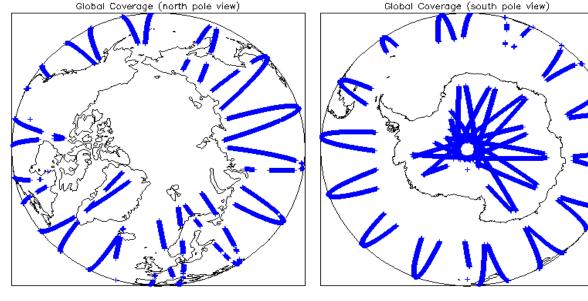


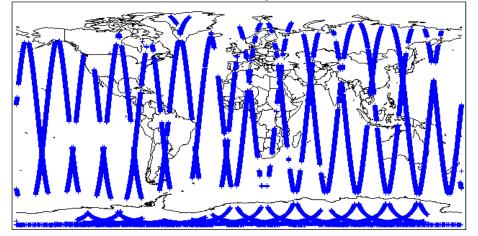
03-Dec-2013	None
04-Dec-2013	None
05-Dec-2013	SIRAL unavailability from 5-Dec-2013 08:54:54 to 10:43:09 due to a planned orbit manoeuvre.

2. Global Coverage

Global Coverage (north pole view)







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:

4.3 L1 CAL Auxiliary Data File Usage Check					
Each product is checked for missing Data Set Descriptors wrt a pre-determined base	eline and also to check the validity of Auxiliary	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 (field 11)) for each measurement record. The bit value of	of this flag indicates any problems when set.			
Number of products with errors: 0					
5. Level 1l	B FDM Data Quality Check				
5.1 L1B FDM Product Format Check					
Each product, retrieved and unpacked from the science server, is checked to ensure	e it consists of both an XML header file (.HDR)	and a binary product file (.DBL).			
Number of products with errors: 0					
5.2 L 4P. EDM Broduct Header Analysia					
5.2 L1B FDM Product Header Analysis					
For all products, a series of pre-defined checks are carried out on the MPH and SPH	I in order to identify any inconsistencies and/or	r 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-determined base	eline and also to check the validity of Auxiliary	Data Files is correct.			
Number of products with errors: 81	,,,,,				
Product	AUX File	Comment			
All SIR_FDM_1B products up to 20131204T125614 (81 products)		20131204T23 Missing Forecast Auxiliary File:			
	5959_0001	CS_OPER_AUXIIONGIM			
5.4 L1B Correction Error Flags					
Each product is checked to detect auxiliary corrections flagged by the ground-station	n processing chain as missing or containing er	rors.			
Number of products with errors: 81					
Product	Test Failed	Description			
All SIR_FDM_1B products up to 20131204T125614 (81 products)	GIM lonspheric Correction	Due to a missing Forecast Auxiliary File there was an error with			
		the GIM ionospheric correction.			
5.5 L1B FDM Measurement Confidence Flags					
CryoSat L1B data includes a measurement confidence flag word (field 14) for each r	measurement record. The bit value of this flag	indicates any problems when set.			
Number of products with errors: 4					
Product	Test Failed	Description			
CS_OFFL_SIR_FDM_1B_20131204T075209_20131204T075735_B001	Attitude correction missing	The attitude has not been corrected			
CS_OFFL_SIR_FDM_1B_20131204T093359_20131204T093502_B001	Attitude correction missing	The attitude has not been corrected			
CS_OFFL_SIR_FDM_1B_20131204T111301_20131204T111428_B001	Attitude correction missing	The attitude has not been corrected			
CS_OFFL_SIR_FDM_1B_20131204T125430_20131204T125614_B001	Attitude correction missing	The attitude has not been corrected			
6. Level 2	P. FDM Data Quality Check				
6.1 L2 FDM Product Format Check					
Each product, retrieved and unpacked from the science server, is checked to ensure	e it consists of both an XML beader file (HDR)	and a binary product file (DBI)			
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 and SPH	I in order to identify any inconsistencies and/or	r errors raised by the processing chain.			
Currently there is a high number of processing error flags set within the Level 2 FDM field #29) and also within the L2 Product files (MPH field #35 and SPH field #33). Th percentage of Data Set Records free of processing errors is below the minimum acc	ey are set by the FDM processor when an error	or is detected during the L2 processing and also when the			
This issue is under investigation.	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 base	eline and also to check the validity of Auxiliary	Data Files is correct.			
Number of products with errors: 78	· · · · · · · · · · · · · · · · · · ·				
Product		Comment			

Product	AUX File	Comment
	CS_OPER_AUXIIONGIM_20131204T000000_20131204T23 5959_0001	Missing Forecast Auxiliary File: CS_OPER_AUXIIONGIM

6.4 L2 FDM Correction Error Flags					
Each product is checked to detect auxiliary corrections flagged by the ground-station processing chain as missing or containing errors.					
Number of products with errors: 78					
Product	Test Failed	Description			
All SIR_FDM_2 products up to 20131204T125614 (78 products)		Due to a missing Forecast Auxiliary File there was an error with the GIM ionospheric correction.			

6.5 L2 FDM Measurement Confidence Flags

CryoSat L2 data includes a quality flag word (field 8) for each 20-Hz measurement record. The bit value of this flag is an assessment of the measurement quality by the processing chain.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220131204T075209_20131204T075735_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220131204T093359_20131204T093502_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220131204T111301_20131204T111428_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220131204T125430_20131204T125614_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: 2		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_220131204T011641_20131204T012055_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_220131204T054529_20131204T060727_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:

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. 4

0

All

0

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220131204T011641_20131204T012055_B001		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_220131204T031705_20131204T033251_B001		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_220131204T040617_20131204T042040_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_220131204T054529_20131204T060727_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	165	0	0	0	0
SIR_FDM_2	162	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: