

IDEAS+ Daily Report for NRT data:

<u>07/05/2015</u>

Report Production Date:	15-May-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 5.5, 6.5, 6.6 and 6.8

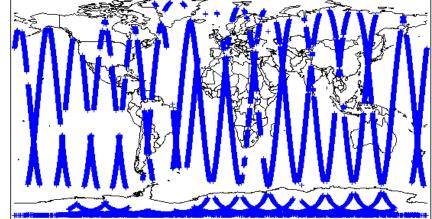
2. Global Coverage

Mission / Instrument News		
06-May-2015	SIRAL unavailability on 6-May-2015 from 03:11:00 to 08:12:32; and from 15:44:00 to 18:55:15 due to planned instrument roll manoeuvres.	
07-May-2015	None	
08-May-2015	Nothing planned	

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

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

 Global Coverage
 Global Coverage (south pole view)



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.

4.3 L1 CAL Auxiliary Data File Usag	ge Check		
Each product is checked for missing Data Set Descu Number of products with errors:	riptors wrt a pre-determined b	paseline and also to check the	ne validity of Auxiliary Data Files is correct.
4.4 L1 CAL Measurement Confiden	nce Flags		
CryoSat Cal1 and Cal2 data includes a measuremen Number of products with errors:	nt confidence flag word (field)	11) for each measurement r	ecord. The bit value of this flag indicates any problems when set.
	5. Leve	el 1B FDM Data	Quality Check
5.1 L1B FDM Product Format Chec	:k		
Each product, retrieved and unpacked from the scie	ence server, is checked to ens	sure it consists of both an X	ML header file (.HDR) and a binary product file (.DBL).
Number of products with errors:	0		
5.2 L1B FDM Product Header Analy	ysis		
For all products, a series of pre-defined checks are on Number of products with errors:	carried out on the MPH and S 0	SPH in order to identify any i	nconsistencies and/or errors raised by the ground-segment processing chain.
5.3 L1B FDM Auxilary Data File Usa	age Check		
Each product is checked for missing Data Set Descr Number of products with errors:	riptors wrt a pre-determined b 0	paseline and also to check the	ne validity of Auxiliary Data Files is correct.
5.4 L1B FDM Correction Error Flag	IS		
Each product is checked to detect auxiliary correction Number of products with errors:	ons flagged by the ground-stat	tion processing chain as mi	ssing or containing errors.
5.5 L1B FDM Measurement Confide	ence Flags		
		de Correction as star tracke	e bit value of this flag indicates any problems when set. r data are not available in time for processing. This is a known issue and will be fixed in futu
Product CS_OFFL_SIR_FDM_1B_20150507T182028_2015	0507T185635_C001	Test Failed Echo error	Description The Echo Rx1 Error flag is set, indicating a degraded raw echo
	_		
	6. Lev	el 2 FDM Data C	luality Check
6.1 L2 FDM Product Format Check			
Each product, retrieved and unpacked from the scie Number of products with errors:	ence server, is checked to ens	sure it consists of both an X	ML header file (.HDR) and a binary product file (.DBL)
6.2 L2 FDM Product Header Analys	sis		
For all products, a series of pre-defined checks are on Number of products with errors:	carried out on the MPH and S	SPH in order to identify any i	nconsistencies and/or errors raised by the processing chain.
6.3 L2 FDM Auxiliary Data File Usa	ge Check		
Each product is checked for missing Data Set Descr Number of products with errors:	riptors wrt a pre-determined b	baseline and also to check th	ne validity of Auxiliary Data Files is correct.
6.4 L2 FDM Correction Error Flags			
Each product is checked to detect auxiliary correction	ons flagged by the ground-stat	tion processing chain as mi	ssing or containing errors.
Number of products with errors:	0		
6.5 L2 FDM Measurement Confider	nce Flags		
CryoSat L2 data includes a quality flag word (field 8)) for each 20-Hz measuremen	nt record. The bit value of th	is flag is an assessment of the measurement quality by the processing chain.
Attitude Correction Missing: In Baseline-C all FDM releases.	M products are missing Attitud	de Correction as star tracke	r data are not available in time for processing. This is a known issue and will be fixed in futu
Number of products with errors:	1		
Product CS OFFL SIR FDM 2 20150507T182028 20150	0507T185635_C001	Test Failed Echo error	Description The Echo Rx1 Error flag is set, indicating a degraded raw echo

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_220150507T152219_20150507T153711_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_220150507T192402_20150507T194447_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_220150507T232640_20150507T235015_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.

0

All

5

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_2_20150507T082714_20150507T090056_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_20150507T143156_20150507T144432_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_220150507T192402_20150507T194447_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_220150507T222904_20150507T230142_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_20150507T232640_20150507T235015_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	140	0	0	0	0
SIR_FDM_2	140	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: