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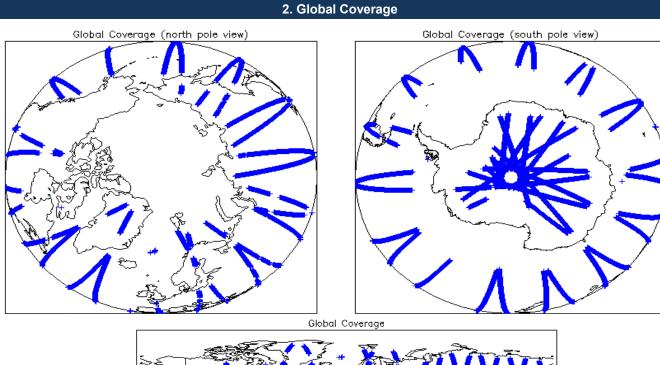
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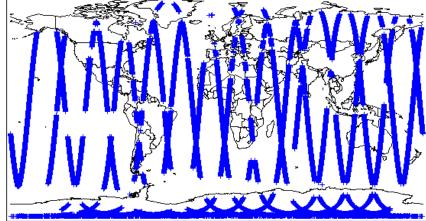
IDEAS+ Daily Report for NRT data:

<u>25/12/2014</u>

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1. Overview							
Production Date:	05-Jan-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, 6.5, 6.7 and 6.8				

Mission / Instru	iment News
24-Dec-2014	None
25-Dec-2014	None
26-Dec-2014	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.

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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 Number of products with errors: 0	seline and also to check the validity of Aux	iliary Data Files is correct.
4.4 L1 CAL Measurement Confidence Flags		
CryoSat Cal1 and Cal2 data includes a measurement confidence flag word (field 11 Number of products with errors: 0	I) for each measurement record. The bit va	alue of this flag indicates any problems when set.
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 beader 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 Number of products with errors: 0	PH in order to identify any inconsistencies a	and/or 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 ba	seline and also to check the validity of Aux	iliary Data 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-static Number of products with errors: 0	on processing chain as missing or containin	ng errors.
5.5 L1B FDM Measurement Confidence Flags		
CryoSat L1B data includes a measurement confidence flag word (field 14) for each	measurement record. The bit value of this	flag indicates any problems when set
Number of products with errors: 3		······································
Product	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20141225T114250_20141225T114331_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20141225T131948_20141225T131949_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20141225T145623_20141225T145753_B001	Attitude correction missing	The attitude has not been corrected
6. Leve	el 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	re it concists of both on XML boader file ()	UDD) and a binany product file (DDI)
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	PH 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 FD #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 three	are set by the FDM processor when an error	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 ba	seline and also to check the validity of Aux	iliary 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-static Number of products with errors: 0	on processing chain as missing or containin	ng errors.
6.5 L2 FDM Measurement Confidence Flags		
CryoSat L2 data includes a quality flag word (field 8) for each 20-Hz measurement Number of products with errors: 3	record. The bit value of this flag is an asse	essment of the measurement quality by the processing chain.
Product	Test Failed	Description
CS_OFFL_SIR_FDM_220141225T114250_20141225T114331_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220141225T131948_20141225T131949_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220141225T145623_20141225T145753_B001	Attitude correction missing	The attitude has not been corrected
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. 0

Number of products with errors:

ach product is checked to detec	t parameters related to SWH and sig	ma0 that are flagged by the pro	ocessing chain as missing or cor	taining errors.		
umber of products with errors	:: 1					
Product	roduct		Descr	Description		
_OFFL_SIR_FDM_220141225T165619_20141225T173006_B001		1 OCOG Backscat	ter Status Flag indicat	The master fail flag is set by the CFI call, for one or more recom- indicating the values stored in fields #47, #48, #49 and #50 sho ignored for these records.		
6.8 L2 FDM Geophysic	al Measurement Flags					
Each product is checked to detec	t geophysical measurements flagged	by the processing chain as mi	ssing or containing errors.			
Number of products with errors		,	<u> </u>			
tamoer of products with errors						
Product		Test Failed	est Failed Description			
CS_OFFL_SIR_FDM_220141225T124749_20141225T131504_B001		1 Ocean Retrackin		The Ocean Retracking Quality Flag is set indicating the CFI Oce Retracker was not successfully executed for one or more record		
CS_OFFL_SIR_FDM_220141225T202153_20141225T203128_B001		1 Ocean Retrackin		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 provided below.	performs a primary survey of data p	oducts immediately after produ	uction by the PDS and LTA proce	essing facilities. A list of the tests wi	nich raised errors or warning	
Product type	Nb. Products	Nb. QCC Reports	Nb. Valid	Nb. Warnings	Nb. Errors	
SIR_FDM_1B SIR_FDM_2	158 158	0	0	0	0	
	100	v	U U	v	U U	
7.1 QCC Errors						
lumber of QCC reports with er	rors: 0					