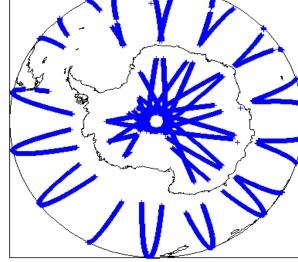
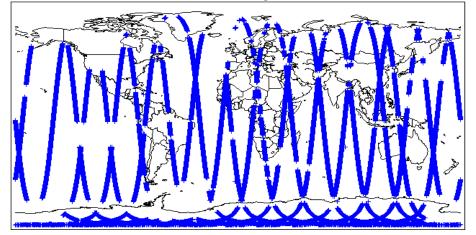


10-Feb-2014	None
11-Feb-2014	None
12-Feb-2014	Nothing planned

2. Global Coverage Global Coverage (north pole view) Global Coverage (south pole view)



### 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	

## 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 baseli	ne and also to check the validity of Auxiliary E	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) f	or each measurement record. The hit value of	this flag indicates any problems when set			
Number of products with errors: 0	or each measurement record. The bit value of	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 i	t consists of both an XML header file (.HDR) a	nd 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 i Number of products with errors: 0	n order to identify any inconsistencies and/or	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 baseling Number of products with errors: 0	ne and also to check the validity of Auxiliary E	Data Files is correct.			
5.4 L1B Correction Error Flags					
Each product is checked to detect auxiliary corrections flagged by the ground-station p	processing chain as missing or containing error	ors.			
Number of products with errors: 0		ло.			
5.5 L1B FDM Measurement Confidence Flags					
CryoSat L1B data includes a measurement confidence flag word (field 14) for each me Number of products with errors: 4	easurement record. The bit value of this flag ir	idicates any problems when set.			
	est Failed .ttitude correction missing	Description The attitude has not been corrected			
CS_OFFL_SIR_FDM_1B_20140211T054125_20140211T054229_B001	ttitude correction missing	The attitude has not been corrected			
CS_OFFL_SIR_FDM_1B_20140211T072102_20140211T072119_B001	ttitude correction missing	The attitude has not been corrected			
CS_OFFL_SIR_FDM_1B_20140211T104440_20140211T104614_B001	ttitude correction missing	The attitude has not been corrected			
6. Level 2	FDM Data Quality Check				
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 and SPH i	n order 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 products (Product_Err and L2_Proc_Flag). These flags are set within L2 Header files (MPH field #19 and SPH field #29) and also within the L2 Product files (MPH field #35 and SPH field #33). They are set by the FDM processor when an error is detected during the L2 processing and also when the percentage of Data Set Records free of processing errors is below the minimum acceptable threshold set within the processor (currently set to 5%).					
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 also to check the validity of Auxiliary Data 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 processing chain as missing or containing errors.					
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 rec	cord. The bit value of this flag is an assessme	t of the measurement quality by the processing chain.			
Number of products with errors: 4					
Product	Test Failed	Description			
CS_OFFL_SIR_FDM_220140211T035852_20140211T040532_B001	Attitude correction missing	The attitude has not been corrected			
CS_OFFL_SIR_FDM_220140211T054125_20140211T054229_B001	Attitude correction missing	The attitude has not been corrected			

Attitude correction missing

Attitude correction missing

The attitude has not been corrected

The attitude has not been corrected

CS\_OFFL\_SIR\_FDM\_2\_\_20140211T072102\_20140211T072119\_B001

CS\_OFFL\_SIR\_FDM\_2\_\_20140211T104440\_20140211T104614\_B001

### 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_220140211T174814_20140211T175914_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_220140211T202536_20140211T203734_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_220140211T205115_20140211T205133_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.

umber of products with errors:
--------------------------------

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220140211T033105_20140211T035722_B001	OCOG Backscatter 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.

### 6.8 L2 FDM Geophysical Measurement Flags

and by the pressesing chain as missing or containing arran aduat is abacked to dat

0

All

1

Number of products with errors: 6				
Product	Test Failed	Description		
CS_OFFL_SIR_FDM_220140211T111351_20140211T113313_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_220140211T134341_20140211T134937_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_220140211T174814_20140211T175914_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_220140211T202536_20140211T203734_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_220140211T205115_20140211T205133_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_220140211T221215_20140211T221309_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	163	0	0	0	0
SIR_FDM_2	163	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: