

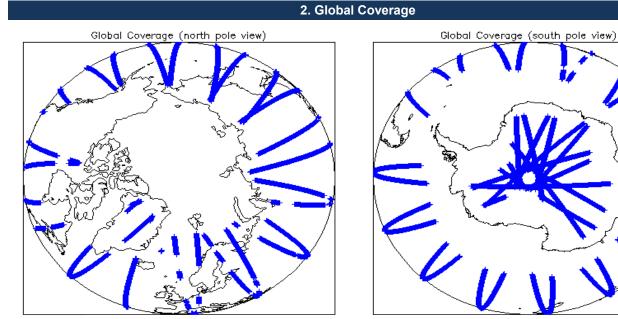
IDEAS+ Daily Report for NRT data:

<u>30/06/2015</u>

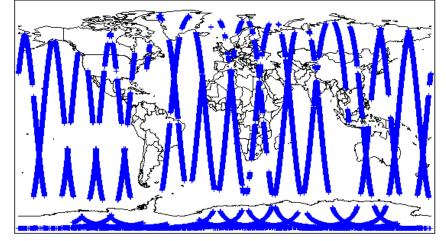
Report Production Date:	01-Jul-2015	Check	Status	
		Server check: science-pds.cryosat.esa.int	Nominal	
Data Used:	L1 and L2 Fast Delivery Marine Mode (FDM), and CAL Data	Server check: calval-pds.cryosat.esa.int	Nominal	
		Product Software Check	Nominal	
		Product Format Check	Nominal	
		Product Header Analysis	Nominal	
		Auxiliary Data File Usage	Nominal	
		Correction Error Flags	Nominal	
		Measurement Confidence Flags	See Sections 5.5 and 6.5	

1 Overview

Mission / Instrument News			
29-Jun-2015	None		
30-Jun-2015	SIRAL unavailability on 30-June-2015 from 11:20:43 to 13:07:16 due to a planned orbit manoeuvre.		
01-Jul-2015	Nothing planned		







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.

0

4.3 L1 CAL 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 Au	kiliary Data Files is correct.						
Number of products with errors: 0								
4.4 L1 CAL Measurement Confidence Flags								
	11) for each measurement record. The hit v	alue of this flag indicates any problems when set						
CryoSat Cal1 and Cal2 data includes a measurement confidence flag word (field 11) for each measurement record. The bit value of this flag indicates any problems when set. Number of products with errors: 0								
5. Lev	el 1B FDM Data Quality C	heck						
5.1 L1B 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								
5.2.1.4.D. FDM Droduct Llooder Anchusia								
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 order to identify any inconsistencies	and/or errors raised by the ground-segment processing chain.						
Number of products with errors: 0								
5.3 L1B FDM Auxilary 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 Au	kiliary 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-standard statement of products with errors: 0	ation processing chain as missing or contain	ng errors.						
5.5 L1B FDM Measurement Confidence Flags								
CryoSat L1B data includes a measurement confidence flag word (field 18) for ea	ch measurement record. The bit value of this	s flag indicates any problems when set.						
Attitude Correction Missing: In Baseline-C all FDM products are missing Attitu	ide Correction as star tracker data are not av	vailable in time for processing. This is a known issue and will be fixed in future						
releases.								
Number of products with errors: 5								
Product CS_OFFL_SIR_FDM_1B_20150630T020808_20150630T020849_C001	Attitude correction missing	Description The attitude has not been corrected						
CS_OFFL_SIR_FDM_1B_20150630T034227_20150630T034451_C001	Attitude correction missing	The attitude has not been corrected						
CS_OFFL_SIR_FDM_1B_20150630T052115_20150630T052230_C001	Attitude correction missing	The attitude has not been corrected						
CS_OFFL_SIR_FDM_1B_20150630T083632_20150630T084414_C001	Attitude correction missing	The attitude has not been corrected						
CS_OFFL_SIR_FDM_1B_20150630T171243_20150630T171829_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo						
6. Lev	vel 2 FDM Data Quality Ch	IECK						
6.1 L2 FDM Product Format Check								
Each product, retrieved and unpacked from the science server, is checked to en	sure 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	CDI Lin order te identifu envincensistensise	and/as arrays raised by the processing chain						
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 Au	kiliary 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-sta	ation processing chain as missing or contain	ng 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	nt record. The bit value of this flag is an ass	essment of the measurement quality by the processing chain.						
Attitude Correction Missing: In Baseline-C all FDM products are missing Attitu releases.	Ide Correction as star tracker data are not av	vailable in time for processing. This is a known issue and will be fixed in future						
Number of products with errors: 5								
Product	Test Failed	Description						
CS_OFFL_SIR_FDM_220150630T020808_20150630T020849_C001	Attitude correction missing	The attitude has not been corrected						
CS_OFFL_SIR_FDM_220150630T034227_20150630T034451_C001	Attitude correction missing	The attitude has not been corrected						
CS_OFFL_SIR_FDM_220150630T052115_20150630T052230_C001	Attitude correction missing	The attitude has not been corrected						
CS_OFFL_SIR_FDM_220150630T083632_20150630T084414_C001	S_OFFL_SIR_FDM_2_20150630T083632_20150630T084414_C001 Attitude correction missing The attitude has not been corrected							
CS_OFFL_SIR_FDM_220150630T171243_20150630T171829_C001	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: 0								
6.7 L2 FDM SWH and Backscatter Measurement Flags								
Each product is checked to detect	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 Geophysic	al Measurement Flags	;						
Each product is checked to detect	t geophysical measurements flag	ged by the processing chain as m	issing or containing errors.					
Number of products with errors								
		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 SIR_FDM_2	125 123	0 0	0 0	0 0	0 0			
7.1 QCC Errors								
Number of QCC reports with errors: 0								
7.2 Missing QCC Reports								
Number of products with missing QCC reports:								