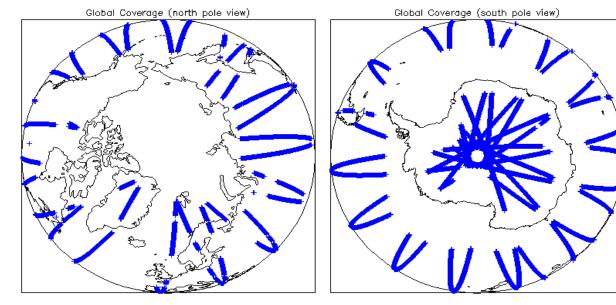
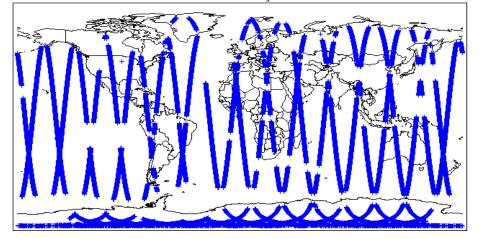


30-Dec-2013	None
31-Dec-2013	Nothing planned

# 2. Global Coverage



## Global Coverage



# 3. Instrument Configuration

The SIRAL instrument configuration for the day of acquisition is provided below.

SIRAL instrument(s) in use:	SIRAL - A
Star Tracker(s) in use:	Star Tracker 1 & 2

# 4. Level 1B Calibration Data Quality Check

# 4.1 L1 CAL Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a binary product file (.DBL).

Number of products with errors:

#### 4.2 L1 CAL Product Header Analysis

For all products, a series of pre-defined checks are carried out on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the processing chain. Number of products with errors:
0

4.2 L4 CAL Auxiliant Data File Llagge Check		
4.3 L1 CAL Auxiliary Data File Usage Check		
Each product is checked for missing Data Set Descriptors wrt a pre-determine	ed baseline and also to check the validity of A	uxiliary Data Files is correct.
Number of products with errors: 0		
4.4 L1 CAL Measurement Confidence Flags		
CryoSat Cal1 and Cal2 data includes a measurement confidence flag word (fi	ield 11) for each measurement record. The bi	value of this flag indicates any problems when set.
Number of products with errors: 0		
5. Lev	el 1B FDM Data Quality Cl	neck
5.1 L1B FDM Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to	ensure it consists of both an XML header file	(.HDR) and a binary product file (.DBL).
Number of products with errors: 0		
5.2 L1B FDM Product Header Analysis		
For all products, a series of pre-defined checks are carried out on the MPH and	nd SPH in order to identify any inconsistencie	s and/or errors raised by the ground-segment processing chain.
Number of products with errors: 0		
5.3 L1B FDM Auxilary Data File Usage Check		
Each product is checked for missing Data Set Descriptors wrt a pre-determine	ed baseline and also to check the validity of A	uxiliary Data Files is correct.
Number of products with errors: 0		
5.4 L1B Correction Error Flags		
	station processing chain as missing or conta	ining orrors
Each product is checked to detect auxiliary corrections flagged by the ground Number of products with errors: 0	-station processing chain as missing or conta	ining errors.
5.5 L1B FDM Measurement Confidence Flags		
CryoSat L1B data includes a measurement confidence flag word (field 14) for	r each measurement record. The bit value of t	his flag indicates any problems when set.
Number of products with errors: 1		
Product CS_OFFL_SIR_FDM_1B_20131230T090233_20131230T090312_B001	Test Failed Attitude correction missing	Description The attitude has not been corrected
	-	
6. Lev	vel 2 FDM Data Quality Ch	eck
6.1 L2 FDM Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to	ensure it consists of both an XML header file	(.HDR) and a binary product file (.DBL)
Number of products with errors: 0		
6.2 L2 FDM Product Header Analysis		
For all products, a series of pre-defined checks are carried out on the MPH at	nd SPH in order to identify any inconsistencie	s and/or errors raised by the processing chain.
Currently there is a high number of processing error flags set within the Level		
field #29) and also within the L2 Product files (MPH field #35 and SPH field # percentage of Data Set Records free of processing errors is below the minimum	, , ,	0 1 0
This issue is under investigation.		
Number of products with errors: 0		
6.3 L2 FDM Auxiliary Data File Usage Check		
Each product is checked for missing Data Set Descriptors wrt a pre-determine	ed baseline and also to check the validity of A	uxiliary Data Files is correct.
Number of products with errors: 0		
6.4 L2 FDM Correction Error Flags		
	l station processing shain on mission or conta	
Each product is checked to detect auxiliary corrections flagged by the ground Number of products with errors: 0	-station processing chain as missing or conta	ining errors.
6.5 L2 FDM Measurement Confidence Flags		
CryoSat L2 data includes a quality flag word (field 8) for each 20-Hz measure	ement record. The bit value of this flag is an as	sessment of the measurement quality by the processing chain.
Number of products with errors: 1		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_220131230T090233_20131230T090312_B001	Attitude correction missing	The attitude has not been corrected

#### 6.6 L2 FDM Range Measurement Flags

Each product is checked to detect range measurements flagged by the processing chain as missing or containing errors. 3

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220131230T143928_20131230T145337_B001	OCOG Retracked Range Flag	The master fail flag is set by the OCOG call, for one or more records, indicating the values stored in fields #18, #19, #20 and #21 should be ignored for these records.
CS_OFFL_SIR_FDM_220131230T194525_20131230T195103_B001		The master fail flag is set by the OCOG call, for one or more records, indicating the values stored in fields #18, #19, #20 and #21 should be ignored for these records.
CS_OFFL_SIR_FDM_220131230T200706_20131230T203944_B001	OCOG Retracked Range Flag	The master fail flag is set by the OCOG call, for one or more records, indicating the values stored in fields #18, #19, #20 and #21 should be ignored for these records.

### 6.7 L2 FDM SWH and Backscatter Measurement Flags

Each product is checked to detect parameters related to SWH and sigma0 that are flagged by the processing chain as missing or containing errors.

Number of products with errors:	
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tter Status Flag The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #47, #48, #49 and #50 should be ignored for these records.
а

## 6.8 L2 FDM Geophysical Measurement Flags

Each product is checked to detect geophysical measurements flagged by the processing chain as missing or containing errors. 7

0

All

1

Number of	products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220131230T001614_20131230T003320_B001	0,0	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220131230T021229_20131230T022153_B001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220131230T042653_20131230T043702_B001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220131230T143928_20131230T145337_B001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220131230T151758_20131230T152149_B001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220131230T194525_20131230T195103_B001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220131230T200706_20131230T203944_B001	0,00	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.

# 7. QCC Check

The QCC is a CryoSat facility that performs a primary survey of data products immediately after production by the PDS and LTA processing facilities. A list of the tests which raised errors or warnings is provided below.

Product type Nb. Products Nb. QCC Reports	Nb. Valid	Nb. Warnings	Nb. Errors
SIR_FDM_1B 168 0	0	0	0
SIR_FDM_2 168 0	0	0	0

### 7.1 QCC Errors

Number of QCC reports with errors:

## 7.2 Missing QCC Reports

Number of products with missing QCC reports: