

Processing application environment, data processing CTD Vessel

SOCIB-Data Center Facility

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1. Introduction

The aim of this document is to describe a standardized procedure to conduct the data processing from the R/V SOCIB CTD profiles.

The following sections describe the data processing procedure using as example the Instrument SCB-SBE9002 during the Canales February 2016 Campaign (canales_dep0014_socib-rv_scb-sbe9002_L1_2016-02-23).

2. Required Features

- Desktop or laptop.
- Internet connection.
- Vessel User access.
- DataProcUser access.
- Terminal emulator (PuTTY is used in this procedure for windows users).
- pgAdmin software.

3. Procedure Development

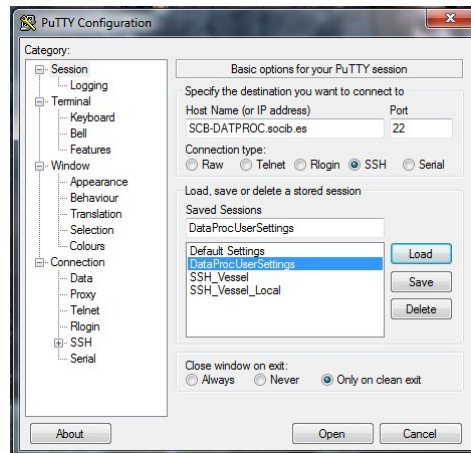
3.1. Non Active Deployment

This section of the procedure refers to data that needs to be processed once the deployment of the instrument has been finished.

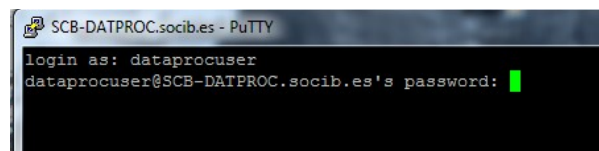
3.1.1. Prepare data

Windows user:

- Use a terminal emulator to establish a SSH connection. Set a new SSH configuration as follows:
 - **Host Name: SCB-DATPROC.**
 - **Port: 22.**
 - **Save session as: DataProcUserSettings.**



- Open configuration. A new linux console window will appear. For linux users just open a terminal (ctrl + Alt + T).
- Log in using the following credentials:
 - Log in as **“dataprocuser”** user.
 - Insert **“dataprocuser@SCB-DATPROC's password”**
Note: Ask IT manager for the password.



- Switch to vessel user to copy folders to local directory:
 - **su vessel**
 - **password: “vessel password”**
Note: Ask IT manager for the password.
- Parse the following path to access to the vessel directory SHIP_DATA where the CTD data obtained during the Campaign (provided by Cruise leader) are stored:

```
cd /home/vessel/SHIP_DATA/SBE911/DATA
```

- Change the directory name using the nomenclature standard:
cruiseName_depXXXX_socib-rv_scb-sbeXXXX_L1_yyyy/mm/dd

You can use the following command:

```
mv /home/vessel/SHIP_DATA/SBE911/DATA/SOCIB-Canales\ Spring16  
/home/vessel/SHIP_DATA/SBE911/DATA/canales_dep0016_socib-rv_scb-  
sbe9002_L1_2016-05-05
```

- Copy the Cruise Data directory to the socib_rv rawArchive directory using the following path:

```
cp -iR canales_dep0014_socib-rv_scb-sbe9002_L1_2016-02-23/  
/home/vessel/RTDATA/socib_rv/SCB-SBE9002/rawArchive
```

- Parse to the folder where you copied the data:

```
cd /home/vessel/RTDATA/socib_rv/SCB-SBE9002/rawArchive/  
canales_dep0014_socib-rv_scb-sbe9002_L1_2016-02-23/cnv_files/sampling_5m
```

- Copy the downcast .cnv files contained within the folder sampling_5m to raw Input folder using the following command:

```
cp -iR d*.cnv ../../rawInput
```

or depending on directories structure

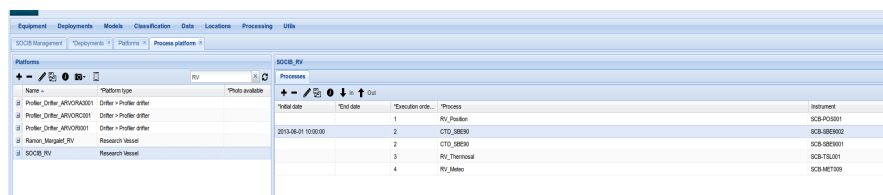
```
cp -iR d*.cnv ../../rawInput
```

NOTE: Remember to only copy the files that contain the downcast profiles.
Downcast example: dst050.cnv
Upcast example: ust050.cnv

3.1.2. Instrumentation database settings

- In Process Platform check the processes to match the instrument belonging to the deployment that needs to be processed.

Note: See [processing_configuration](#) document to create a new process.
Note: See [section 5](#) for current CTD_SBE90 processes configuration.



Total date	Start date	End date	Process	Instrument
2015-06-01 10:00:00	1		RV_Purolon	SCB-P05001
	2		CTD_SBE90	SCB-SBE9002
	2		CTD_SBE90	SCB-SBE9001
	3		RV_Thermosal	SCB-TLS001
	4		RV_Silber	SCB-MET000

- In Platforms filter the platform needed.
- Check that Platform > Instruments > Installed Instruments match with the instruments enabled in the deployments. Otherwise switch them for the available instruments

Name	Platform type	Photo available
Profilor_Drifter_ARVON001	Drifter > Profiler drifter	
Profilor_Drifter_ARVON002	Drifter > Profiler drifter	
Profilor_Drifter_ARVON003	Drifter > Profiler drifter	
Ramon_Margalef_RV	Research Vessel	
SOCIB_RV	Research Vessel	

- Open pgAdmin and configure a new connection to scb-datserv:
 - **Name:** scb-datserv
 - **Host Name:** scb-datserv
 - **Port:** 5433
 - **Username:** datanucleus
 - **Password:** “datserv password”

Note: Ask IT manager for the password.

- Connect to scb-datserv.
- Select Management database.
- Select Instrumentation Schemas.
- Select deployment table.
- Filter the deployment_name = 'deployment_name'

- Set deployment_finished to FALSE.

	deployment_id	deployment_text	deployment_text	deployment_text	deployment_text	deployment_text	deployment_finished	deployment_text	deployment_text	deployment_text	deployment_text	deployment_text	deployment_text
1			Balearic	10014	SOCIB		FALSE		data.cent				

3.1.3. Check output results

- Check thredds server to find the NetCDF file created.
http://thredds.socib.es/thredds/catalog/research_vessel/ctd/socib_rv-scb_sbe9002/L1/2016/catalog.html

OPeNDAP Dataset Access Form

Tested on Netscape 4.01 and Internet Explorer 5.00.

Action:

Data URL: http://thredds.socib.es/thredds/catalog/research_vessel/ctd/socib_rv-scb_sbe9002/L1/2016/catalog.html

Global Attributes:

title: Data from instrument SCB-SBE9002 on platform SOCIB RV
institution: SOCIB (Sistema de Observaci3n y predicci3n Costero de las Islas Baleares)
netcdf version: 3.0
Conventions: CF-1.6
abstract: Data from the ctd station installed at the SOCIB R/V.

Variables:

☒ trajectory: string
trajectory =
cf_role: trajectory_id
DDO5:
strlen: 23
dimName: name_strlen

☒ time: Array of 64 bit Reals [time = 0.47]
time:
standard name: time
units: seconds since 1970-01-01 00:00:00
axis: T
calendar: gregorian

☒ LAT: Array of 64 bit Reals [time = 0.47]
time:
standard name: latitude
long_name: latitude coordinate
units: degrees north
valid_min: -90.0
valid_max: 90.0
axis: Y

- Set deployment_finished to TRUE.

	deployment_id	deployment_text	deployment_text	deployment_text	deployment_text	deployment_text	deployment_finished	deployment_text	deployment_text	deployment_text	deployment_text	deployment_text	deployment_text
1	p://Ww		Balearic	10014	SOCIB		TRUE		data.cent				

- Parse to the rawInput directory and remove the .cnv files contained in it by using the following commands:

```
cd /home/vessel/RTDATA/socib_rv/SCB-SBE9002/rawInput/
rm *.cnv
```

4. CTD_SBE90 Process Configurations

This section keeps the record of the different Process INPUT and OUTPUT configurations used with the two CTDs rosette used in the RV SOCIB until today.

