

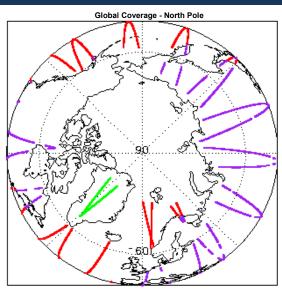
## 1. Overview

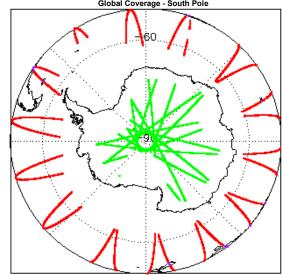
Report Production Date:	02-Jun-2020
Processor Used:	CryoSat Ice Processor
Data Used:	L1 and L2 Fast Delivery Marine (FDM)  Mode and L0 Data

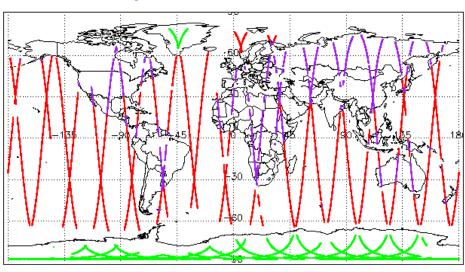
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2, 5.2 and 6.2
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check	Nominal
Auxiliary 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

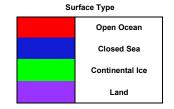
Mission / Instrument News		
31-May-2020	None	
01-Jun-2020	None	
02-Jun-2020	Nothing planned	

# 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:

3

Product	Test Failed
CS_OPER_SIR1SAR_020200601T033342_20200601T033508_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_0_20200601T183151_20200601T183352_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020200601T132908_20200601T133035_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:

Product	Test Failed
CS_OFFL_SIR_FDM_1B_20200601T164949_20200601T165301_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200601T165301_20200601T165342_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_20200601T100740_20200601T101051_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20200601T114710_20200601T114801_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20200601T132700_20200601T132710_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20200601T164949_20200601T165301_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_20200601T100740_20200601T101051_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20200601T114710_20200601T114801_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20200601T132700_20200601T132710_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20200601T164949_20200601T165301_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20200601T201917_20200601T202711_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_20200601T234418_20200601T234503_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

#### 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.

Product	Test Failed
CS_OFFL_SIR_FDM_220200601T021451_20200601T021624_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220200601T021636_20200601T021651_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220200601T030031_20200601T030539_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220200601T043946_20200601T044553_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220200601T053709_20200601T054549_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220200601T062648_20200601T063332_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220200601T082809_20200601T082833_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220200601T100740_20200601T101051_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220200601T101051_20200601T101251_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200601T114710_20200601T114801_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220200601T114802_20200601T114820_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200601T131708_20200601T131854_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220200601T132700_20200601T132710_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220200601T132710_20200601T132730_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200601T152330_20200601T152438_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220200601T164949_20200601T165301_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200601T165301_20200601T165342_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200601T201917_20200601T202711_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220200601T213632_20200601T213638_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220200601T223824_20200601T224326_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).

## 6.3 L2 FDM Auxiliary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.

Number of products with errors:

0

### 6.4 L2 FDM Auxiliary Correction Error Check

Each product is checked to detect auxiliary corrections flagged by the ground-station processing chain as missing or containing errors.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220200531T234135_20200601T001527_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_220200601T002833_20200601T003012_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_220200601T012111_20200601T014246_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_220200601T014532_20200601T015435_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_220200601T020700_20200601T021102_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_220200601T023330_20200601T024452_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_220200601T043946_20200601T044553_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_220200601T044630_20200601T045217_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_220200601T045333_20200601T045704_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_220200601T053709_20200601T054549_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_220200601T055209_20200601T060344_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_220200601T061913_20200601T062538_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200601T062648_20200601T063332_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200601T063512_20200601T065044_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200601T071207_20200601T071519_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_220200601T072039_20200601T072527_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_220200601T072827_20200601T074414_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_220200601T075832_20200601T082056_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_220200601T085901_20200601T092310_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_220200601T093758_20200601T094157_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_220200601T103323_20200601T103354_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_220200601T103515_20200601T110204_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200601T113855_20200601T114115_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_220200601T115245_20200601T115314_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200601T115333_20200601T115428_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_220200601T125548_20200601T125745_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_220200601T125944_20200601T130152_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_2_20200601T135839_20200601T142014_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_220200601T143518_20200601T144708_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200601T144857_20200601T145514_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_220200601T152641_20200601T155916_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_220200601T161748_20200601T164802_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_220200601T170653_20200601T172109_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_220200601T172314_20200601T173830_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_220200601T181143_20200601T182415_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_220200601T185047_20200601T185524_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_220200601T185851_20200601T190133_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_220200601T193151_20200601T200512_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_220200601T203444_20200601T205627_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_220200601T211055_20200601T213630_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_220200601T213641_20200601T213911_C001	Sea State Bias Correction	There is an error with the 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:

6

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220200601T100740_20200601T101051_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220200601T114710_20200601T114801_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220200601T132700_20200601T132710_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220200601T164949_20200601T165301_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220200601T201917_20200601T202711_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220200601T234418_20200601T234503_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_220200531T234135_20200601T001527_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_2_20200601T002833_20200601T003012_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_2_20200601T014532_20200601T015435_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_2_20200601T045333_20200601T045704_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_2_20200601T053709_20200601T054549_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_2_20200601T055209_20200601T060344_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_220200601T071207_20200601T071519_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_220200601T072039_20200601T072527_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_220200601T075832_20200601T082056_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_220200601T093758_20200601T094157_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_220200601T103323_20200601T103354_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_220200601T113855_20200601T114115_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_220200601T115333_20200601T115428_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_220200601T135839_20200601T142014_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_220200601T144857_20200601T145514_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_220200601T152641_20200601T155916_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_220200601T170653_20200601T172109_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_220200601T172314_20200601T173830_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_220200601T181143_20200601T182415_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_220200601T185047_20200601T185524_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_220200601T185851_20200601T190133_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_220200601T193151_20200601T200512_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_220200601T203444_20200601T205627_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_220200601T211055_20200601T213630_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:

2/

Product	Test Failed	Description
CS_OFFL_SIR_FDM_2_20200531T234135_20200601T001527_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_20200601T002833_20200601T003012_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_220200601T014532_20200601T015435_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_20200601T045333_20200601T045704_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_220200601T053709_20200601T054549_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_20200601T055209_20200601T060344_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_20200601T071207_20200601T071519_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_220200601T072039_20200601T072527_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_220200601T075832_20200601T082056_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_20200601T093758_20200601T094157_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_220200601T103323_20200601T103354_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_220200601T113855_20200601T114115_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_20200601T115333_20200601T115428_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_20200601T135839_20200601T142014_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_20200601T144857_20200601T145514_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_220200601T152641_20200601T155916_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_220200601T170653_20200601T172109_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_220200601T172314_20200601T173830_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_220200601T181143_20200601T182415_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_220200601T185047_20200601T185524_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_20200601T185851_20200601T190133_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_220200601T193151_20200601T200512_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_220200601T203444_20200601T205627_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

CS\_OFFL\_SIR\_FDM\_2\_\_20200601T211055\_20200601T213630\_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:

Description of the comment of the co	Product	Test Failed	Description
CS OPPL SR PLOX 2 2000001100083 200001100085 20001  Open Relanking Dailty Plog Relanking	CS_OFFL_SIR_FDM_220200531T234135_20200601T001527_C001	Ocean Retracking Quality Flag	
CS OPEL SIR FOW 2 20200011191932 2020001191920 C031  CS OPEL SIR FOW 2 2020001192033 202000119203 C031  CS OPEL SIR FOW 2 202000119203 202000119203 C031  CS OPEL SIR FOW 2 202000119203 202000119203 C031  CS OPEL SIR FOW 2 202000119203 20200011920 C031  CS OPEL SIR FOW 2 202000119203 202000119204 C031  CS OPEL SIR FOW 2 202000119203 202000119204 C031  CS OPEL SIR FOW 2 202000119203 20200119204 C031  CS OPEL SIR FOW 2 202000119203 202000119204 C031  CS OPEL SIR FOW 2 2020000119203 202000119203 C031  CS OPER SIR FOW 2 20200001192	CS_OFFL_SIR_FDM_220200601T002833_20200601T003012_C001	Ocean Retracking Quality Flag	
Corp. Set 10M. 2. 20000011100100 20000100100100 2001  Corp. Set 10M. 2. 20000011001001 20000100100100 2001  Corp. Set 10M. 2. 20000011001000 2000011001000 2001  Corp. Set 10M. 2. 200000110010000 2000011001000 2001  Corp. Set 10M. 2. 200000011001000 2000011001000 2001  Corp. Set 10M. 2. 200000011001000 2000011001000 2001  Corp. Set 10M. 2. 2000000110010000 2000011001000 2001  Corp. Set 10M. 2. 200000011001000 200001001000000100000000	CS OFFL SIR FDM 2 20200601T014532 20200601T015435 C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
SQ GPTL_SIR_FDM_2_2020061703093_2020007103059_C001  Oean Retraining Quality Flag  Oean Retrainin			•
S. OFT. S. P. FUM. 2. 200000111000001 200000 10000000 1000000 10000000 10000000			·
Spirft_Birt_Dirt_2_2000001103086_000001103082_0000  Commitmentary quality Plag  The Commitment	CS_OFFL_SIR_FDM_220200601T030031_20200601T030539_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
SO OFFL. SR P. DNJ. 2_20000001100340_2000001100340_0000001100340_000001100340_000001100340_000001100340_000001100340_000001100340_00000	CS_OFFL_SIR_FDM_220200601T030548_20200601T031239_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
So GPTE_SR_POW_2_0000001T06358_000001T06358_000001T06358_00000001T06358_000001T06358_0000001T06358_000000000000000000000000000000000000	CS_OFFL_SIR_FDM_220200601T031348_20200601T033222_C001	Ocean Retracking Quality Flag	
Co GPFL_SR_FDM_2_concentrations_color_processo	CS_OFFL_SIR_FDM_220200601T045333_20200601T045704_C001	Ocean Retracking Quality Flag	
CS_CPFL_SIR_FDM_2_200000171063079_20000017106344_C001  CS_CPFL_SIR_FDM_2_200000171062084_20000017105332_C001  CS_CPFL_SIR_FDM_2_200000171062084_20000017105352_C001  CS_CPFL_SIR_FDM_2_200000171062084_20000017105352_C001  CS_CPFL_SIR_FDM_2_20000017105352_20000017105352_C001  CS_CPFL_SIR_FDM_2_20000017105352_C0000017105354_C001  CS_CPFL_SIR_FDM_2_20000017105352_2000001705352_C001  CS_CPFL_SIR_FDM_2_20000017105352_2000001705352_C001  CS_CPFL_SIR_FDM_2_20000017105352_C000001705352_C001  CS_CPFL_SIR_FDM_2_20000017105352_C000001705352_C001  CS_CPFL_SIR_FDM_2_20000017105352_2000001705237_C001  CS_CPFL_SIR_FDM_2_20000017105352_C000001705237_C001  CS_CPFL_SIR_FDM_2_2000001705352_C000001705237_C001  CS_CPFL_SIR_FDM_2_20000001705352_C001  CS_CPFL_SIR_FDM_2_200000071705352_C000001705354_C001  CS_CPFL_SIR_FDM_2_200000071705352_C000001705354_C001  CS_CPFL_SIR_FDM_2_200000071705354_C001  CS_CPFL_SIR_FDM_2_200000071705354_C001  CS_CPFL_SIR_FDM_2_200000071705354_C001  CS_CPFL_SIR_FDM_2_200000071705354_C001  CS_CPFL_SIR_FDM_2_200000071705354_C001  CS_CPFL_SIR_FDM_2_200000071705354_C001  CS_CPFL_SIR_FDM_2_200000071705354_C001  CS_CPFL_SIR_FDM_2_200000071705354_C00	CS_OFFL_SIR_FDM_220200601T050145_20200601T050842_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_2_20000011005049_2000001100534_0001 CS_OFFL_SIR_FDM_2_2000001100648_20000011005352_001 CS_OFFL_SIR_FDM_2_2000001100648_20000011005352_001 CS_OFFL_SIR_FDM_2_2000001100648_20000011005352_001 CS_OFFL_SIR_FDM_2_2000001100648_2000001107557_001 CS_OFFL_SIR_FDM_2_20000011076509_2000001107557_001 CS_OFFL_SIR_FDM_2_20000011076509_2000001107557_001 CS_OFFL_SIR_FDM_2_20000011076509_2000001107557_001 CS_OFFL_SIR_FDM_2_20000011076509_2000001107557_001 CS_OFFL_SIR_FDM_2_20000011076509_2000001107557_001 CS_OFFL_SIR_FDM_2_20000011075509_2000001107557_001 CS_OFFL_SIR_FDM_2_20000011075509_2000001107557_001 CS_OFFL_SIR_FDM_2_2000001107559_200001 CS_OFFL_SIR_FDM_2_2000001107559_200001107559_001 CS_OFFL_SIR_FDM_2_2000001107559_200001107559_001 CS_OFFL_SIR_FDM_2_2000001107559_200001 CS_OFFL_SIR_FDM_2_2000001107559_200001100559_001 CS_OFFL_SIR_FDM_2_2000001107559_200001 CS_OFFL_SIR_FDM_2_2000001107559_200001 CS_OFFL_SIR_FDM_2_2000001107559_200001 CS_OFFL_SIR_FDM_2_2000001107559_200001 CS_OFFL_SIR_FDM_2_2000001107559_200001 CS_OFFL_SIR_FDM_2_2000001107559_200001 CS_OFFL_SIR_FDM_2_2000001107559_200001 CS_OFFL_SIR_FDM_2_2000001110559_200001 CS_OFFL_SIR_FDM_2_2000001110559_200001 CS_OFFL_SIR_FDM_2_20000001110559_200001 CS_OFFL_SIR_FDM_2_20000001110559_200001 CS_OFFL_SIR_FDM_2_20000001110559_200001 CS_OFFL_SIR_FDM_2_20000001110559_2000001 CS_OFFL_SIR_FDM_2_20000001110559_200001 CS_OFFL_SIR_FDM_2_20000001110559_200001 CS_OFFL_SIR_FDM_2_20000001110559_200001 CS_OFFL_SIR_FDM_2_20000001110559_200001 CS_OFFL_SIR_FDM_2_20000001110559_200001 CS_OFFL_SIR_FDM_2_20000001110559_200001 CS_OFFL_SIR_FDM_2_20000001110559_200001 CS_OFFL_SIR_FDM_2_20000001110559_200001 CS_OFFL_SIR_FDM_2_20000001110559_2000001110559_200001 CS_OFFL_SIR_FDM_2_20000001110559_2000001110559_200001 CS_OFFL_SIR_FDM_2_20000001110559_2000001110559_200001 CS_OFFL_SIR_FDM_2_20000001110559_2000001110559_2000001110559_2000001110559_2000001110559_2000001110559_2000001110559_2000001110559_2000001110559_2000001110559_2000001110559_2000001110559_2000001110559_2000001110559_	CS_OFFL_SIR_FDM_220200601T053709_20200601T054549_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
Ocean Retracting Quality Flag  So PFL SR, FDM 2_202000011083912_20200001109394_C001  Ocean Retracting Quality Flag  Return Retur			The Ocean Retracking Quality Flag is set indicating the CFI Ocean
Ocean Retracking Quality Flag  Fig. FDM 2_02000011098312_202000011797507_0001  Ocean Retracking Quality Flag  Fig. FDM 2_0200000110775082_02000011797507_0001  Ocean Retracking Quality Flag  Fig. FDM 2_020000011075082_02000011797507_0001  Ocean Retracking Quality Flag  Fig. FDM 2_020000011075082_02000011797507_0001  Ocean Retracking Quality Flag  Fig. FDM 2_020000011075082_020000011797507_0001  Ocean Retracking Quality Flag  Fig. FDM 2_020000011075082_020000011797507_0001  Ocean Retracking Quality Flag  Fig. FDM 2_020000011075082_020000011075082_0001  Ocean Retracking Quality Flag  Fig. FDM 2_020000011075082_02000011075082_0001  Ocean Retracking Quality Flag  Fig. FDM 2_020000011075082_02000011075082_0001  Ocean Retracking Quality Flag  Fig. FDM 2_02000011075082_02000011075082_0001  Ocean Retracking Quality Flag  Fig. FDM 2_02000011076082_02000011076082_0001  Ocean Retracking Quality Flag  Fig. FDM 2_02000011076082_0200001110029_0001  Ocean Retracking Quality Flag  Fig. FDM 2_02000011100828_00001  Ocean Retracking Quality Flag  Fig. FDM 2_02000011100828_000001  Ocean Retracking Quality Flag  Fig. FDM 2_020000011100828_000001  Ocean Retracking Quality Flag  Fig. FDM 2_020000011100828_000001  Ocean Retracking Quality Flag  Fig. FDM 2_020000011100828_000001  Ocean Retracking Quality Flag  Fig. FDM 2_020000011100828_00000011100828_00001  Ocean Retracking Quality Flag  Fig. FDM 2_020000011100828_000001  Ocean Retracking Quality Flag  Fig. FDM 2_020000011100828_000001  Ocean Retracking Quality Flag  Fig. FDM 2_020000011100828_000001  Ocean Retracking Quality Flag  Ocean Retra			•
SO OPEL, SIR, FDM 2, 202000011701707.202000011701919, CODI  SO OPEL, SIR, FDM 2, 202000011701910, 202000011701919, CODI  CODE Retracting Quality Flag  The Code Retracting Quali			Retracker was not successfully executed for one or more records.
Seg. OFFL_SIR_FDM_2_20200001107369_20200001107395_CD01  Ocean Retracking Quality Flag  Cocan	CS_OFFL_SIR_FDM_220200601T063512_20200601T065044_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
So GPFL_SIR_FDM_2_20000011707039_200001170321_CO01  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag  Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag  Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag  Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag  Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag  Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag  Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag  Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag  Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag  Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag  Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag  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 success	CS_OFFL_SIR_FDM_220200601T071207_20200601T071519_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
Seg OFFL_SIR_FDM_2_20200011078592_20200011092056_001  Ocean Retracking Quality Flag Cocan Retracking Plag Coca	CS_OFFL_SIR_FDM_220200601T071650_20200601T071916_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20200001109532_20200001109210_0001  Osean Retracking Quality Flag is set indicating the CFI Osean Retracking Quality Flag is set indicating for CFI Osean Retracking Quality Flag is set indicating for CFI Osean Retracking Quality Flag is	CS_OFFL_SIR_FDM_220200601T072039_20200601T072527_C001	Ocean Retracking Quality Flag	
Ocean Retracking Quality Flag From 2_202006011093758_202006011094157_C001  Ocean Retracking Quality Flag Retracking Quality Fl	CS_OFFL_SIR_FDM_220200601T075832_20200601T082056_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
Dec	CS_OFFL_SIR_FDM_220200601T085901_20200601T092310_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
Ocean Retracking Quality Flag  Cores, Sir, FDM_2_20200001T103323_20200001T1103254_C001  Ocean Retracking Quality Flag  The Obcean Retracking Quality Flag  The Obcan Retracking Quality Flag  T	CS OFFL SIR FDM 2 20200601T093758 20200601T094157 C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
Osean Retracking Quality Flag Cosean Retracking Quality Flag C			The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_2_20200601T103515_20200601T113204_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag			·
CS_OFFL_SIR_FDM_2_20200001111820_82020001111820_CO01  CS_OFFL_SIR_FDM_2_20200001111820_82020001111820_CO01  CS_OFFL_SIR_FDM_2_20200001111825_82020001111834_CO01  CS_OFFL_SIR_FDM_2_20200001111833_82020001111834_CO01  CS_OFFL_SIR_FDM_2_20200001111833_82020001111834_CO01  CS_OFFL_SIR_FDM_2_20200001111833_82020001111834_CO01  CS_OFFL_SIR_FDM_2_2020000111833_820200001118345_CO01  CS_OFFL_SIR_FDM_2_2020000111833_820200001118345_CO01  CS_OFFL_SIR_FDM_2_2020000111833_820200001118345_CO01  CS_OFFL_SIR_FDM_2_2020000111833_820200001118345_CO01  CS_OFFL_SIR_FDM_2_2020000111830_8202000011183552_CO01  CS_OFFL_SIR_FDM_2_2020000111830_8202000011183552_CO01  CS_OFFL_SIR_FDM_2_2020000111830_820200001118451_CO01  CS_OFFL_SIR_FDM_2_20200001118358_8202000011142014_CO01  CS_OFFL_SIR_FDM_2_20200001114851_820200011145514_CO01  CS_OFFL_SIR_FDM_2_20200001114857_820200011145514_CO01  CS_OFFL_SIR_FDM_2_20200001114857_820200011145514_CO01  CS_OFFL_SIR_FDM_2_20200001114857_820200011145514_CO01  CS_OFFL_SIR_FDM_2_20200001114857_820200011145514_CO01  CS_OFFL_SIR_FDM_2_20200001114857_820200011145514_CO01  CS_OFFL_SIR_FDM_2_20200001114857_820200011145514_CO01  CS_OFFL_SIR_FDM_2_20200001114857_820200011145914_CO01  CS_OFFL_SIR_FDM_2_20200001114857_820200011145914_CO01  CS_OFFL_SIR_FDM_2_20200001114857_820200011145914_CO01  CO000001114857_8202000011145914_CO01  CO000001114857_8202000011145914_CO01  CO000001114857_8202000011145914_CO01  CO0000001114857_820200001116901_CO01  CO0000000001114857_820200001116901_CO01  CO00000001114857_820200001116903_CO01  CO00000000000000000000000000000000			•
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CS_OFFL_SIR_FDM_2_20200601T172314_20200601T173830_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20200601T185047_20200601T185524_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_20200601T185851_20200601T190133_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_20200601T193151_20200601T200512_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20200601T193151_20200601T200820_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Qualit	CS_OFFL_SIR_FDM_220200601T170653_20200601T172109_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20200601T175509_20200601T180523_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20200601T185047_20200601T185524_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20200601T193151_20200601T200512_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20200601T200738_20200601T200820_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one	CS_OFFL_SIR_FDM_220200601T172314_20200601T173830_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_2_20200601T181143_20200601T182415_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20200601T193151_20200601T200820_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.	CS_OFFL_SIR_FDM_220200601T175509_20200601T180523_C001	Ocean Retracking Quality Flag	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_20200601T193151_20200601T200512_C001  CS_OFFL_SIR_FDM_2_20200601T200738_20200601T200820_C001  CS_OFFL_SIR_FDM_2_20200601T200738_20200601T200820_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI O			Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_2_20200601T193151_20200601T200820_C001  CS_OFFL_SIR_FDM_2_20200601T200738_20200601T200820_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 Retracking Quality Flag is set indi		Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_2_202000011200736_202000011200620_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	CS_OFFL_SIR_FDM_220200601T193151_20200601T200512_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
	CS_OFFL_SIR_FDM_220200601T200738_20200601T200820_C001	Ocean Retracking Quality Flag	
	CS_OFFL_SIR_FDM_220200601T203444_20200601T205627_C001	Ocean Retracking Quality Flag	

CS_OFFL_SIR_FDM_220200601T211055_20200601T213630_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_220200601T213641_20200601T213911_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_220200601T221055_20200601T223630_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_20200601T234701_20200601T235541_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.

## 7. QCC Report Analysis

The Quality Control for CryoSat (QCC) facility performs a primary survey of data products immediately after production by the PDS and LTA processing facilities. A list of the tests which raised errors or warnings is provided below.

Product type	Nb. Products	Nb. QCC Reports	Nb. Valid	Nb. Warnings	Nb. Errors
SIR1LRM_0_	162	162	162	0	0
SIR1SAR_0_	134	134	134	0	0
SIR1SIN_0_	113	113	113	0	0
SIR2SIN_0_	117	117	117	0	0
SIR_FDM_1B	162	162	4	0	158
SIR FDM 2	160	160	102	58	0

## 7.1 QCC Errors

Number of QCC reports with errors: 158

### 7.2 QCC Warnings

Number of QCC reports with warnings

# 7.3 Missing QCC Reports

Number of products with missing QCC reports:

0