

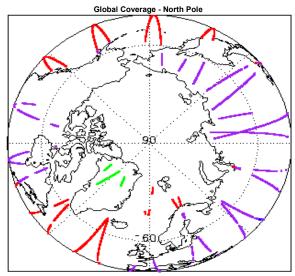
## 1. Overview

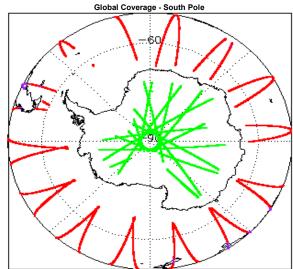
Report Production Date:	27-Feb-2020
Processor Used:	CryoSat Ice Processor
Data Used:	L1 and L2 Fast Delivery Marine (FDM)  Mode and L0 Data

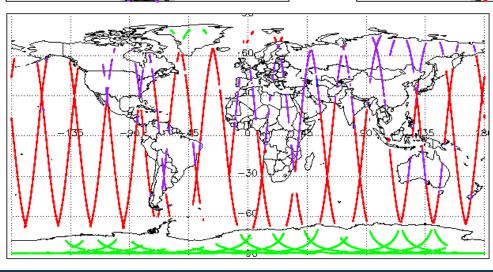
Check	Status
Clieck	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2, 5.2 and 6.2
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check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

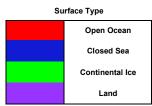
Mission / Instru	ment News
25-Feb-2020	None
26-Feb-2020	None
27-Feb-2020	Nothing planned

## 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:

Product	Test Failed
CS_OPER_SIR1SAR_020200226T054058_20200226T054408_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020200226T111308_20200226T111654_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020200226T131306_20200226T131327_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020200226T135221_20200226T135318_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020200226T152800_20200226T153739_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020200226T153743_20200226T153832_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020200226T203111_20200226T203845_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_0_20200226T023713_20200226T023802_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_0_20200226T090007_20200226T090409_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_0_20200226T103856_20200226T104011_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020200226T121820_20200226T122040_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020200226T230308_20200226T230544_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020200226T232149_20200226T232715_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.

### 5. Level 1B FDM Data Quality Check

Percentage of processing errors detected greater than minimum acceptable threshold.

#### 5.1 L1B FDM Product Format Check

 ${\tt CS\_OPER\_SIR2SIN\_0\_20200226T165037\_20200226T165216\_0001.HDR}$ 

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_20200226T134859_20200226T134928_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200226T134928_20200226T134938_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200226T152318_20200226T152533_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200226T152533_20200226T152800_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200226T170154_20200226T170319_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200226T170319_20200226T170515_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200226T201834_20200226T202516_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200226T202516_20200226T202602_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_20200226T134859_20200226T134928_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20200226T152318_20200226T152533_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20200226T170154_20200226T170319_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20200226T201834_20200226T202516_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_20200226T134859_20200226T134928_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20200226T152318_20200226T152533_C001	Attitude correction missing	The attitude has not been corrected

CS\_OFFL\_SIR\_FDM\_1B\_20200226T170154\_20200226T170319\_C001

Attitude correction missing

The attitude has not been corrected

Attitude correction missing

The attitude has not been corrected

### 6. Level 2 FDM Data Quality Check

#### 6.1 L2 FDM Product Format Check

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

Number of products with errors:

(

## 6.2 L2 FDM Product Header Analysis

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

Number of products with errors:

0

Product	Test Failed
CS_OFFL_SIR_FDM_220200226T134859_20200226T134928_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200226T134928_20200226T134938_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200226T152318_20200226T152533_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200226T152533_20200226T152800_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200226T170154_20200226T170319_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200226T170319_20200226T170515_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200226T201834_20200226T202516_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200226T202516_20200226T202602_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:

37

	Test Failed	Description
S_OFFL_SIR_FDM_220200226T000042_20200226T000209_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_220200226T000450_20200226T001414_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_220200226T003511_20200226T003518_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_220200226T010121_20200226T012425_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_220200226T013730_20200226T020537_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
S_OFFL_SIR_FDM_220200226T023802_20200226T030347_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_220200226T041448_20200226T043233_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_220200226T045623_20200226T052010_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
S_OFFL_SIR_FDM_220200226T052017_20200226T053010_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_220200226T060611_20200226T060801_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_220200226T063524_20200226T065817_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_220200226T072359_20200226T072427_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_220200226T081521_20200226T084637_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_220200226T090456_20200226T092405_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_220200226T092420_20200226T093705_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_220200226T095445_20200226T101037_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_220200226T101240_20200226T102231_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_220200226T113413_20200226T114905_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
S_OFFL_SIR_FDM_220200226T115044_20200226T115123_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_220200226T123611_20200226T130023_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_220200226T131327_20200226T133905_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_220200226T141331_20200226T143917_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_220200226T145209_20200226T152243_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_220200226T154550_20200226T161823_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
S_OFFL_SIR_FDM_220200226T163114_20200226T163738_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_220200226T165216_20200226T165758_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_220200226T172259_20200226T175752_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_220200226T183205_20200226T183849_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
	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias

CS_OFFL_SIR_FDM_220200226T204345_20200226T205914_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_220200226T210851_20200226T211525_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_220200226T212946_20200226T213001_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_220200226T213322_20200226T214548_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_220200226T222542_20200226T223649_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_220200226T224100_20200226T225424_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_220200226T230956_20200226T231428_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_220200226T232735_20200226T234012_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

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CryoSat L2 data includes a measurement confidence flag (field 8) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220200226T134859_20200226T134928_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220200226T152318_20200226T152533_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220200226T170154_20200226T170319_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220200226T201834_20200226T202516_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_220200226T000450_20200226T001414_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_220200226T003511_20200226T003518_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_220200226T010121_20200226T012425_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_220200226T023802_20200226T030347_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_220200226T041448_20200226T043233_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_220200226T063524_20200226T065817_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_220200226T081521_20200226T084637_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_220200226T090456_20200226T092405_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_220200226T092420_20200226T093705_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_220200226T095445_20200226T101037_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_220200226T101240_20200226T102231_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_220200226T115044_20200226T115123_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_220200226T123611_20200226T130023_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_220200226T131327_20200226T133905_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_220200226T141331_20200226T143917_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_220200226T145209_20200226T152243_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_220200226T172259_20200226T175752_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_220200226T190215_20200226T193013_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_220200226T204345_20200226T205914_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_220200226T213322_20200226T214548_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_220200226T222542_20200226T223649_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_220200226T224100_20200226T225424_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_220200226T230956_20200226T231428_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_220200226T232735_20200226T234012_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:

24

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220200226T000450_20200226T001414_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_220200226T003511_20200226T003518_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_20200226T010121_20200226T012425_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_220200226T023802_20200226T030347_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_20200226T041448_20200226T043233_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_20200226T063524_20200226T065817_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_20200226T081521_20200226T084637_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_20200226T090456_20200226T092405_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_20200226T092420_20200226T093705_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_20200226T095445_20200226T101037_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_20200226T101240_20200226T102231_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_20200226T115044_20200226T115123_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_220200226T123611_20200226T130023_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_220200226T131327_20200226T133905_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_20200226T141331_20200226T143917_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_20200226T145209_20200226T152243_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_20200226T172259_20200226T175752_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_220200226T190215_20200226T193013_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_20200226T204345_20200226T205914_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_20200226T213322_20200226T214548_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_20200226T222542_20200226T223649_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_20200226T224100_20200226T225424_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_220200226T230956_20200226T231428_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_20200226T232735_20200226T234012_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:

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Product	Test Failed	Description
CS_OFFL_SIR_FDM_220200226T000450_20200226T001414_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_220200226T001733_20200226T002230_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_220200226T003511_20200226T003518_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_220200226T010121_20200226T012425_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_220200226T013730_20200226T020537_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_20200226T145209_20200226T152243_C001  Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20200226T163114_20200226T163738_C001  Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20200226T172259_20200226T175752_C001  Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20200226T181008_20200226T182939_C001  Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20200226T190215_20200226T193013_C001  Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20200226T193024_20200226T193625_C001  Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20200226T194938_20200226T201721_C001  Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20200226T204345_20200226T205914_C001  Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20200226T210301_20200226T210810_C001  Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20200226T210851_20200226T21525_C001  Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20200226T213322_20200226T214548_C001  Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20200226T214709_20200226T215948_C001  Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20200226T222542_20200226T223649_C001  Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20200226T222542_20200226T223649_C001  Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20200226T222542_20200226T223644_C001  Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20200226T222542_20200226T231428_C001  Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20200226T2330956_20200226T231428_C001  Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_2_20200226T145209_20200226T152243_C001         Ocean Retracking Quality Flag           CS_OFFL_SIR_FDM_2_20200226T163114_20200226T163738_C001         Ocean Retracking Quality Flag           CS_OFFL_SIR_FDM_2_20200226T172259_20200226T175752_C001         Ocean Retracking Quality Flag           CS_OFFL_SIR_FDM_2_20200226T181008_20200226T182939_C001         Ocean Retracking Quality Flag           CS_OFFL_SIR_FDM_2_20200226T190215_20200226T193013_C001         Ocean Retracking Quality Flag           CS_OFFL_SIR_FDM_2_20200226T193024_20200226T193625_C001         Ocean Retracking Quality Flag           CS_OFFL_SIR_FDM_2_20200226T194938_20200226T201721_C001         Ocean Retracking Quality Flag           CS_OFFL_SIR_FDM_2_20200226T204345_20200226T205914_C001         Ocean Retracking Quality Flag           CS_OFFL_SIR_FDM_2_20200226T210301_20200226T210810_C001         Ocean Retracking Quality Flag           CS_OFFL_SIR_FDM_2_20200226T210851_20200226T211525_C001         Ocean Retracking Quality Flag           CS_OFFL_SIR_FDM_2_20200226T213322_20200226T214548_C001         Ocean Retracking Quality Flag           CS_OFFL_SIR_FDM_2_20200226T214709_20200226T215948_C001         Ocean Retracking Quality Flag           CS_OFFL_SIR_FDM_2_20200226T22542_20200226T22542_0000226T225424_C001         Ocean Retracking Quality Flag           CS_OFFL_SIR_FDM_2_20200226T22542_20200226T225424_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_20200226T145209_20200226T152243_C001         Ocean Retracking Quality