4.1. Instrument SCB-SBE9001

Processes

*Initial date	*End date	*Execution orde...	*Process	Instrument
2013-06-01 10:00:00		1	RV_Position	SCB-PO5001
		2	CTD_SBE90	SCB-SBE9002
		2	CTD_SBE90	SCB-SBE9001
		3	RV_Thermosal	SCB-TSL001
		4	RV_Metso	SCB-MET009

CTD_SBE90 for SOCIB_RV input configuration (instrument process)

*Sensor Variable	Selected PV group	*Order
DEPTH	DEPTH (depth)	2
WTR_PRE	WTR_PRE (sea_water_pressure)	3
WTR_TEM_01	WTR_TEM_01 (sea_water_temperature)	4
COND_01	COND_01 (sea_water_electrical_conductivity)	5
SALT_01	SALT_01 (sea_water_practical_salinity)	6
OXI_CON	OXI_CON (mass_concentration_of_oxygen_in_sea_water)	8
TURB	TURB (turbidity_of_sea_water)	9
LAT	LAT (latitude)	997
LON	LON (longitude)	998
FLUO (NOT CONFIGURED YET)		999
WTR_PRE_SBE9001 (NOT CONF...		999

CTD_SBE90 for SOCIB_RV OUTPUT configuration

*Processing variable	*Order
LAT	1
LON	2
DEPTH	3
WTR_PRE	4
WTR_TEM_01	5
COND_01	7
SALT_01	9
SALT_02	10
OXI_CON	11
TURB	13

4.2. Instrument SCB-SBE9002

SOCIB_RV

Processes

+ - [Icon] [Icon] In Out

*Initial date	*End date	*Execution orde...	*Process	Instrument
2013-06-01 10:00:00		1	RV_Position	SCB-POS001
		2	CTD_SBE90	SCB-SBE9002
	2	CTD_SBE90	SCB-SBE9001	
	3	RV_Thermosal	SCB-TSL001	
		4	RV_Meteo	SCB-MET009

CTD_SBE90 for SOCIB_RV input configuration (instrument process)

*Sensor Variable	Selected PV group	*Order
DEPTH	DEPTH (depth)	2
WTR_PRE	WTR_PRE (sea_water_pressure)	3
WTR_TEM_01	WTR_TEM_01 (sea_water_temperature)	4
WTR_TEM_02	WTR_TEM_02 (sea_water_temperature)	5
COND_01	COND_01 (sea_water_electrical_conductivity)	7
COND_02	COND_02 (sea_water_electrical_conductivity)	8
SALT_01	SALT_01 (sea_water_practical_salinity)	10
SALT_02	SALT_02 (sea_water_practical_salinity)	11
OXI_CON	OXI_CON (mass_concentration_of_oxygen_in_sea_water)	16
NET_RAD	NET_RAD (surface_net_downward_radiative_flux)	17
FLUO	CHLO (mass_concentration_of_chlorophyll_in_sea_water)	18
TURB	TURB (turbidity_of_sea_water)	19
LAT	LAT (latitude)	997
LON	LON (longitude)	998
WTR_PRE_SBE9002		999

Save Information Reset Close

CTD_SBE90 for SOCIB_RV OUTPUT configuration

*Available processing variables:

*Processing variable	*Order
LAT	1
LON	2
DEPTH	3
WTR_PRE	4
WTR_TEM_01	5
WTR_TEM_02	6
COND_01	7
COND_02	8
SALT_01	9
SALT_02	10
OXI_CON	11
CHLO	12
TURB	13
NET_RAD	14

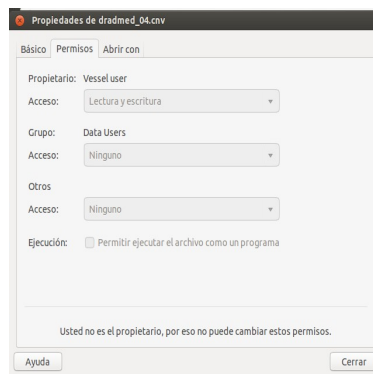
Save Information Reset Close

5. Troubleshooting

Case 1: NetCDF files not generated. Failed to parse model input data.

```
2016-05-13 12:21:18,407 DEBUG ( ProcessingInstrument.java: 197) - ProcessingInstrument() -- Setting instrument SCB-SBE9002 to be processed.
2016-05-13 12:21:18,509 DEBUG ( ProcessingInstrument.java: 202) - ProcessingInstrument() -- InputPath = /home/vessel/RTDATA/socib_rv/SCB-SBE9002
2016-05-13 12:21:18,726 INFO ( ProcessingInstrument.java: 285) - ===== doProcessing() -- Starting processing of SCB-SBE9002 =====
2016-05-13 12:21:18,733 DEBUG ( ProcessingManager.java: 583) - Instrument SCB-SBE9002 not processed: Failed to parse model input data.
2016-05-13 12:21:18,734 WARN ( ProcessingManager.java: 359) - Processing of instrument SCB-SBE9002 has failed!!!
2016-05-13 12:23:36,838 WARN ( JsonProduct.java: 166) - Json instrument SCB-SBE9002 not generated. EXCEPTION: "/data/current/opendap/observational/research_vessel/ctd/socib_rv-scb_sbe9002/L1/201
5/dep0013_socib_rv_scb_sbe9002_L1_2015-11-03.nc (No such file or directory)"
cmunoz@SCB0049:/home/dataprocuser/processing_application/v3.35
```

- Check permissions of data files for both group and other.



- If there are no permissions, then open a terminal, go till the data folder and provide reading permission for both groups and other users them by using the following command:

*chmod g = r , o = r *.cnv*



- If the problem persists, check if there is any file without data in it. There may be some files with different names (e.g. dtest.cnv) where there are no data after the header (see following figure):

```
dtest.cnv
# /usr/bin/perl -i rawInput
# /sensor
# /sensor
# datcnv_date = May 08 2016 15:45:08, 7.23.2 [datcnv_vars = 23]
# datcnv_in = C:\OCEANO\CTD\SBE9plus_1031\DATA_files\Step00_hex_files\test.hex C:\OCEANO\CTD\SBE9plus_1031\CON_files\SBE9_1031.XML.CON
# datcnv_skipower = 0
# datcnv_ov_hysteresis_correction = yes
# datcnv_ov_tau_correction = yes
# split_in = C:\OCEANO\CTD\SBE9plus_1031\DATA_files\Step01_cnv_files\test.cnv
# filter_low_pass_tc_A = 0.150
# filter_low_pass_tc_B = 0.150
# filter_low_pass_A_vars = prdm t090c t190c
# filter_low_pass_B_vars = prdm t090c t190c spsr
# aligned_date = May 08 2016 15:48:04, 7.23.2
# aligned_in = C:\OCEANO\CTD\SBE9plus_1031\DATA_files\Step05_filter\dtest.cnv
# aligned_adv = sbeoxmg/L
# celltn_date = May 08 2016 15:48:31, 7.23.2
# celltn_in = C:\OCEANO\CTD\SBE9plus_1031\DATA_files\Step06_CelltnCTD\dtest.cnv
# celltn_alpha = 0.0300, 0.0300
# celltn_tau = 7.0000, 7.0000
# celltn_temp_sensor_use_for_cond = primary, secondary
# loopedit_date = May 08 2016 15:48:04, 7.23.2
# loopedit_in = C:\OCEANO\CTD\SBE9plus_1031\DATA_files\Step07_Celltn\dtest.cnv
# loopedit_minvelocity = 0.250
# loopedit_surface_bath: mindepth = 5.0, maxdepth = 20, usebeckPress = 1
# loopedit_exc_lbad_scans = yes
# derive_date = May 08 2016 15:49:38, 7.23.2 [derive_vars = 4]
# derive_in = C:\OCEANO\CTD\SBE9plus_1031\DATA_files\Step08_Loopedit\dtest.cnv C:\OCEANO\CTD\SBE9plus_1031\CON_files\SBE9_1031.XML.CON
# blnavg_date = May 08 2016 15:50:10, 7.23.2
# blnavg_in = C:\OCEANO\CTD\SBE9plus_1031\DATA_files\Step09_Derive\dtest.cnv
# blnavg_bintype = decliners
# blnavg_bintsize = 5
# blnavg_exc_lbad_scans = yes
# blnavg_skipower = 0
# blnavg_surface_bin = no, min = 0.000, max = 0.000, value = 0.000
# file_type = ascii
# end
```

- In that case remove such files from rawInput directory.
- The cnv files should look like the following figure:

```
dtest.cnv
# /usr/bin/perl -i rawInput
# /sensor
# /sensor
# datcnv_date = May 08 2016 15:45:08, 7.23.2 [datcnv_vars = 23]
# datcnv_in = C:\OCEANO\CTD\SBE9plus_1031\DATA_files\Step00_hex_files\test.hex C:\OCEANO\CTD\SBE9plus_1031\CON_files\SBE9_1031.XML.CON
# datcnv_skipower = 0
# datcnv_ov_hysteresis_correction = yes
# datcnv_ov_tau_correction = yes
# split_in = C:\OCEANO\CTD\SBE9plus_1031\DATA_files\Step01_cnv_files\test.cnv
# filter_low_pass_tc_A = 0.150
# filter_low_pass_tc_B = 0.150
# filter_low_pass_A_vars = prdm t090c t190c spsr
# filter_low_pass_B_vars = prdm t090c t190c spsr
# aligned_date = May 08 2016 15:48:04, 7.23.2
# aligned_in = C:\OCEANO\CTD\SBE9plus_1031\DATA_files\Step05_filter\dtest.cnv
# aligned_adv = sbeoxmg/L
# celltn_date = May 08 2016 15:48:31, 7.23.2
# celltn_in = C:\OCEANO\CTD\SBE9plus_1031\DATA_files\Step06_CelltnCTD\dtest.cnv
# celltn_alpha = 0.0300, 0.0300
# celltn_tau = 7.0000, 7.0000
# celltn_temp_sensor_use_for_cond = primary, secondary
# loopedit_date = May 08 2016 15:48:04, 7.23.2
# loopedit_in = C:\OCEANO\CTD\SBE9plus_1031\DATA_files\Step07_Celltn\dtest.cnv
# loopedit_minvelocity = 0.250
# loopedit_surface_bath: mindepth = 5.0, maxdepth = 20, usebeckPress = 1
# loopedit_exc_lbad_scans = yes
# derive_date = May 08 2016 15:49:38, 7.23.2 [derive_vars = 4]
# derive_in = C:\OCEANO\CTD\SBE9plus_1031\DATA_files\Step08_Loopedit\dtest.cnv C:\OCEANO\CTD\SBE9plus_1031\CON_files\SBE9_1031.XML.CON
# blnavg_date = May 08 2016 15:50:10, 7.23.2
# blnavg_in = C:\OCEANO\CTD\SBE9plus_1031\DATA_files\Step09_Derive\dtest.cnv
# blnavg_bintype = decliners
# blnavg_bintsize = 5
# blnavg_exc_lbad_scans = yes
# blnavg_skipower = 0
# blnavg_surface_bin = no, min = 0.000, max = 0.000, value = 0.000
# file_type = ascii
# end
```

