

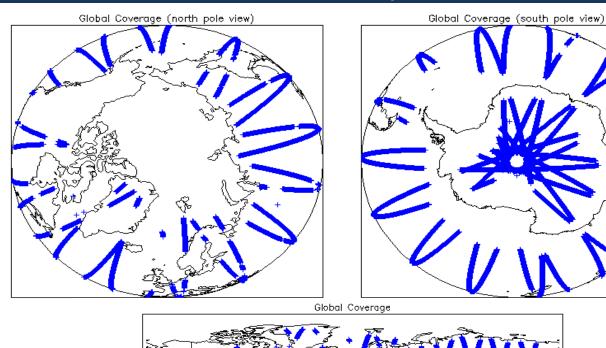
IDEAS+ Daily Report for NRT data:

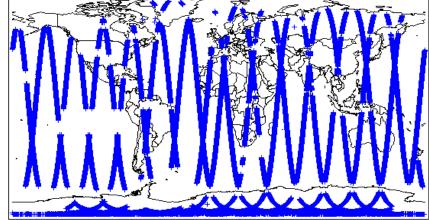
<u>08/04/2015</u>

1. Overview					
Demost Draduction Date:	00.4mm 2015	Check	Status		
Report Production Date:	09-Apr-2015	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 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		

2. Global Coverage

Mission / Instru	ment News
07-Apr-2015	SIRAL unavailability on 7-April-2015 from 18:00:51 to 18:57:27 due to a planned orbit manoeuvre.
08-Apr-2015	None
09-Apr-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

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:

o racinity any inconsistencies an

4.0 ET OAE Auxiliary Data The Obage V	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 cor	-) for each measurement record. The bit val	ue of this flag indicates any problems when set.		
Number of products with errors:	0				
	5. Level	1B FDM Data Quality Ch	eck		
5.1 L1B FDM Product Format Check		-			
Each product, retrieved and unpacked from the science s	server is checked to ensur	re it consists of both an XML beader file (H	DR) and a binary product file (DRI)		
	0				
5.2 L1B FDM Product Header Analysis					
		H in order to identify any inconsistencies or	ad/or orrors relead by the ground ecoment processing sheir		
		In the longer to identify any inconsistencies at	d/or errors raised by the ground-segment processing chain.		
5.3 L1B FDM Auxilary Data File Usage					
Each product is checked for missing Data Set Descriptor Number of products with errors:	s wrt a pre-determined bas	seline and also to check the validity of Auxil	ary Data Files is correct.		
5.4 L1B FDM Correction Error Flags					
Each product is checked to detect auxiliary corrections fla		n processing chain as missing or containing	g errors.		
Number of products with errors:	0				
5.5 L1B FDM Measurement Confidenc	e Flags				
CryoSat L1B data includes a measurement confidence fla	ag word (field 14) for each	measurement record. The bit value of this	flag indicates any problems when set.		
Number of products with errors:	1				
Product CS_OFFL_SIR_FDM_1B_20150408T163754_20150408	T163011_C001	Test Failed Echo error	Description		
C3_0FFL_3IK_FDIVI_1B_201304081103754_20130408	1103911_0001	ECHO EHOI	The Echo Rx1 Error flag is set, indicating a degraded raw echo		
	6. Leve	I 2 FDM Data Quality Che	eck		
6.1 L2 FDM Product Format Check	6. Leve	I 2 FDM Data Quality Che	eck		
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Each product, retrieved and unpacked from the science s Number of products with errors:	server, is checked to ensur	re it consists of both an XML header file (.H	DR) and a binary product file (.DBL)		
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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:	3

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150408T011704_20150408T011731_C001	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_220150408T022417_20150408T023954_C001	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_220150408T182221_20150408T184152_C001	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. 0

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150408T011704_20150408T011731_C001		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_220150408T022417_20150408T023954_C001	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_220150408T145201_20150408T150604_C001		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_220150408T182221_20150408T184152_C001	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	149	0	0	0	0
SIR_FDM_2	149	0	0	0	0
7.1 QCC Errors					
Number of QCC reports with err	rors: 0	I			
7.2 Missing QCC Repo	rts				
Number of products with missir	ng QCC reports: All	1			
	.g 200 roportor / //				