

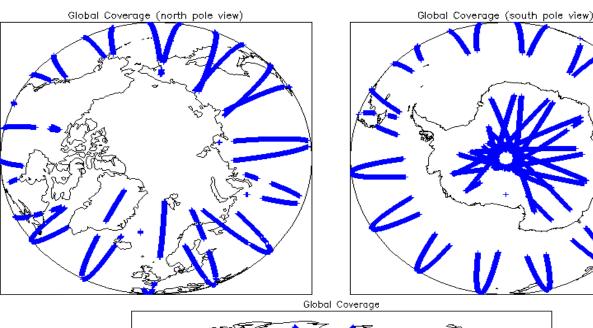
IDEAS+ Daily Report for NRT data:

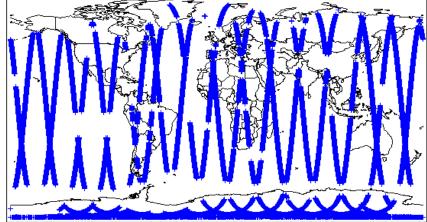
<u>21/06/2015</u>

Report Production Date:	23-Jun-2015	Check	Status	
Report Froduction 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	

2. Global Coverage

20-Jun-2015	NOTE
21-Jun-2015	
22-Jun-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	
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 C	heck		
Each product is checked for missing Data Set Descriptors	wrt a pre-determined bas	eline and also to check the validity of Aux	liary Data Files is correct.
Number of products with errors: 0			
4.4 L1 CAL Measurement Confidence F	lags		
CryoSat Cal1 and Cal2 data includes a measurement conf	-) for each measurement record. The bit va	lue of this flag indicates any problems when set.
Number of products with errors: 0		,	
	5 Lovol	1B FDM Data Quality Ch	aack
	J. Level		
5.1 L1B FDM Product Format Check			
Each product, retrieved and unpacked from the science se		e it consists of both an XML header file (.h	IDR) 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	l out on the MPH and SPI	H in order to identify any inconsistencies a	nd/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-determined bas	eline and also to check the validity of Aux	liary 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 flag	aged by the ground-station	n processing chain as missing or containir	n errors
Number of products with errors: 0			
5 5 L 4D FDM Magazine mant Confidence	Flores		
5.5 L1B FDM Measurement Confidence			
CryoSat L1B data includes a measurement confidence flag			
releases.	ucis are missing Attitude		ailable 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_20150621T014624_20150621T CS_OFFL_SIR_FDM_1B_20150621T062221_20150621T		Echo error Attitude correction missing	The Echo Rx1 Error flag is set, indicating a degraded raw echo The attitude has not been corrected
	-	-	
	6. Leve	I 2 FDM Data Quality Ch	eck
6.1 L2 FDM Product Format Check			
Each product, retrieved and unpacked from the science se	erver, is checked to ensur	e it consists of both an XML header file (.h	IDR) 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	I out on the MPH and SPI	H in order to identify any inconsistencies a	nd/or errors raised by the processing chain.
Number of products with errors: 0			
6.3 L2 FDM Auxiliary Data File Usage C	heck		
Each product is checked for missing Data Set Descriptors		eline and also to check the validity of Aux	liary Data Files is correct.
Number of products with errors: 0		,,,,,,,,,,	
6.4.1.2 EDM Correction Error Flore			
6.4 L2 FDM Correction Error Flags			
Each product is checked to detect auxiliary corrections flag Number of products with errors: 0		n processing chain as missing or containir	g errors.
6.5 L2 FDM Measurement Confidence F	lags		
		-	ssment of the measurement quality by the processing chain.
Attitude Correction Missing: In Baseline-C all FDM prod releases.	ucts are missing Attitude	Correction as star tracker data are not available	ailable 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_220150621T014624_20150621T0		Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220150621T062221_20150621T0	J62302_C001	Attitude correction missing	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.

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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150621T133140_20150621T135201_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_220150621T140724_20150621T141835_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_220150621T190554_20150621T192715_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_220150621T200304_20150621T201611_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.

Number of products with errors: 6		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150621T062302_20150621T062718_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_220150621T133140_20150621T135201_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_220150621T140724_20150621T141835_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_220150621T164301_20150621T170357_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_220150621T190554_20150621T192715_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_220150621T200304_20150621T201611_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	142	0	0	0	0
SIR_FDM_2	141	0	0	0	0
7.1 QCC Errors					
Number of QCC reports with errors: 0					
7.2 Missing QCC Reports					
Number of products with missing QCC reports: All					