

IDEAS+ Daily Report for NRT data:

28/04/2015

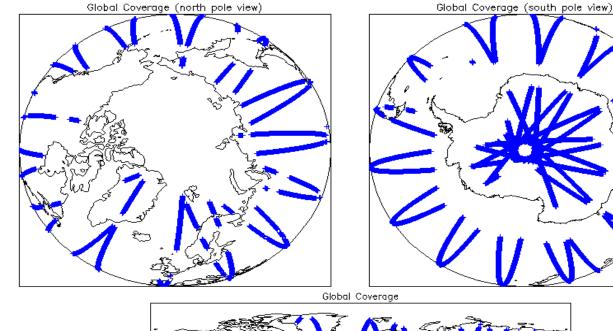
Report Production Date:	29-Apr-2015	Check	Status	
		Server check: science-pds.cryosat.esa.int	Nominal	
Data Used:	L1 and L2 Fast Delivery Marine Mode	Server check: calval-pds.cryosat.esa.int	Nominal	
	(FDM), and CAL Data	Product Software Check	Nominal	
		Product Format Check	Nominal	
		Product Header Analysis	Nominal	
		Auxiliary Data File Usage	Nominal	
		Correction Error Flags	Nominal	
		Measurement Confidence Flags	See Sections 6.6 and 6.8	

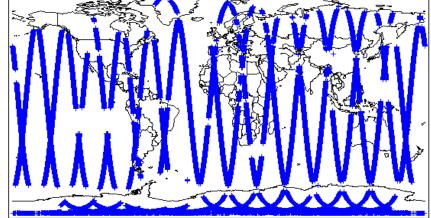
1 Overview

27-Apr-2015	None
28-Apr-2015	None
29-Apr-2015	Nothing planned

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2. Global Coverage





3. Instrument Configuration

The SIRAL instrument configuration for the day of acquisition is provided below.

SIRAL - A SIRAL instrument(s) in use:

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.

4.3 L1 CAL Auxiliary Data File Us	sage Check		
Each product is checked for missing Data Set De Number of products with errors:	escriptors wrt a pre-determined bas 0	eline and also to check the validity of Auxi	liary Data Files is correct.
4.4 L1 CAL Measurement Confid	ence Flags		
CryoSat Cal1 and Cal2 data includes a measure	ment confidence flag word (field 11) for each measurement record. The bit va	lue of this flag indicates any problems when set.
Number of products with errors:	0		
	5. Level	1B FDM Data Quality Ch	leck
5.1 L1B FDM Product Format Ch	eck		
Each product, retrieved and unpacked from the s	science server, is checked to ensur	e it consists of both an XML header file (.F	IDR) and a binary product file (.DBL).
Number of products with errors:	0		
5.2 L1B FDM Product Header An	alysis		
		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 L	Jsage Check		
Each product is checked for missing Data Set De	-	seline and also to check the validity of Auxi	liarv Data Files is correct.
Number of products with errors:	0	·····, ····, ····,	
5.4 L1B FDM Correction Error Fl	ags		
Each product is checked to detect auxiliary corre	-	n processing chain as missing or containin	a errors.
Number of products with errors:	0	,	
5.5 L1B FDM Measurement Conf	idence Flags		
CryoSat L1B data includes a measurement confi		measurement record. The bit value of this	flag indicates any problems when set.
Attitude Correction Missing: In Baseline-C all releases.	FDM products are missing Attitude	Correction as star tracker data are not ava	ailable in time for processing. This is a known issue and will be fixed in future
Number of products with errors:	0		
	6 Leve	I 2 FDM Data Quality Cho	eck
6.1 L2 FDM Product Format Che			
	• • •	a it and interaction of the state and NAM, the and an file ()	
Each product, retrieved and unpacked from the s Number of products with errors:			
6.2 L2 FDM Product Header Anal	lvsis		
For all products, a series of pre-defined checks a	,	H in order to identify any inconsistencies a	nd/or errors raised by the processing chain
Number of products with errors:			
6.3 L2 FDM Auxiliary Data File U	sage Check		
Each product is checked for missing Data Set De	-	seline and also to check the validity of Auxi	liarv Data Files is correct.
Number of products with errors:	0	,	
6.4 L2 FDM Correction Error Flag	qs		
Each product is checked to detect auxiliary corre		n processing chain as missing or containin	g errors.
Number of products with errors:	0		-
6.5 L2 FDM Measurement Confid	lence Flags		
CryoSat L2 data includes a quality flag word (field	d 8) for each 20-Hz measurement r	ecord. The bit value of this flag is an asses	ssment of the measurement quality by the processing chain.
	FDM products are missing Attitude	Correction as star tracker data are not ava	ailable in time for processing. This is a known issue and will be fixed in future
releases. Number of products with errors:	0		
6.6 L2 FDM Range Measurement	Flags		
Each product is checked to detect range measure	•	chain as missing or containing errors	
Number of products with errors:	2	onam as missing or containing crois.	
Product		Test Failed	Description
CS_OFFL_SIR_FDM_220150428T115907_20	0150428T123036_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
CS_OFFL_SIR_FDM_220150428T183121_20	0150428T184256_C001	OCOG Retracked Range Flag	ignored for these records. 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

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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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150428T002104_20150428T003818_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_220150428T065717_20150428T072608_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_220150428T115505_20150428T115904_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_220150428T115907_20150428T123036_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_220150428T143219_20150428T144242_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_220150428T183121_20150428T184256_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_220150428T201035_20150428T204437_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	142	0	0	0	0
SIR_FDM_2	147	0	0	0	0
1 QCC Errors					
umber of QCC reports with er	rors: ()			-
2 Missing QCC Repo	orts				
umber of products with missi	ng QCC reports: A	1			