

IDEAS+ Daily Report for NRT data:

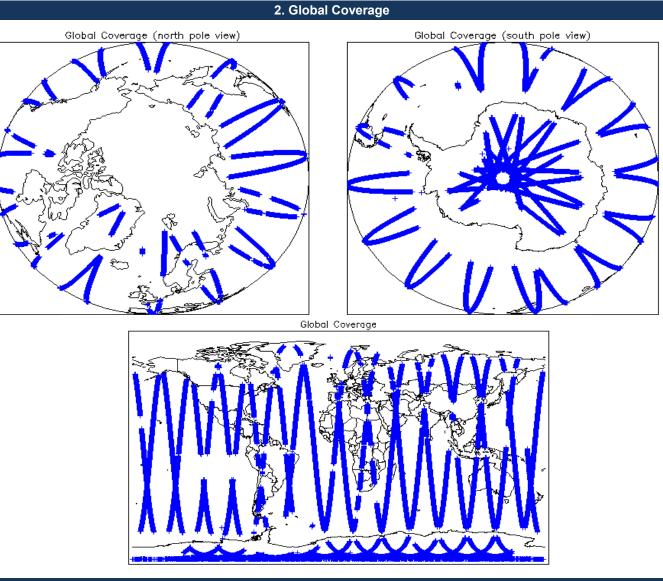
<u>18/04/2015</u>

Panart Braduation Data	20-Apr-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 Useu.	(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	

Overview

18-Apr-2015	None		
10 4 == 2015	Mathing planned		

19-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.

4.3 L1 CAL Auxiliary Data File Usag	e Check		
Each product is checked for missing Data Set Descr		seline and also to check the validity of Aux	iliary Data Files is correct
Number of products with errors:	0	,	
4.4 L1 CAL Measurement Confiden	co Elage		
CryoSat Cal1 and Cal2 data includes a measuremen Number of products with errors:	0) for each measurement record. The bit va	alue of this hag indicates any problems when set.
	5. Level	1B FDM Data Quality Ch	1eck
5.1 L1B FDM Product Format Chec	k		
Each product, retrieved and unpacked from the scien	nce server, is checked to ensur	re it consists of both an XML header file (.h	HDR) and a binary product file (.DBL).
Number of products with errors:	0		
5.2 L1B FDM Product Header Analy	sis		
For all products, a series of pre-defined checks are c	arried out on the MPH and SP	H in order to identify any inconsistencies a	and/or errors raised by the ground-segment processing chain.
Number of products with errors:	0		
5.3 L1B FDM Auxilary Data File Usa	ge Check		
Each product is checked for missing Data Set Descr	-	seline and also to check the validity of Aux	iliany Data Files is correct
Number of products with errors:	0		
5.4 L1B FDM Correction Error Flage			
Each product is checked to detect auxiliary correction	ns flagged by the ground-statio	n processing chain as missing or containir	ng errors.
Number of products with errors:	0		
5.5 L1B FDM Measurement Confide	nce Flags		
CryoSat L1B data includes a measurement confiden	ce flag word (field 18) for each	measurement record. The bit value of this	flag indicates any problems when set.
Number of products with errors:	1		
	A497455794 C004	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20150418T155415_20150	4181155721_0001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
	6. Leve	I 2 FDM Data Quality Ch	eck
6.1 L2 FDM Product Format Check			
Each product, retrieved and unpacked from the scier	nce server, is checked to ensur	re it consists of both an XML header file (.F	HDR) and a binary product file (.DBL)
Number of products with errors:	0		
6.2 L2 FDM Product Header Analys	is		
For all products, a series of pre-defined checks are c		H in order to identify any inconsistencies a	and/or arrays raised by the processing chain
Number of products with errors:		This ofder to identify any inconsistencies a	
C 2 L 2 FDM Auxiliant Data File Use	na Chaole		
6.3 L2 FDM Auxiliary Data File Usag			
Each product is checked for missing Data Set Descr Number of products with errors:	iptors wrt a pre-determined bas	seline and also to check the validity of Aux	iliary Data Files is correct.
Number of products with errors.			
6.4 L2 FDM Correction Error Flags			
Each product is checked to detect auxiliary correction		n processing chain as missing or containir	ng errors.
Number of products with errors:	0		
6.5 L2 FDM Measurement Confiden	ce Flags		
CryoSat L2 data includes a quality flag word (field 8)	for each 20-Hz measurement r	record. The bit value of this flag is an asse	ssment of the measurement quality by the processing chain.
Number of products with errors:	1		
Product		Test Failed	Description
CS_OFFL_SIR_FDM_220150418T155415_20150	418T155721_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
6.6 L2 FDM Range Measurement FI	ags		
Each product is checked to detect range measureme	ents flagged by the processing	chain as missing or containing errors.	
Number of products with errors:	2		
Product		Test Failed	Description
CS_OFFL_SIR_FDM_220150418T053101_20150	418T055013_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_220150418T220214_20150	418T222435_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 detec	t parameters related to SWH and	sigma0 that are fl	agged by the pr	ocessing chain as missin	ng or contai	ning errors.	
Number of products with errors	s: 0						
6.8 L2 FDM Geophysic	al Measurement Flags						
Each product is checked to detec	t geophysical measurements flage	ged by the process	sing chain as m	issing or containing errors	s.		
Number of products with errors	:: 1						
Product		1	Test Failed		Descripti	on	
CS_OFFL_SIR_FDM_220150418T053101_20150418T055013_C001		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.		
			7 000	Chook			
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 SIR_FDM_2	153 151	0		0 0		0	0 0
7.1 QCC Errors							
Number of QCC reports with er	rors: 0						
7.2 Missing QCC Repo	orts						
Number of products with missi	ng QCC reports: All						