



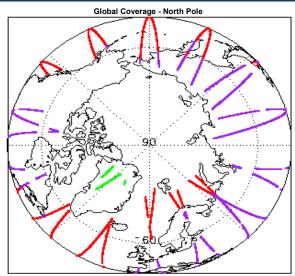
1. Overview

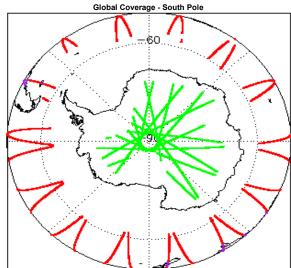
Report Production Date:	02-Aug-2017	
Processor Used:	CryoSat Ice Processor	
Data Used:	L1 and L2 Fast Delivery Marine (FDM)	

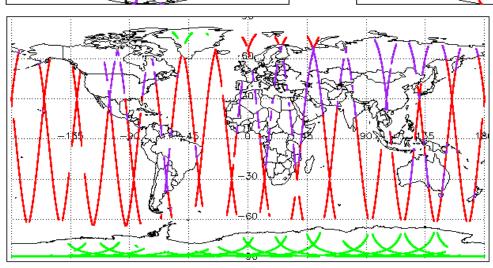
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check	Nominal
Auxiliary Data File 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

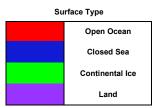
Mission / Instru	iment News
31-Jul-2017	None
01-Aug-2017	None
02-Aug-2017	Nothing planned

2. Global Coverage









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.

Product Test Failed

CS_OPER_SIR1SAR_0_20170801T223511_20170801T224326_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:

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:

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.

Number of products with errors:

Product	Test Failed
CS_OFFL_SIR_FDM_1B_20170801T134810_20170801T135103_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20170801T152726_20170801T152839_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20170801T184411_20170801T185016_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:

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_20170801T093239_20170801T093820_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_20170801T134810_20170801T135103_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20170801T152726_20170801T152839_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20170801T184411_20170801T185016_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)

Number of products with errors:

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.

Number of products with errors:

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.

Number of products with errors: 44

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220170801T000354_20170801T003141_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220170801T023036_20170801T023040_C001	Sea State Bias Correction, Altimetric Wind Speed	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
CS_OFFL_SIR_FDM_220170801T023855_20170801T025849_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS OFFE SIR FDM 2 201708011030226 201708011030657 C001		There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220170801T040846_20170801T041010_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records

	one or more
CS_OFFL_SIR_FDM_2_20170801T043107_20170801T044449_C001 Sea State Bias Correction records There is an error with the Sea State Bias Correction for o	one or more
CS_OFFL_SIR_FDM_2_201708011052621_201708011053806_C001 Sea State Bias Correction records	
CS_OFFL_SIR_FDM_2_20170801T054721_20170801T055046_C001 Sea State Bias Correction, Altimetric Wind Speed Wind Speed Correction for one or more records	
CS_OFFL_SIR_FDM_2_20170801T064145_20170801T071801_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea Correction for one or more records There is an error with the Altimetric Wind Speed and Sea Correction for one or more records	
CS_OFFL_SIR_FDM_2_20170801T072951_20170801T080157_C001 Sea State Bias Correction, Altimetric Wind Speed There is an error with the Altimetric Wind Speed and Sea Correction for one or more records	State Bias
CS_OFFL_SIR_FDM_2_20170801T082059_20170801T083556_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea Correction for one or more records CS_OFFL_SIR_FDM_2_20170801T082059_20170801T083556_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea Correction for one or more records	State Bias
CS_OFFL_SIR_FDM_2_20170801T083637_20170801T084848_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea Correction for one or more records CS_OFFL_SIR_FDM_2_20170801T083637_20170801T084848_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea Correction for one or more records	State Bias
CS_OFFL_SIR_FDM_2_20170801T091027_20170801T092637_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea Correction for one or more records Correction for one or more records	State Bias
CS_OFFL_SIR_FDM_2_20170801T101601_20170801T101844_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea Correction or one or more records CS_OFFL_SIR_FDM_2_20170801T101601_20170801T101844_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea Correction or one or more records	State Bias
CS_OFFL_SIR_FDM_2_20170801T110126_20170801T110408_C001 Sea State Bias Correction There is an error with the Sea State Bias Correction records	ne or more
CS_OFFL_SIR_FDM_2_20170801T110414_20170801T112428_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea Correction of one or more records CS_OFFL_SIR_FDM_2_20170801T110414_20170801T112428_C001	State Bias
CS_OFFL_SIR_FDM_2_20170801T113959_20170801T120359_C001 Sea State Bias Correction There is an error with the Sea State Bias Correction records	one or more
CS_OFFL_SIR_FDM_2_20170801T123602_20170801T130334_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea Correction of one or more records	State Bias
CS_OFFL_SIR_FDM_2_20170801T131919_20170801T134627_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea Correction of one or more records	State Bias
CS_OFFL_SIR_FDM_2_20170801T135104_20170801T135644_C001 Sea State Bias Correction, Altimetric Wind Speed Correction for one or more records Correction for one or more records	State Bias
CS_OFFL_SIR_FDM_2_20170801T141124_20170801T142631_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea Correction of one or more records	State Bias
CS_OFFL_SIR_FDM_2_20170801T143204_20170801T144150_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea Correction of one or more records	State Bias
CS_OFFL_SIR_FDM_2_20170801T145809_20170801T150259_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea Correction of one or more records	State Bias
CS_OFFL_SIR_FDM_2_20170801T150628_20170801T151342_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea Correction of one or more records	State Bias
CS_OFFL_SIR_FDM_2_20170801T154807_20170801T162123_C001 Sea State Bias Correction, Altimetric Wind Speed Wind Speed There is an error with the Altimetric Wind Speed and Sea Correction for one or more records	State Bias
CS_OFFL_SIR_FDM_2_20170801T163810_20170801T163833_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea Correction of one or more records Correction of one or more records	State Bias
CS_OFFL_SIR_FDM_2_20170801T163938_20170801T165453_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea Correction of one or more records	State Bias
CS_OFFL_SIR_FDM_2_20170801T171320_20170801T171505_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea Correction of one or more records CS_OFFL_SIR_FDM_2_20170801T171320_20170801T171505_C001	State Bias
CS_OFFL_SIR_FDM_2_20170801T172521_20170801T173642_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea Correction of one or more records	State Bias
CS_OFFL_SIR_FDM_2_20170801T173928_20170801T180031_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea Correction of one or more records	State Bias
CS_OFFL_SIR_FDM_2_20170801T181747_20170801T183704_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea Correction of one or more records	State Bias
CS_OFFL_SIR_FDM_2_20170801T183745_20170801T184218_C001 Sea State Bias Correction, Altimetric Wind Speed Wind Speed Correction for one or more records Correction for one or more records	State Bias
CS_OFFL_SIR_FDM_2_20170801T185123_20170801T185140_C001 Sea State Bias Correction, Altimetric Wind Speed Correction for one or more records Correction for one or more records	State Bias
CS_OFFL_SIR_FDM_2_20170801T190415_20170801T190735_C001 Sea State Bias Correction, Altimetric Wind Speed Correction for one or more records Correction for one or more records	State Bias
CS_OFFL_SIR_FDM_2_20170801T190809_20170801T193248_C001 Sea State Bias Correction, Altimetric Wind Speed Correction for one or more records Correction for one or more records	State Bias
CS_OFFL_SIR_FDM_2_20170801T195837_20170801T201105_C001 CS_OFFL_SIR_FDM_2_20170801T195837_20170801T201105_C001 Sea State Bias Correction, Altimetric Wind Speed Correction for one or more records Correction for one or more records	State Bias
CS_OFFL_SIR_FDM_2_20170801T201205_20170801T202004_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea	State Bias
CS_OFFL_SIR_FDM_2_20170801T205043_20170801T210203_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 CS_OFFL_SIR_FDM_2_20170801T210406_20170801T211841_C001 Wind Speed Correction, Altimetric Wind Speed and Sea Wind Speed Sea State Bias Correction, Altimetric Wind Speed Correction for one or more records CS_OFFL_SIR_FDM_2_20170801T210406_20170801T211841_C001	State Bias
CS_OFFL_SIR_FDM_2_20170801T213528_20170801T214608_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 CS_OFEL_SIR_FDM_2_20170801T215232_20170801T220528_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea	State Bias
CS_OFFL_SIR_FDM_2_20170801T224326_20170801T225731_C001 Sea_State_Bias_Correction Sea_State_Bias_Correction There is an error with the Sea_State Bias_Correction There is an error with the Sea_State Bias_Correction There is an error with the Sea_State Bias_Correction The sea_State_Bias_Correction The sea_St	ne or more
CS_OFFL_SIR_FDM_2_20170801T231329_20170801T233905_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	

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_220170801T093239_20170801T093820_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220170801T134810_20170801T135103_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220170801T152726_20170801T152839_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220170801T184411_20170801T185016_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: 28

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220170801T023055_20170801T023612_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_220170801T023855_20170801T025849_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_220170801T064145_20170801T071801_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_220170801T072951_20170801T080157_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_220170801T082059_20170801T083556_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_220170801T083637_20170801T084848_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_220170801T091027_20170801T092637_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_220170801T101601_20170801T101844_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_220170801T110414_20170801T112428_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_220170801T123602_20170801T130334_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_220170801T131919_20170801T134627_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_220170801T135104_20170801T135644_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_220170801T141124_20170801T142631_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_220170801T143204_20170801T144150_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_220170801T150628_20170801T151342_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_220170801T154807_20170801T162123_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_220170801T163938_20170801T165453_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_220170801T171320_20170801T171505_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_220170801T172521_20170801T173642_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_220170801T173928_20170801T180031_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_220170801T190415_20170801T190735_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_220170801T190809_20170801T193248_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_220170801T195837_20170801T201105_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_220170801T205043_20170801T210203_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_220170801T210406_20170801T211841_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_220170801T213528_20170801T214608_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_220170801T215232_20170801T220528_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_220170801T231329_20170801T233905_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_220170801T023055_20170801T023612_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_220170801T023855_20170801T025849_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_2_20170801T064145_20170801T071801_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_2_20170801T072951_20170801T080157_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_2_20170801T082059_20170801T083556_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_2_20170801T083637_20170801T084848_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_220170801T091027_20170801T092637_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_220170801T101601_20170801T101844_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_220170801T110414_20170801T112428_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_220170801T123602_20170801T130334_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_220170801T131919_20170801T134627_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_220170801T135104_20170801T135644_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_220170801T141124_20170801T142631_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_220170801T143204_20170801T144150_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_220170801T150628_20170801T151342_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_220170801T154807_20170801T162123_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_220170801T163938_20170801T165453_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_220170801T171320_20170801T171505_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_220170801T172521_20170801T173642_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_220170801T173928_20170801T180031_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_220170801T190415_20170801T190735_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_220170801T190809_20170801T193248_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_220170801T195837_20170801T201105_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_220170801T205043_20170801T210203_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_220170801T210406_20170801T211841_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_220170801T213528_20170801T214608_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_220170801T215232_20170801T220528_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_220170801T231329_20170801T233905_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:

42

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220170801T000354_20170801T003141_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_220170801T010337_20170801T012731_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_220170801T015935_20170801T021552_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_220170801T023055_20170801T023612_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_220170801T023855_20170801T025849_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_220170801T030226_20170801T030657_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_220170801T032335_20170801T035548_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_220170801T043107_20170801T044449_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_220170801T050218_20170801T052335_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_220170801T064145_20170801T071801_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_220170801T072951_20170801T080157_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_220170801T082059_20170801T083556_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_220170801T083637_20170801T084848_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_220170801T091027_20170801T092637_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_220170801T101601_20170801T101844_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_220170801T105300_20170801T105843_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_220170801T110126_20170801T110408_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.

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CS_OFFL_SIR_FDM_220170801T110414_20170801T112428_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170801T113959_20170801T120359_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170801T121417_20170801T121502_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170801T123602_20170801T130334_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170801T131919_20170801T134627_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170801T135104_20170801T135644_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170801T141124_20170801T142631_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170801T143204_20170801T144150_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170801T150628_20170801T151342_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170801T154807_20170801T162123_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170801T163938_20170801T165453_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170801T171320_20170801T171505_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170801T172521_20170801T173642_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170801T173928_20170801T180031_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170801T181747_20170801T183704_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170801T190415_20170801T190735_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170801T190809_20170801T193248_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170801T193252_20170801T193943_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170801T195837_20170801T201105_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170801T201205_20170801T202904_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170801T205043_20170801T210203_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170801T210406_20170801T211841_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170801T213528_20170801T214608_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170801T215232_20170801T220528_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_2_20170801T231329_20170801T233905_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 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. 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. 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. 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.

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_	137	137	137	0	0
SIR1SAR_0_	113	113	113	0	0
SIR1SIN_0_	106	106	106	0	0
SIR2SIN_0_	89	89	89	0	0
SIR_FDM_1B	137	137	137	0	0
SIR FDM 2	137	137	137	0	0

7.1 QCC Errors

Number of QCC reports with errors:

0

7.2 QCC Warnings

Number of QCC reports with warnings

C

7.3 Missing QCC Reports

Number of products with missing QCC reports:

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