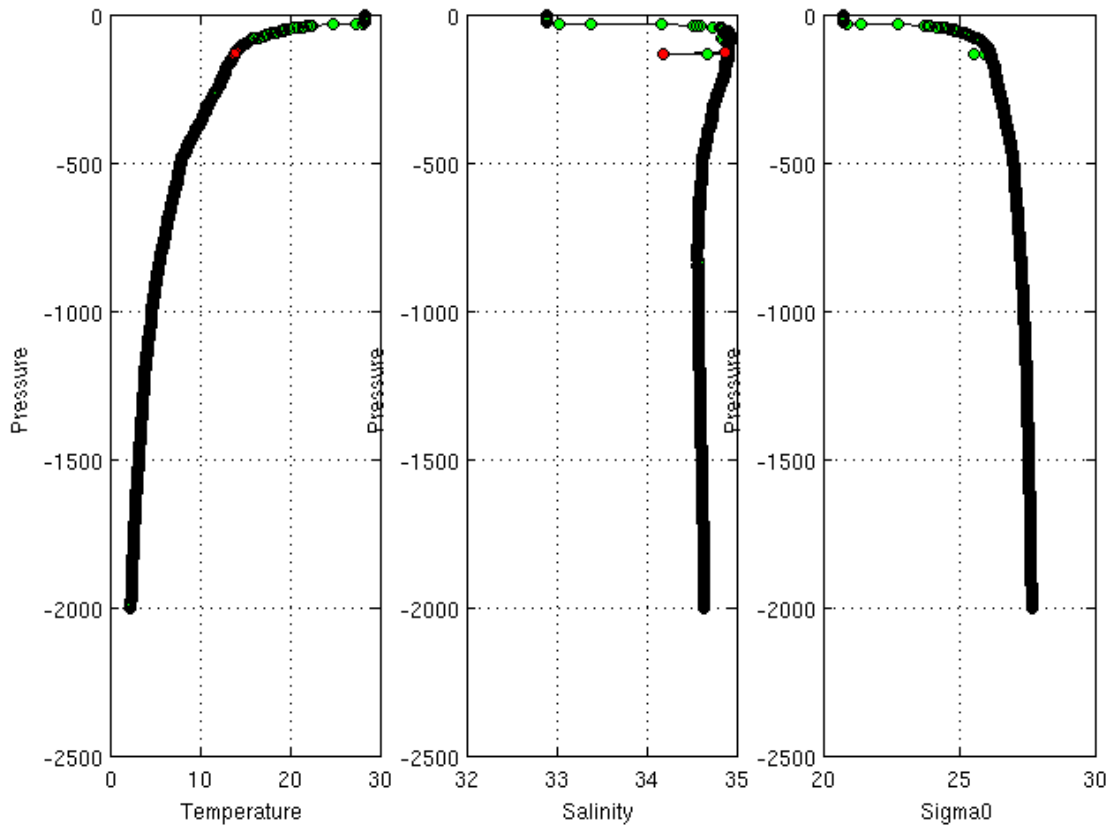
Warning Objective Analysis Anomalies 2016 August TEMP PSAL : DAC AO- Float 3900588-329



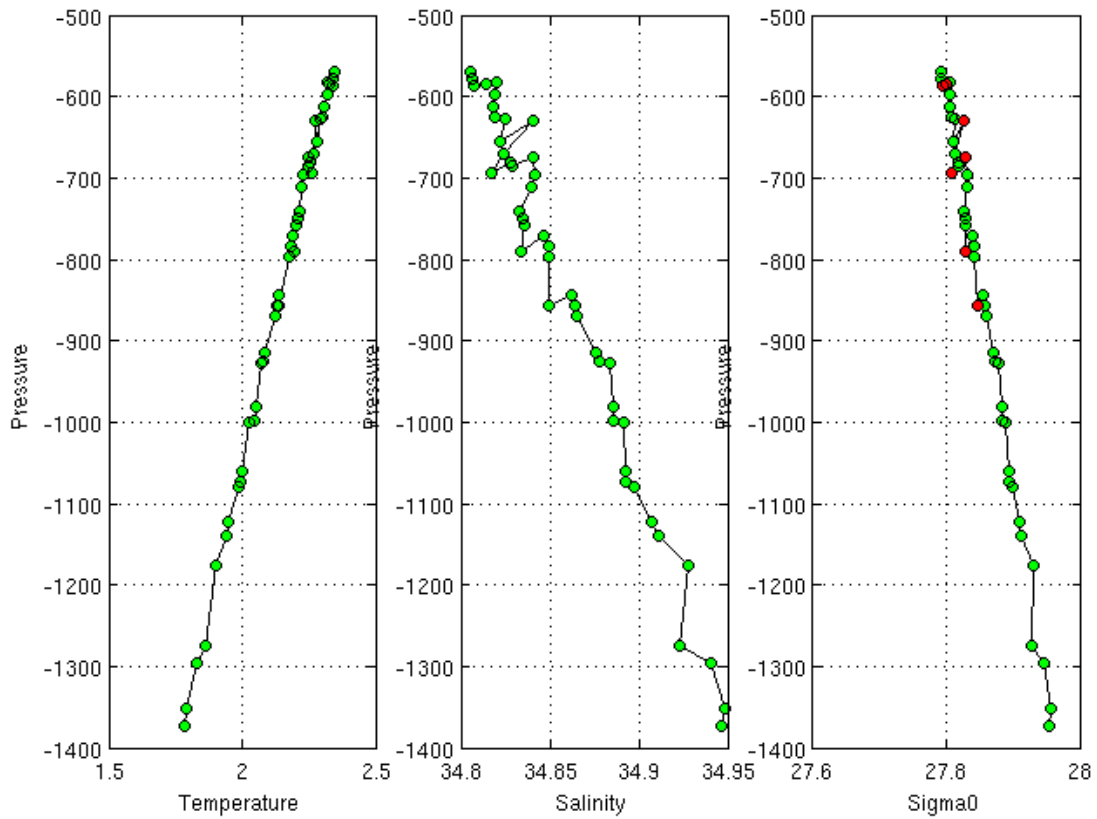
Warning Objective Analysis Anomalies 2016 August TEMP PSAL : DAC AO- Float 4901454-130



Warning Objective Analysis Anomalies 2016 August TEMP PSAL : DAC AO- Float 4902304-14



Warning Objective Analysis Anomalies 2016 August TEMP PSAL : DAC AO- Float 5902092-284



2. DAC BODC

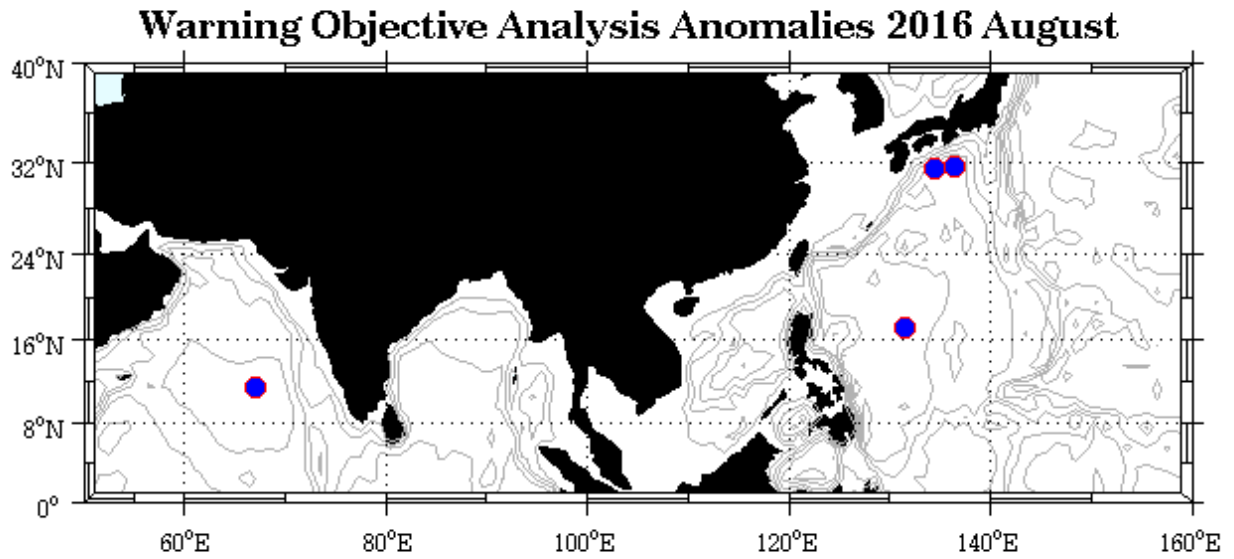
Profiles detected by the objective analysis: 0

Status of corrections:

Example of corrections:

3. DAC CSIO

Profiles detected by the objective analysis: 4



Status of corrections: Correction not done – no feedback

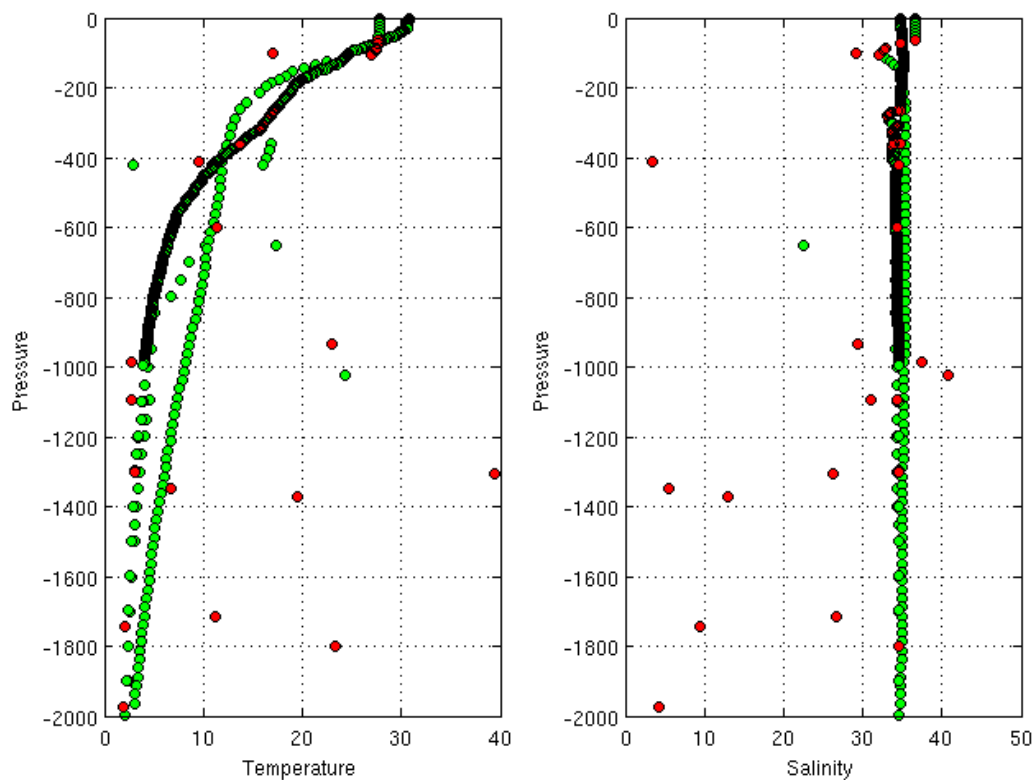
Float : 2901543 - Cycle : 200 - PI : JIANPING XU - Data mode : A - INST REF : - Date : 2016 8 21