Flag           CS_OFFL_SIR_FDM_2_20200226T163114_20200226T163738_C001         Ocean Retracking Quality Flag           CS_OFFL_SIR_FDM_2_20200226T172259_20200226T175752_C001         Ocean Retracking Quality Flag           CS_OFFL_SIR_FDM_2_20200226T181008_20200226T182939_C001         Ocean Retracking Quality Flag           CS_OFFL_SIR_FDM_2_20200226T190215_20200226T193013_C001         Ocean Retracking Quality Flag           CS_OFFL_SIR_FDM_2_20200226T193024_20200226T193625_C001         Ocean Retracking Quality Flag           CS_OFFL_SIR_FDM_2_20200226T194938_20200226T201721_C001         Ocean Retracking Quality Flag           CS_OFFL_SIR_FDM_2_20200226T204345_20200226T205914_C001         Ocean Retracking Quality Flag           CS_OFFL_SIR_FDM_2_20200226T210301_20200226T210810_C001         Ocean Retracking Quality Flag           CS_OFFL_SIR_FDM_2_20200226T210851_20200226T211525_C001         Ocean Retracking Quality Flag           CS_OFFL_SIR_FDM_2_20200226T213322_20200226T214548_C001         Ocean Retracking Quality Flag           CS_OFFL_SIR_FDM_2_20200226T214709_20200226T215948_C001         Ocean Retracking Quality Flag           CS_OFFL_SIR_FDM_2_20200226T214709_20200226T215948_C001         Ocean Retracking Quality Flag           CS_OFFL_SIR_FDM_2_20200226T214709_20200226T215948_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_2_20200226T145209_20200226T152243_C001  CS_OFFL_SIR_FDM_2_20200226T163114_20200226T163738_C001  CS_OFFL_SIR_FDM_2_20200226T172259_20200226T175752_C001  CS_OFFL_SIR_FDM_2_20200226T181008_20200226T182939_C001  CS_OFFL_SIR_FDM_2_20200226T190215_20200226T193013_C001  CS_OFFL_SIR_FDM_2_20200226T190215_20200226T193013_C001  CS_OFFL_SIR_FDM_2_20200226T190242_20200226T193625_C001  CS_OFFL_SIR_FDM_2_20200226T194938_20200226T201721_C001  CS_OFFL_SIR_FDM_2_20200226T194938_20200226T201721_C001  CS_OFFL_SIR_FDM_2_20200226T204345_20200226T205914_C001  CS_OFFL_SIR_FDM_2_20200226T210301_20200226T210810_C001  CS_OFFL_SIR_FDM_2_20200226T210851_20200226T211525_C001  CS_OFFL_SIR_FDM_2_20200226T213322_20200226T214548_C001  CS_OFFL_SIR_FDM_2_20200226T213322_20200226T215948_C001  CS_OFFL_SIR_FDM_2_20200226T214709_20200226T215948_C001  Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20200226T213322_20200226T215948_C001  Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20200226T213799_20200226T215948_C001  Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20200226T214709_20200226T215948_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
CS_OFFL_SIR_FDM_2_20200226T145209_20200226T152243_C001  CS_OFFL_SIR_FDM_2_20200226T163114_20200226T163738_C001  CS_OFFL_SIR_FDM_2_20200226T172259_20200226T175752_C001  CS_OFFL_SIR_FDM_2_20200226T181008_20200226T182939_C001  CS_OFFL_SIR_FDM_2_20200226T181008_20200226T182939_C001  CS_OFFL_SIR_FDM_2_20200226T190215_20200226T193013_C001  CS_OFFL_SIR_FDM_2_20200226T193024_20200226T193625_C001  CS_OFFL_SIR_FDM_2_20200226T194938_20200226T201721_C001  CS_OFFL_SIR_FDM_2_20200226T204345_20200226T205914_C001  CS_OFFL_SIR_FDM_2_20200226T20301_20200226T205914_C001  CS_OFFL_SIR_FDM_2_20200226T210301_20200226T210810_C001  CS_OFFL_SIR_FDM_2_20200226T210851_20200226T211525_C001  CS_OFFL_SIR_FDM_2_20200226T213322_20200226T214548_C001  Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20200226T213322_20200226T214548_C001  Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20200226T213322_20200226T214548_C001	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
