

IDEAS+ Daily Report for NRT data:

<u>14/07/2015</u>



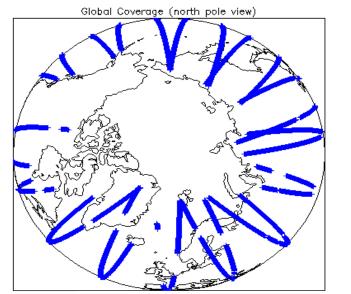
1. Overview

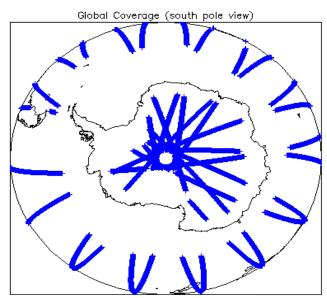
Panart Braduction Data	15-Jul-2015	Check	Status	
Report Production Date:		Server check: science-pds.cryosat.esa.int	Nominal	
Data Used:	L1 and L2 Fast Delivery Marine Mode	Server check: calval-pds.cryosat.esa.int	Nominal	
Data Used:	(FDM), and CAL Data	Product Software Check	Nominal	
		Product Format 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, 6.7 and 6.8	

10 001 2010	
14-Jul-2015	None
15-Jul-2015	Nothing planned

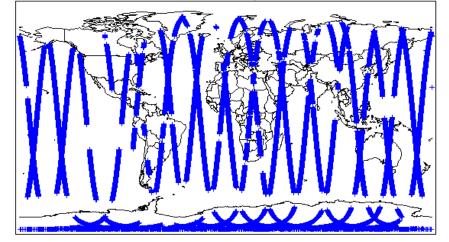
15-Jul-2015	Nothing planned

2. Global Coverage





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-determin	ed baseline and also to check the validity o	of Auxiliary Data Files is correct.
Number of products with errors: 0		
4.4 L1 CAL Measurement Confidence Flags		
	ald 11) for each measurement record. The	hit volue of this flow indicates only weblance when est
CryoSat Cal1 and Cal2 data includes a measurement confidence flag word (find the second secon	eid TT) för each measurement record. The	on value of this hag indicates any problems when set.
5. Le	evel 1B FDM Data Quality	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 header	file (.HDR) and a binary product file (.DBL).
Number of products with errors: 0		
5.2 L1B FDM Product Header Analysis		
· · · · · · · · · · · · · · · · · · ·	nd CDI Lin ander to identify any inconsister	
For all products, a series of pre-defined checks are carried out on the MPH a Number of products with errors: 0	nd SPH in order to identify any inconsisten	cies 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-determin	ed baseline and also to check the validity of	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 co	ntaining errors.
Number of products with errors: 0		- -
5.5.1.4.D. EDM Macaurament Confidence Flore		
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.
lumber of products with errors: 5		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20150714T015002_20150714T015047_C001 CS_OFFL_SIR_FDM_1B_20150714T050355_20150714T050517_C001	Attitude correction missing Attitude correction missing	The attitude has not been corrected The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150714T082040_20150714T082811_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150714T082811_20150714T082811_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150714T193227_20150714T200356_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
6.1	evel 2 FDM Data Quality	Check
	ever 2 i Din Data Quanty	
6.1 L2 FDM 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: 0		
6.2 L2 FDM Product Header Analysis		
For all products, a series of pre-defined checks are carried out on the MPH a	nd SPH in order to identify any inconsisten	cies and/or errors raised by the processing chain.
Number of products with errors: 0		
6.3 L2 FDM Auxiliary Data File Usage Check	ad baceline and also to chack the validity of	of Auvilian/Data Files is correct
6.3 L2 FDM Auxiliary Data File Usage Check	ed baseline and also to check the validity o	of Auxiliary Data Files is correct.
5.3 L2 FDM Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors wrt a pre-determin Number of products with errors: 0	ed baseline and also to check the validity o	of Auxiliary Data Files is correct.
6.3 L2 FDM Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors wrt a pre-determin Number of products with errors: 0	ed baseline and also to check the validity o	of Auxiliary Data Files is correct.
6.3 L2 FDM Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors wrt a pre-determin 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		
6.3 L2 FDM Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors wrt a pre-determin Mumber of products with errors: 0 6.4 L2 FDM Correction Error Flags Each product is checked to detect auxiliary corrections flagged by the ground		
6.3 L2 FDM Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors wrt a pre-determin 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 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-determin 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 Number of products with errors: 0 6.5 L2 FDM Measurement Confidence Flags	-station processing chain as missing or co	ntaining errors.
3.3 L2 FDM Auxiliary Data File Usage Check ach product is checked for missing Data Set Descriptors wrt a pre-determin lumber of products with errors: 0 3.4 L2 FDM Correction Error Flags ach product is checked to detect auxiliary corrections flagged by the ground umber of products with errors: 0 5.5 L2 FDM Measurement Confidence Flags CryoSat L2 data includes a quality flag word (field 8) for each 20-Hz measure	-station processing chain as missing or co	ntaining errors.
6.3 L2 FDM Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors wrt a pre-determin 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 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 measure Number of products with errors: 4	-station processing chain as missing or co	ntaining errors.
6.3 L2 FDM Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors wrt a pre-determin 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 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 measure Number of products with errors: 4 Product	-station processing chain as missing or co ment record. The bit value of this flag is ar	ntaining errors.
6.3 L2 FDM Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors wrt a pre-determin 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 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 measure Number of products with errors: 4 Product CS_OFFL_SIR_FDM_2_20150714T015002_20150714T015047_C001 CS_OFFL_SIR_FDM_2_20150714T050355_20150714T050517_C001	-station processing chain as missing or co ment record. The bit value of this flag is an Test Failed Attitude correction missing Attitude correction missing	ntaining errors. n assessment of the measurement quality by the processing chain. Description The attitude has not been corrected The attitude has not been corrected
6.3 L2 FDM Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors wrt a pre-determin 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 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 measure	-station processing chain as missing or co ment record. The bit value of this flag is ar Test Failed Attitude correction missing	ntaining errors. n assessment of the measurement quality by the processing chain. Description 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.			
Number of products with errors: 2			
Product	Test Failed	Description	
CS_OFFL_SIR_FDM_220150714T051048_20150714T051305_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_220150714T190012_20150714T191026_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.

Product Test Failed Description CS_OFFL_SIR_FDM_2_20150714T212828_20150714T214239_C001 OCOG Backscatter Status Flag The master fail flag is set by the CFI call, for one or mu indicating the values stored in fields #47, #48, #49 and	

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.

0

All

3

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150714T051048_20150714T051305_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_220150714T190012_20150714T191026_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_220150714T210655_20150714T212348_C001		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	123	0	0	0	0
SIR_FDM_2	122	0	0	0	0
7.1 QCC Errors					

Number of QCC reports with errors:

7.2 Missing QCC Reports

Number of products with missing QCC reports: