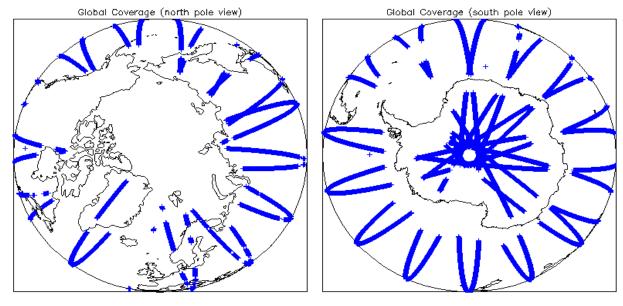
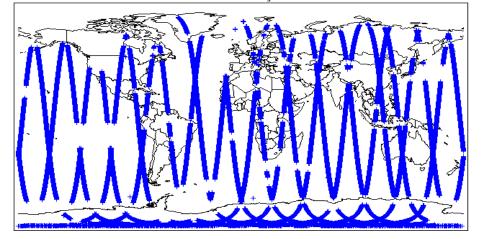


wission / instrum	lent news
16-Feb-2014	None
17-Feb-2014	None
18-Feb-2014	Nothing planned

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	

# 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	e and also to check the validity of Auxiliary D	ata 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 hit value of	this flag indicates any problems when set
Number of products with errors: 0		and hag indicates any problems when set.
E Louis 4D	DM Data Quality Chaole	
5. Level 1B f	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 c	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 in a Number of products with errors: 0	order to identify any inconsistencies and/or e	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	e and also to check the validity of Auxiliary D	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 pro	ocessing chain as missing or containing erro	rs.
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 mea	surement record. The bit value of this flag in	dicates any problems when set.
Number of products with errors: 4		
Product Tes	st Failed	Description
CS_OFFL_SIR_FDM_1B_20140217T035438_20140217T035753_B001 Atti	tude correction missing	The attitude has not been corrected
	tude correction missing	The attitude has not been corrected
	tude correction missing	The attitude has not been corrected The attitude has not been corrected
	lude correction missing	
6. Level 2 F	DM Data Quality Check	
6.1 L2 FDM Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to ensure it c	consists 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 o	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 pro		
field #29) and also within the L2 Product files (MPH field #35 and SPH field #33). They a percentage of Data Set Records free of processing errors is below the minimum accepta	are set by the FDM processor when an error	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	and 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 pro	ocessing chain as missing or containing erro	rs.
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 recor	rd. The bit value of this flag is an assessmer	t of the measurement quality by the processing chain.
Number of products with errors: 4		-
Product	Test Failed	Description
CS_OFFL_SIR_FDM_220140217T035438_20140217T035753_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220140217T053411_20140217T053501_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\_\_20140217T071337\_20140217T071405\_B001

CS\_OFFL\_SIR\_FDM\_2\_\_20140217T103659\_20140217T103946\_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_220140217T073412_20140217T074246_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_220140217T124542_20140217T124826_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_220140217T222451_20140217T224305_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. 6

0

#### Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220140217T023348_20140217T023443_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_220140217T073412_20140217T074246_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_220140217T092108_20140217T094639_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_220140217T124542_20140217T124826_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_220140217T151455_20140217T152618_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_220140217T222451_20140217T224305_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	165	0	0	0	0
SIR_FDM_2	165	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