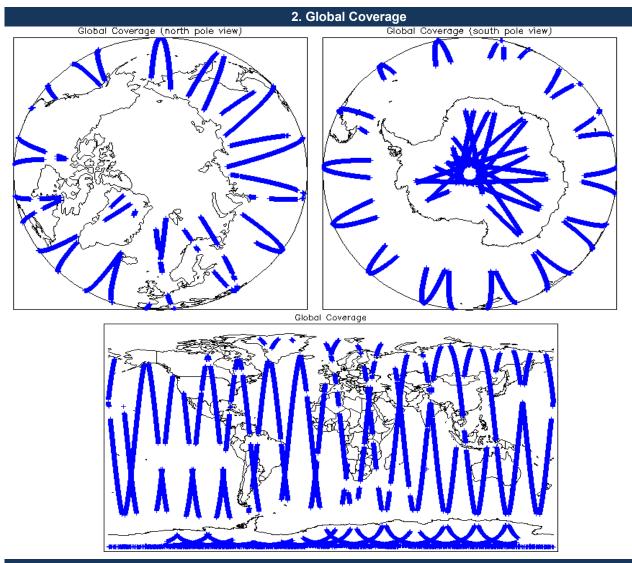


10-Nov-2013	None
11-Nov-2013	None
12-Nov-2013	Nothing planned



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: 0

#### 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. 0

Number of products with errors:

4.3 L1 CAL Auxiliary Data File Usage Check					
Each product is checked for missing Data Set Descriptors wrt a pre-determined baseline and a Number of products with errors: 0	also to check the validity of Auxiliary Dat	a Files is correct.			
4.4 L1 CAL Measurement Confidence Flags					
CryoSat Cal1 and Cal2 data includes a measurement confidence flag word (field 11) for each Number of products with errors: 0	measurement record. The bit value of th	is flag indicates any problems when set.			
5. Level 1B FDI	M Data Quality Check				
5.1 L1B FDM Product Format Check					
Each product, retrieved and unpacked from the science server, is checked to ensure it consist	s of both an XML beader file ( HDR) and	a binary product file ( DBI )			
Number of products with errors: 0		(1997), (1997)			
5.2 L1B FDM Product Header Analysis					
For all products, a series of pre-defined checks are carried out on the MPH and SPH in order to Number of products with errors: 0	o identify any inconsistencies and/or err	ors raised by the ground-segment processing chain.			
5.3 L1B FDM Auxilary Data File Usage Check					
Each product is checked for missing Data Set Descriptors wrt a pre-determined baseline and a Number of products with errors: 0	also to check the validity of Auxiliary Dat	a Files is correct.			
5.4 L1B Correction Error Flags					
Each product is checked to detect auxiliary corrections flagged by the ground-station procession Number of products with errors: 0	ng chain as missing or containing errors				
5.5 L1B FDM Measurement Confidence Flags					
CryoSat L1B data includes a measurement confidence flag word (field 14) for each measurement number of products with errors: 3	ent record. The bit value of this flag indi	cates any problems when set.			
Product	Test Failed	Description			
CS_OFFL_SIR_FDM_1B_20131111T091224_20131111T091457_B001	Attitude correction missing	The attitude has not been corrected			
CS_OFFL_SIR_FDM_1B_20131111T105120_20131111T105233_B001 CS_OFFL_SIR_FDM_1B_20131111T140735_20131111T141413_B001	Attitude correction missing Attitude correction missing	The attitude has not been corrected The attitude has not been corrected			
6. Level 2 FDN	I Data Quality Check				
6.1 L2 FDM Product Format Check					
Each product, retrieved and unpacked from the science server, is checked to ensure it consist Number of products with errors: 0	s of both an XML header file (.HDR) and	a binary product file (.DBL)			
6.2 L2 FDM Product Header Analysis					
For all products, a series of pre-defined checks are carried out on the MPH and SPH in order t	o identify any inconsistencies and/or err	ors raised by the processing chain			
Currently there is a high number of processing error flags set within the Level 2 FDM products field #29) and also within the L2 Product files (MPH field #35 and SPH field #33). They are set percentage of Data Set Records free of processing errors is below the minimum acceptable th	(Product_Err and L2_Proc_Flag). Thes by the FDM processor when an error is	e flags are set within L2 Header files (MPH field #19 and SPH detected during the L2 processing and also when the			
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-determined baseline and a Number of products with errors:       0	also to check the validity of Auxiliary Dat	a Files is correct.			
6.4 L2 FDM Correction Error Flags					
Each product is checked to detect auxiliary corrections flagged by the ground-station procession Number of products with errors: 0	ng chain as missing or containing errors				
6.5 L2 FDM Measurement Confidence Flags					
CryoSat L2 data includes a quality flag word (field 8) for each 20-Hz measurement record. The	e bit value of this flag is an assessment o	of the measurement quality by the processing chain.			
Number of products with errors: 3					
Product	Test Failed	Description			
CS_OFFL_SIR_FDM_220131111T091224_20131111T091457_B001	Attitude correction missing	The attitude has not been corrected			
CS_OFFL_SIR_FDM_220131111T105120_20131111T105233_B001	_OFFL_SIR_FDM_2_20131111T105120_20131111T105233_B001 Attitude correction missing The attitude has not been corrected				
CS_OFFL_SIR_FDM_220131111T140735_20131111T141413_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.

4

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220131111T123714_20131111T123851_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_220131111T141413_20131111T141502_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_220131111T142831_20131111T143458_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_220131111T224159_20131111T224440_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:

aber of products with err

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# 6.8 L2 FDM Geophysical Measurement Flags

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Each product is checked to detect geophysical measurements flagged by the processing chain as missing or containing errors. 6

0

0

Number of products with errors: 0				
Product	Test Failed	Description		
CS_OFFL_SIR_FDM_220131111T123714_20131111T123851_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_220131111T141413_20131111T141502_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_220131111T142831_20131111T143458_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_220131111T162758_20131111T164256_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_220131111T203243_20131111T204404_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_220131111T224159_20131111T224440_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.		

## 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	145	0	0	0	0
SIR_FDM_2	140	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: All