



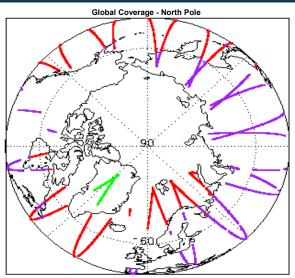
1. Overview

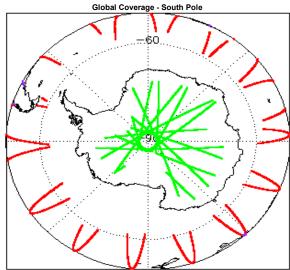
Report Production Date:	08-Aug-2019	
Processor Used:	CryoSat Ice Processor	
Data Used:	L1 and L2 Fast Delivery Marine (FDM)	

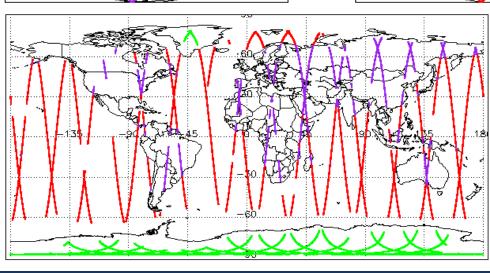
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2, 5.2 and 6.2
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check	Nominal
Auxiliary Data File Usage Check	Nominal
Auxiliary Correction Error Check	See Section 6.4
Measurement Confidence Data Check	See Section 5.7, 6.5, 6.6, 6.7 and 6.8

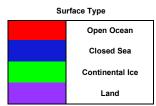
Mission / Instrument News		
06-Aug-2019	None	
07-Aug-2019	None	
08-Aug-2019	Nothing planned	

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

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_020190807T125645_20190807T125838_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020190807T111911_20190807T112222_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020190807T222100_20190807T222222_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020190807T101716_20190807T101838_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020190807T154122_20190807T154246_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020190807T022609_20190807T022950_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS OPER SIR2SIN 0 20190807T004409 20190807T005307 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:

4

Product	Test Failed
CS_OFFL_SIR_FDM_1B_20190807T034853_20190807T034955_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20190807T071255_20190807T071535_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20190807T034827_20190807T034853_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20190807T002738_20190807T0033338_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).

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_20190807T002738_20190807T003338_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20190807T034827_20190807T034853_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20190807T071237_20190807T071254_C001	No Star Tracker file used in the processing of this product

5.4 L1B FDM Calibration Usage Check

Each product is checked in order to ensure the necessary calibration files have been used in processing.

0

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:

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_20190807T002738_20190807T003338_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20190807T034827_20190807T034853_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20190807T034853_20190807T034955_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_20190807T071237_20190807T071254_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20190807T202050_20190807T202701_C001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo

6. Level 2 FDM Data Quality Check

6.1 L2 FDM Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a binary product file (.DBL)

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:

Product	Test Failed
CS_OFFL_SIR_FDM_220190807T002738_20190807T003338_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV) and product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220190807T071237_20190807T071254_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV) and product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220190807T034827_20190807T034853_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV) and product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220190807T034853_20190807T034955_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV) and product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220190807T122418_20190807T122900_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV) and product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220190807T051904_20190807T052301_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV) and product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220190807T234345_20190807T234428_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV) and product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220190807T071255_20190807T071535_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV) and product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220190807T003338_20190807T003506_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV) and product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220190807T020741_20190807T021018_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV) and product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220190807T172951_20190807T173354_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV) and product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220190807T185912_20190807T190708_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV) and product filename start/stop differs slightly from start/stop validity due to rounding.

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:

42

0

12

roduct roduct	Test Failed	Description
S_OFFL_SIR_FDM_220190807T000116_20190807T002420_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
S OFFL SIR FDM 2 20190807T013953 20190807T020622 C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
S OFFL SIR FDM 2 20190807T021052 20190807T021749 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
S OFFL SIR FDM 2 20190807T040845 20190807T041749 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
	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_220190807T042033_20190807T044148_C001	Wind Speed	Correction for one or more records
S_OFFL_SIR_FDM_220190807T054527_20190807T062028_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_220190807T063946_20190807T071131_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
S_OFFL_SIR_FDM_220190807T072342_20190807T073826_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
S_OFFL_SIR_FDM_220190807T074416_20190807T080000_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
S_OFFL_SIR_FDM_220190807T081757_20190807T083123_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
S_OFFL_SIR_FDM_220190807T083337_20190807T085046_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
S_OFFL_SIR_FDM_220190807T091305_20190807T092327_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
S_OFFL_SIR_FDM_220190807T095527_20190807T095637_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
S_OFFL_SIR_FDM_220190807T100109_20190807T100800_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
S_OFFL_SIR_FDM_220190807T101226_20190807T101716_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
S_OFFL_SIR_FDM_220190807T101959_20190807T102548_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
S_OFFL_SIR_FDM_220190807T102710_20190807T102917_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_220190807T105627_20190807T111706_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
S_OFFL_SIR_FDM_220190807T131244_20190807T132325_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
S_OFFL_SIR_FDM_220190807T132904_20190807T134520_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
S_OFFL_SIR_FDM_220190807T140024_20190807T140542_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
S_OFFL_SIR_FDM_220190807T140947_20190807T142818_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
S_OFFL_SIR_FDM_220190807T145347_20190807T152517_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
S_OFFL_SIR_FDM_220190807T153722_20190807T153938_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_220190807T160036_20190807T161357_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
S_OFFL_SIR_FDM_220190807T163156_20190807T165304_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
S_OFFL_SIR_FDM_220190807T165549_20190807T170724_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
S_OFFL_SIR_FDM_220190807T171641_20190807T172016_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
SS_OFFL_SIR_FDM_220190807T174345_20190807T175353_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
SS_OFFL_SIR_FDM_220190807T181125_20190807T184734_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
SS_OFFL_SIR_FDM_220190807T185912_20190807T190708_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
S OFFL SIR FDM 2 20190807T195028 20190807T200525 C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias

CS_OFFL_SIR_FDM_220190807T200605_20190807T200657_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_220190807T200659_20190807T201816_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_220190807T203956_20190807T205606_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_220190807T211230_20190807T211307_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_220190807T212952_20190807T214350_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_220190807T214530_20190807T214813_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_220190807T221843_20190807T222059_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_220190807T222222_20190807T222812_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_220190807T223343_20190807T225336_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_220190807T234345_20190807T234428_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

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_220190807T002738_20190807T003338_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220190807T034827_20190807T034853_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220190807T034853_20190807T034955_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220190807T071237_20190807T071254_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220190807T202050_20190807T202701_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo

6.6 L2 FDM Range Measurement Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220190807T000116_20190807T002420_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_220190807T013953_20190807T020622_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_220190807T021052_20190807T021749_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_220190807T040845_20190807T041749_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_220190807T042033_20190807T044148_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_220190807T054527_20190807T062028_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_220190807T072342_20190807T073826_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_220190807T074416_20190807T080000_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_220190807T081757_20190807T083123_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_220190807T083337_20190807T085046_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_220190807T091305_20190807T092327_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_220190807T101226_20190807T101716_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_220190807T101959_20190807T102548_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_220190807T102710_20190807T102917_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_220190807T132904_20190807T134520_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_220190807T140947_20190807T142818_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_220190807T145347_20190807T152517_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_220190807T181125_20190807T184734_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_220190807T195028_20190807T200525_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_220190807T200605_20190807T200657_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_220190807T200659_20190807T201816_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_220190807T203956_20190807T205606_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_220190807T214530_20190807T214813_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_220190807T221843_20190807T222059_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_220190807T222222_20190807T222812_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_220190807T223343_20190807T225336_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_220190807T234345_20190807T234428_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

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:

27

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220190807T000116_20190807T002420_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_220190807T013953_20190807T020622_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_220190807T021052_20190807T021749_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_220190807T040845_20190807T041749_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_220190807T042033_20190807T044148_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_220190807T054527_20190807T062028_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_220190807T072342_20190807T073826_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_220190807T074416_20190807T080000_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_220190807T081757_20190807T083123_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_220190807T083337_20190807T085046_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_220190807T091305_20190807T092327_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_220190807T101226_20190807T101716_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_220190807T101959_20190807T102548_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_220190807T102710_20190807T102917_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_220190807T132904_20190807T134520_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_220190807T140947_20190807T142818_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_220190807T145347_20190807T152517_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_220190807T181125_20190807T184734_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_220190807T195028_20190807T200525_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_220190807T200605_20190807T200657_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_220190807T200659_20190807T201816_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_220190807T203956_20190807T205606_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_220190807T214530_20190807T214813_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_220190807T221843_20190807T222059_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_220190807T222222_20190807T222812_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_220190807T223343_20190807T225336_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

6.8 L2 FDM Ocean Retracking Quality Check

CS_OFFL_SIR_FDM_2__20190807T234345_20190807T234428_C001

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:

Test Failed CS_OFFL_SIR_FDM_2_20190807T00116_20190807T002420_C001 Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is extended from or or more records. CS_OFFL_SIR_FDM_2_20190807T01952_20190807T02052_C001 Ocean Retracking Quality Flag is the Common Retracking Quality Flag is extended from or or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Ret	cessfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records.
Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20190807T005621_20190807T00737_CO11 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20190807T019353_20190807T002082_CO11 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20190807T021052_20190807T021742_CO11 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20190807T021052_20190807T021742_CO11 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20190807T040845_20190807T041742_CO11 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20190807T040845_20190807T041742_CO11 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20190807T040845_20190807T041742_CO11 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20190807T042033_20190807T041742_CO11 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20190807T042033_20190807T04142_CO11 Ocean Retracking Quality Flag Cocan Retracking Qualit	cessfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records. Quality Flag is set indicating the CFI Ocean ressfully executed for one or more records.
Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20190807T013953_20190807T020622_C001 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20190807T021052_20190807T021749_C001 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20190807T021052_20190807T021749_C001 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20190807T040845_20190807T041749_C001 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20190807T062028_C001 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20190807T062028_C001 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20190807T073342_20190807T073386_C001 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20190807T073342_20190807T073386_C001 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20190807T074308_20190807T074413_C001 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20190807T074416_20190807T074000_C001 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20190807T074416_20190807T08000_C001 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20190807T074416_20190807T080100_C001 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20190807T08017416_C001 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20190807T083337_20190807T093327_C001 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20190807T010109_20190807T100800_C001 Ocean Retracking Quality Flag Coean Retracking Quality Flag is set indicating the CFl Ocean Retracking Quality Flag Coean Retracking Quali	cessfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records.
CS_OFFL_SIR_FDM_2_20190807T021052_20190807T041448_C001 Ocean Retracking Quality Flag 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 Retracking Power was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Power was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Power was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Power was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is	cessfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records.
CS_OFFL_SIR_FDM_2_20190807T040845_20190807T041749_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the	cessfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records.
CS_OFFL_SIR_FDM_2_20190807T041418_C001 Coean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20190807T054527_20190807T062028_C001 Coean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20190807T054527_20190807T062028_C001 Coean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20190807T063946_20190807T07131_C001 Coean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20190807T073342_20190807T073826_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Qual	cessfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records. Quality Flag is set indicating the CFI Ocean resesfully executed for one or more records.
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CS_OFFL_SIR_FDM_2_20190807T140947_20190807T142818_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the	
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CS_OFFL_SIR_FDM_2_20190807T160036_20190807T161357_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_20190807T163156_20190807T165304_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_20190807T165549_20190807T170724_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_20190807T171641_20190807T172016_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_20190807T173552_20190807T174158_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_20190807T181125_20190807T184734_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_20190807T195028_20190807T200525_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_20190807T200605_20190807T200657_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_20190807T200659_20190807T201816_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_20190807T203956_20190807T205606_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_20190807T212952_20190807T214350_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_20190807T214530_20190807T214813_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_20190807T221843_20190807T222059_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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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_	146	146	146	0	0
SIR1SAR_0_	142	98	98	0	0
SIR1SIN_0_	112	112	112	0	0
SIR_FDM_1B	146	142	146	0	0
SIR FDM 2	142	142	142	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:

119