

IDEAS+ Daily Report for FDM data:

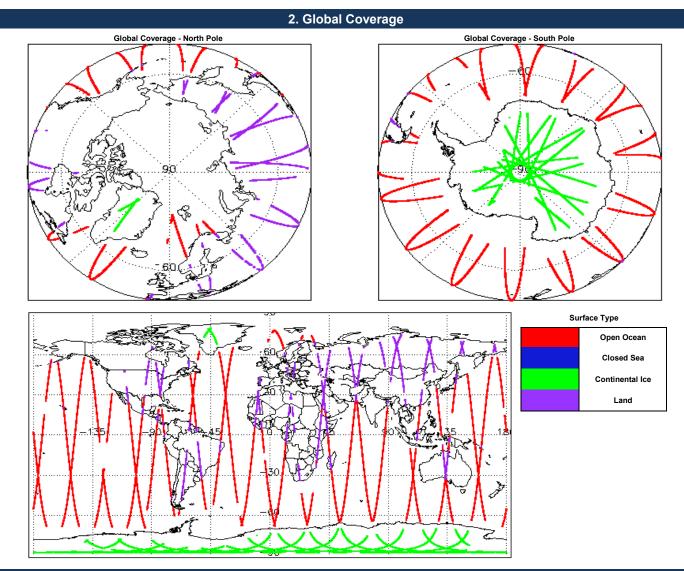
<u>22/03/2018</u>



1. Overview

Report Production Date:	22 Mar 2018	Check	Status	
	23-Mar-2018	Server check: science-pds.cryosat.esa.int	Nominal	
Processor Used:	CryoSat Ice Processor	Server check: calval-pds.cryosat.esa.int	Nominal	
		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	
		Auxiliary Correction Error Check	See Section 6.4	
		Measurement Confidence Data Check	See Section 5.7, 6.5, 6.6, 6.7 and 6.8	

Mission / Instrument News		
21-M	1ar-2018	None
22-M	1ar-2018	None
23-M	1ar-2018	SIRAL unavailability on 23-Mar-2018 from 07:35:19 to 09:24:53 due to a collision avoidance manoeuvre, and from 12:33:00 to 17:37:56 due to a planned orbit manoeuvre.



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).

0

Number of products with errors:

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:
 13

Product	Test Failed
CS_OPER_SIR1SAR_020180322T132031_20180322T133028_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020180322T001144_20180322T001641_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020180322T141648_20180322T141814_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020180322T140624_20180322T140800_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020180322T200241_20180322T200651_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020180322T100127_20180322T100342_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020180322T095740_20180322T095946_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020180322T015205_20180322T020358_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020180322T131219_20180322T132031_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020180322T010400_20180322T010622_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020180322T023425_20180322T023546_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020180322T023619_20180322T023826_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020180322T172602_20180322T172728_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.

5. Level 1B FDM Data Quality Check

5.1 L1B 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).

5.2 L1B 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

Number of products with errors.

5.3 L1B FDM Star Tracker Usage Check

Each product is checked in order to ensure a valid star tracker file has been used in processing.

3

Number of products with errors:

Product	Test Failed
CS_OFFL_SIR_FDM_1B_20180322T013425_20180322T014108_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20180322T031653_20180322T031802_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20180322T082013_20180322T082138_C001	No Star Tracker file used in 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.

0

4

Number of products with errors:

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 the validity of Auxiliary Data Files is correct.

Number of products with errors:

5.6 L1B FDM Auxiliary Correction Error Check

CryoSat L1B data includes a correction error flag (field 54) for each measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

5.7 L1B FDM Measurement Confidence Data Check

CryoSat L1B data includes a measurement confidence flag (field 18) 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_1B_20180322T013425_20180322T014108_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20180322T031653_20180322T031802_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20180322T082013_20180322T082138_C001		The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20180322T233012_20180322T233601_C001		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.

