

IDEAS+ Daily Report for NRT data:

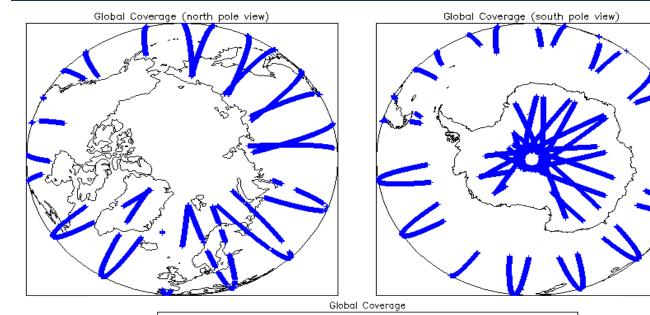
<u>26/07/2015</u>

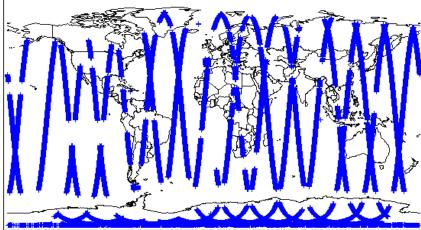
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Report Production Date:	27-Jul-2015	Check	Status	
	27-001-2010	Server check: science-pds.cryosat.esa.int	Nominal	
Data Used:	L1 and L2 Fast Delivery Marine Mode	Server check: calval-pds.cryosat.esa.int	Nominal	
Data Osed:	(FDM), and CAL Data	Product 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	

Mission / Instrument News			
25-Jul-2015	None		
26-Jul-2015	SIRAL unavailability from 26-July-2015 23:13:07 to 27-July-2015 03:27:51 due to a planned orbit manoeuvre.		
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2. 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.

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 Auxiliary 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 management record. The hit wa	lug of this flag indicated any problems when set			
Number of products with errors: 0) for each measurement record. The bit va				
5. Level	1B FDM Data Quality Ch	IECK			
5.1 L1B FDM Product Format Check					
Each product, retrieved and unpacked from the science server, is checked to ensur	e it consists of both an XML header file (.H	IDR) 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	nd/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 bas	seline and also to check the validity of Auxi	liary 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-statio Number of products with errors: 0	n processing chain as missing or containin	g errors.			
5.5 L1B FDM Measurement Confidence Flags					
CryoSat L1B data includes a measurement confidence flag word (field 18) for each	measurement record. The bit value of this	flag indicates any problems when set.			
Number of products with errors: 4					
	Test Failed	Description			
CS_OFFL_SIR_FDM_1B_20150726T012924_20150726T013523_C001 CS_OFFL_SIR_FDM_1B_20150726T045013_20150726T045038_C001	Attitude correction missing Attitude correction missing	The attitude has not been corrected The attitude has not been corrected			
CS_OFFL_SIR_FDM_1B_20150726T081422_20150726T081441_C001	Attitude correction missing	The attitude has not been corrected			
CS_OFFL_SIR_FDM_1B_20150726T225425_20150726T230850_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo			
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6. Leve	I 2 FDM Data Quality Cho	eck			
6.1 L2 FDM Product Format Check					
Each product, retrieved and unpacked from the science server, is checked to ensur	e it consists of both an XML header file (.H	IDR) 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 SP	H in order to identify any inconsistencies a	nd/or errors 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 bas	seline and also to check the validity of Auxi	liary Data Files is correct.			
Number of products with errors: 0					
6.4 L2 FDM Correction Error Flags					
	n processing chain as missing or containin	a orran			
Each product is checked to detect auxiliary corrections flagged by the ground-statio Number of products with errors: 0	riprocessing chain as missing or containin	g enois.			
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: 4					
Product CS_OFFL_SIR_FDM_220150726T012924_20150726T013523_C001	Test Failed Attitude correction missing	Description The attitude has not been corrected			
CS_OFFL_SIR_FDM_2201507261012924_201507261013923_C001 CS_OFFL_SIR_FDM_2201507261045013_201507261045038_C001	Attitude correction missing	The attitude has not been corrected			
CS_OFFL_SIR_FDM_220150726T081422_20150726T081441_C001 Attitude correction missing The attitude has not been corrected					
S_OFFL_SIR_FDM_2_20150726T225425_20150726T230850_C001 Echo error The Echo Rx1 Error flag is set, indicating a degraded raw echo					

6.6 L2 FDM Range Me	asurement Flags				
Each product is checked to detec	t range measurements flagged by	the processing chain as missing	or containing errors.		
Number of products with errors	s: 1				
Product		Test Failed		Description	
CS_OFFL_SIR_FDM_220150	726T153340_20150726T153811_	C001 OCOG Retracke	ed 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 I	Backscatter Measurem	ent Flags			
Each product is checked to detec	t parameters related to SWH and	sigma0 that are flagged by the pr	ocessing chain as missing	g or containing errors.	
Number of products with errors	s: 0				
6.8 L2 FDM Geophysic	al Measurement Flags				
Each product is checked to detec	t geophysical measurements flag	ged by the processing chain as m	issing or containing errors	5.	
Number of products with errors	s: 1				
Product		Test Failed	Test Failed Description		
CS_OFFL_SIR_FDM_220150726T153340_20150726T153811_C001		C001 Ocean Retracki	ng 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 tha provided below.	t performs a primary survey of dat	a products immediately after prod	uction by the PDS and LT	A processing facilities. A list of the tests w	hich raised errors or warnings is
Product type	Nb. Products	Nb. QCC Reports	Nb. Valid	Nb. Warnings	Nb. Errors
SIR_FDM_1B SIR_FDM_2	129 127	0 0	0 0	0	0 0
7.1 QCC Errors					
Number of QCC reports with er	rors: 0				
7.2 Missing QCC Repo	orts				
Number of products with missi	ng QCC reports: All				