

IDEAS+ Daily Report for FDM data:

15/07/2018



See Section 6.4

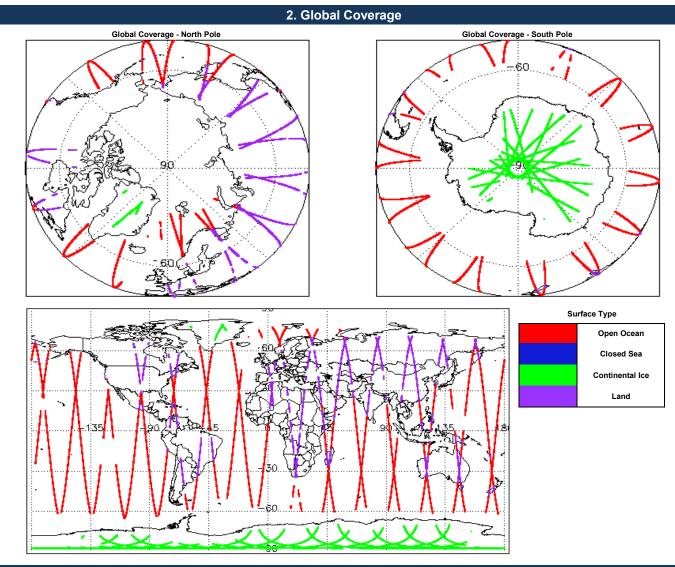
See Section 5.7, 6.5, 6.6, 6.7 and 6.8

1. Overview			
Deve et Develoption Deter	40, 101,0040	Check	Status
Report Production Date:	16-Jul-2018	Server check: science-pds.cryosat.esa.int	Nominal
	CryoSat Ice Processor	Server check: calval-pds.cryosat.esa.int	Nominal
Processor Used:		Product Software Check	Nominal
Data Used:	L1 and L2 Fast Delivery Marine (FDM) Mode and L0 Data	Product Format Check	Nominal
		Product Header Analysis	See Section 4.2
		Star Tracker Usage Check	See Section 5.3
		Calibration Usage Check	Nominal
		Auxiliary Data File Usage Check	Nominal

Mission / Instrument News		
14-Jul-2018	None	
15-Jul-2018	None	
16-Jul-2018	Nothing planned	

Auxiliary Correction Error Check

Measurement Confidence Data Check



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 & 2

4. Level 0 Data Quality Check

4.1 L0 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

4.2 L0 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.			
Number of products with errors: 2			
Product	Test Failed		
CS_OPER_SIR1SIN_020180715T155332_20180715T155938_0001.HDR	Percentage of processing	errors detected greater than minimum acceptable threshold.	
CS_OPER_SIR2SIN_020180715T100540_20180715T100703_0001.HDR	Percentage of processing	errors detected greater than minimum acceptable threshold.	
5. Lev	el 1B FDM Data Quality	v Check	
5.1 L1B FDM Product Format Check			
Each product, retrieved and unpacked from the science server, is checked to er	nsure 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			
For all products, a series of pre-defined checks are carried out on the MPH and Number of products with errors: 0	SPH in order to identify any inconsistent	cies and/or errors raised by the ground-segment processing chain.	
5.3 L1B FDM Star Tracker Usage Check			
Each product is checked in order to ensure a valid star tracker file has been use	ed in processing.		
Number of products with errors: 4			
Product	Test Failed		
CS_OFFL_SIR_FDM_1B_20180715T011740_20180715T015050_C001		n the processing of this product	
CS_OFFL_SIR_FDM_1B_20180715T195434_20180715T200113_C001 CS_OFFL_SIR_FDM_1B_20180715T213709_20180715T213812_C001		n the processing of this product n the processing of this product	
CS_OFFL_SIR_FDM_1B_20180715T231644_20180715T231705_C001		the processing of this product	
5.4 L1B FDM Calibration Usage Check			
Each product is checked in order to ensure the necessary calibration files have	been used in processing.		
Number of products with errors: 0			
5.5 L1B FDM Auxilary Data File Usage Check			
Each product is checked for missing Data Set Descriptors with respect to a pre-	determined baseline and also to check t	he validity of Auxiliary Data Files is correct.	
Number of products with errors: 0			
5.6 L1B FDM Auxiliary Correction Error Check			
CryoSat L1B data includes a correction error flag (field 54) for each measurement Number of products with errors: 0	nt record. The bit value of this flag indica	ates any problems when set.	
5.7 L1B FDM Measurement Confidence Data Check			
	economic record. The hit value of this	flag indicator any amblement when ant	
CryoSat L1B data includes a measurement confidence flag (field 18) for each m Number of products with errors: 8	easurement record. The bit value of this	nag indicates any problems when set.	
Product	Test Failed	Description	
CS_OFFL_SIR_FDM_1B_20180715T000609_20180715T000730_C001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo	
CS_OFFL_SIR_FDM_1B_20180715T011740_20180715T015050_C001	Attitude correction missing	The attitude has not been corrected	
CS_OFFL_SIR_FDM_1B_20180715T045233_20180715T050530_C001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo	
CS_OFFL_SIR_FDM_1B_20180715T102510_20180715T102605_C001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo	
CS_OFFL_SIR_FDM_1B_20180715T195434_20180715T200113_C001	Attitude correction missing	The attitude has not been corrected	
CS_OFFL_SIR_FDM_1B_20180715T213709_20180715T213812_C001	Attitude correction missing	The attitude has not been corrected	
CS_OFFL_SIR_FDM_1B_20180715T231644_20180715T231705_C001	Attitude correction missing	The attitude has not been corrected	
CS_OFFL_SIR_FDM_1B_20180715T231941_20180715T231951_C001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set,	
		indicating a degraded echo	
6. Level 2 FDM Data Quality Check			
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 and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.			
Number of products with errors: 0			

6.3 L2 FDM Auxiliary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct. Number of products with errors:
0

6.4 L2 FDM Auxiliary Correction Error Check

Each product is checked to detect auxiliary corrections flagged by the ground-station processing chain as missing or containing errors.

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Number of products with errors:

Product
CS_OFFL_SIR_FDM_220180715T002510_20180715T005539_C001
CS_OFFL_SIR_FDM_220180715T005550_20180715T010025_C001
CS_OFFL_SIR_FDM_220180715T020355_20180715T021934_C001
CS_OFFL_SIR_FDM_220180715T022245_20180715T022514_C001
CS_OFFL_SIR_FDM_220180715T031243_20180715T032951_C001
CS_OFFL_SIR_FDM_220180715T035157_20180715T040204_C001
CS_OFFL_SIR_FDM_220180715T045233_20180715T050530_C001
CS_OFFL_SIR_FDM_220180715T054250_20180715T055733_C001
CS_OFFL_SIR_FDM_220180715T061321_20180715T063909_C001
CS_OFFL_SIR_FDM_220180715T071210_20180715T073640_C001
CS_OFFL_SIR_FDM_220180715T082036_20180715T082100_C001
CS_OFFL_SIR_FDM_220180715T084027_20180715T084710_C001
CS_OFFL_SIR_FDM_220180715T084721_20180715T090625_C001
CS_OFFL_SIR_FDM_220180715T090628_20180715T091618_C001
CS_OFFL_SIR_FDM_220180715T101757_20180715T102100_C001
CS_OFFL_SIR_FDM_220180715T111142_20180715T113245_C001
CS_OFFL_SIR_FDM_220180715T113531_20180715T114701_C001
CS_OFFL_SIR_FDM_220180715T125046_20180715T132253_C001
CS_OFFL_SIR_FDM_220180715T132255_20180715T132309_C001
CS_OFFL_SIR_FDM_220180715T132312_20180715T132651_C001
CS_OFFL_SIR_FDM_220180715T134448_20180715T141113_C001
CS_OFFL_SIR_FDM_220180715T143025_20180715T144514_C001
CS_OFFL_SIR_FDM_220180715T145955_20180715T150326_C001
CS_OFFL_SIR_FDM_220180715T152013_20180715T153544_C001
CS_OFFL_SIR_FDM_220180715T162643_20180715T164124_C001
CS_OFFL_SIR_FDM_220180715T170008_20180715T171452_C001
CS_OFFL_SIR_FDM_220180715T174915_20180715T181101_C001
CS_OFFL_SIR_FDM_220180715T184649_20180715T191259_C001
CS_OFFL_SIR_FDM_220180715T200113_20180715T200406_C001
CS_OFFL_SIR_FDM_220180715T202545_20180715T203539_C001
CS_OFFL_SIR_FDM_220180715T204117_20180715T205111_C001
CS_OFFL_SIR_FDM_220180715T210727_20180715T212940_C001
CS_OFFL_SIR_FDM_220180715T214143_20180715T214459_C001
CS_OFFL_SIR_FDM_220180715T215722_20180715T223017_C001
CS_OFFL_SIR_FDM_220180715T224646_20180715T224828_C001
CS_OFFL_SIR_FDM_220180715T224944_20180715T225106_C001

Test Fail	ed		Description
	e Bias Correction	, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Spe			Correction for one or more records
Sea State Wind Spe	e Bias Correction	, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
	e Bias Correction	, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
	e Bias Correction	, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Spe		Altimotrio	Correction for one or more records
Wind Spe	e Bias Correction eed	, Alumetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Wind Spe	e Bias Correction eed	, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Wind Spe	e Bias Correction eed	, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
	e Bias Correction		There is an error with the Sea State Bias Correction for one or more records
Wind Spe			There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Wind Spe	e Bias Correction eed	, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Wind Spe	e Bias Correction eed	, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Wind Spe	e Bias Correction eed	, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Wind Spe	e Bias Correction	, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
	e Bias Correction	, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State	e Bias Correction	, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
	e Bias Correction	, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Spe Sea State	eed e Bias Correction	, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Spe Sea State	eed e Bias Correction	Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Spe	eed		Correction for one or more records
Wind Spe			There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Wind Spe	e Bias Correction eed	, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State	e Bias Correction		There is an error with the Sea State Bias Correction for one or more records
Sea State Wind Spe	e Bias Correction eed	, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
	e Bias Correction	, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
	e Bias Correction	, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
	e Bias Correction	, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
Sea State	e Bias Correction	, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Spe Sea State	ed Bias Correction	, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Spe Sea State	eed e Bias Correction	Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Spe		-	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Spe	eed		Correction for one or more records
Wind Spe	e Bias Correction eed	, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State	e Bias Correction		There is an error with the Sea State Bias Correction for one or more records
Sea State Wind Spe	e Bias Correction eed	, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Wind Spe	e Bias Correction eed	, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State	e Bias Correction		There is an error with the Sea State Bias Correction for one or more records
Sea State Wind Spe	e Bias Correction	, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
	e Bias Correction	, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
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6.5 L2 FDM Measurement Confidence Data Check

CryoSat L2 data includes a measurement confidence flag (field 8) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220180715T000609_20180715T000730_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220180715T011740_20180715T015050_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220180715T045233_20180715T050530_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220180715T102510_20180715T102605_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220180715T195434_20180715T200113_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220180715T213709_20180715T213812_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220180715T231644_20180715T231705_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220180715T231941_20180715T231951_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo

6.6 L2 FDM Range Measurement Check

CryoSat L2 data includes a CFI (field 17) and OCOG (field 22) Range Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set. Number of products with errors: 25

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Product	Test Failed	Description
CS_OFFL_SIR_FDM_220180715T002510_20180715T005539_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T005550_20180715T010025_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T020355_20180715T021934_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T022245_20180715T022514_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T035157_20180715T040204_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T045233_20180715T050530_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T061321_20180715T063909_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T071210_20180715T073640_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T082036_20180715T082100_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T084027_20180715T084710_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T084721_20180715T090625_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T101757_20180715T102100_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T111142_20180715T113245_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T113531_20180715T114701_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T125046_20180715T132253_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T132312_20180715T132651_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T143025_20180715T144514_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T145955_20180715T150326_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T152013_20180715T153544_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T162643_20180715T164124_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T170008_20180715T171452_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T184649_20180715T191259_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T200113_20180715T200406_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T210727_20180715T212940_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T214143_20180715T214459_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.

6.7 L2 FDM SWH and Backscatter Measurement Check

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CryoSat L2 data includes a SWH-Squared Averaging Status flag (field 39) and an CFI (field 45) and OCOG (field 51) Backscatter Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220180715T002510_20180715T005539_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T005550_20180715T010025_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T020355_20180715T021934_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T022245_20180715T022514_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T035157_20180715T040204_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T045233_20180715T050530_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T061321_20180715T063909_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.

CS_OFFL_SIR_FDM_220180715T071210_20180715T073640_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T082036_20180715T082100_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T084027_20180715T084710_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T084721_20180715T090625_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T101757_20180715T102100_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T111142_20180715T113245_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T113531_20180715T114701_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T125046_20180715T132253_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T132312_20180715T132651_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T143025_20180715T144514_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T145955_20180715T150326_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T152013_20180715T153544_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T162643_20180715T164124_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T170008_20180715T171452_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T184649_20180715T191259_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T200113_20180715T200406_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T210727_20180715T212940_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_220180715T214143_20180715T214459_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.

6.8 L2 FDM Ocean Retracking Quality Check

CryoSat L2 data includes an ocean retracking quality flag (field 66) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

 Number of products with errors:
 43

Product	Test Failed	Description
S_OFFL_SIR_FDM_220180715T002510_20180715T005539_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.
S_OFFL_SIR_FDM_220180715T005550_20180715T010025_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.
S_OFFL_SIR_FDM_220180715T020355_20180715T021934_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.
S_OFFL_SIR_FDM_220180715T022245_20180715T022514_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.
S_OFFL_SIR_FDM_220180715T022517_20180715T023938_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.
S_OFFL_SIR_FDM_220180715T031243_20180715T032951_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.
S_OFFL_SIR_FDM_220180715T035157_20180715T040204_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.
S_OFFL_SIR_FDM_220180715T040406_20180715T041837_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.
S_OFFL_SIR_FDM_220180715T045233_20180715T050530_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.
S_OFFL_SIR_FDM_220180715T061321_20180715T063909_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.
S_OFFL_SIR_FDM_220180715T071210_20180715T073640_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.
S_OFFL_SIR_FDM_220180715T082036_20180715T082100_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.
S_OFFL_SIR_FDM_220180715T084027_20180715T084710_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.
S_OFFL_SIR_FDM_220180715T084721_20180715T090625_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.
S_OFFL_SIR_FDM_220180715T090628_20180715T091618_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.
S_OFFL_SIR_FDM_220180715T093230_20180715T100540_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.
S_OFFL_SIR_FDM_220180715T101757_20180715T102100_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.
S_OFFL_SIR_FDM_220180715T111142_20180715T113245_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.
S_OFFL_SIR_FDM_220180715T113531_20180715T114701_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.
S_OFFL_SIR_FDM_220180715T125046_20180715T132253_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.
S_OFFL_SIR_FDM_220180715T132312_20180715T132651_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_220180715T134448_20180715T141113_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_220180715T143025_20180715T144514_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_220180715T144546_20180715T144704_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_220180715T145955_20180715T150326_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_220180715T152013_20180715T153544_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_220180715T153758_20180715T155249_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_220180715T160921_20180715T162333_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_220180715T162643_20180715T164124_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_220180715T170008_20180715T171452_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_220180715T171937_20180715T173318_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_220180715T174915_20180715T181101_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_220180715T184649_20180715T191259_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_220180715T192902_20180715T195310_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_220180715T200113_20180715T200406_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_220180715T202545_20180715T203539_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_220180715T204117_20180715T205111_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_220180715T210727_20180715T212940_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_220180715T214143_20180715T214459_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_220180715T215722_20180715T223017_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_220180715T232051_20180715T232442_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_220180715T233629_20180715T234548_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_220180715T234834_20180716T000948_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 Report Analysis

The Quality Control for CryoSat (QCC) facility 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	150	150	150	0	0
SIR_FDM_2	148	148	148	0	0
7.1 QCC Errors					
Number of QCC reports with errors: 0					
7.2 QCC Warnings					
Number of QCC reports with warnings 0					
7.3 Missing QCC Reports					
Number of products with missi	ng QCC reports: 1				
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