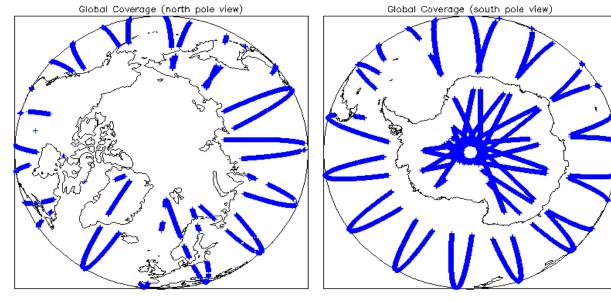
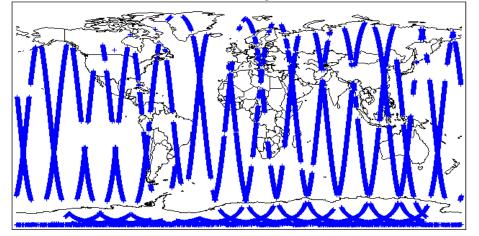


mission/mstrun	lent News
04-Feb-2014	None
05-Feb-2014	None
06-Feb-2014	Nothing planned

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 an Number of products with errors: 0	nd also to check the validity of Auxiliary	Data Files is correct.
4.4 L1 CAL Measurement Confidence Flags		
CryoSat Cal1 and Cal2 data includes a measurement confidence flag word (field 11) for ea	ch measurement record. The bit value c	of this flag indicates any problems when set.
Number of products with errors: 0		
5. Level 1B FD	OM 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	sists 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 ord Number of products with errors: 0	er to identify any inconsistencies and/or	r errors raised by the ground-segment processing chain.
5.3 L1B FDM Auxilary Data File Usage Check		
	ad also to aboat the validity of Auvilians	Data Filos is correct
Each product is checked for missing Data Set Descriptors wrt a pre-determined baseline an Number of products with errors: 0	Id also to check the validity of Auxiliary	Data Files is correct.
5.4 L1B Correction Error Flags		
Each product is checked to detect auxiliary corrections flagged by the ground-station proce Number of products with errors: 0	ssing chain as missing or containing err	rors.
5.5 L1B FDM Measurement Confidence Flags		
CryoSat L1B data includes a measurement confidence flag word (field 14) for each meas	rement record. The bit value of this flag	indicates any problems when set.
Product	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20140205T040656_20140205T041310_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20140205T054733_20140205T054957_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20140205T072811_20140205T072835_B001 CS_OFFL_SIR_FDM_1B_20140205T105213_20140205T105250_B001	Attitude correction missing Attitude correction missing	The attitude has not been corrected The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20140205T115729_20140205T121104_B001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
	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)	and 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 ord	er 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 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	set by the FDM processor when an error	or 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	Data Files is correct.
6.4 L2 FDM Correction Error Flags		
Each product is checked to detect auxiliary corrections flagged by the ground-station proce	ssing chain as missing or containing err	rors.
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.	The bit value of this flag is an assessme	ent of the measurement quality by the processing chain.
Number of products with errors: 4		
	Test Failed	Description
CS_OFFL_SIR_FDM_2_20140205T054733_20140205T054957_B001 CS_OFFL_SIR_FDM_2_20140205T072811_20140205T072835_B001	Attitude correction missing Attitude correction missing	The attitude has not been corrected The attitude has not been corrected
CS_OFFL_SIR_FDM_2201402051072611_201402051072635_6001 CS_OFFL_SIR_FDM_220140205T105213_20140205T105250_8001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220140205T115729_20140205T121104_B001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo

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.				
Number of products with errors: 2				
Product	Test Failed	Description		
CS_OFFL_SIR_FDM_220140205T133959_20140205T134808_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_220140205T232908_20140205T234505_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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220140205T002006_20140205T003544_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_220140205T133959_20140205T134808_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_220140205T135208_20140205T135657_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_220140205T232908_20140205T234505_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	173	0	0	0	0
SIR_FDM_2	171	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: