

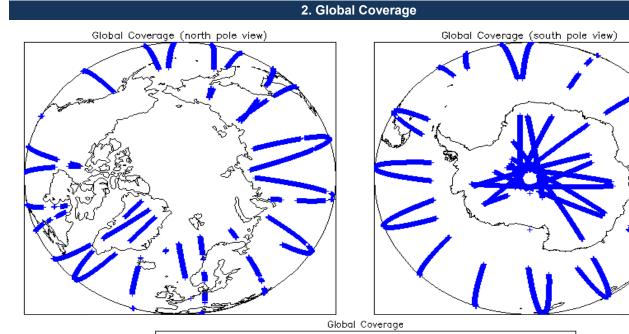
IDEAS+ Daily Report for NRT data:

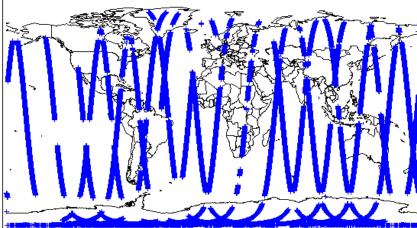
<u>28/05/2015</u>

Report Production Date:	29-May-2015	Check	Status	
Report Production Date.		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	
		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

N	Vission / Instrument News		
	27-May-2015	None	
	28-May-2015	None	
	29-May-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.

0

4.2.1.4.CAL Auxiliany Data File Lloa	ao Chook		
4.3 L1 CAL Auxiliary Data File Usa	-		
Each product is checked for missing Data Set Desc Number of products with errors:	criptors wrt a pre-determined ba	aseline and also to check the validity of	Auxiliary Data Files is correct.
4.4 L1 CAL Measurement Confider	1ce Flags		
		1) for each measurement record. The b	bit value of this flag indicates any problems when set.
Number of products with errors:	0		
	5. Leve	I 1B FDM Data Quality	Check
5.1 L1B FDM Product Format Chee	ck .		
Each product, retrieved and unpacked from the scie	ence server, is checked to ensi	ure it consists of both an XML header fi	le (.HDR) and a binary product file (.DBL).
Number of products with errors:	0		
5.2 L1B FDM Product Header Anal	vsis		
	•	PH in order to identify any inconsistenci	es and/or errors raised by the ground-segment processing chain.
Number of products with errors:	0		
5 2 L 4D EDM Auvilant Data File Lla	ana Chaak		
5.3 L1B FDM Auxilary Data File Us	-		
Each product is checked for missing Data Set Desc Number of products with errors:	criptors wrt a pre-determined ba	aseline and also to check the validity of	Auxiliary Data Files is correct.
Number of products with errors.			
5.4 L1B FDM Correction Error Flag	js		
Each product is checked to detect auxiliary correction		ion processing chain as missing or cont	aining errors.
Number of products with errors:	0		
5.5 L1B FDM Measurement Confid	ence Flags		
CryoSat L1B data includes a measurement confide	nce flag word (field 18) for each	h measurement record. The bit value of	this flag indicates any problems when set.
Attitude Correction Missing: In Baseline-C all FD releases.	M products are missing Attitude	e Correction as star tracker data are no	t available in time for processing. This is a known issue and will be fixed in future
Number of products with errors:	2		
Product		Test Failed	Description
CS_OFFL_SIR_FDM_1B_20150528T134517_2015	50528T134936_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_1B_20150528T170506_2015	30528T171033_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
	6. Lev	el 2 FDM Data Quality (Check
6.1 L2 FDM Product Format Check		•	
Each product, retrieved and unpacked from the scie		ure it consists of both an XML beader fi	le (HDR) and a binary product file (DRI)
Number of products with errors:	0		
COLO FOM Due du et lle e deu Auselu			
6.2 L2 FDM Product Header Analys			
For all products, a series of pre-defined checks are Number of products with errors:	carried out on the MPH and SI	PH in order to identify any inconsistenci	es and/or errors raised by the processing chain.
-			
6.3 L2 FDM Auxiliary Data File Usa	ige Check		
Each product is checked for missing Data Set Desc		aseline and also to check the validity of	Auxiliary Data Files is correct.
Number of products with errors:	0		
6.4 L2 FDM Correction Error Flags			
Each product is checked to detect auxiliary correction	ons flagged by the ground-stati	ion processing chain as missing or cont	aining errors.
Number of products with errors:	0		
6.5 L2 FDM Measurement Confide	nce Flags		
CryoSat L2 data includes a quality flag word (field 8) for each 20-Hz measurement	record. The bit value of this flag is an a	assessment of the measurement quality by the processing chain.
	M products are missing Attitud	e Correction as star tracker data are no	t available in time for processing. This is a known issue and will be fixed in future
releases. Number of products with errors:	2		
Product	-	Test Failed	Description
CS_OFFL_SIR_FDM_220150528T134517_2015	0528T134936_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220150528T170506_2015	i0528T171033_C001	Echo error	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:	

Number of products with errors: 2		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150528T094008_20150528T100606_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_220150528T171520_20150528T174119_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:

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_220150528T003434_20150528T005023_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_220150528T094008_20150528T100606_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_220150528T121057_20150528T122547_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_220150528T171520_20150528T174119_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	131	0	0	0	0
SIR_FDM_2	130	0	0	0	0
7.1 QCC Errors					
Number of QCC reports with erro	o rs: 0				
7.2 Missing QCC Reports					
Number of products with missing	g QCC reports: All				