Test Failed

Wind Speed

Sea State Bias Correction, Altimetric

35

Number of products with errors:

Product
CS_OFFL_SIR_FDM_220180322T001641_20180322T001701_C001
CS_OFFL_SIR_FDM_220180322T002648_20180322T005355_C001
CS_OFFL_SIR_FDM_220180322T010645_20180322T013219_C001
CS_OFFL_SIR_FDM_220180322T020532_20180322T021526_C001
CS_OFFL_SIR_FDM_220180322T024555_20180322T031434_C001
CS_OFFL_SIR_FDM_220180322T032225_20180322T032419_C001
CS_OFFL_SIR_FDM_220180322T051706_20180322T052536_C001
CS_OFFL_SIR_FDM_220180322T052821_20180322T055126_C001
CS_OFFL_SIR_FDM_220180322T062648_20180322T063117_C001
CS_OFFL_SIR_FDM_220180322T065547_20180322T072922_C001
CS_OFFL_SIR_FDM_220180322T074735_20180322T081835_C001
CS_OFFL_SIR_FDM_220180322T083850_20180322T084616_C001
CS_OFFL_SIR_FDM_220180322T085056_20180322T090842_C001
CS_OFFL_SIR_FDM_220180322T092524_20180322T093916_C001
CS_OFFL_SIR_FDM_220180322T094130_20180322T095302_C001
CS_OFFL_SIR_FDM_220180322T102059_20180322T103115_C001
CS_OFFL_SIR_FDM_220180322T110656_20180322T111736_C001
CS_OFFL_SIR_FDM_220180322T111933_20180322T112508_C001
CS_OFFL_SIR_FDM_220180322T113745_20180322T113801_C001
CS_OFFL_SIR_FDM_220180322T120355_20180322T122706_C001
CS_OFFL_SIR_FDM_220180322T124000_20180322T130618_C001
CS_OFFL_SIR_FDM_220180322T141923_20180322T143118_C001
CS_OFFL_SIR_FDM_220180322T151631_20180322T153431_C001
CS_OFFL_SIR_FDM_220180322T155843_20180322T163248_C001
CS_OFFL_SIR_FDM_220180322T170453_20180322T170841_C001
CS_OFFL_SIR_FDM_220180322T173758_20180322T180055_C001
CS_OFFL_SIR_FDM_220180322T180239_20180322T181248_C001
CS_OFFL_SIR_FDM_220180322T182640_20180322T182701_C001
CS_OFFL_SIR_FDM_220180322T191833_20180322T194831_C001
CS_OFFL_SIR_FDM_220180322T202654_20180322T203953_C001
CS_OFFL_SIR_FDM_220180322T205724_20180322T211315_C001
CS_OFFL_SIR_FDM_220180322T211518_20180322T212439_C001
CS_OFFL_SIR_FDM_220180322T215155_20180322T220355_C001
CS_OFFL_SIR_FDM_220180322T223641_20180322T225143_C001
CS_OFFL_SIR_FDM_220180322T233845_20180323T000302_C001

Sea State Bias Correction Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias Wind Speed Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Sea State Bias Correction, Altimetric Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias Wind Speed Correction for one or more records Sea State Bias Correction. Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias Wind Speed Correction for one or more records There is an error with the Sea State Bias Correction for one or more Sea State Bias Correction records There is an error with the Sea State Bias Correction for one or more Sea State Bias Correction records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias Wind Speed Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Sea State Bias Correction, Altimetric Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias Wind Speed Correction for one or more records There is an error with the Sea State Bias Correction for one or more Sea State Bias Correction records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias Wind Speed Correction for one or more records There is an error with the Sea State Bias Correction for one or more Sea State Bias Correction records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias Wind Speed Correction for one or more records There is an error with the Sea State Bias Correction for one or more Sea State Bias Correction records There is an error with the Sea State Bias Correction for one or more Sea State Bias Correction records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric Wind Speed

Description

Correction for one or more records

There is an error with the Altimetric Wind Speed and Sea State Bias

There is an error with the Altimetric Wind Speed and Sea State Bias There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records

There is an error with the Altimetric Wind Speed and Sea State Bias

Correction for one or more records

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_220180322T013425_20180322T014108_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220180322T031653_20180322T031802_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220180322T082013_20180322T082138_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220180322T233012_20180322T233601_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo

Sea State Bias Correction, Altimetric

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: 22

Wind Speed

Wind Speed

Wind Speed

Wind Speed

Wind Speed

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220180322T001641_20180322T001701_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_220180322T010645_20180322T013219_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_220180322T024555_20180322T031434_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_220180322T032225_20180322T032419_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_220180322T051706_20180322T052536_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_220180322T052821_20180322T055126_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_220180322T065547_20180322T072922_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_220180322T074735_20180322T081835_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_220180322T083850_20180322T084616_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_220180322T085056_20180322T090842_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_220180322T102059_20180322T103115_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_220180322T110656_20180322T111736_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_220180322T111933_20180322T112508_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_220180322T113745_20180322T113801_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_220180322T124000_20180322T130618_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_220180322T151631_20180322T153431_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_220180322T155843_20180322T163248_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_220180322T205724_20180322T211315_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_220180322T211518_20180322T212439_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_220180322T215155_20180322T220355_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_220180322T223641_20180322T225143_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_220180322T233845_20180323T000302_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 OFEL SID FDM 2 20180222T001641 20180222T001701 C001	CFI Backscatter Status Flag, SWH	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.
		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.
	CFI Backscatter Status Flag, SWH	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.
		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.
	CFI Backscatter Status Flag, SWH	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_2_20180322T052821_20180322T055126_C001	CFI Backscatter Status Flag, SWH	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.
	CFI Backscatter Status Flag, SWH	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_2_20180322T074735_20180322T081835_C001		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.
	CFI Backscatter Status Flag, SWH	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.
	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.
	CFI Backscatter Status Flag, SWH	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.
	CFI Backscatter Status Flag, SWH	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_220180322T111933_20180322T112508_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_220180322T113745_20180322T113801_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_220180322T124000_20180322T130618_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_220180322T151631_20180322T153431_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_220180322T155843_20180322T163248_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_220180322T205724_20180322T211315_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_220180322T211518_20180322T212439_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_220180322T215155_20180322T220355_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_220180322T223641_20180322T225143_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_220180322T233845_20180323T000302_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:
 39

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Product	Test Failed	Description
CS_OFFL_SIR_FDM_220180322T001641_20180322T001701_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_220180322T002648_20180322T005355_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_220180322T010645_20180322T013219_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_220180322T024555_20180322T031434_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_220180322T032225_20180322T032419_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_220180322T033717_20180322T041208_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_220180322T051706_20180322T052536_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_220180322T052821_20180322T055126_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_220180322T060325_20180322T061656_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_220180322T062648_20180322T063117_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_220180322T065547_20180322T072922_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_220180322T074735_20180322T081835_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_220180322T083850_20180322T084616_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_220180322T085056_20180322T090842_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_220180322T092524_20180322T093916_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_220180322T094130_20180322T095302_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_220180322T102059_20180322T103115_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_220180322T110656_20180322T111736_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_220180322T111933_20180322T112508_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_220180322T112752_20180322T113448_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_220180322T113745_20180322T113801_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_220180322T120355_20180322T122706_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_220180322T124000_20180322T130618_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_220180322T134025_20180322T140623_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_220180322T141923_20180322T143118_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_220180322T143657_20180322T145345_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_220180322T151631_20180322T153431_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_220180322T155843_20180322T163248_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_220180322T173758_20180322T180055_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_220180322T180239_20180322T181248_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_220180322T184243_20180322T190500_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_220180322T191833_20180322T194831_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_220180322T202654_20180322T203953_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_220180322T205724_20180322T211315_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_220180322T211518_20180322T212439_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_220180322T215155_20180322T220355_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_220180322T223641_20180322T225143_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_220180322T233012_20180322T233601_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_220180322T233845_20180323T000302_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	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR1LRM_0_	164	164	164	0	0
SIR1SAR_0_	120	120	120	0	0
SIR1SIN_0_	104	104	104	0	0
SIR2SIN_0_	105	105	105	0	0
SIR_FDM_1B	164	164	164	0	0
SIR_FDM_2	161	161	161	0	0

7.1 QCC Errors

Number of QCC reports with errors:

7.2 QCC Warnings			
Number of QCC reports with warnings	0		
7.3 Missing QCC Reports			

0

0

Number of products with missing QCC reports: