



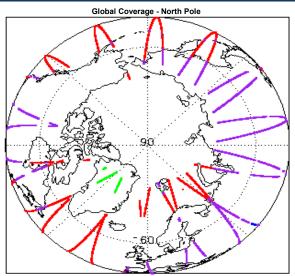
1. Overview

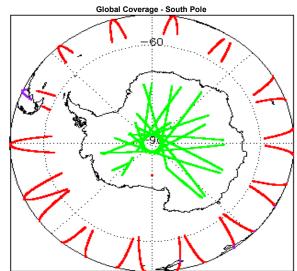
Report Production Date:	08-Sep-2017	
Processor Used:	CryoSat Ice Processor	
Data Used:	L1 and L2 Fast Delivery Marine (FDM)	

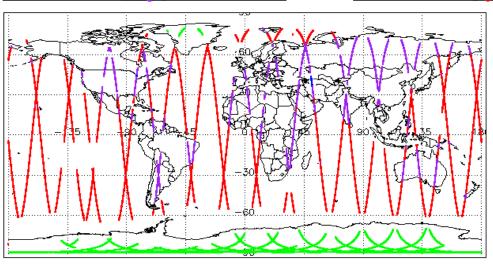
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check	Nominal
Auxiliary Data File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

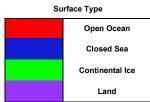
Mission / Instru	iment News
06-Sep-2017	None
07-Sep-2017	None
08-Sep-2017	Nothing planned

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).

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:

Product	Test Failed
CS_OPER_SIR1SAR_020170907T014446_20170907T014921_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020170907T220419_20170907T220505_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020170907T091631_20170907T091754_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020170907T105338_20170907T105500_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020170907T022112_20170907T022422_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020170907T212410_20170907T212618_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020170907T045410_20170907T045709_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_20170907T103917_20170907T103934_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20170907T121530_20170907T121546_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20170907T135203_20170907T135340_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20170907T164309_20170907T171600_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: 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_20170907T073437_20170907T075138_C001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_FDM_1B_20170907T075619_20170907T075839_C001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_FDM_1B_20170907T103917_20170907T103934_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20170907T105500_20170907T105851_C001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_FDM_1B_20170907T121530_20170907T121546_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20170907T135203_20170907T135340_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20170907T164309_20170907T171600_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:

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.

Number of products with errors:

43

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220170907T005404_20170907T010110_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_OFFL_SIR_FDM_220170907T010425_20170907T011056_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220170907T011229_20170907T012220_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_OFFL_SIR_FDM_220170907T012735_20170907T013124_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_OFFL_SIR_FDM_220170907T014921_20170907T022112_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220170907T025204_20170907T030941_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_OFFL_SIR_FDM_220170907T032735_20170907T040249_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220170907T050705_20170907T054247_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_OFFL_SIR_FDM_220170907T055438_20170907T061403_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220170907T061437_20170907T062746_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_OFFL_SIR_FDM_220170907T064614_20170907T070058_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_OFFL_SIR_FDM_220170907T070300_20170907T071221_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220170907T073437_20170907T075138_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_OFFL_SIR_FDM_220170907T091058_20170907T091125_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_OFFL_SIR_FDM_220170907T091359_20170907T091631_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_OFFL_SIR_FDM_220170907T092408_20170907T092505_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_OFFL_SIR_FDM_220170907T092628_20170907T094919_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_OFFL_SIR_FDM_220170907T100528_20170907T102949_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220170907T103934_20170907T104218_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_OFFL_SIR_FDM_220170907T110059_20170907T111217_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_OFFL_SIR_FDM_220170907T114456_20170907T120844_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_OFFL_SIR_FDM_220170907T121546_20170907T122223_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_OFFL_SIR_FDM_220170907T123545_20170907T125131_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_OFFL_SIR_FDM_220170907T125700_20170907T130605_C001	Sea State Bias Correction, Altimetric Wind Speed 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
CS_OFFL_SIR_FDM_220170907T140134_20170907T140154_C001	Wind Speed Sea State Bias Correction, Altimetric Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220170907T150430_20170907T152016_C001	Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220170907T153824_20170907T153946_C001	Wind Speed Sea State Bias Correction, Altimetric Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220170907T155019_20170907T162048_C001	Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220170907T162059_20170907T162523_C001	Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220170907T172855_20170907T174313_C001	Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220170907T174749_20170907T175000_C001	Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220170907T175002_20170907T180438_C001	Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220170907T183753_20170907T185505_C001	Wind Speed Sea State Bias Correction, Mean Sea	Correction for one or more records There is an error with the Altimetric Wind Speed, the Sea State Bias
CS_OFFL_SIR_FDM_2_20170907T191736_20170907T192708_C001	Surface height, Altimetric Wind Speed Sea State Bias Correction, Altimetric	Correction and the Mean Sea Surface Height for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220170907T192910_20170907T194335_C001	Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_2_20170907T201736_20170907T202201_C001	Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_2_20170907T202205_20170907T203033_C001	Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_2_20170907T203156_20170907T203417_C001	Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_2_20170907T210743_20170907T212217_C001	Wind Speed	Correction for one or more records There is an error with the Sea State Bias Correction for one or more
CS_OFFL_SIR_FDM_2_20170907T213841_20170907T220419_C001	Sea State Bias Correction Sea State Bias Correction, Altimetric	records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220170907T222521_20170907T222910_C001	Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220170907T231726_20170907T232817_C001	Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220170907T234714_20170907T234820_C001	Wind Speed	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_220170907T073437_20170907T075138_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo

CS_OFFL_SIR_FDM_220170907T075619_20170907T075839_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220170907T103917_20170907T103934_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220170907T105500_20170907T105851_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220170907T121530_20170907T121546_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220170907T135203_20170907T135340_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220170907T164309_20170907T171600_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.

umber of products with errors:

Product	Test Failed	Description
		The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220170907T005404_20170907T010110_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220170907T011229_20170907T012220_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_220170907T050705_20170907T054247_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_220170907T061437_20170907T062746_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_220170907T064614_20170907T070058_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_220170907T073437_20170907T075138_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_220170907T091359_20170907T091631_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_220170907T103934_20170907T104218_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_220170907T110059_20170907T111217_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_220170907T114456_20170907T120844_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_220170907T121546_20170907T122223_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_220170907T123545_20170907T125131_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_220170907T140134_20170907T140154_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_220170907T155019_20170907T162048_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_220170907T162059_20170907T162523_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_220170907T172855_20170907T174313_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_220170907T174749_20170907T175000_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_220170907T175002_20170907T180438_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_220170907T191736_20170907T192708_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_220170907T201736_20170907T202201_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_220170907T202205_20170907T203033_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_220170907T203156_20170907T203417_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_220170907T210743_20170907T212217_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_220170907T222521_20170907T222910_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_220170907T234714_20170907T234820_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
	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_220170907T011229_20170907T012220_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_220170907T050705_20170907T054247_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_220170907T061437_20170907T062746_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_220170907T064614_20170907T070058_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_20170907T073437_20170907T075138_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_220170907T091359_20170907T091631_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_220170907T103934_20170907T104218_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_20170907T110059_20170907T111217_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_20170907T114456_20170907T120844_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_20170907T121546_20170907T122223_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_220170907T123545_20170907T125131_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_20170907T140134_20170907T140154_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_220170907T155019_20170907T162048_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_220170907T162059_20170907T162523_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_220170907T172855_20170907T174313_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_220170907T174749_20170907T175000_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_220170907T175002_20170907T180438_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_220170907T191736_20170907T192708_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_220170907T201736_20170907T202201_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_220170907T202205_20170907T203033_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_220170907T203156_20170907T203417_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_20170907T210743_20170907T212217_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_220170907T222521_20170907T222910_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_220170907T234714_20170907T234820_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:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220170907T002440_20170907T004135_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_220170907T005404_20170907T010110_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_220170907T010425_20170907T011056_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_220170907T011229_20170907T012220_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_220170907T014921_20170907T022112_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_220170907T023253_20170907T023515_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_220170907T025204_20170907T030941_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_220170907T032735_20170907T040249_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_220170907T042456_20170907T042939_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_220170907T050705_20170907T054247_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_220170907T055438_20170907T061403_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_220170907T061437_20170907T062746_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_220170907T064614_20170907T070058_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.

Case			The Ocean Retracking Quality Flag is set indicating the CFI Ocean
Seg. OFFL_SIR_FDM_2_20170907103392_9710907109234_C001 Cean Retracking Quality Flag Retracker was not successfully securised for one or more records. Cean Retracking Quality Flag Retracker was not successfully securised for one or more records. Cean Retracking Quality Flag Retracker was not successfully securised for one or more records. Cean Retracking Quality Flag Retracker was not successfully securised for one or more records. Cean Retracking Quality Flag Retracker was not successfully securised for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully securised for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully securised for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully securised for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully securised for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully securised for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully securised for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully securised for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully securised for one or more records. Cean Flag Flag Flag Leg 20170907112946_20170907112944_C001 Cean Retracking Quality Flag Retracker was not successfully securised for one or more records. Cean Flag Flag Leg 20170907112946_20170907112940_C001 Cean Retracking Quality Flag Retracking Quality Flag Retracker was not successfully securised for one or more records. Cean Flag Flag Leg 20170907112946_201709071129460_C001 Cean Retracking Quality Flag	CS_OFFL_SIR_FDM_220170907T070300_20170907T071221_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_2_20170907110394_0170907110204_C001 CS_OFFL_SIR_FDM_2_20170907110394_0170907110204_C001 CS_OFFL_SIR_FDM_2_20170907110394_0170907110204_C001 CS_OFFL_SIR_FDM_2_20170907110394_20170907110204_C001 CS_OFFL_SIR_FDM_2_20170907110394_0170907110204_C001 CS_OFFL_SIR_FDM_2_20170907110394_0170907110204_C001 CS_OFFL_SIR_FDM_2_20170907110394_C001 CS_OFFL_SIR_FDM_2_201709071110394_C001 CS_OFFL_SIR_FDM_2_201709071110394_C001 CS_OFFL_SIR_FDM_2_20170907110394_C001 CODEAN Retracking Quality Flag CS_OFFL_SIR_FDM_2_20170907110394_C001 CODEAN Retracking Quality Flag CD_OFFL_SIR_FDM_2_20170907110394_C001 CODEAN REtracking Quality Flag CD_OFFL_SIR_FDM_2_201709077110394_C001 CODEAN REtracking Quality Flag CD_OFFL_SIR_FDM_2_	CS_OFFL_SIR_FDM_220170907T073437_20170907T075138_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
Sc. OFFL_SIR_FDM 2_201709071102628_20170907102639_C001 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM 2_201709071102639_C0170907110278 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM 2_201709071102632_20170907110278 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM 2_20170907110269_20170907111277 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM 2_20170907110269_20170907111277 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM 2_20170907111275 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM 2_20170907111275 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM 2_20170907111275 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM 2_201709071121515 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM 2_20170907114155 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM 2_20170907114150 O	CS_OFFL_SIR_FDM_220170907T091359_20170907T091631_C001	Ocean Retracking Quality Flag	
Schoff-Lisit FDM 2 20170907110392 20170907110219 C001 CS_OFFL_SIR_FDM 2 20170907110392 20170907110219 C001 CS_OFFL_SIR_FDM 2 20170907110392 20170907111217 C001 CS_OFFL_SIR_FDM 2 201709071110392 2017090711213 C001 CS_OFFL_SIR_FDM 2 201709071110392 20170907112010 C001 CS_OFFL_SIR_FDM 2 20170907110392 20170907112010 C001 CS_OFFL_SIR_FDM 2 201709071110392 20170907112010 C001 CS_OFFL_SIR_FDM 2 20170907110392 20170907112010 C001 CS_OFFL_SIR_FDM 2 20170907110393 20170907112010 C001 CS_OFFL_SIR_FDM 2 20170907110393 20170907112010 C001 CS_OFFL_SIR_FDM 2 20170907110393 201709071102014 C001 CS_OFFL_SIR_FDM 2 20170907110393 20170907110200 C001 CS_OFFL_SIR_FDM 2 20170907110393 20170907110200 C001 CS_OFFL_SIR_FDM 2 2017090711000 C001 CS_OFFL_SIR_FDM 2 201709	CS_OFFL_SIR_FDM_220170907T091754_20170907T092344_C001	Ocean Retracking Quality Flag	
SCOPEL_SIR_FDM_2_20170907T10393_20170907T104204_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag T	CS_OFFL_SIR_FDM_220170907T092628_20170907T094919_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20170907110394_20170907111217_C001	CS_OFFL_SIR_FDM_220170907T100528_20170907T102949_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20170907T114456_20170907T12234_C001	CS_OFFL_SIR_FDM_220170907T103934_20170907T104218_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_2_20170907T123454_20170907T122315_CO01 Ocean Retracking Quality Flag is act incidiant in the CFI Ocean Retracking Quality Flag is act incidiant in the CFI Ocean Retracking Quality Flag is act incidiant in the CFI Ocean Retracking Quality Flag is act incidiant in the CFI Ocean Retracking Quality Flag is act incidiant in the CFI Ocean Retracking Quality Flag is act incidiant in the CFI Ocean Retracking Quality Flag is act incidiant in the CFI Ocean Retracking Quality Flag is act incidiant in the CFI Ocean Retracking Quality Flag is act incidiant in the CFI Ocean Retracking Quality Flag is act incidiant in the CFI Ocean Retracking Quality Flag is act inciding the CFI Ocean	CS_OFFL_SIR_FDM_220170907T110059_20170907T111217_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20170907T121546_20170907T12523_C001 Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag i	CS_OFFL_SIR_FDM_220170907T114456_20170907T120844_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_2_20170907T12545_20170907T19511_C001 Ocean Retracking Quality Flag The Ocean Retracking Qua	CS_OFFL_SIR_FDM_220170907T121546_20170907T122223_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_2_20170907T140134_20170907T140154_CO01 Ocean Retracking Quality Flag is set Indicating the CF Ocean Retr	CS_OFFL_SIR_FDM_220170907T123545_20170907T125131_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_2_20170907T14330_20170907T142016_C001 Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag i	CS_OFFL_SIR_FDM_220170907T140134_20170907T140154_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_2_20170907T150430_20170907T152016_C001 Cs_OFFL_SIR_FDM_2_20170907T15019_20170907T162048_C001 Cs_OFFL_SIR_FDM_2_20170907T162059_20170907T162048_C001 Cs_OFFL_SIR_FDM_2_20170907T162059_20170907T162052_C001 Cs_OFFL_SIR_FDM_2_20170907T162059_20170907T171600_C001 Cs_OFFL_SIR_FDM_2_20170907T1600_20170907T171600_C001 Cs_OFFL_SIR_FDM_2_20170907T171600_20170907T171600_C001 Cs_OFFL_SIR_FDM_2_20170907T171600_20170907T171600_C001 Cs_OFFL_SIR_FDM_2_20170907T171600_20170907T171600_C001 Cs_OFFL_SIR_FDM_2_20170907T171600_20170907T171600_C001 Cs_OFFL_SIR_FDM_2_20170907T171600_20170907T1717431_C001 Cs_OFFL_SIR_FDM_2_20170907T17174749_2007T1775000_C001 Cs_OFFL_SIR_FDM_2_20170907T174749_2007T175000_C001 Cs_OFFL_SIR_FDM_2_20170907T174749_20170907T175000_C001 Cs_OFFL_SIR_FDM_2_20170907T174749_20170907T175000_C001 Cs_OFFL_SIR_FDM_2_20170907T174749_20170907T175000_C001 Cs_OFFL_SIR_FDM_2_20170907T174749_20170907T175000_C001 Cs_OFFL_SIR_FDM_2_20170907T174749_20170907T19007T180043C001 Cs_OFFL_SIR_FDM_2_20170907T174002_20170907T180438_C001 Cs_OFFL_SIR_FDM_2_20170907T19007_20170907T19007T	CS OFFL SIR FDM 2 20170907T141330 20170907T144610 C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_2_20170907T162059_20170907T162053_C001 CS_OFFL_SIR_FDM_2_20170907T162059_20170907T162053_C001 CS_OFFL_SIR_FDM_2_20170907T162059_20170907T162050_C001 CS_OFFL_SIR_FDM_2_20170907T164309_20170907T17600_C001 CS_OFFL_SIR_FDM_2_20170907T17600_20170907T17650_C001 CS_OFFL_SIR_FDM_2_20170907T17600_20170907T17650_C001 CS_OFFL_SIR_FDM_2_20170907T17600_20170907T17650_C001 CS_OFFL_SIR_FDM_2_20170907T17600_20170907T17650_C001 CS_OFFL_SIR_FDM_2_20170907T17600_20170907T17600_C001 CS_OFFL_SIR_FDM_2_20170907T17600_C001 CS_OFFL_SIR_FDM_2_20170907T180438_C001 CS_OFFL_SIR_FDM_2_20170907T183753_20170907T18505_C001 CS_OFFL_SIR_FDM_2_20170907T19700_C001 CS_OFFL_SIR_FDM_2_20170907T19700_C001 CS_OFFL_SIR_FDM_2_20170907T19700_C001 CS_OFFL_SIR_FDM_2_20170907T19700_C001 CS_OFFL_SIR_FDM_2_20170907T19700_C001 CS_OFFL_SIR_FDM_2_20170907T19700_C001 CS_OFFL_SIR_FDM_2_20170907T19700_C001 CS_OFFL_SIR_FDM_2_20170907T19700_C001 CS_OFFL_SIR_FDM_2_20170907T19700_C001 CS_OFFL_SIR_FDM_2_20170907T197000_C001 CS_OFFL_SIR_FDM_2_20170907T19700000000000000000000000000000		0 , 0	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
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Retracker was not successfully executed for one or more records.	CS_OFFL_SIR_FDM_2_20170907T234714_20170907T234820_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
			production 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_	153	153	153	0	0
SIR1SAR_0_	95	95	95	0	0
SIR1SIN_0_	106	106	106	0	0
SIR2SIN_0_	94	94	94	0	0
SIR_FDM_1B	153	153	153	0	0
SIR FDM 2	153	153	153	0	0

7.1 QCC Errors

Number of QCC reports with errors:

7.2 QCC Warnings

Number of QCC reports with warnings

0

0

7.3 Missing QCC Reports

Number of products with missing QCC reports:

0