



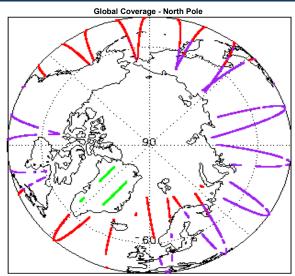
## 1. Overview

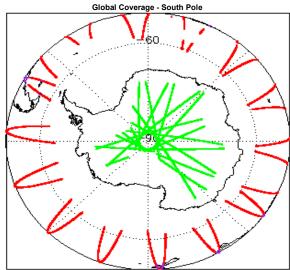
Report Production Date:	10-Jun-2019
Processor Used:	CryoSat Ice Processor
Data Used:	L1 and L2 Fast Delivery Marine (FDM)

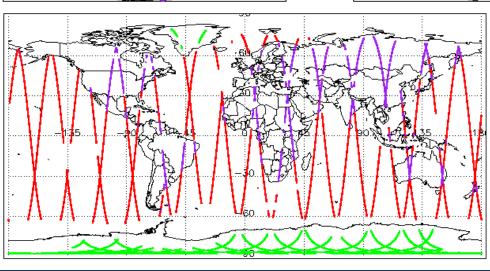
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2, 5.2 and 6.2
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check	Nominal
Auxiliary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

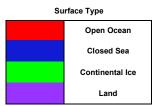
Mission / Instrument News		
08-Jun-2019	None	
09-Jun-2019	None	
10-Jun-2019	Nothing planned	

# 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_0_20190609T210006_20190609T211036_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020190609T125715_20190609T130427_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020190609T170433_20190609T171007_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020190609T155233_20190609T160030_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020190609T042537_20190609T043341_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020190609T010853_20190609T011122_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020190609T083458_20190609T083616_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020190609T122802_20190609T122815_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS OPER SIR1SIN 0 20190609T050744 20190609T051135 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_20190609T040621_20190609T041317_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20190609T041317_20190609T041536_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20190609T054944_20190609T055049_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20190609T055049_20190609T055300_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20190609T072849_20190609T073016_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20190609T090905_20190609T091207_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20190609T091208_20190609T091252_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20190609T143505_20190609T145854_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20190609T150327_20190609T150703_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20190609T150711_20190609T150720_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20190609T150726_20190609T151053_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20190609T151414_20190609T152805_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20190609T153054_20190609T154203_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20190609T154206_20190609T154213_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_20190609T040621_20190609T041317_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20190609T054944_20190609T055049_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20190609T090905_20190609T091207_C001	No Star Tracker file used in the processing of this product

### 5.4 L1B FDM Calibration Usage Check

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

Number of products with errors:

#### 5.5 L1B FDM Auxilary Data File Usage Check

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

Number of products with errors:

### 5.6 L1B FDM Auxiliary Correction Error Check

CryoSat L1B data includes a correction error flag (field 54) for each measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

#### 5.7 L1B FDM Measurement Confidence Data Check

CryoSat L1B data includes a measurement confidence flag (field 18) for each measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20190609T040621_20190609T041317_C001	Attitude correction missing	The attitude has not been corrected

CS\_OFFL\_SIR\_FDM\_1B\_20190609T054944\_20190609T055049\_C001

Attitude correction missing

The attitude has not been corrected

CS\_OFFL\_SIR\_FDM\_1B\_20190609T090905\_20190609T091207\_C001

Attitude correction missing

The attitude has not been corrected

### 6. Level 2 FDM Data Quality Check

#### 6.1 L2 FDM Product Format Check

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

Number of products with errors:

## 6.2 L2 FDM Product Header Analysis

For all products, a series of pre-defined checks are carried out on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.