39.45369	2.31470	4.968	5.000	17.0038	17.0072	0.0034	48.102832	48.109916	0.000922	37.3213	37.3242	0.0029	1027.1715	1027.1729	0.0014	7.5200	7.6494e+02	2.8522e+02
4.5974e-02	0.0000	4.962	37.3214	1027.1717	27.1580	67	0.0000e+00											
39.45373	2.31467	9.924	10.000	17.1224	17.1229	-0.0002	48.099008	48.100317	0.001343	37.3205	37.3239	0.0034	1027.1225	1027.1217	0.0032	7.5345	7.6499e+02	1.9999e+02
5.1404e-02	0.0000	9.924	37.3186	1027.2189	27.1815	123	0.0000e+00											
39.45374	2.31464	14.885	15.000	17.1206	17.1223	-0.0003	48.100317	48.101448	0.001344	37.3190	37.3244	0.0033	1027.2086	1027.2017	0.0031	7.5921	7.6488e+02	1.5813e+02
4.6394e-02	0.0000	14.885	37.3004	1027.2081	27.2230	124	0.0000e+00											
39.45377	2.31462	19.847	20.000	17.0517	17.0533	0.0017	48.101087	48.112080	0.005087	37.4395	37.4422	0.0028	1027.3779	1027.3794	0.0017	7.6184	7.6469e+02	1.1715e+02
4.7020e-02	0.0000	19.847	37.4364	1027.3750	27.2807	127	0.0000e+00											
39.45379	2.31459	24.808	25.000	16.7001	16.7015	0.0012	47.325237	47.327710	0.002662	37.4125	37.4136	0.0011	1027.5491	1027.5496	0.0006	7.7499	7.6488e+02	9.1563e+01
4.7022e-02	0.0000	24.808	37.3080	1027.3380	27.4251	128	0.0000e+00											
39.45381	2.31457	29.768	30.000	16.0794	16.0712	0.0008	46.676241	46.676142	0.002907	37.4248	37.4267	0.0019	1027.7302	1027.7314	0.0012	7.8695	7.6479e+02	7.1194e+01
5.9215e-02	0.0000	29.769	37.4053	1027.7151	27.5480	129	0.0000e+00											
39.45382	2.31454	34.731	35.000	15.6406	15.6402	-0.0003	46.120374	46.130305	0.000756	37.5103	37.5113	0.0010	1027.9159	1027.9168	0.0009	7.8433	7.6502e+02	5.5237e+01
7.7025e-02	0.0000	34.731	37.4032	1027.9020	27.5480	130	0.0000e+00											
39.45384	2.31452	39.693	40.000	15.4401	15.4375	-0.0025	46.101550	46.105701	0.000267	37.5526	37.5553	0.0027	1028.0187	1028.0213	0.0026	7.8753	7.6488e+02	4.1790e+01
9.2604e-02	0.0000	39.692	37.5402	1028.0091	27.6380	131	0.0000e+00											
39.45386	2.31450	44.653	45.000	15.4507	15.4483	-0.0024	46.270951	46.271724	0.001157	37.6298	37.6332	0.0034	1028.0978	1028.1008	0.0032	7.9293	7.6488e+02	3.1000e+01
1.1080e-01	0.0000	44.653	37.6238	1028.0932	27.8062	132	0.0000e+00											
39.45388	2.31448	49.612	50.000	15.3604	15.3610	-0.0006	46.262501	46.265000	0.000319	37.7034	37.7060	0.0026	1028.1961	1028.1986	0.0026	7.9410	7.6500e+02	2.3550e+01
1.6213e-01	0.0000	49.613	37.6990	1028.1927	27.9738	133	0.0000e+00											

Case 2: NetCDF files not generated. One or more of the needed parameters are null.

```
2016-05-17 10:03:02,056 DEBUG (KnlProduct.java: 123) - generateProduct() -- Instrument: SCB-SBE9002: createDeploymentInfo() -- One or more of the needed parameters are null. Null DeploymentInfo was returned
2016-05-17 10:03:02,058 INFO (PathUtils.java: 732) - getWebKmlLink() -- KML file /data/current/processing_web_files/argos_kml/dep0018_socib-rv_scb-sbe9002_L1_2016-05-13.knz
2016-05-17 10:03:03,430 INFO (PathUtils.java: 732) - getWebKmlLink() -- KML file /data/current/processing_web_files/argos_kml/dep0018_sdeep00_scb-sbe9002_L1_2016-04-27.knz
2016-05-17 10:03:04,234 INFO (SapoProductAys.java: 93) - generateSapoFiles() -- Starting
2016-05-17 10:03:04,438 INFO (SapoProductAys.java: 268) - generateSapoFiles() -- Sapo file created /home/puertos/d.sapo/d.basedatos/d.boyaad/datboyaenderrocat
2016-05-17 10:03:04,438 INFO (SapoProductAys.java: 261) - generateSapoFiles() -- Finishing
2016-05-17 10:03:05,600 INFO (ProcessingManager.java: 239) - doProcessing() -- Processing FINISHED. Total time: 173.793s. NetCDF creation: 0 min, 18.914 sec and 18.883061K of the time.
2016-05-17 10:03:05,601 INFO (ProcessingManager.java: 268) - doProcessing() -- Kml creation: 0 min, 2.0 sec and 1.1507944K of the time
```

- Be sure you saved changes when set deployment_finished to FALSE.

