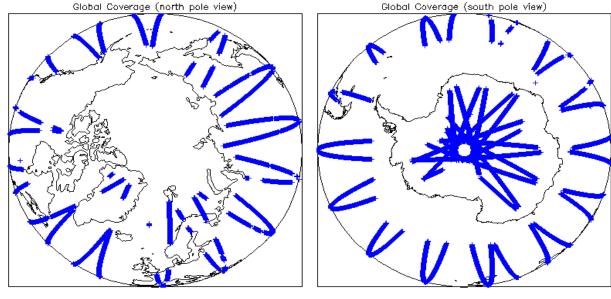
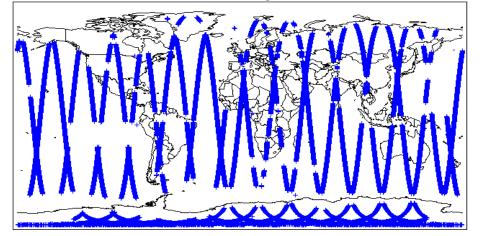


16-Dec-2013	
17-Dec-2013	Nothing planned

2. 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

4.3 L1 CAL Auxiliary Data File Usage Check										
Each product is checked for missing Data Set Descriptors wrt a pre-determined baseline an	d also to check the validity of Auxiliary D	bata 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 eac	b measurement record. The hit value of	this flag indicates any problems when set								
Number of products with errors: 0		uns hag indicates any problems when set.								
5. Level 1B FDM Data Quality Check										
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 SPH in order to identify any inconsistencies 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-determined baseline an	d also to check the validity of Auxiliary E	ata Files is correct.								
Number of products with errors: 0										
5.4 L1B Correction Error Flags										
Each product is checked to detect auxiliary corrections flagged by the ground-station proces	ssing chain as missing or containing erro	IFS.								
Number of products with errors: 0										
5.5 L1B FDM Measurement Confidence Flags										
CryoSat L1B data includes a measurement confidence flag word (field 14) for each measure	ement record. The bit value of this flag ir	dicates any problems when set.								
Number of products with errors: 3										
Product	Test Failed	Description								
CS_OFFL_SIR_FDM_1B_20131216T074206_20131216T074227_B001	Attitude correction missing	The attitude has not been corrected								
CS_OFFL_SIR_FDM_1B_20131216T091844_20131216T092018_B001	Attitude correction missing	The attitude has not been corrected								
CS_OFFL_SIR_FDM_1B_20131216T120917_20131216T124229_B001	Attitude correction missing	The attitude has not been corrected								
6. Level 2 FDI	M Data Quality Check									
6.1 L2 FDM Product Format Check										
Each product, retrieved and unpacked from the science server, is checked to ensure it cons Number of products with errors: 0	sists of both an XML header file (.HDR) a	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	er to identify any inconsistencies and/or	errors raised by the processing chain.								
Currently there is a high number of processing error flags set within the Level 2 FDM produc										
field #29) and also within the L2 Product files (MPH field #35 and SPH field #33). They are a percentage of Data Set Records free of processing errors is below the minimum acceptable										
This issue is under investigation										
This issue is under investigation. Number of products with errors: 0 0										
6.3 L2 FDM Auxiliary Data File Usage Check										
Each product is checked for missing Data Set Descriptors wrt a pre-determined baseline an	d also to check the validity of Auxiliary D	ata Files is correct.								
Number of products with errors: 0										
6.4 L2 FDM Correction Error Flags										
Each product is checked to detect auxiliary corrections flagged by the ground-station proces	ssing chain as missing or containing erro	ire .								
	ssing chain as missing of containing end	n 5.								
Number of products with errors: 0										
6.5 L2 FDM Measurement Confidence Flags										
CryoSat L2 data includes a quality flag word (field 8) for each 20-Hz measurement record. T	The bit value of this flag is an assessme	nt of the measurement quality by the processing chain.								
Number of products with errors: 3										
Product	Test Failed	Description								
CS_OFFL_SIR_FDM_220131216T074206_20131216T074227_B001	Attitude correction missing	The attitude has not been corrected								
CS_OFFL_SIR_FDM_220131216T091844_20131216T092018_B001	Attitude correction missing	The attitude has not been corrected								
CS_OFFL_SIR_FDM_220131216T120917_20131216T124229_B001	Attitude correction missing	The attitude has not been corrected								

Each product is checked to detect range measurements flagged by the processing	g chain as missing or containing errors.		
Number of products with errors: 1			
Product	Test Failed	Description	
CS_OFFL_SIR_FDM_220131216T145550_20131216T151049_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 ar #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	e flagged by the processing chain as missing	or containing errors.	
Number of products with errors: 0			
6.8 L2 FDM Geophysical Measurement Flags			
0.0 Ez i Din Ocophysical measurement i lags			
Each product is checked to detect geophysical measurements flagged by the proc	essing chain as missing or containing errors.		
	essing chain as missing or containing errors.		
Each product is checked to detect geophysical measurements flagged by the proc	essing chain as missing or containing errors.	Description	
Each product is checked to detect geophysical measurements flagged by the proc Number of products with errors: 6			
Each product is checked to detect geophysical measurements flagged by the proc Number of products with errors: 6 Product	Test Failed	Description The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or	
Each product is checked to detect geophysical measurements flagged by the proc Number of products with errors: 6 Product CS_OFFL_SIR_FDM_220131216T022939_20131216T023907_B001 CS_OFFL_SIR_FDM_220131216T111839_20131216T114723_B001	Test Failed Ocean Retracking Quality Flag	Description The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.	
Each product is checked to detect geophysical measurements flagged by the proc Number of products with errors: 6 Product CS_OFFL_SIR_FDM_2_20131216T022939_20131216T023907_B001	Test Failed Ocean Retracking Quality Flag Ocean Retracking Quality Flag	Description The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.	
Each product is checked to detect geophysical measurements flagged by the proc Number of products with errors: 6 Product 6 CS_OFFL_SIR_FDM_220131216T022939_20131216T023907_B001 0 CS_OFFL_SIR_FDM_220131216T111839_20131216T114723_B001 0 CS_OFFL_SIR_FDM_220131216T131429_20131216T131701_B001 0	Test Failed Ocean Retracking Quality Flag Ocean Retracking Quality Flag Ocean Retracking Quality Flag	Description The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.	

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	167	0	0	0	0			
SIR_FDM_2	169	0	0	0	0			
7.1 QCC Errors								
Number of QCC reports with errors:	0							
7.2 Missing QCC Reports								

Number of products with missing QCC reports:

All