Number of products with errors:

14

Product	Test Failed
CS_OFFL_SIR_FDM_220190609T154206_20190609T154213_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220190609T151414_20190609T152805_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220190609T041317_20190609T041536_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220190609T090905_20190609T091207_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220190609T150327_20190609T150703_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220190609T055049_20190609T055300_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220190609T153054_20190609T154203_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220190609T054944_20190609T055049_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220190609T040621_20190609T041317_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220190609T150726_20190609T151053_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220190609T143505_20190609T145854_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220190609T150711_20190609T150720_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220190609T091208_20190609T091252_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20190609T072849_20190609T073016_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:

36

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220190609T000145_20190609T000603_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_220190609T003808_20190609T004050_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_220190609T012623_20190609T014650_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_220190609T030222_20190609T032552_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190609T054346_20190609T054520_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_220190609T061004_20190609T064337_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_220190609T070708_20190609T071658_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_220190609T073311_20190609T073703_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_220190609T080130_20190609T082239_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_220190609T083935_20190609T085910_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_220190609T090005_20190609T090424_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_220190609T091208_20190609T091252_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_220190609T092624_20190609T092931_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190609T092934_20190609T100147_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_220190609T103355_20190609T105043_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_220190609T111234_20190609T112404_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_220190609T112608_20190609T114046_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_220190609T115737_20190609T120958_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_220190609T121439_20190609T122614_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_220190609T130530_20190609T131956_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190609T133538_20190609T140107_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_220190609T143505_20190609T145854_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_220190609T153054_20190609T154203_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_220190609T161334_20190609T163849_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_220190609T174058_20190609T174406_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_220190609T181306_20190609T181428_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_220190609T181628_20190609T181743_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_220190609T183340_20190609T190829_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_220190609T191933_20190609T192114_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_220190609T193901_20190609T195615_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190609T201222_20190609T204826_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_220190609T211037_20190609T213319_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_220190609T220014_20190609T220632_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_220190609T221351_20190609T222815_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_220190609T233112_20190609T234616_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_220190609T234817_20190609T235739_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_220190609T040621_20190609T041317_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220190609T054944_20190609T055049_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220190609T090905_20190609T091207_C001	Attitude correction missing	The attitude has not been corrected

## 6.6 L2 FDM Range Measurement Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220190609T000145_20190609T000603_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_220190609T003808_20190609T004050_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_220190609T012623_20190609T014650_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_220190609T054346_20190609T054520_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_220190609T070708_20190609T071658_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_220190609T080130_20190609T082239_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_220190609T083935_20190609T085910_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_220190609T090005_20190609T090424_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_220190609T092934_20190609T100147_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_220190609T103355_20190609T105043_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_220190609T111234_20190609T112404_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_220190609T112608_20190609T114046_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_220190609T115737_20190609T120958_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_220190609T121439_20190609T122614_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_220190609T133538_20190609T140107_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_220190609T143505_20190609T145854_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_220190609T153054_20190609T154203_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_220190609T161334_20190609T163849_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_220190609T174058_20190609T174406_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_220190609T201222_20190609T204826_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_220190609T211037_20190609T213319_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_220190609T220014_20190609T220632_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_220190609T221351_20190609T222815_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_220190609T233112_20190609T234616_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_220190609T234817_20190609T235739_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:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_2 _20190609T000145_20190609T000603_C001	CFI Backscatter Status Flag, SWH	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
	Squared Averaging Status Flag	ignored for these records.
CS_OFFL_SIR_FDM_220190609T003808_20190609T004050_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
	Squared Averaging Status Flag	ignored for these records.
CS_OFFL_SIR_FDM_220190609T012623_20190609T014650_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_220190609T054346_20190609T054520_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_220190609T070708_20190609T071658_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_220190609T080130_20190609T082239_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_220190609T083935_20190609T085910_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_220190609T090005_20190609T090424_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_20190609T092934_20190609T100147_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_220190609T103355_20190609T105043_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_220190609T111234_20190609T112404_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_220190609T112608_20190609T114046_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_20190609T115737_20190609T120958_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_20190609T121439_20190609T122614_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_220190609T133538_20190609T140107_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_220190609T143505_20190609T145854_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_220190609T153054_20190609T154203_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_20190609T161334_20190609T163849_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_220190609T174058_20190609T174406_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_220190609T201222_20190609T204826_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_220190609T211037_20190609T213319_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_20190609T220014_20190609T220632_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_20190609T221351_20190609T222815_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_220190609T233112_20190609T234616_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_220190609T234817_20190609T235739_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.

### 6.8 L2 FDM Ocean Retracking Quality Check

CryoSat L2 data includes an ocean retracking quality flag (field 66) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

13

CO_CPT_SR_CPU_2_C000000710000_C00000710000_C000 CO_CPT_SR_CPU_2_C000000710000_C00000710000_C000 CO_CPT_SR_CPU_2_C00000071000000710000_C000 CO_CPT_SR_CPU_2_C00000071000007100000000000000000000000	Product	Test Failed	Description
COUNT, SET COURT, 201900071000000 2019007100000 COUNT OCEAN Petrology Custly Plag  COUNT, SET COURT, 2019000710000000000000000000000000000000			The Ocean Retracking Quality Flag is set indicating the CFI Ocean
Carge-Lags Hap 2_2019889710149_01960007191290_0000007191290_0000071912			•
SCOPEL BIT FOR 2 _ 2015000001191000000000000000000000000000		Ocean Retracking Quality Flag	·
Count   Principle   Count	CS_OFFL_SIR_FDM_220190609T003808_20190609T004050_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
South File M. 2. Johnstooth Case J. Vision Control (Section File Management) and price of the Control of the Co	CS_OFFL_SIR_FDM_220190609T011456_20190609T012046_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
Seath relation (p. 24) 1 (1900) 1 (1900) 2 (1900) 2 (1900	CS_OFFL_SIR_FDM_220190609T012329_20190609T012620_C001	Ocean Retracking Quality Flag	
CS_OFT_SR_FDM_2_0180001700272_019080070222_0100 Owan Retracking Quality Flag  All Common Retracking Qu	CS_OFFL_SIR_FDM_220190609T012623_20190609T014650_C001	Ocean Retracking Quality Flag	
CS_OFF_SR_FOW_2_0190007104182_0190007104282_0010  Coen Removing Quality Flag  The Coens Retacking Quality Flag is not indicating the CFI Dustin Removing Quality Flag  CS_OFF_SR_FOW_2_0190007104183_01900007104385_0011  CS_OFF_SR_FOW_2_01900007104381_01900007104385_0011  CS_OFF_SR_FOW_2_01900007104381_01900007104385_0010  CS_OFF_SR_FOW_2_01900007104381_01900007104385_00101  CS_OFF_SR_FOW_2_01900007104381_01900007104380_00101  CS_OFF_SR_FOW_2_01900007104381_01900007104380_00101  CS_OFF_SR_FOW_2_019000071050380_0190000710572_0010  CS_OFF_SR_FOW_2_01900007105030_0190000710572_0010  CS_OFF_SR_FOW_2_01900007105030_0190000710572_0010  CS_OFF_SR_FOW_2_01900007105030_0190000710572_0010  CS_OFF_SR_FOW_2_01900007105030_0190000710572_0010  CS_OFF_SR_FOW_2_01900007105030_0190000710572_0010  CS_OFF_SR_FOW_2_01900007105030_0190000710572_0010  CS_OFF_SR_FOW_2_01900007105030_0190000710572_0010  CS_OFF_SR_FOW_2_01900007105030_0190000710572_0010  CS_OFF_SR_FOW_2_01900007105030_0190000710572_0010  CS_OFF_SR_FOW_2_01900007105030_01900007105720_0010  CS_OFF_SR_FOW_2_01900007105030_01900007105720_0010  CS_OFF_SR_FOW_2_01900007105030_01900007105720_0010  CS_OFF_SR_FOW_2_01900007105030_01900007105720_0010  CS_OFF_SR_FOW_2_01900007105030_01900007105720_0010  CS_OFF_SR_FOW_2_01900007105030_01900007105030_01000007105030_01000007105030_0100007105030_0100007105030_0100007105030_0100007105030_0100007105030_0100007105030_0100007105030_01000007105030_010	CS_OFFL_SIR_FDM_220190609T020156_20190609T022507_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS. OFFL. SIR. FDM. 2. 20190009T004103. 20190009T004252. CO01  Osean Retrocking Quality Flag The Osean Retro	CS OFFL SIR FDM 2 20190609T030222 20190609T032552 C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFT_SIR_FOM_2_01000007104391_201000007104392_C010  Doesn Retracking Quality Flag The Obean Retracking Qua		Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CB_OFFL_SIR_FDM_2_201900007105439_20000  CB_OFFL_SIR_FDM_2_201900007105439_20100007105450_0001  CB_OFFL_SIR_FDM_2_201900007105439_201000007105450_0001  CB_OFFL_SIR_FDM_2_201900007105439_201000007105450_0001  CB_OFFL_SIR_FDM_2_201900007105439_201000007105450_0001  CB_OFFL_SIR_FDM_2_201900007105439_201000007105450_0001  CB_OFFL_SIR_FDM_2_201900007105403_201000007105450_0001  CB_OFFL_SIR_FDM_2_201900007105403_201000007105450_0001  CB_OFFL_SIR_FDM_2_201900007105403_201000007105450_0001  CB_OFFL_SIR_FDM_2_201900007105403_201000007105400_0001  CB_OFFL_SIR_FDM_2_201900007105403_201000007105400_0001  CB_OFFL_SIR_FDM_2_201900007105403_201000007105400_0001  CB_OFFL_SIR_FDM_2_201900007105403_201000007105400_0001  CB_OFFL_SIR_FDM_2_201900007105403_201000007105400_0001  CB_OFFL_SIR_FDM_2_201900007105403_201000007105400_0001  CB_OFFL_SIR_FDM_2_201900007105403_201000007105400_0001  CB_OFFL_SIR_FDM_2_201900007105403_201000007105400_0001  CB_OFFL_SIR_FDM_2_201900007105403_201000007105400_0001  CB_OFFL_SIR_FDM_2_201900007105400007105400_0001  CB_OFFL_SIR_FDM_2_201900007105400007105400_0001  CB_OFFL_SIR_FDM_2_201900007105400007105400_0001  CB_OFFL_SIR_FDM_2_201900007110540_0001  CB_OFFL_SIR_FDM_2_201900007110540_000007105400_0001  CB_OFFL_SIR_FDM_2_201900007110540_000007105400_0001  CB_OFFL_SIR_FDM_2_201900007110540_000007105400_0001  CB_OFFL_SIR_FDM_2_201900007110540_000007105400_0001  CB_OFFL_SIR_FDM_2_201900007110540_000007105400_0001  CB			
Ocean Retracking Quality Flag  Cert Cort Cort Cort Cort Cort Cort Cort Co			·
Desin Netrocking Joulity Filig  See, OFFL_SIR_FDM_2_2019000971050500_201900097105737_20010  Desin Netrocking Quality Filig  The Comen Retracking Quality Filig  Edition was not successfully executed for one or more records.  The Comen Retracking Quality Filig is set indexing the CFI Comen  Retracking Quality Filig  Edition was not successfully executed for one or more records.  The Comen Retracking Quality Filig is set indexing the CFI Comen  Retracking Quality F	CS_OFFL_SIR_FDM_220190609T052722_20190609T054240_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
Sc., OFFL_SR_FINU_2_co190000710707459_01900007107544_C001  Ocean Retracking Quality Flag Cocan Retracking Quality Flag Retrack	CS_OFFL_SIR_FDM_220190609T054346_20190609T054520_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
CS_OFFL_SR_FINA_2_201900007107049_019000071070529_0001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag	CS_OFFL_SIR_FDM_220190609T055630_20190609T055732_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_2_20190000T074759_20190000T075944_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20190000T080035_20190000T080510_C001  Ocean Retracking Quality Flag  Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20190000T080035_20190000T080540_C001  Ocean Retracking Quality Flag  Ocean Retracki	CS_OFFL_SIR_FDM_220190609T070708_20190609T071658_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20100007103032_20100007100307_C001  Coen Retracking Quality Flag Retracking Quality	CS_OFFL_SIR_FDM_220190609T074759_20190609T075844_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_201900007108935_201900007108930_C001  Coan Retracking Quality Flag Retracking Qualit	CS_OFFL_SIR_FDM_220190609T080130_20190609T082239_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_2_201900007109005_201900007109042_4_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_201900007102042_201900007100147_C001  Ocean Retracking Quality Flag  Ocean Retracking Quality Flag  The 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 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 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 Qual	CS_OFFL_SIR_FDM_220190609T083935_20190609T085910_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_2_201906997192824_20190699710047_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the C	CS OFFL SIR FDM 2 20190609T090005 20190609T090424 C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_2_20190609710334_201906097110345_CO01  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality			The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_2_20190009T11049_20190009T110583_20190009T110583_20190009T11058_CO10  Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20190009T110456_20190009T11058_CO10  Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20190009T110456_20190009T110404_CO10  Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20190009T110456_20190009T110404_CO10  Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20190009T110577_20190009T110596_CO10  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 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			•
