

IDEAS+ Daily Report for NRT data:

<u>12/07/2015</u>



1. Overview

Papart Braduation Data	13-Jul-2015	Check	Status	
Report Production Date:	13-Jui-2015	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	
Data Used:		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	

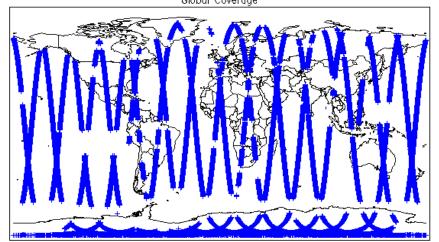
2. Global Coverage

11-Jul-2015	None
12-Jul-2015	None
13-Jul-2015	Nothing planned

 Global Coverage (north pole view)
 Global Coverage (south pole view)

 Global Coverage (south pole view)
 Image: south pole view)

 Image: south pole view)
 Image:



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-determine	d 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 (fie	eld 11) for each measurement record. Th	e bit value of this flag indicates any problems when set.
Number of products with errors: 0		
5. Le	vel 1B FDM Data Qualit	y Check
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 heade	r 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 an	d SPH in order to identify any inconsiste	encies 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-determine	d baseline and also to check the validity	of Auxiliary 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-	station processing chain as missing or c	ontaining errors.
Number of products with errors: 0		
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	e of this flag indicates any problems when set.
Number of products with errors: 5		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20150712T003209_20150712T004715_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_1B_20150712T015231_20150712T015321_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150712T050616_20150712T050744_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150712T082257_20150712T083027_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150712T222119_20150712T223158_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
6. Le	evel 2 FDM Data Quality	/ Check
6.1 L2 FDM Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to Number of products with errors: 0	ensure it consists of both an XML heade	r file (.HDR) and a binary product file (.DBL)
C 2 L 2 FDM Product Hander Anchoria		
6.2 L2 FDM Product Header Analysis		
For all products, a series of pre-defined checks are carried out on the MPH an Number of products with errors: 0	d SPH in order to identify any inconsiste	ncies and/or errors raised by the processing chain.
6.3 L2 FDM Auxiliary Data File Usage Check		
		e d'Annille e Dele Elles is semeste
Each product is checked for missing Data Set Descriptors wrt a pre-determine Number of products with errors: 0	d baseline and also to check the validity	of Auxiliary Data Files is correct.
6.4 L2 FDM Correction Error Flags		
Each product is checked to detect auxiliary corrections flagged by the ground-	station processing chain as missing or c	ontaining errors.
Number of products with errors: 0		
6.5 L2 FDM Measurement Confidence Flags		
CryoSat L2 data includes a quality flag word (field 8) for each 20-Hz measuren Number of products with errors: 5	nent record. The bit value of this flag is a	an assessment of the measurement quality by the processing chain.
•	Toot Foiled	Description
		The attitude has not been corrected
	-	The attitude has not been corrected
	-	
	Echo error	
Product CS_OFFL_SIR_FDM_220150712T003209_20150712T004715_C001 CS_OFFL_SIR_FDM_2_20150712T015231_20150712T015321_C001 CS_OFFL_SIR_FDM_2_20150712T050616_20150712T050744_C001 CS_OFFL_SIR_FDM_2_20150712T082257_20150712T083027_C001 CS_OFFL_SIR_FDM_2_20150712T082257_20150712T083027_C001 CS_OFFL_SIR_FDM_2_20150712T222119_20150712T223158_C001	Test Failed Echo error Attitude correction missing Attitude correction missing Attitude correction missing Echo error	

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.

3

Number of products with errors:	

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150712T021604_20150712T022629_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_220150712T065235_20150712T065310_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_220150712T201948_20150712T205027_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. Number of products with errors: 0

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.

7

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150712T021604_20150712T022629_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_2_20150712T065235_20150712T065310_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_220150712T151934_20150712T152556_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_220150712T161145_20150712T164441_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_220150712T193501_20150712T200618_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_220150712T201948_20150712T205027_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_220150712T213055_20150712T214503_C001	U-Wind, V-Wind Quality Flag	The U- and V-Wind Quality Flag is set indicating that these components were 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	143	0	0	0	0
SIR_FDM_2	142	0	0	0	0
7.1 QCC Errors					
Number of QCC reports with err	rors: 0				
7.2 Missing QCC Reports					
Number of products with missir	ng QCC reports: All				