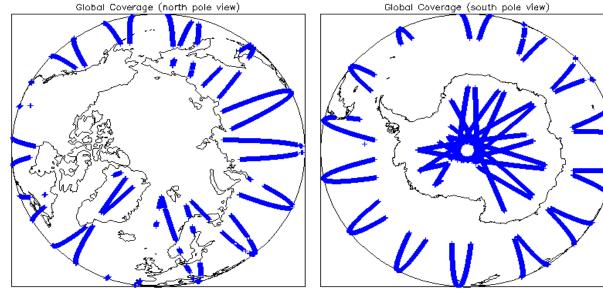
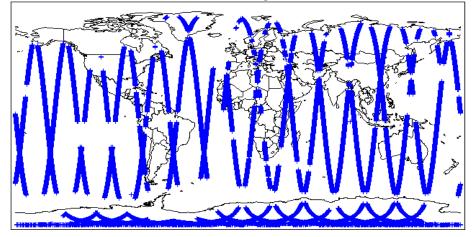


15-Dec-2013	None	
16-Dec-2013	Nothing planned	

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

4.3 L1 CAL Auxiliary Data File Usage Check		
Each product is checked for missing Data Set Descriptors wrt a pre-determined baseline an Number of products with errors: 0	nd also to check the validity of Auxiliary D	lata 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	ch measurement record. The bit value of	this flag indicates any problems when set.
5. Level 1B FD	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 cons	siste of both on XML booder file (HDB) o	a binary product file (DDL)
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 orden Number of products with errors: 0	er to identify any inconsistencies and/or o	errors 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 an Number of products with errors: 0	nd also to check the validity of Auxiliary D	ata Files is correct.
5.4 L1B Correction Error Flags		
Each product is checked to detect auxiliary corrections flagged by the ground-station proces Number of products with errors: 0	ssing chain as missing or containing erro	rs.
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 in	dicates any problems when set.
Number of products with errors: 4		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20131215T064845_20131215T065528_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20131215T083112_20131215T083222_B001 CS_OFFL_SIR_FDM_1B_20131215T101048_20131215T1011111_B001	Attitude correction missing Attitude correction missing	The attitude has not been corrected The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20131215T133431_20131215T133558_B001	Attitude correction missing	The attitude has not been corrected
6. Level 2 FD	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	sists of both an XML header file (.HDR) a	nd 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 and SPH in order Currently there is a high number of processing error flags set within the Level 2 FDM produ field #29) and also within the L2 Product files (MPH field #35 and SPH field #33). They are percentage of Data Set Records free of processing errors is below the minimum acceptable	cts (Product_Err and L2_Proc_Flag). The set by the FDM processor when an error	ese flags are set within L2 Header files (MPH field #19 and SPH is 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 an Number of products with errors: 0	nd also to check the validity of Auxiliary D	ata Files is correct.
6.4 L2 FDM Correction Error Flags		
Each product is checked to detect auxiliary corrections flagged by the ground-station proces Number of products with errors: 0	ssing chain as missing or containing erro	rs.
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 assessmer	nt of the measurement quality by the processing chain.
Number of products with errors: 4		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_220131215T064845_20131215T065528_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220131215T083112_20131215T083222_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220131215T101048_20131215T101111_B001	Attitude correction missing	The attitude has not been corrected

Attitude correction missing

The attitude has not been corrected

CS_OFFL_SIR_FDM_2__20131215T133431_20131215T133558_B001

Each product is checked to detect range measurements flagged by the processing chain as missing or containing errors.			
Number of products with errors: 2			
Product	Test Failed	Description	
CS_OFFL_SIR_FDM_220131215T014554_20131215T014901_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_220131215T163352_20131215T163928_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.	

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. 5

0

All

0

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220131215T014554_20131215T014901_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_220131215T080800_20131215T082854_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_220131215T113305_20131215T114537_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_220131215T163352_20131215T163928_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_220131215T221125_20131215T221403_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	168	0	0	0	0
	SIR_FDM_2	164	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: