

IDEAS+ Daily Report for FDM data:

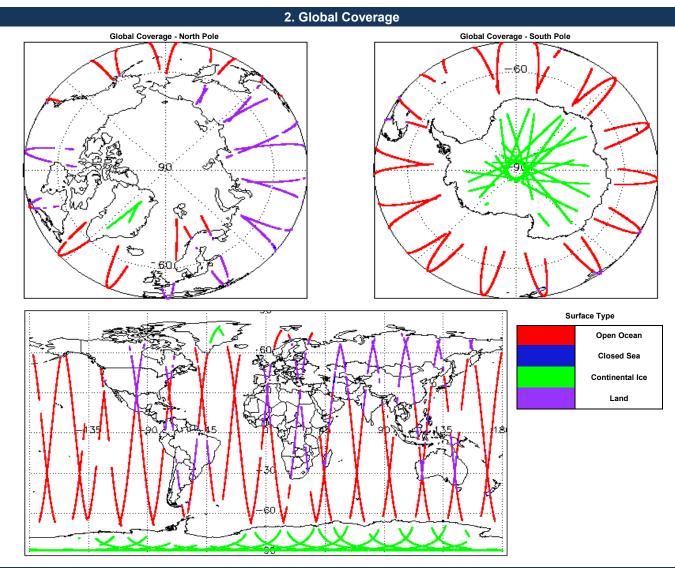
27/01/2017



out Broduction Doto	30-Jan-2017	Check	Status	
port Production Date:		Server check: science-pds.cryosat.esa.int	Nominal	
Processor Used:	CrucSat las Drassaar	Server check: calval-pds.cryosat.esa.int	Nominal	
Tocessor Used.	CryoSat Ice Processor	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	

Mission / Instrument News		
26-Jan-2017	None	
27-Jan-2017	None	
28-Jan-2017	Nothing planned	

1. Overview



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 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.

15

Number of products with errors:

Product	Test Failed
CS_OPER_SIR1SAR_020170127T061656_20170127T061851_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020170127T225944_20170127T230140_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020170127T042711_20170127T042744_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020170127T044213_20170127T044339_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020170127T111509_20170127T111729_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_0_20170127T003217_20170127T003235_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020170127T233210_20170127T233434_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_0_20170127T070415_20170127T071028_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020170127T105930_20170127T110533_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_0_20170127T195118_20170127T195445_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020170127T205246_20170127T205402_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_0_20170127T222956_20170127T223021_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020170127T210755_20170127T211245_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020170127T062431_20170127T062831_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020170127T012241_20170127T012434_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). 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 SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. Number of products with errors: 0

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 o	f products with	n errors:
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Product	Test Failed
CS_OFFL_SIR_FDM_1B_20170127T010258_20170127T010431_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20170127T041939_20170127T042707_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20170127T223335_20170127T223655_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.

 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 the 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 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_20170127T010258_20170127T010431_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20170127T041939_20170127T042707_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20170127T081006_20170127T081104_C001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_FDM_1B_20170127T223335_20170127T223655_C001	Attitude correction missing	The attitude has not been corrected

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).

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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:

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.

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	f products with errors

Product

CS OFFL SIR FDM 2 20170126T234625 20170127T000222 C001 CS_OFFL_SIR_FDM_2__20170127T000453_20170127T001853_C001 CS_OFFL_SIR_FDM_2__20170127T003235_20170127T003846_C001 CS OFFL SIR FDM 2 20170127T011003 20170127T011115 C001 CS OFFL SIR FDM 2 20170127T012434 20170127T015845 C001 CS OFFL SIR FDM 2 20170127T035216 20170127T041915 C001 CS_OFFL_SIR_FDM_2__20170127T042707_20170127T042708_C001 CS_OFFL_SIR_FDM_2__20170127T045841_20170127T050026_C001 CS OFFL SIR FDM 2 20170127T050044 20170127T051624 C001 CS_OFFL_SIR_FDM_2__20170127T053438_20170127T054701_C001 CS OFFL SIR FDM 2 20170127T054901 20170127T060221 C001 CS_OFFL_SIR_FDM_2__20170127T062831_20170127T063801_C001 CS OFFL SIR FDM 2 20170127T064003 20170127T065517 C001 CS OFFL SIR FDM 2 20170127T071028 20170127T071302 C001 CS_OFFL_SIR_FDM_2__20170127T072828_20170127T074126_C001 CS_OFFL_SIR_FDM_2__20170127T081809_20170127T083427_C001 CS_OFFL_SIR_FDM_2__20170127T091216_20170127T092246_C001 CS OFFL SIR FDM 2 20170127T094746 20170127T101406 C001 CS OFFL SIR FDM 2 20170127T102704 20170127T103907 C001 CS_OFFL_SIR_FDM_2__20170127T104442_20170127T105436_C001 CS_OFFL_SIR_FDM_2__20170127T112554_20170127T115344_C001 CS OFFL SIR FDM 2 20170127T120734 20170127T124128 C001 CS OFFL SIR FDM 2 20170127T125423 20170127T125616 C001 CS_OFFL_SIR_FDM_2__20170127T134617_20170127T140841_C001 CS_OFFL_SIR_FDM_2__20170127T141127_20170127T142047_C001 CS_OFFL_SIR_FDM_2__20170127T143306_20170127T143646_C001 CS OFFL SIR FDM 2 20170127T144003 20170127T144037 C001 CS_OFFL_SIR_FDM_2__20170127T153151_20170127T155745_C001 CS OFFL SIR FDM 2 20170127T170510 20170127T172148 C001 CS_OFFL_SIR_FDM_2__20170127T172150_20170127T172300_C001 CS_OFFL_SIR_FDM_2__20170127T172740_20170127T173447_C001 CS OFFL SIR FDM 2 20170127T175608 20170127T181139 C001 CS_OFFL_SIR_FDM_2__20170127T181758_20170127T182858_C001 CS_OFFL_SIR_FDM_2__20170127T184428_20170127T185928_C001 CS_OFFL_SIR_FDM_2__20170127T190107_20170127T191336_C001 CS OFFL SIR FDM 2 20170127T193914 20170127T194507 C001 CS OFFL SIR FDM 2 20170127T195445 20170127T201029 C001 CS_OFFL_SIR_FDM_2__20170127T202409_20170127T204757_C001 CS_OFFL_SIR_FDM_2__20170127T211245_20170127T211336_C001 CS OFFL SIR FDM 2 20170127T212450 20170127T214954 C001 CS_OFFL_SIR_FDM_2__20170127T220235_20170127T222848_C001 CS OFFL SIR FDM 2 20170127T230140 20170127T231134 C001 CS_OFFL_SIR_FDM_2__20170127T231712_20170127T232750_C001 CS_OFFL_SIR_FDM_2__20170127T234203_20170128T000409_C001

Test Failed	Correction		Description
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Wind Speed			Correction fo
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6.5 L2 FDM Measurement Confidence Data Check

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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_220170127T010258_20170127T010431_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220170127T041939_20170127T042707_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220170127T081006_20170127T081104_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220170127T223335_20170127T223655_C001	Attitude correction missing	The attitude has not been corrected

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: 26

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220170127T003235_20170127T003846_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_220170127T012434_20170127T015845_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_220170127T045841_20170127T050026_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_220170127T050044_20170127T051624_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_220170127T053438_20170127T054701_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_220170127T054901_20170127T060221_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_220170127T062831_20170127T063801_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_220170127T064003_20170127T065517_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_220170127T072828_20170127T074126_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_220170127T091216_20170127T092246_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_220170127T112554_20170127T115344_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_220170127T134617_20170127T140841_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_220170127T144003_20170127T144037_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_220170127T153151_20170127T155745_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_220170127T170510_20170127T172148_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_220170127T172150_20170127T172300_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_220170127T172740_20170127T173447_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_220170127T175608_20170127T181139_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_220170127T181758_20170127T182858_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_220170127T184428_20170127T185928_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_220170127T190107_20170127T191336_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_220170127T193914_20170127T194507_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_220170127T202409_20170127T204757_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_220170127T212450_20170127T214954_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_220170127T220235_20170127T222848_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_220170127T234203_20170128T000409_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_220170127T003235_20170127T003846_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_220170127T012434_20170127T015845_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_220170127T045841_20170127T050026_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_220170127T050044_20170127T051624_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_220170127T053438_20170127T054701_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_220170127T054901_20170127T060221_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_220170127T062831_20170127T063801_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.
S_OFFL_SIR_FDM_220170127T064003_20170127T065517_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.
S_OFFL_SIR_FDM_220170127T072828_20170127T074126_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_220170127T091216_20170127T092246_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_220170127T112554_20170127T115344_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.
S_OFFL_SIR_FDM_220170127T134617_20170127T140841_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_220170127T144003_20170127T144037_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_220170127T153151_20170127T155745_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.
S_OFFL_SIR_FDM_220170127T170510_20170127T172148_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.
S_OFFL_SIR_FDM_220170127T172150_20170127T172300_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.
S_OFFL_SIR_FDM_220170127T172740_20170127T173447_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.
S_OFFL_SIR_FDM_220170127T175608_20170127T181139_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.
S_OFFL_SIR_FDM_220170127T181758_20170127T182858_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.
S_OFFL_SIR_FDM_220170127T184428_20170127T185928_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.
S_OFFL_SIR_FDM_220170127T190107_20170127T191336_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.
S_OFFL_SIR_FDM_220170127T193914_20170127T194507_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.
S_OFFL_SIR_FDM_220170127T202409_20170127T204757_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.
S_OFFL_SIR_FDM_220170127T212450_20170127T214954_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.
S_OFFL_SIR_FDM_220170127T220235_20170127T222848_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.
S_OFFL_SIR_FDM_220170127T234203_20170128T000409_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:
 51

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220170127T000453_20170127T001853_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_220170127T003235_20170127T003846_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_220170127T010204_20170127T010240_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_220170127T011003_20170127T0111115_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_220170127T012434_20170127T015845_C001		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_220170127T021135_20170127T023947_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_2__20170127T024054_20170127T024140_C001 CS_OFFL_SIR_EDM_2__20170127T030258_20170127T033647_C001 CS_OFFL_SIR_FDM_2__20170127T035216_20170127T041915_C001 CS_OFFL_SIR_FDM_2__20170127T045841_20170127T050026_C001 CS OFFL SIR FDM 2 20170127T050044 20170127T051624 C001 CS_OFFL_SIR_FDM_2__20170127T053438_20170127T054701_C001 CS_OFFL_SIR_FDM_2__20170127T054901_20170127T060221_C001 CS OFFL SIR FDM 2 20170127T062831 20170127T063801 C001 CS_OFFL_SIR_FDM_2__20170127T064003_20170127T065517_C001 CS_OFFL_SIR_FDM_2__20170127T071028_20170127T071302_C001 CS OFFL SIR FDM 2 20170127T072828 20170127T074126 C001 CS_OFFL_SIR_FDM_2__20170127T081809_20170127T083427_C001 CS OFFL SIR FDM 2 20170127T084805 20170127T091155 C001 CS_OFFL_SIR_FDM_2__20170127T091216_20170127T092246_C001 CS_OFFL_SIR_FDM_2__20170127T093709_20170127T093948_C001 CS OFFL SIR FDM 2 20170127T094746 20170127T101406 C001 CS OFFL SIR FDM 2 20170127T102704 20170127T103907 C001 CS_OFFL_SIR_FDM_2__20170127T112554_20170127T115344_C001 CS OFFL SIR FDM 2 20170127T120734 20170127T124128 C001 CS_OFFL_SIR_FDM_2__20170127T125423_20170127T125616_C001 CS_OFFL_SIR_FDM_2__20170127T130613_20170127T130731_C001 CS_OFFL_SIR_FDM_2__20170127T134617_20170127T140841_C001 CS_OFFL_SIR_FDM_2__20170127T141127_20170127T142047_C001 CS OFFL SIR FDM 2 20170127T144003 20170127T144037 C001 CS_OFFL_SIR_FDM_2__20170127T144929_20170127T145731_C001 CS OFFL SIR FDM 2 20170127T145919 20170127T151236 C001 CS_OFFL_SIR_FDM_2__20170127T152546_20170127T153142_C001 CS_OFFL_SIR_FDM_2__20170127T153151_20170127T155745_C001 CS_OFFL_SIR_FDM_2__20170127T161729_20170127T164707_C001 CS OFFL SIR FDM 2 20170127T170510 20170127T172148 C001 CS_OFFL_SIR_FDM_2__20170127T172150_20170127T172300_C001 CS_OFFL_SIR_FDM_2__20170127T172740_20170127T173447_C001 CS OFFL SIR FDM 2 20170127T175608 20170127T181139 C001 CS_OFFL_SIR_FDM_2__20170127T181758_20170127T182858_C001 CS_OFFL_SIR_FDM_2__20170127T184428_20170127T185928_C001 CS OFFL SIR FDM 2 20170127T190107 20170127T191336 C001 CS_OFFL_SIR_FDM_2__20170127T193914_20170127T194507_C001 CS_OFFL_SIR_FDM_2__20170127T194629_20170127T194952_C001 CS OFFL SIR FDM 2 20170127T195445 20170127T201029 C001 CS_OFFL_SIR_FDM_2__20170127T202409_20170127T204757_C001 CS_OFFL_SIR_FDM_2__20170127T211245_20170127T211336_C001 CS OFFL SIR FDM 2 20170127T212450 20170127T214954 C001 CS_OFFL_SIR_FDM_2__20170127T220235_20170127T222848_C001 CS OFFL SIR FDM 2 20170127T230140 20170127T231134 C001 CS_OFFL_SIR_FDM_2__20170127T234203_20170128T000409_C001 Ocean Retracking Quality Flag 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. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. 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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
SIR1LRM_0_	168	168	168	0	0
SIR1SAR_0_	128	128	128	0	0
SIR1SIN_0_	108	108	108	0	0
SIR2SIN_0_	112	112	112	0	0
SIR_FDM_1B	168	168	168	0	0
SIR_FDM_2	167	167	167	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 missing QCC reports:	0