

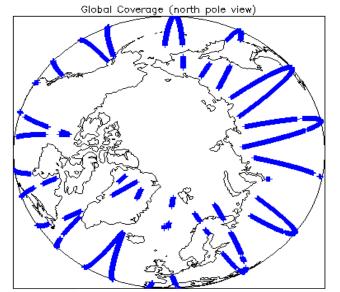
IDEAS+ Daily Report for NRT data:

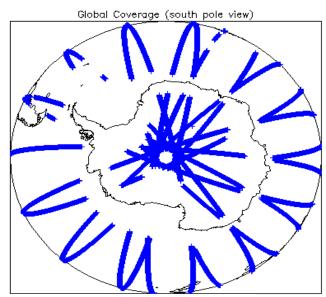
<u>12/03/2015</u>

Report Production Date:	13-Mar-2015	Check	Status	
		Server check: science-pds.cryosat.esa.int	Nominal	
Dete He e de	L1 and L2 Fast Delivery Marine Mode	Server check: calval-pds.cryosat.esa.int	Nominal	
Data Used:	(FDM), and CAL Data	Product Software Check	Nominal	
		Product Format Check	Nominal	
		Product Header Analysis	Nominal	
		Auxiliary Data File Usage	Nominal	
		Correction Error Flags	Nominal	
		Measurement Confidence Flags	See Sections 5.5, 6.5, 6.6 and 6.8	

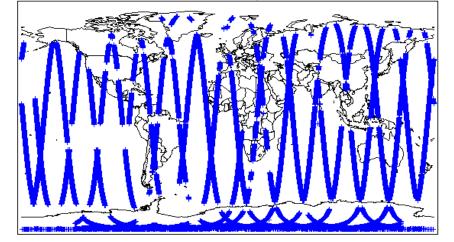
11-Mar-2015	
12-Mar-2015	None
13-Mar-2015	Nothing planned

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.

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4.3 L1 CAL Auxiliary Data File Usage Check		
Each product is checked for missing Data Set Descriptors wrt a pre-determined bas	seline and also to check the validity of Aux	iliary 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) for each measurement record. The bit va	alue of this flag indicates any problems when set.
Number of products with errors: 0		
5. Level	1B FDM Data Quality Cl	neck
5.1 L1B FDM Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to ensu	re 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 SP	H in order to identify any inconsistencies a	and/or errors raised by the ground-segment processing chain.
Number of products with errors: 0		
5.2 LAD FDM Auvilant Data File Haams Chack		
5.3 L1B FDM Auxilary Data File Usage Check		
Each product is checked for missing Data Set Descriptors wrt a pre-determined bas	seline and also to check the validity of Aux	iliary Data Files is correct.
Number of products with errors: 0		
5.4 L1B FDM Correction Error Flags		
Each product is checked to detect auxiliary corrections flagged by the ground-static	n processing chain as missing or containin	ng errors.
Number of products with errors: 0		
5.5 L1B FDM Measurement Confidence Flags		
	measurement record. The hit value of this	
CryoSat L1B data includes a measurement confidence flag word (field 14) for each Number of products with errors: 13	measurement record. The bit value of this	hag indicates any problems when set.
Product	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20150312T091504_20150312T091719_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150312T091719_20150312T091937_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150312T093734_20150312T095302_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150312T095832_20150312T101029_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150312T101601_20150312T102146_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150312T102302_20150312T102926_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150312T103435_20150312T103837_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150312T104208_20150312T104224_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150312T104403_20150312T105212_B001 CS_OFFL_SIR_FDM_1B_20150312T105239_20150312T105245_B001	Attitude correction missing Attitude correction missing	The attitude has not been corrected The attitude has not been corrected
CS_OFFL_SIR_I_DM_TB_201503121105235_201505121105245_5001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150312T134126_20150312T141707_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150312T230625_20150312T230952_B001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
C Louis	LA EDM Data Quality Ch	o o k
6. Leve	I 2 FDM Data Quality Ch	eck
6.1 L2 FDM Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to ensu Number of products with errors: 0	re it consists 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 SP	H in order to identify any inconsistencies a	and/or errors raised by the processing chain.
Currently there is a high number of processing error flags set within the Level 2 FDI #29) and also within the L2 Product files (MPH field #35 and SPH field #33). They a Data Set Records free of processing errors is below the minimum acceptable threst	are set by the FDM processor when an err	or is detected during the L2 processing and also when the percentage of
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 bas Number of products with errors: 0	seline and also to check the validity of Aux	iliary Data Files is correct.
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

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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 assessment of the measurement quality by the processing chain.

Number of products with errors: 13		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150312T091504_20150312T091719_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150312T091719_20150312T091937_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150312T093734_20150312T095302_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150312T095832_20150312T101029_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150312T101601_20150312T102146_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150312T102302_20150312T102926_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150312T103435_20150312T103837_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150312T104208_20150312T104224_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150312T104403_20150312T105212_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150312T105239_20150312T105245_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150312T105338_20150312T105505_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150312T134126_20150312T141707_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150312T230625_20150312T230952_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: 1

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150312T134126_20150312T141707_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: 0

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.

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N	lumber	of	produ	icts	with	errors:	
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Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150312T043644_20150312T043835_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_220150312T084406_20150312T091151_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_220150312T134126_20150312T141707_B001		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_220150312T163041_20150312T164620_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_220150312T171922_20150312T173159_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	155	0	0	0	0	
SIR_FDM_2	157	0	0	0	0	
7.1 QCC Errors						
Number of QCC reports with errors:	0					
7.2 Missing QCC Reports						
lumber of products with missing QCC reports: All						