Float : 2901572 - Cycle : 83 - PI : JIANPING XU - Data mode : A - INST REF : - Date : 2016 6 21

Float : 2901572 - Cycle : 85 - PI : JIANPING XU - Data mode : A - INST REF : - Date : 2016 7 11

Float : 2902619 - Cycle : 70 - PI : ZENGHONG LIU - Data mode : A - INST REF : - Date : 2016 8 19

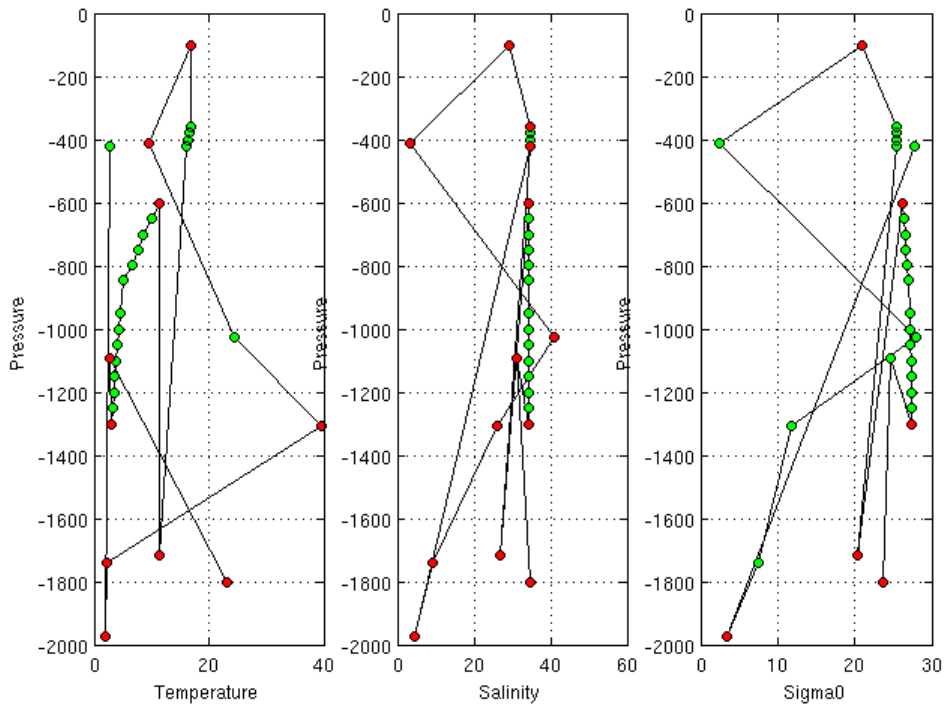
Warning Objective Analysis Anomalies 2016 August TEMP PSAL - DAC HZ



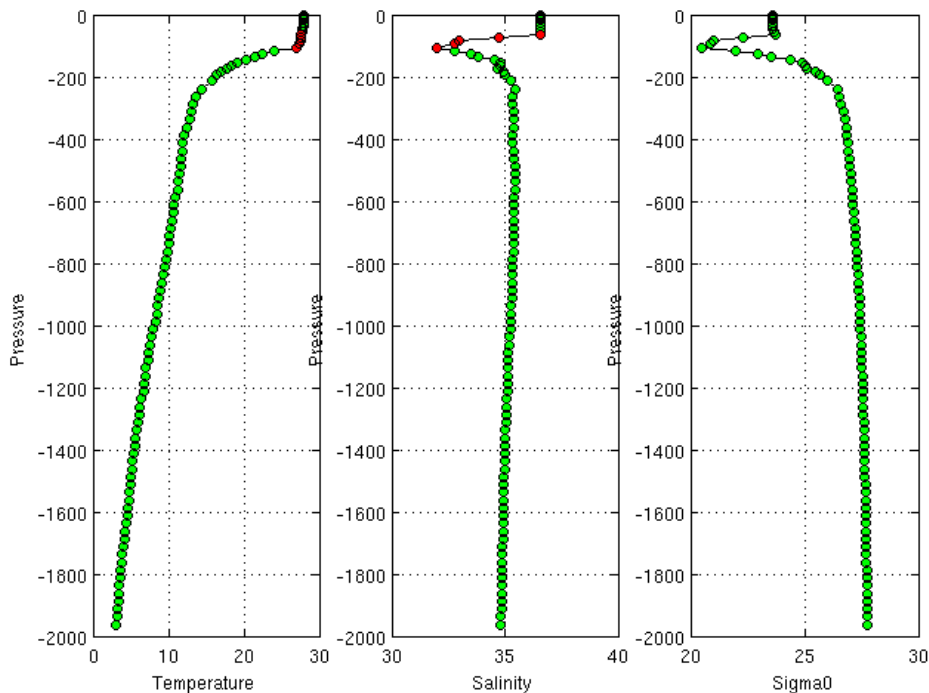
DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
 HZ,2901543,200,23/08/2016 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=45019608> ,PSAL,280,306,1,4
 HZ,2901543,200,23/08/2016 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=45019608> ,PSAL,322,360,1,4
 HZ,2901543,200,23/08/2016 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=45019608> ,PSAL,366,416,1,4
 HZ,2901572,83,22/06/2016 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=44747942> ,TEMP,422.7,422.7,1,4
 HZ,2901572,85,12/07/2016 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=44747944> ,PSAL,653.6,653.6,1,4
 HZ,2901572,85,12/07/2016 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=44747944> ,TEMP,653.6,653.6,1,4
 HZ,2902619,70,20/08/2016 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=44993823> ,PSAL,115,136,1,4

Example of corrections:

Warning Objective Analysis Anomalies 2016 August TEMP PSAL : DAC HZ- Float 2901572-83



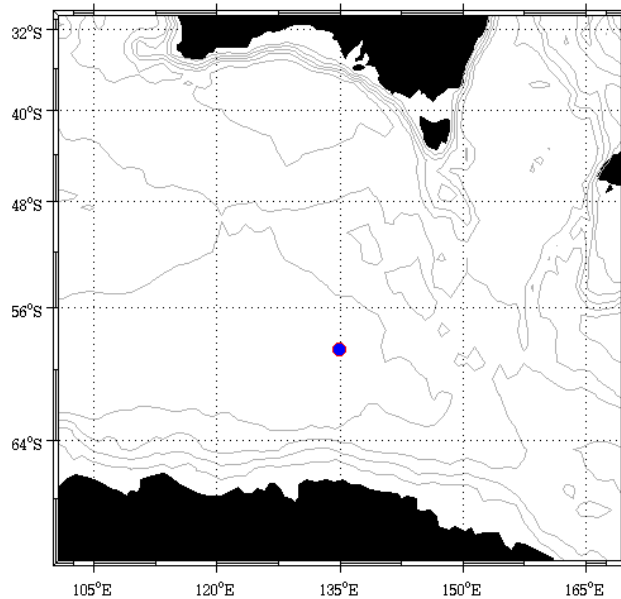
Warning Objective Analysis Anomalies 2016 August TEMP PSAL : DAC HZ- Float 2902619-70



4. DAC CSIRO

Profiles detected by the objective analysis: 1

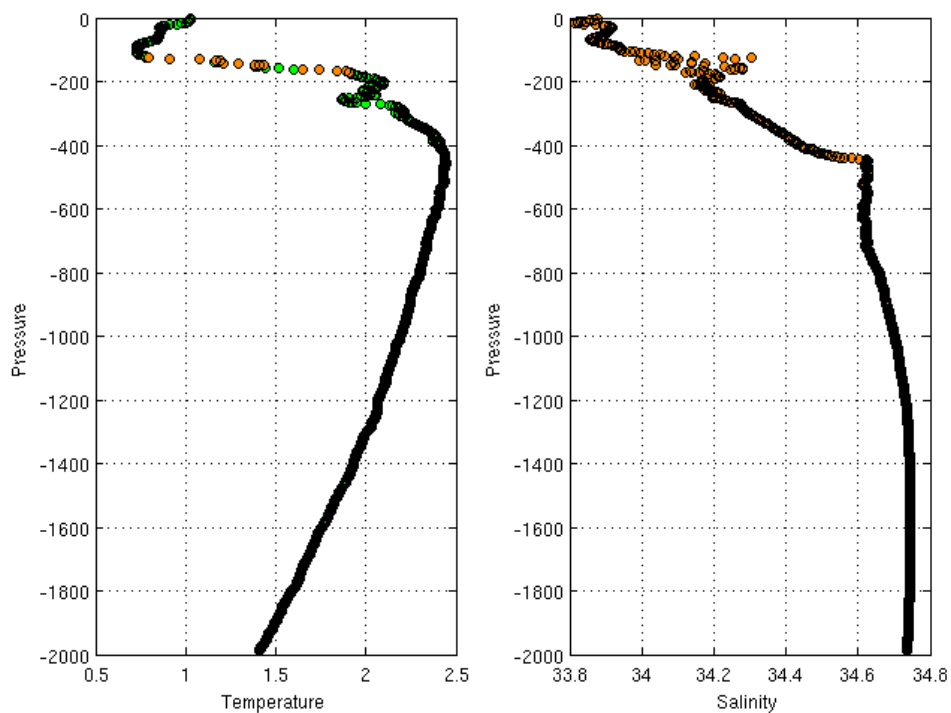
Warning Objective Analysis Anomalies 2016 August



Status of corrections: Correction done with feedback

Float : 5905004 - Cycle : 24 - PI : Susan Wijffels - Data mode : A - INST REF : - Date : 2016 7 27

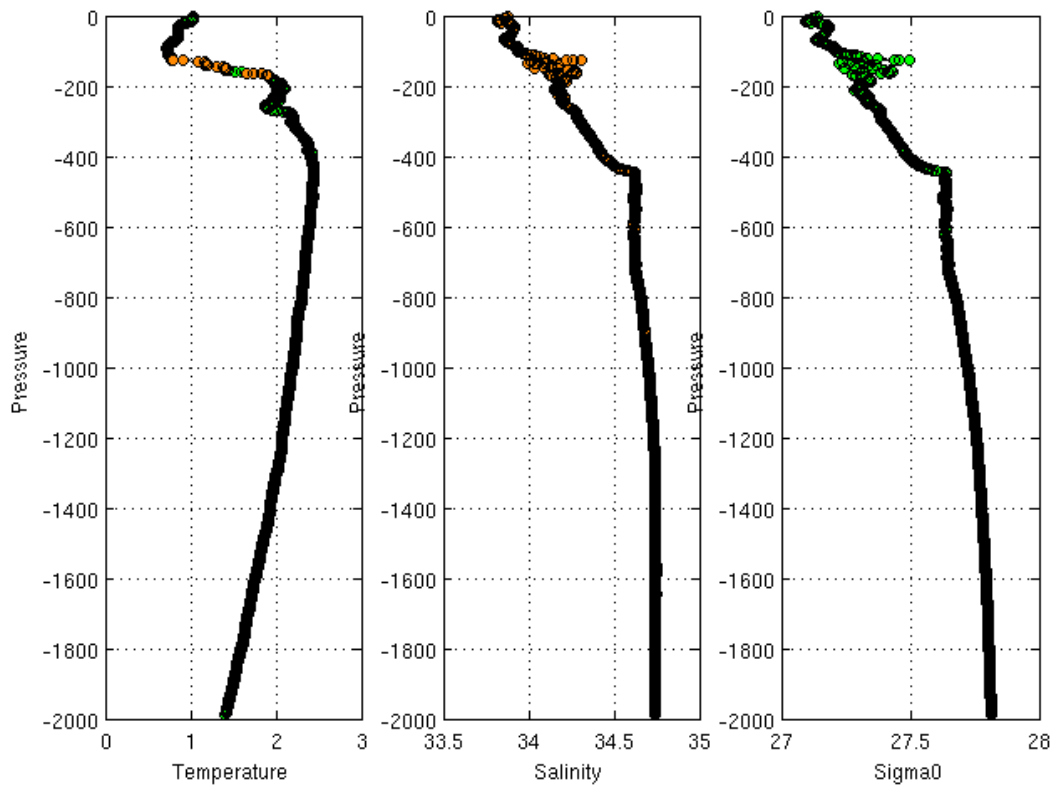
Warning Objective Analysis Anomalies 2016 August TEMP PSAL - DAC CS



DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
CS,5905004,24,28/07/2016 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=44709038> ,PSAL,116,124,1,3
CS,5905004,24,28/07/2016 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=44709038> ,PSAL,136,140,1,3
CS,5905004,24,28/07/2016 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=44709038> ,PSAL,152,160,1,3
CS,5905004,24,28/07/2016 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=44709038> ,PSAL,172,184,1,3

Example of corrections:

Warning Objective Analysis Anomalies 2016 August TEMP PSAL : DAC CS- Float 5905004-24



5. DAC INCOIS

Profiles detected by the objective analysis:

Status of corrections:

Example of corrections:

6. DAC JMA/JAMSTEC

Profiles detected by the objective analysis: 0

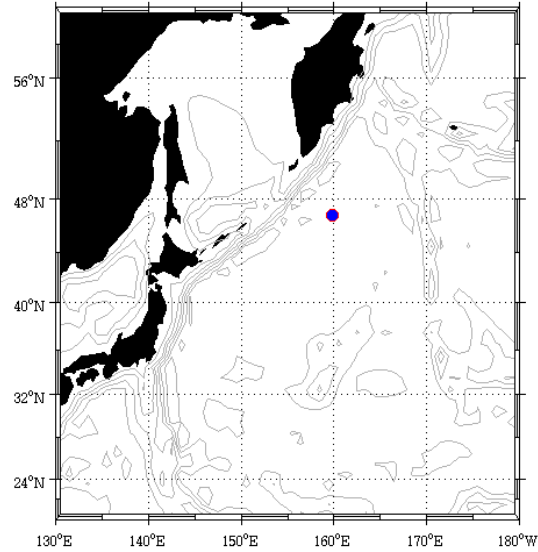
Status of corrections:

Example of anomalies:

7. DAC KMA

Profiles detected by the objective analysis: 1

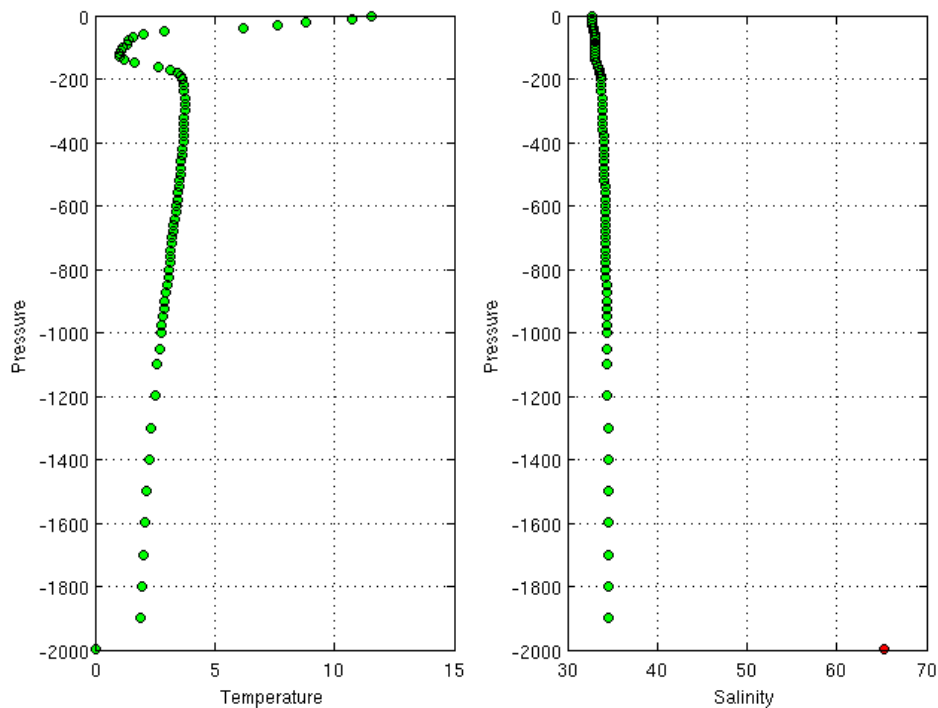
Warning Objective Analysis Anomalies 2016 August



Status of corrections: Correction not done, no feedback

Float : 2901715 - Cycle : 111 - PI : Young-Hwa Kim - Data mode : R - INST REF : APEX Profiling Float - Date : 2016 8 18

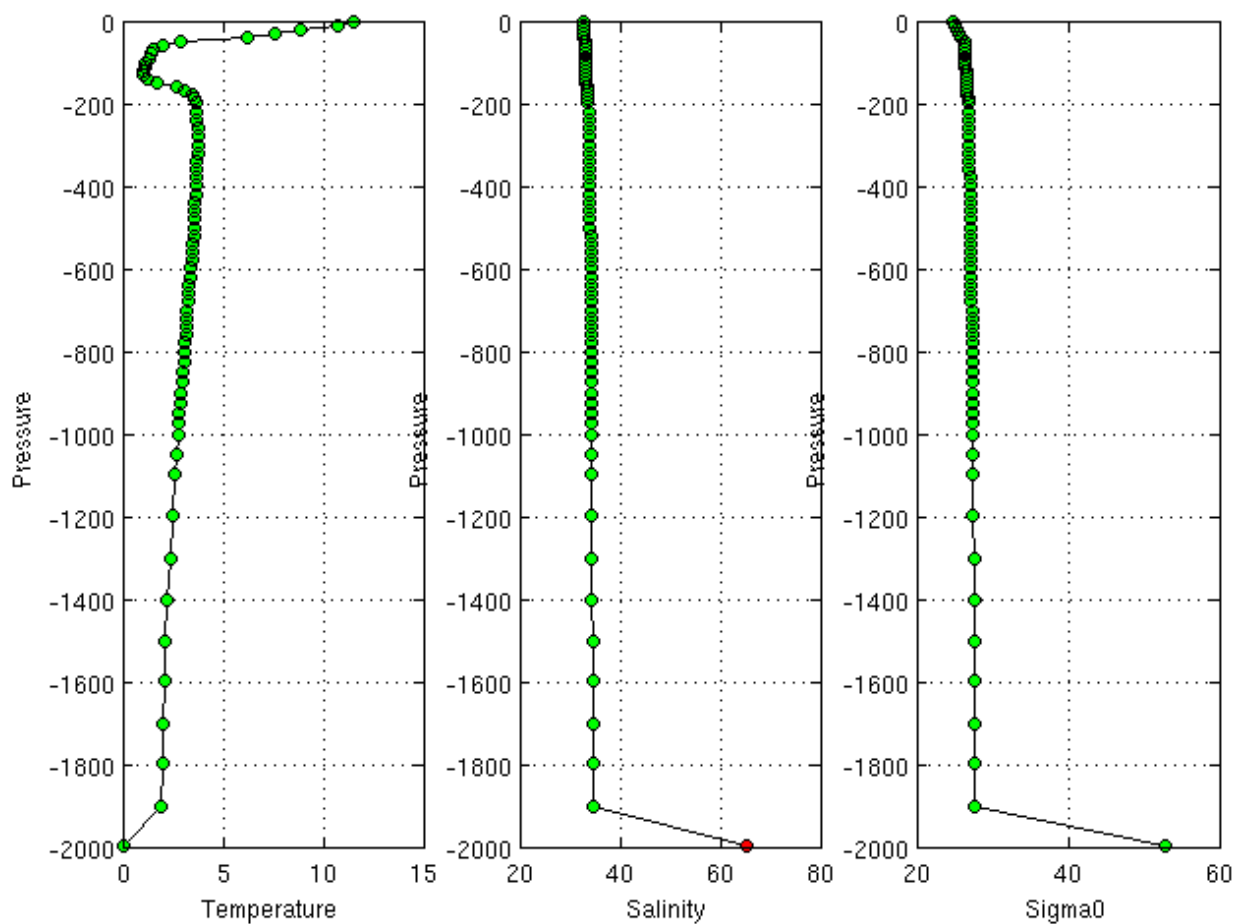
Warning Objective Analysis Anomalies 2016 August TEMP PSAL - DAC KM



DAC_CODE,PLATFORM_CODE,CV_NUMBER,DATE_UPDATE,DIRECTION,WEB_URL,PARAMETER,START_IMMERSION,STOP_IMMERSION,OLD_QC,NEW_QC
KM,2901715,111,19/08/2016 00:00:00,A,<http://www.ifremer.fr/co-argoFloats/station?stationId=44979995>,TEMP,1997.5,1997.5,1,3

Example of anomalies:

Warning Objective Analysis Anomalies 2016 August TEMP PSAL : DAC KM- Float 2901715-111



8. DAC KORDI

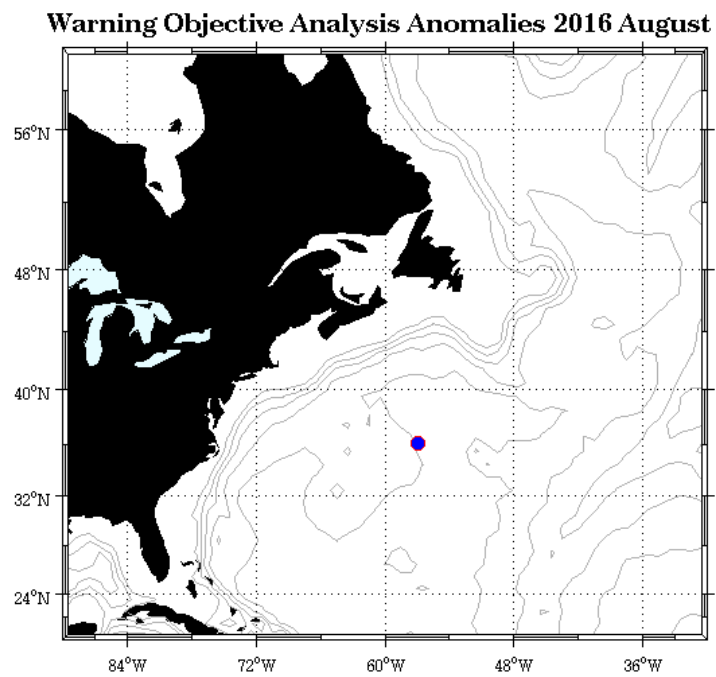
Profiles detected by the objective analysis: 0

Status of corrections:

Example of anomalies:

9. DAC MEDS

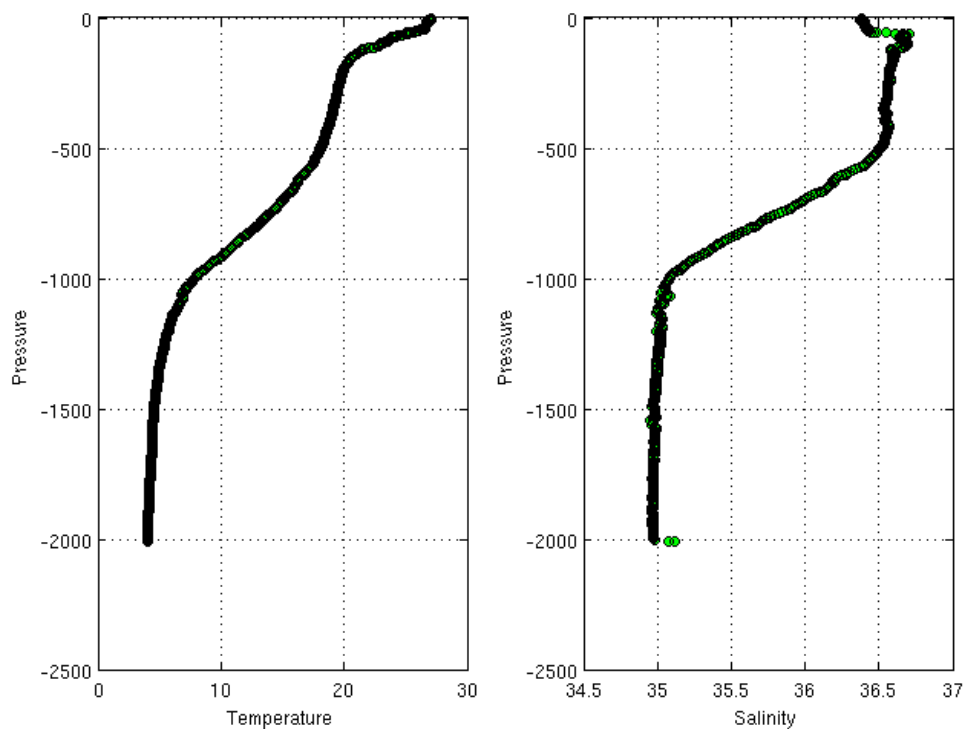
Profiles detected by the objective analysis: 1



Status of corrections: Correction not done, no feedback

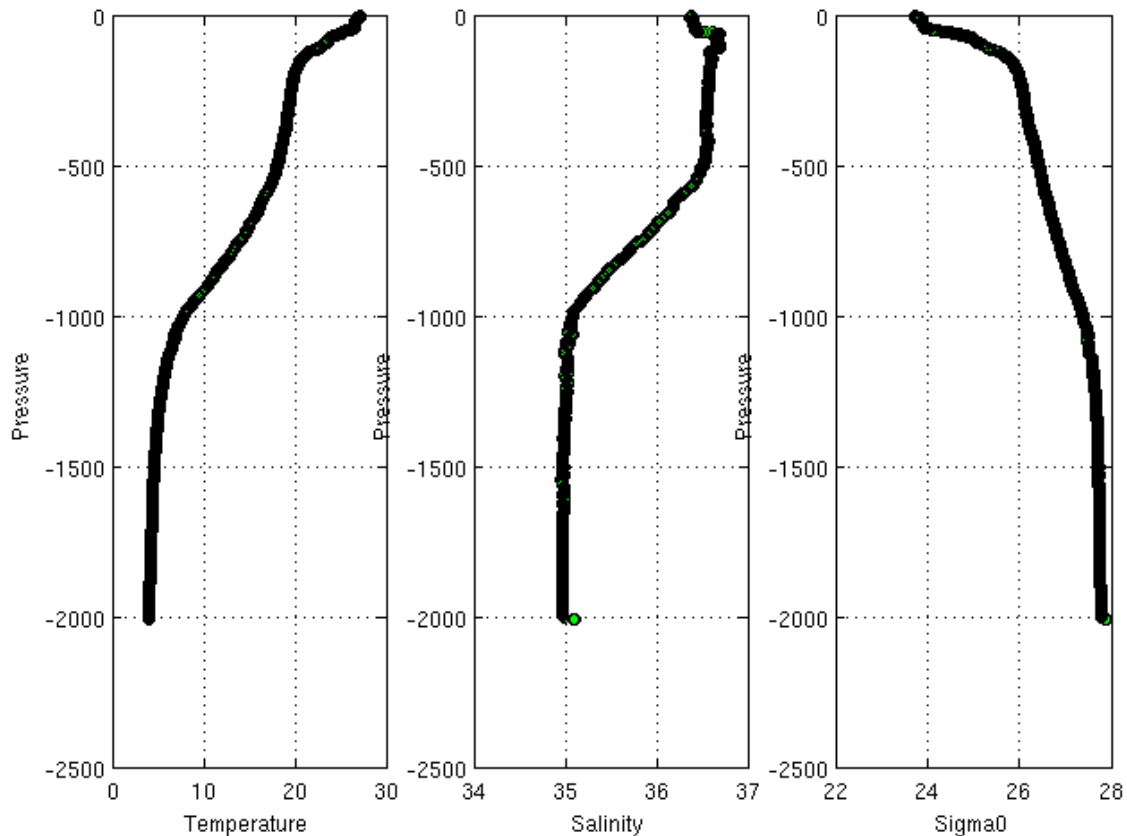
Float : 4901755 - Cycle : 117 - PI : Blair Greenan - Data mode : A - INST REF : - Date : 2016 8 7

Warning Objective Analysis Anomalies 2016 August TEMP PSAL - DAC ME



Example of anomalies:

Warning Objective Analysis Anomalies 2016 August TEMP PSAL : DAC ME- Float 4901755-117



10. DAC NMDIS

Profiles detected by the objective analysis: 0

Status of corrections:

Example of anomalies:

11. File anomalies (GDAC – Real time)

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

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

11.1. AOML

GDAC (missing nc files)

For some floats :

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

See below the list of floats with existing nc files :

DAC name : aoml - Number of floats : 5988

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 -

2902398 - Existing nc files

File : 2902398_meta.nc - 2902398_prof.nc - 2902398_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 -

3901220 - Existing nc files

File : 3901220_meta.nc - 3901220_prof.nc - 3901220_tech.nc -

3901227 - Existing nc files

File : 3901227_meta.nc - 3901227_prof.nc - 3901227_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 -

4902100 - Existing nc files

File : 4902100_meta.nc - 4902100_prof.nc - 4902100_tech.nc -

4902118 - Existing nc files

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

4902119 - Existing nc files

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

5900253 - Existing nc files

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

5900637 - Existing nc files

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

5900765 - Existing nc files

File : 5900765_Rtraj.nc - 5900765_meta.nc - 5900765_tech.nc -

5900892 - Existing nc files

File : 5900892_Rtraj.nc - 5900892_meta.nc - 5900892_tech.nc -

5901006 - Existing nc files

File : 5901006_Rtraj.nc - 5901006_meta.nc - 5901006_tech.nc -

5901082 - Existing nc files

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

5901732 - Existing nc files

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

5903296 - Existing nc files

File : 5903296_meta.nc - 5903296_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 -

5904681 - Existing nc files

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 monopprofile, no trajectory)

See below the list of floats with existing nc files :

DAC name : bodc - Number of floats : 538

1901312 - Existing nc files

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

1901844 - Existing nc files

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

1901845 - Existing nc files

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

1901846 - Existing nc files

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

1901847 - Existing nc files

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

1901848 - Existing nc files

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

1901849 - Existing nc files

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

1901850 - Existing nc files

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

1901851 - Existing nc files

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

1901852 - Existing nc files

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

1901853 - Existing nc files

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

1901854 - Existing nc files

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

1901855 - Existing nc files

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

1901856 - Existing nc files

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

1901857 - Existing nc files

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

1901858 - Existing nc files

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

1901859 - Existing nc files

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

1901860 - Existing nc files

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

1901861 - Existing nc files

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

1901862 - Existing nc files

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

1901863 - Existing nc files

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

1901864 - Existing nc files

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

1901865 - Existing nc files

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

2901899 - Existing nc files

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

2901900 - Existing nc files

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

3900538 - Existing nc files

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

3900559 - Existing nc files

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

3900560 - Existing nc files

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

3901488 - Existing nc files

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

3901489 - Existing nc files

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

3901490 - Existing nc files

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

3901491 - Existing nc files

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

3901492 - Existing nc files

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

3901493 - Existing nc files

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

3901494 - Existing nc files

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

3901495 - Existing nc files

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

3901499 - Existing nc files

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

3901500 - Existing nc files

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

3901501 - Existing nc files

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

3901502 - Existing nc files

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

3901503 - Existing nc files

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

3901504 - Existing nc files

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

3901505 - Existing nc files

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

3901506 - Existing nc files

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

3901507 - Existing nc files

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

3901508 - Existing nc files

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

3901509 - Existing nc files

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

3901510 - Existing nc files

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

3901511 - Existing nc files

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

3901512 - Existing nc files

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

3901513 - Existing nc files

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

3901514 - Existing nc files

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

3901515 - Existing nc files

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

3901516 - Existing nc files

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

3901517 - Existing nc files

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

3901519 - Existing nc files

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

3901520 - Existing nc files

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

3901521 - Existing nc files

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

3901522 - Existing nc files

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

3901523 - Existing nc files

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

49065 - Existing nc files

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

6901153 - Existing nc files

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

6901155 - Existing nc files

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

6901156 - Existing nc files

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

6901162 - Existing nc files

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

6901163 - Existing nc files

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

6901164 - Existing nc files

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

6901165 - Existing nc files

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

6901166 - Existing nc files

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

6901168 - Existing nc files

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

6901169 - Existing nc files

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

6901170 - Existing nc files

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

6901171 - Existing nc files

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

6901172 - Existing nc files

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

6901173 - Existing nc files

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

6901176 - Existing nc files

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

6901177 - Existing nc files

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

6901178 - Existing nc files

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

6901179 - Existing nc files

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

6901189 - Existing nc files

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

6901190 - Existing nc files

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

6901192 - Existing nc files

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

6901194 - Existing nc files

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

6901919 - Existing nc files

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

6901920 - Existing nc files

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

6901921 - Existing nc files

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

6901922 - Existing nc files

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

6901923 - Existing nc files

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

11.3. CORIOLIS

GDAC (missing nc files)

For some floats :

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

See below the list of floats with existing nc files :

DAC name : coriolis - Number of floats : 2299

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 -

1901349 - Existing nc files

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

5903129 - Existing nc files

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

6900215 - Existing nc files

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

6900217 - Existing nc files

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

6900831 - Existing nc files

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

6900940 - Existing nc files

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

6901000 - Existing nc files

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

6901069 - Existing nc files

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

6901224 - Existing nc files

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

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 -

69016 - Existing nc files

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

6901615 - Existing nc files

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

69017 - Existing nc files

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

69018 - Existing nc files

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

6901820 - Existing nc files

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

6901844 - Existing nc files

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

6901854 - Existing nc files

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

6902020 - Existing nc files

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

6902021 - Existing nc files

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

6902023 - Existing nc files

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

6902024 - Existing nc files

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

69021 - Existing nc files

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

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 : 337

2901195 - Existing nc files

File : 2901195_meta.nc -

2901498 - Existing nc files

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

2901505 - Existing nc files

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

2902670 - Existing nc files

File : 2902670_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

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 : 748

1901331 - Existing nc files

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

1901332 - Existing nc files

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

1901333 - Existing nc files

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

1901334 - Existing nc files

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

1901335 - Existing nc files

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

1901336 - Existing nc files

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

1901337 - Existing nc files

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

1901340 - Existing nc files

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

1901341 - Existing nc files

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

1901342 - Existing nc files

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

1901343 - Existing nc files

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

1901344 - Existing nc files

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

1901345 - Existing nc files

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

1901346 - Existing nc files

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

1901734 - Existing nc files

File : 1901734_meta.nc - 1901734_prof.nc - 1901734_tech.nc -

2901852 - Existing nc files

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

2901853 - Existing nc files

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

2901854 - Existing nc files

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

2901855 - Existing nc files

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

2901856 - Existing nc files

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

2901857 - Existing nc files

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

2901859 - Existing nc files

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

2901860 - Existing nc files

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

3901467 - Existing nc files

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

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 -

5904263 - Existing nc files

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

5904264 - Existing nc files

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

5904265 - Existing nc files

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

5904266 - Existing nc files

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

5904267 - Existing nc files

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

5904881 - Existing nc files

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

5904883 - Existing nc files

File : 5904883_meta.nc - 5904883_prof.nc - 5904883_tech.nc -

5904884 - Existing nc files

File : 5904884_meta.nc - 5904884_prof.nc - 5904884_tech.nc -

5904885 - Existing nc files

File : 5904885_meta.nc - 5904885_prof.nc - 5904885_tech.nc -

5904886 - Existing nc files

File : 5904886_meta.nc - 5904886_prof.nc - 5904886_tech.nc -

5904887 - Existing nc files

File : 5904887_meta.nc - 5904887_prof.nc - 5904887_tech.nc -

5904888 - Existing nc files

File : 5904888_meta.nc - 5904888_prof.nc - 5904888_tech.nc -

5904889 - Existing nc files

File : 5904889_meta.nc - 5904889_prof.nc - 5904889_tech.nc -

5904890 - Existing nc files

File : 5904890_meta.nc - 5904890_prof.nc - 5904890_tech.nc -

5904891 - Existing nc files

File : 5904891_meta.nc - 5904891_prof.nc - 5904891_tech.nc -

5904892 - Existing nc files

File : 5904892_meta.nc - 5904892_prof.nc - 5904892_tech.nc -

5904893 - Existing nc files

File : 5904893_meta.nc - 5904893_prof.nc - 5904893_tech.nc -

5904894 - Existing nc files

File : 5904894_meta.nc - 5904894_prof.nc - 5904894_tech.nc -

5904895 - Existing nc files

File : 5904895_meta.nc - 5904895_prof.nc - 5904895_tech.nc -

5904896 - Existing nc files

File : 5904896_meta.nc - 5904896_prof.nc - 5904896_tech.nc -

5904897 - Existing nc files

File : 5904897_meta.nc - 5904897_prof.nc - 5904897_tech.nc -

5904898 - Existing nc files

File : 5904898_meta.nc - 5904898_prof.nc - 5904898_tech.nc -

5904899 - Existing nc files

File : 5904899_meta.nc - 5904899_prof.nc - 5904899_tech.nc -

5904900 - Existing nc files

File : 5904900_meta.nc - 5904900_prof.nc - 5904900_tech.nc -

5904901 - Existing nc files

File : 5904901_meta.nc - 5904901_prof.nc - 5904901_tech.nc -

5904902 - Existing nc files

File : 5904902_meta.nc - 5904902_prof.nc - 5904902_tech.nc -

5904903 - Existing nc files

File : 5904903_meta.nc - 5904903_prof.nc - 5904903_tech.nc -

5904904 - Existing nc files

File : 5904904_meta.nc - 5904904_prof.nc - 5904904_tech.nc -

5904905 - Existing nc files

File : 5904905_meta.nc - 5904905_prof.nc - 5904905_tech.nc -

5904907 - Existing nc files

File : 5904907_meta.nc - 5904907_prof.nc - 5904907_tech.nc -

5904908 - Existing nc files

File : 5904908_meta.nc - 5904908_prof.nc - 5904908_tech.nc -

5904911 - Existing nc files

File : 5904911_meta.nc - 5904911_prof.nc - 5904911_tech.nc -

5904912 - Existing nc files

File : 5904912_meta.nc - 5904912_prof.nc - 5904912_tech.nc -

5904913 - Existing nc files

File : 5904913_meta.nc - 5904913_prof.nc - 5904913_tech.nc -

5904914 - Existing nc files

File : 5904914_meta.nc - 5904914_prof.nc - 5904914_tech.nc -

5904915 - Existing nc files

File : 5904915_meta.nc - 5904915_prof.nc - 5904915_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 -

5904919 - Existing nc files

File : 5904919_meta.nc - 5904919_prof.nc - 5904919_tech.nc -

5904920 - Existing nc files

File : 5904920_meta.nc - 5904920_prof.nc - 5904920_tech.nc -

5904921 - Existing nc files

File : 5904921_meta.nc - 5904921_prof.nc - 5904921_tech.nc -

5904922 - Existing nc files

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

5904926 - Existing nc files

File : 5904926_meta.nc - 5904926_prof.nc - 5904926_tech.nc -

5904927 - Existing nc files

File : 5904927_meta.nc - 5904927_prof.nc - 5904927_tech.nc -

5904928 - Existing nc files

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

5904929 - Existing nc files

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

5904930 - Existing nc files

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

5904994 - Existing nc files

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

5904995 - Existing nc files

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

5904996 - Existing nc files

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

5904997 - Existing nc files

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

5904998 - Existing nc files

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

5904999 - Existing nc files

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

5905000 - Existing nc files

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

5905001 - Existing nc files

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

5905002 - Existing nc files

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

5905003 - Existing nc files

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

5905004 - Existing nc files

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

5905005 - Existing nc files

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

5905006 - Existing nc files

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

5905007 - Existing nc files

File : 5905007_meta.nc - 5905007_prof.nc - 5905007_tech.nc -

5905008 - Existing nc files

File : 5905008_meta.nc - 5905008_prof.nc - 5905008_tech.nc -

5905009 - Existing nc files

File : 5905009_meta.nc - 5905009_prof.nc - 5905009_tech.nc -

5905010 - Existing nc files

File : 5905010_meta.nc - 5905010_prof.nc - 5905010_tech.nc -

5905011 - Existing nc files

File : 5905011_meta.nc - 5905011_prof.nc - 5905011_tech.nc -

5905012 - Existing nc files

File : 5905012_meta.nc - 5905012_prof.nc - 5905012_tech.nc -

5905013 - Existing nc files

File : 5905013_meta.nc - 5905013_prof.nc - 5905013_tech.nc -

5905014 - Existing nc files

File : 5905014_meta.nc - 5905014_prof.nc - 5905014_tech.nc -

5905015 - Existing nc files

File : 5905015_meta.nc - 5905015_prof.nc - 5905015_tech.nc -

5905017 - Existing nc files

File : 5905017_meta.nc - 5905017_prof.nc - 5905017_tech.nc -

5905018 - Existing nc files

File : 5905018_meta.nc - 5905018_prof.nc - 5905018_tech.nc -

5905019 - Existing nc files

File : 5905019_meta.nc - 5905019_prof.nc - 5905019_tech.nc -

5905020 - Existing nc files

File : 5905020_meta.nc - 5905020_prof.nc - 5905020_tech.nc -

5905021 - Existing nc files

File : 5905021_meta.nc - 5905021_prof.nc - 5905021_tech.nc -

5905024 - Existing nc files

File : 5905024_meta.nc - 5905024_prof.nc - 5905024_tech.nc -

5905025 - Existing nc files

File : 5905025_meta.nc - 5905025_prof.nc - 5905025_tech.nc -

5905026 - Existing nc files

File : 5905026_meta.nc - 5905026_prof.nc - 5905026_tech.nc -

5905027 - Existing nc files

File : 5905027_meta.nc - 5905027_prof.nc - 5905027_tech.nc -

5905028 - Existing nc files

File : 5905028_meta.nc - 5905028_prof.nc - 5905028_tech.nc -

5905029 - Existing nc files

File : 5905029_meta.nc - 5905029_prof.nc - 5905029_tech.nc -

5905031 - Existing nc files

File : 5905031_meta.nc - 5905031_prof.nc - 5905031_tech.nc -

5905032 - Existing nc files

File : 5905032_meta.nc - 5905032_prof.nc - 5905032_tech.nc -

5905033 - Existing nc files

File : 5905033_meta.nc - 5905033_prof.nc - 5905033_tech.nc -

5905034 - Existing nc files

File : 5905034_meta.nc - 5905034_prof.nc - 5905034_tech.nc -

5905035 - Existing nc files

File : 5905035_meta.nc - 5905035_prof.nc - 5905035_tech.nc -

5905036 - Existing nc files

File : 5905036_meta.nc - 5905036_prof.nc - 5905036_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 -

5905039 - Existing nc files

File : 5905039_meta.nc - 5905039_prof.nc - 5905039_tech.nc -

5905040 - Existing nc files

File : 5905040_meta.nc - 5905040_prof.nc - 5905040_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 -

5905043 - Existing nc files

File : 5905043_meta.nc - 5905043_prof.nc - 5905043_tech.nc -

5905044 - Existing nc files

File : 5905044_meta.nc - 5905044_prof.nc - 5905044_tech.nc -

5905166 - Existing nc files

File : 5905166_meta.nc - 5905166_prof.nc - 5905166_tech.nc -

7900390 - Existing nc files

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

7900391 - Existing nc files

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

7900393 - Existing nc files

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

7900394 - Existing nc files

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

7900396 - Existing nc files

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

7900397 - Existing nc files

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

7900398 - Existing nc files

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

7900602 - Existing nc files

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

7900603 - Existing nc files

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

7900604 - Existing nc files

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

7900605 - Existing nc files

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

7900606 - Existing nc files

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

7900607 - Existing nc files

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

7900608 - Existing nc files

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

7900609 - Existing nc files

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

7900610 - Existing nc files

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

7900611 - Existing nc files

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

7900612 - Existing nc files

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

7900613 - Existing nc files

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

7900614 - Existing nc files

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

7900615 - Existing nc files

File : 7900615_meta.nc - 7900615_prof.nc - 7900615_tech.nc -

7900616 - Existing nc files

File : 7900616_meta.nc - 7900616_prof.nc - 7900616_tech.nc -

7900618 - Existing nc files

File : 7900618_meta.nc - 7900618_prof.nc - 7900618_tech.nc -

7900619 - Existing nc files

File : 7900619_meta.nc - 7900619_prof.nc - 7900619_tech.nc

11.6. INCOIS

For some floats :

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

See below the list of floats with existing nc files :

DAC name : incois - Number of floats : 394

2900268 - Existing nc files

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

2900275 - Existing nc files

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

2900763 - Existing nc files

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

2900772 - Existing nc files

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

2900775 - Existing nc files

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

2902126 - Existing nc files

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

7654321 - Existing nc files

File : 7654321_meta.nc - 7654321_prof.nc

11.7. JMA

Feedback sent by Wataru.(few months ago)

Checking of the status of each float.

-Deep NINJA: 14 floats

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

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

-Others : 8 floats

need further investigation

For some floats :

- tech.nc and/or traj.nc are missing (only meta.nc and prof.nc files)
- traj.nc is missing

See below the list of floats with existing nc files :

DAC name : jma - Number of floats : 1453

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 -

2902974 - Existing nc files

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

2902977 - Existing nc files

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

2902978 - Existing nc files

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

4900293 - Existing nc files

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

5900277 - Existing nc files

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

5901582 - Existing nc files

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

5901937 - Existing nc files

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

5904937 - Existing nc files

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

7900024 - Existing nc files

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

7900025 - Existing nc files

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

7900599 - Existing nc files

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

7900600 - Existing nc files

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

7900601 - Existing nc files

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

7900652 - Existing nc files

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

7900653 - Existing nc files

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

7900654 - Existing nc files

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

7900655 - Existing nc files

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

7900657 - Existing nc files

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

7900658 - Existing nc files

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

7900660 - Existing nc files

File : 7900660_meta.nc - 7900660_prof.nc

11.8. KMA

For some floats :

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

See below the list of floats with existing nc files :

DAC name : kma - Number of floats : 217

2901213 - Existing nc files

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

2901705 - Existing nc files

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

2901744 - Existing nc files

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

11.9. KORDI

For some floats :

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

See below the list of floats with existing nc files :

DAC name : kordi - Number of floats : 119

2900793 - Existing nc files

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

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 : 435

4901813 - Existing nc files

File : 4901813_meta.nc - 4901813_prof.nc - 4901813_tech.nc -

File : 4901825_meta.nc - 4901825_prof.nc - 4901825_tech.nc -

4901826 - Existing nc files

File : 4901826_meta.nc - 4901826_prof.nc - 4901826_tech.nc

4901825 - Existing nc files

11.11. NMDIS

For some floats :

-

See below the list of floats with existing nc files :

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

QC 1 reported on bad PRES_ADJUSTED (negative values) – must be updated to 4

```
netcdf D6900198_003 {
```

```
PRES =
```

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

```
PRES_QC =
```

```
"444114...."
```

```
PRES_ADJUSTED =
```

```
  _ _ _ -99.0,  2.0,
```

```
PRES_ADJUSTED_QC =
```

```
"444114...."
```

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

Ex. 1901060 cycle 180 (only PRES_ADJUSTED filled)

12.3. CSIO

12.4. CSIRO

12.5. INCOIS

12.6. KMA

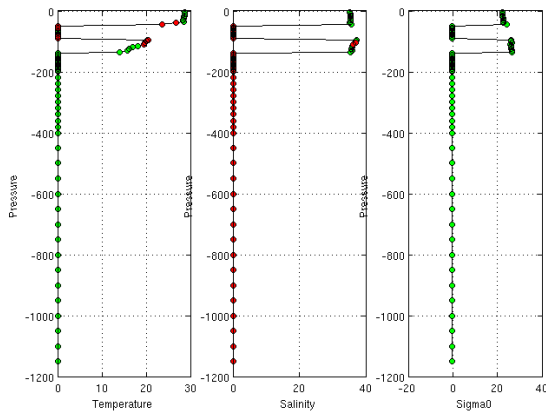
- Error on salinity_adjusted 0.000 ?? floats 2900170 - 2900171

```
netcdf D2900171_067 {
```

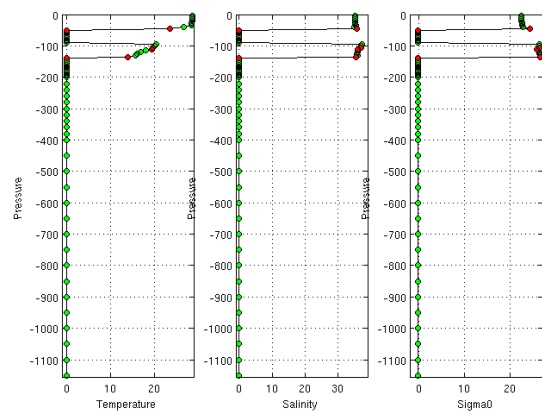

13. Automatic Tests (June's version)

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

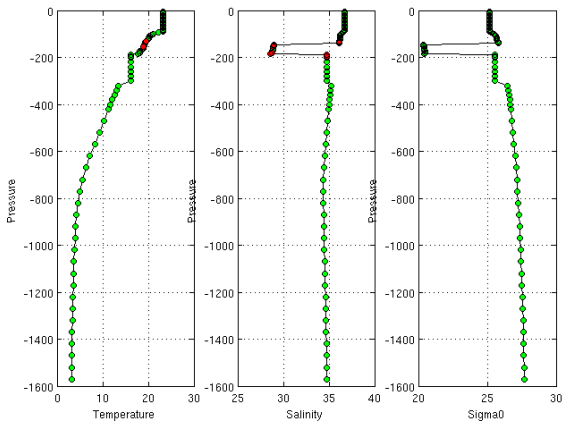
Warning Objective Analysis Anomalies 2016 June TEMP PSAL : DAC AO- Float 1901504-188



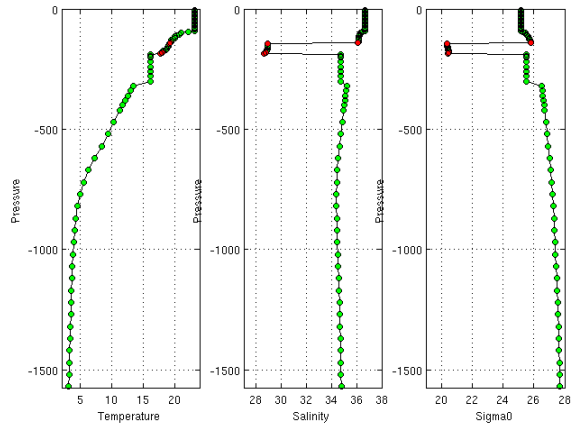
Using Jean Philippe Matlab density inversion test : Float 1901504_88 Data mode : R



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



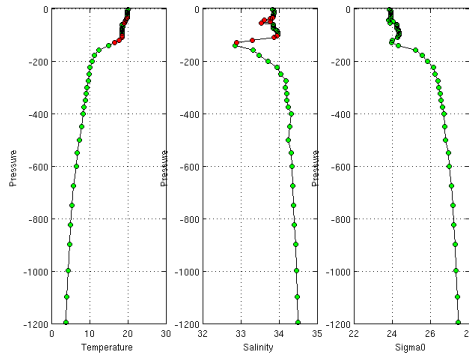
Using Jean Philippe Matlab density inversion test : Float 1900998_39 Data mode : R



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

- Strange profiles going through all the automatic tests :

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

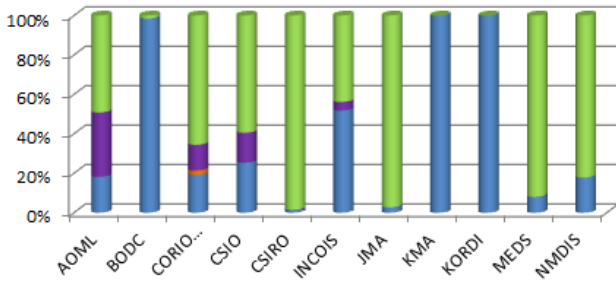


Some profiles have temperature measurements with the zero values which are not good but they did not fail with any test.

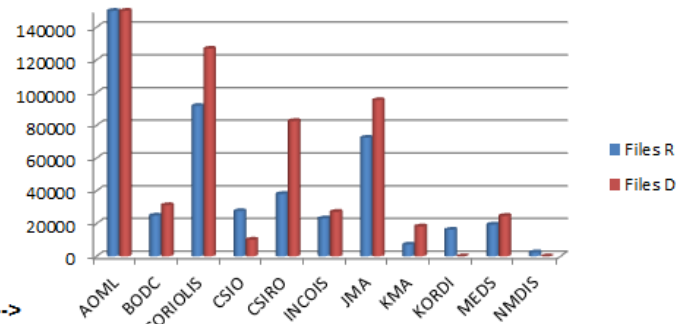
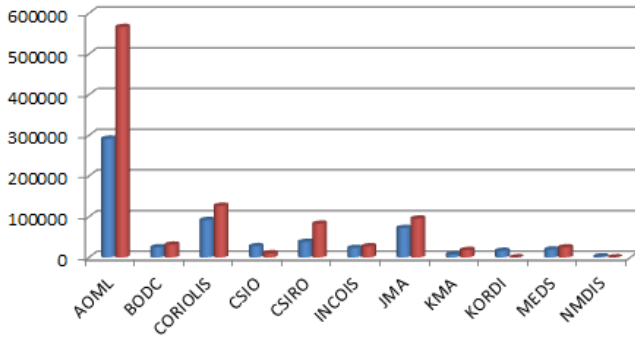
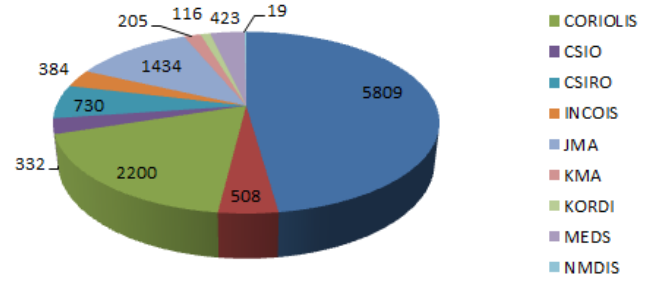
14. Statistics on floats and format version

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

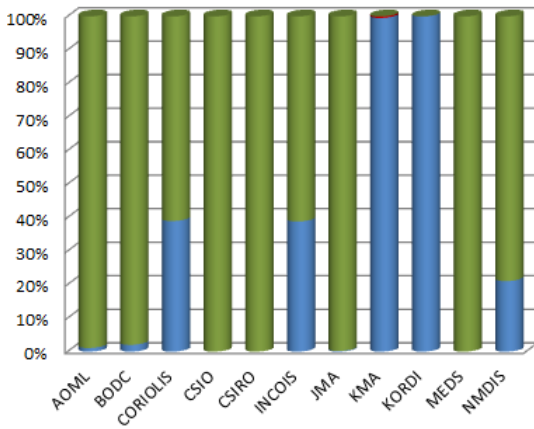
Format Version (profiles R & D)



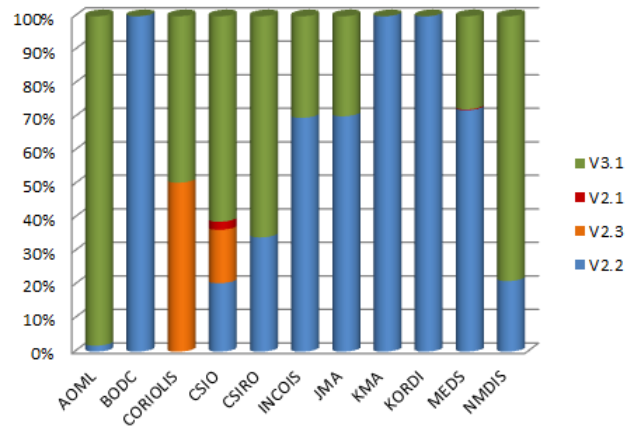
Float (with profiles)



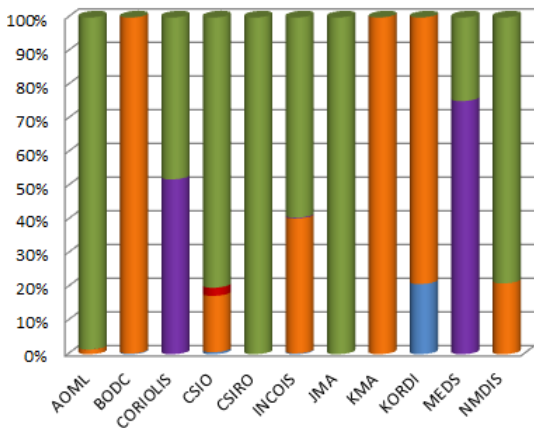
Metadata files



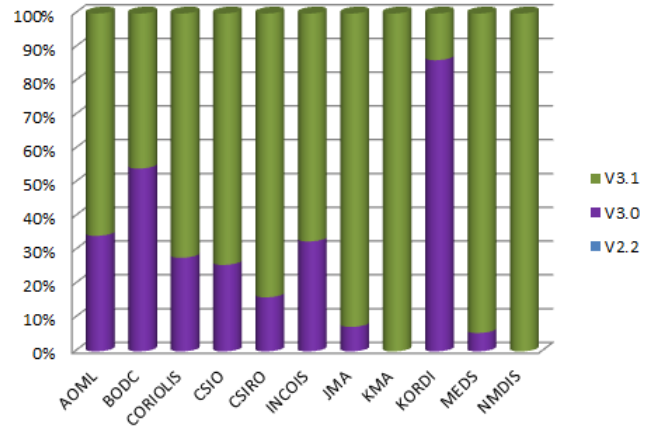
Trajectory files



Technical files



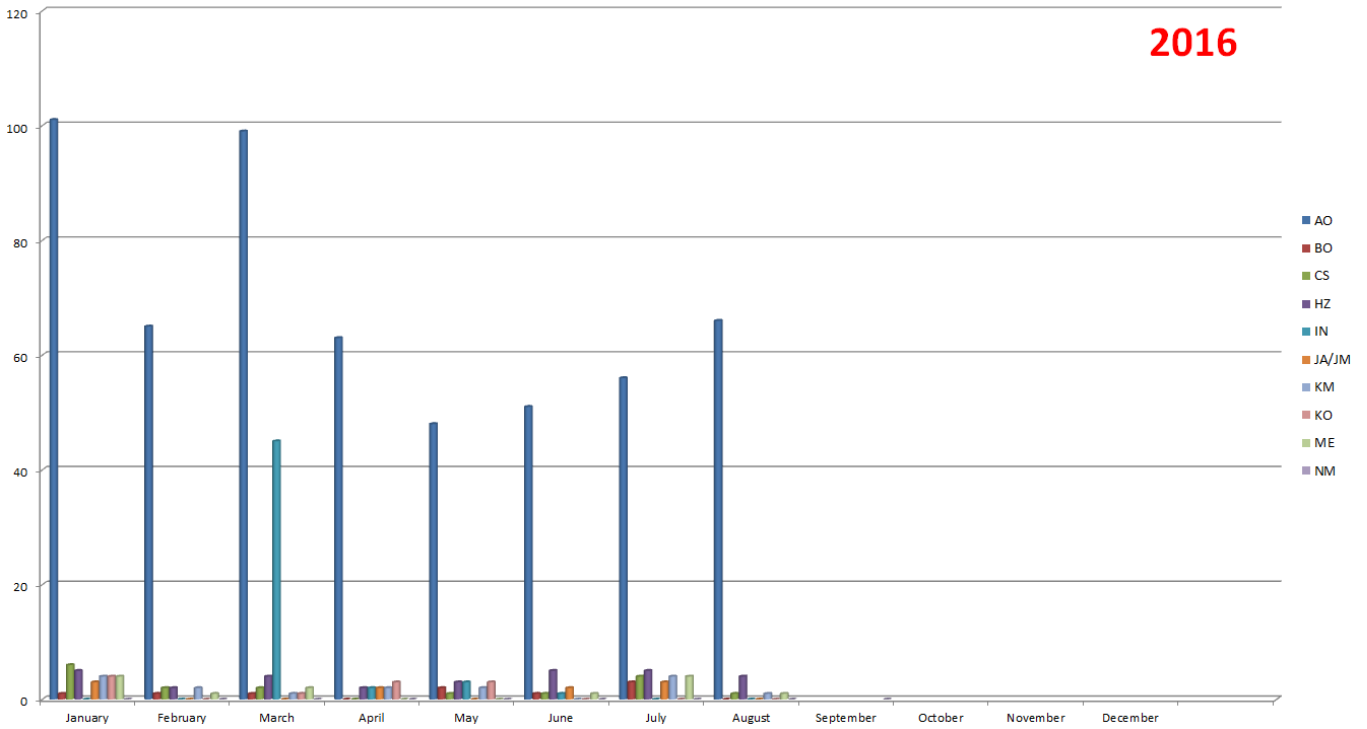
Multiprofile files



15. Statistics on anomalies

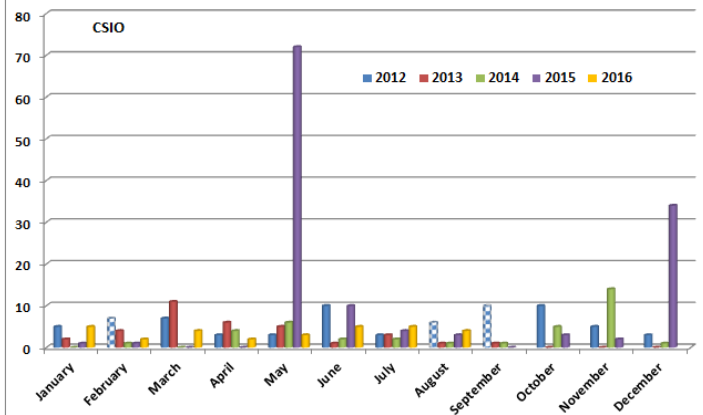
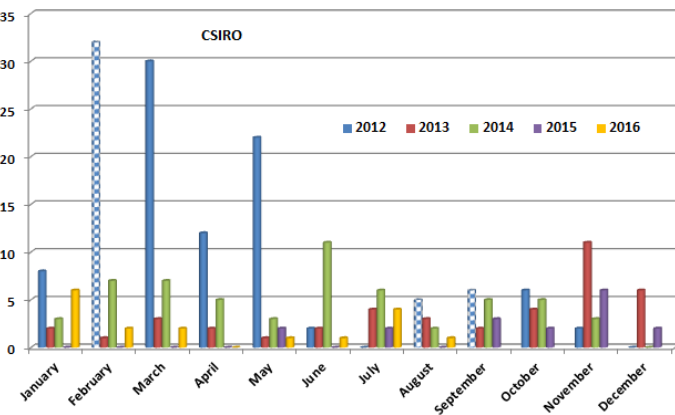
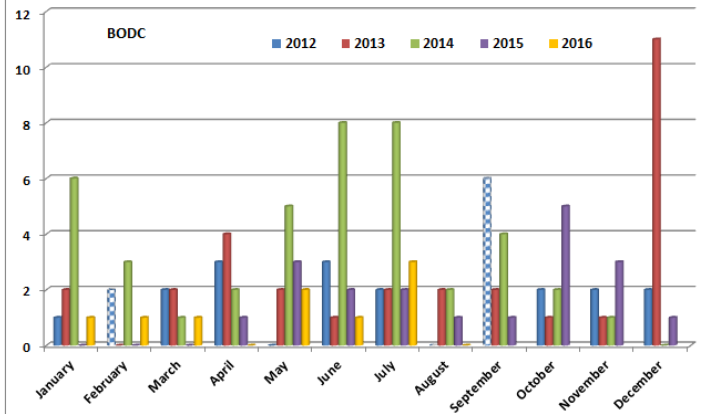
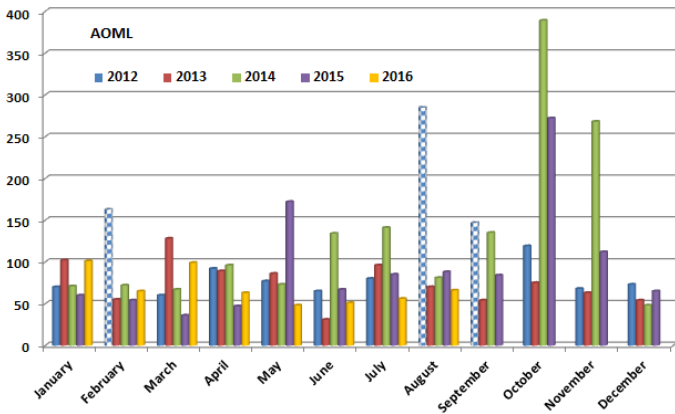
Plots showing evolution of number of anomalies by DAC.

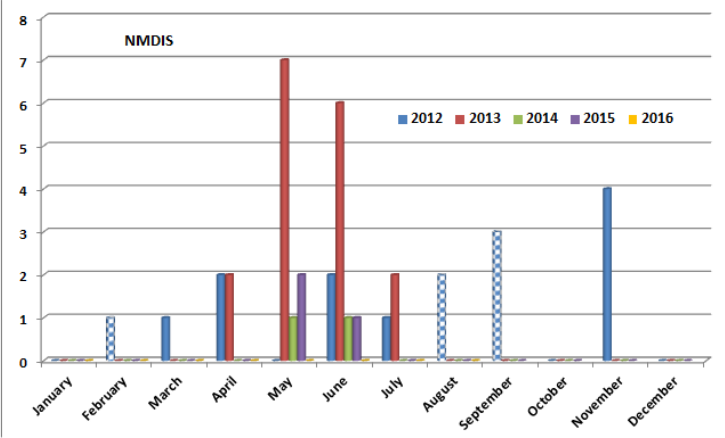
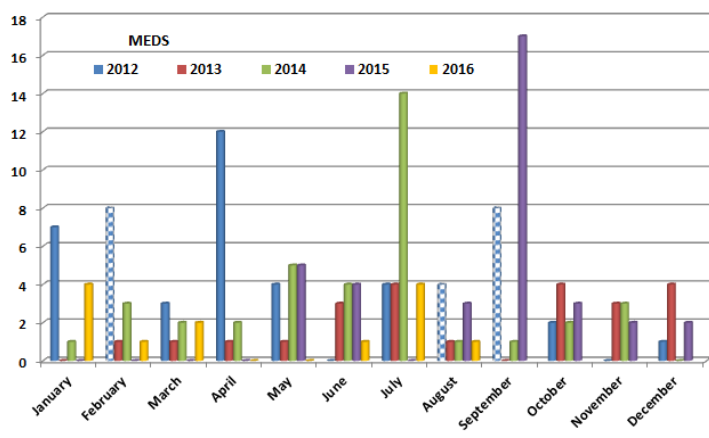
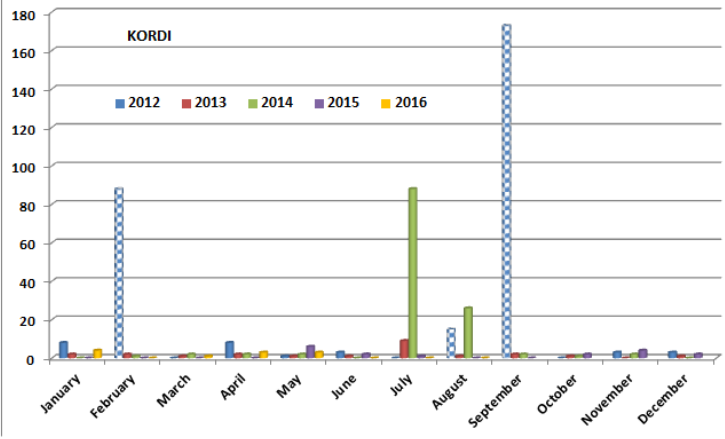
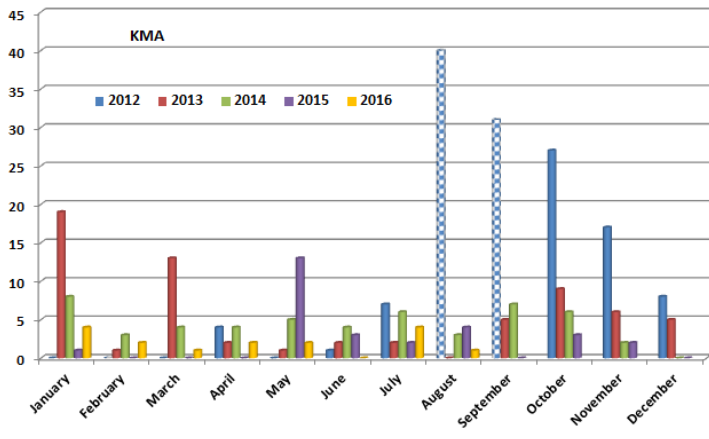
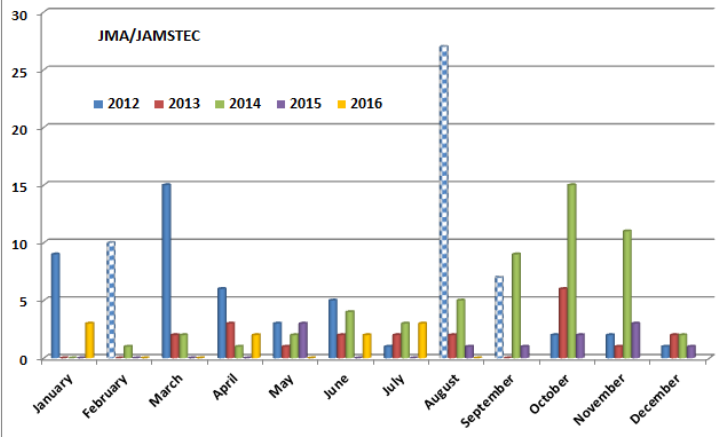
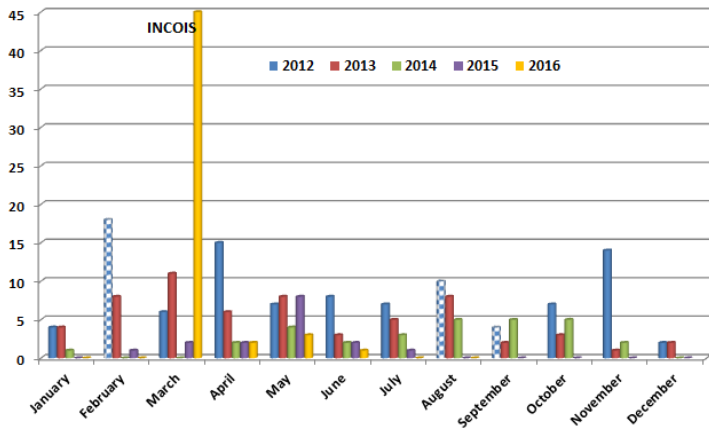
15.1. Year



Year 2016

15.2. DAC





15.3. Anomalies by year, by month