Save the changed row	text	text	text	boolean	text	text	text	text	text	bigint	text	text
1	Ministerio0001	SOCIB	TRUE		data.cent					2		
2	Ministerio0004	SOCIB	TRUE		data.cent					2		
3	Ministerio0006	SOCIB	TRUE		data.cent					2		
4	Ministerio0007	SOCIB	TRUE		data.cent					2		
5	Ministerio0008	SOCIB	TRUE		data.cent					2		
6	Ministerio0009	SOCIB	TRUE		data.cent					2		
7	Ministerio0010	SOCIB	TRUE		data.cent					2		
8	Spanish Rv0011	SOCIB	TRUE		data.cent					2		
9	Balearic I0013	SOCIB	TRUE		data.cent					2		
10	Balearic I0012	SOCIB	TRUE		data.cent					2		
11	Balearic I0014	SOCIB	TRUE		data.cent					2		
12	Balearic I0016	SOCIB	TRUE		data.cent					2		
13	Balearic I0017	SOCIB	TRUE		data.cent					2		
14	UIB, Puer0018	SOCIB	TRUE		data.cent					1		
15	Balearic I0019	SOCIB	TRUE		data.cent					2		
16	Ministerio0020	SOCIB	FALSE		data.cent					2		
*												

- In case the problem persists, check if the deployment_code does match the deployment_code of any other instrument that is processing at the same time. In case affirmative create a copy of the CTD deployment that has a different deployment_code, set the deployment_finished to FALSE and check the results.

```
2016-05-17 10:53:07,103 INFO (KnlProduct.java: 133) - Process platform Apex_profiler_drifter KML product not generated: the process of the platform Profiler_drifter_AIV001001 doesn't have new data
2016-05-17 10:53:07,110 DEBUG (KnlProduct.java: 123) - generateProduct() -- Instrument: SCB-SBE9002: createDeploymentInfo() -- One or more of the needed parameters are null. Null DeploymentInfo was returned
2016-05-17 10:53:07,111 INFO (PathUtils.java: 732) - getWebKmlLink() -- KML file /data/current/processing_web_files/argos_kml/dep0018_socib-rv_scb-sbe9002_L1_2013-09-15.knz
2016-05-17 10:53:09,134 INFO (PathUtils.java: 732) - getWebKmlLink() -- KML file /data/current/processing_web_files/argos_kml/dep0018_sdeep00_scb-sbe9002_L1_2016-04-27.knz
2016-05-17 10:53:10,193 INFO (SapoProductAys.java: 93) - generateSapoFiles() -- Starting
2016-05-17 10:53:10,502 INFO (SapoProductAys.java: 268) - generateSapoFiles() -- Sapo file created /home/puertos/d.sapo/d.basedatos/d.boyaad/datboyaenderrocat
2016-05-17 10:53:10,502 INFO (SapoProductAys.java: 261) - generateSapoFiles() -- Finishing
2016-05-17 10:53:11,737 INFO (ProcessingManager.java: 239) - doProcessing() -- Processing FINISHED. Total time: 180.894s. NetCDF creation: 0 min, 20.479 sec and 11.320995K of the time.
2016-05-17 10:53:11,738 INFO (ProcessingManager.java: 268) - doProcessing() -- Kml creation: 0 min, 2.0 sec and 1.1056199K of the time
```

Case 3: NetCDF files not generated. No input data was found in the raw input directory.

[illegible]

- Be sure you copied the files to rawInput directory.
- If the problem persists, check if in the database there is more than one deployment set as FALSE in deployment_finished. In case affirmative you must set to TRUE any other deployment.