CS_OFF_SIR_FDM_2_201900097110240_201900097110355_201900097110584_COU1  Ocean Retracking Quality Flag  The Create Retracking Vascuated for one or more records. The Create Retracking Quality Flag  The Create Retracking Vascuated for one or more records. The Create Retracking Quality Flag  The Create Retracking Vascuated for one or more records. The Create Retracking Quality Flag  The Create Retracking Quality Flag  The Create Retracking Vascuated for one or more records. The Create Retracking Quality Flag  The Create Retracking Vascuated for one or more records. The Create Retracking Quality Flag  The Create Retracking Vascuated for one or more records. The Create Retracking Quality Flag  The Create Retracking Quality Flag  The Create Retracking Vascuated for one or more records. The Create Retracking Quality Flag  The Create Retracking Vascuated for one or more records. The Create Retracking Va			Retracker was not successfully executed for one or more records.
CS_OFF_SIR_FDM_2_01900097110456_201900097111056_C001  Ocean Retracking Quality Flag The Carean Retracking Quality Flag Th	CS_OFFL_SIR_FDM_220190609T102044_20190609T103312_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_201906097111234_20190609711204_C001 Ocean Retracking Quality Flag The Cean Retracking Quality Plag Is set indicating the CFI Ocean Retracking Quality Plag The Cean Retracking Quality Plag Is set indicating the CFI Ocean Retracking Quality Plag The Cean Retracking Quality Plag Is set indicating the CFI Ocean Retracking Quality Plag The Cean Retracking Quality Plag Is set indicating the CFI Ocean Retracking Quality Plag Is set indicating	CS_OFFL_SIR_FDM_220190609T103355_20190609T105043_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_2_201900097112434_201900097112406_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 indica	CS_OFFL_SIR_FDM_220190609T110456_20190609T111058_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_2_20190097115737_20190097112056S_C001  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 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 Quality Flag is set i	CS_OFFL_SIR_FDM_220190609T111234_20190609T112404_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20190609T115737_20190609T120958_C001  Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the	CS_OFFL_SIR_FDM_220190609T112608_20190609T114046_C001	Ocean Retracking Quality Flag	
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CS_OFFL_SIR_FDM_2_201906091231425_C001  CS_OFFL_SIR_FDM_2_20190609T231425_C001  CS_OFFL_SIR_FDM_2_20190609T231425_C001  CS_OFFL_SIR_FDM_2_20190609T233112_20190609T234616_C001  CS_OFFL_SIR_FDM_2_20190609T233112_20190609T234616_C001  CS_OFFL_SIR_FDM_2_20190609T233112_20190609T234616_C001  CS_OFFL_SIR_FDM_2_20190609T233112_20190609T234616_C001  CS_OFFL_SIR_FDM_2_20190609T233112_20190609T234616_C001  CS_OFFL_SIR_FDM_2_20190609T233112_20190609T235739_C001  CS_OFFL_SIR_FDM_2_20190609T23405709_C001  CS_OFFL_SIR_FDM_2_20190609T23405709_C001  CS_OFFL_SIR_FDM_2_20190609T23405709_C001  CS_OFFL_			
CS_OFFL_SIR_FDM_2_20190609T233112_20190609T234616_C001  CS_OFFL_SIR_FDM_2_20190609T233112_20190609T234616_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			*
CS_OFFL_SIR_FDM_2_201906091233112_201906091234616_C001  Ocean Retracking Quality Flag  Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_201906091233112_201906091234616_C001  Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_201906091233112_201906091234616_C001  Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_201906091233112_201906091234616_C001			Retracker was not successfully executed for one or more records.
	CS_OFFL_SIR_FDM_220190609T233112_20190609T234616_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
	CS_OFFL_SIR_FDM_220190609T234817_20190609T235739_C001	Ocean Retracking Quality Flag	

# 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
SIR_FDM_1B	147	147	147	0	0
SIR_FDM_2	146	114	114	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:	111		