CS_OFFL_SIR_FDM_2_20200226T145209_20200226T152243_C001  CS_OFFL_SIR_FDM_2_20200226T163114_20200226T163738_C001  CS_OFFL_SIR_FDM_2_20200226T163114_20200226T163738_C001  CS_OFFL_SIR_FDM_2_20200226T172259_20200226T175752_C001  CS_OFFL_SIR_FDM_2_20200226T181008_20200226T182939_C001  CS_OFFL_SIR_FDM_2_20200226T190215_20200226T193013_C001  CS_OFFL_SIR_FDM_2_20200226T190215_20200226T193013_C001  CS_OFFL_SIR_FDM_2_20200226T193024_20200226T193625_C001  CS_OFFL_SIR_FDM_2_20200226T194938_20200226T201721_C001  CS_OFFL_SIR_FDM_2_20200226T194938_20200226T201721_C001  CS_OFFL_SIR_FDM_2_20200226T204345_20200226T205914_C001  CS_OFFL_SIR_FDM_2_20200226T20301_20200226T205914_C001  CS_OFFL_SIR_FDM_2_20200226T210301_20200226T210810_C001  CS_OFFL_SIR_FDM_2_20200226T210851_20200226T211525_C001  Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20200226T210851_20200226T211525_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
CS_OFFL_SIR_FDM_2_20200226T145209_20200226T152243_C001  CS_OFFL_SIR_FDM_2_20200226T163114_20200226T163738_C001  CS_OFFL_SIR_FDM_2_20200226T172259_20200226T175752_C001  CS_OFFL_SIR_FDM_2_20200226T181008_20200226T182939_C001  CS_OFFL_SIR_FDM_2_20200226T181008_20200226T182939_C001  CS_OFFL_SIR_FDM_2_20200226T190215_20200226T193013_C001  CS_OFFL_SIR_FDM_2_20200226T193024_20200226T193625_C001  CS_OFFL_SIR_FDM_2_20200226T194938_20200226T201721_C001  CS_OFFL_SIR_FDM_2_20200226T194938_20200226T201721_C001  CS_OFFL_SIR_FDM_2_20200226T204345_20200226T205914_C001  CS_OFFL_SIR_FDM_2_20200226T20301_20200226T210810_C001  Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20200226T210301_20200226T210810_C001  Ocean Retracking Quality Flag  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
CS_OFFL_SIR_FDM_2_20200226T145209_20200226T152243_C001  CS_OFFL_SIR_FDM_2_20200226T163114_20200226T163738_C001  CS_OFFL_SIR_FDM_2_20200226T163114_20200226T163738_C001  CS_OFFL_SIR_FDM_2_20200226T172259_20200226T175752_C001  CS_OFFL_SIR_FDM_2_20200226T181008_20200226T182939_C001  CS_OFFL_SIR_FDM_2_20200226T190215_20200226T193013_C001  CS_OFFL_SIR_FDM_2_20200226T190215_20200226T193013_C001  CS_OFFL_SIR_FDM_2_20200226T193024_20200226T193625_C001  CS_OFFL_SIR_FDM_2_20200226T194938_20200226T201721_C001  CS_OFFL_SIR_FDM_2_20200226T194938_20200226T201721_C001  CS_OFFL_SIR_FDM_2_20200226T204345_20200226T205914_C001  Ocean Retracking Quality Flag  Ocean Retracking Quality Flag  Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_2_20200226T145209_20200226T152243_C001         Ocean Retracking Quality Flag           CS_OFFL_SIR_FDM_2_20200226T163114_20200226T163738_C001         Ocean Retracking Quality Flag           CS_OFFL_SIR_FDM_2_20200226T172259_20200226T175752_C001         Ocean Retracking Quality Flag           CS_OFFL_SIR_FDM_2_20200226T181008_20200226T182939_C001         Ocean Retracking Quality Flag           CS_OFFL_SIR_FDM_2_20200226T190215_20200226T193013_C001         Ocean Retracking Quality Flag           CS_OFFL_SIR_FDM_2_20200226T193024_20200226T193625_C001         Ocean Retracking Quality Flag           CS_OFFL_SIR_FDM_2_20200226T194938_20200226T201721_C001         Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20200226T145209_20200226T152243_C001  CS_OFFL_SIR_FDM_2_20200226T163114_20200226T163738_C001  CS_OFFL_SIR_FDM_2_20200226T163114_20200226T163738_C001  CS_OFFL_SIR_FDM_2_20200226T172259_20200226T175752_C001  CS_OFFL_SIR_FDM_2_20200226T181008_20200226T182939_C001  CS_OFFL_SIR_FDM_2_20200226T190215_20200226T193013_C001  CS_OFFL_SIR_FDM_2_20200226T190215_20200226T193013_C001  CS_OFFL_SIR_FDM_2_20200226T193024_20200226T193625_C001  Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20200226T193024_20200226T193625_C001	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_2_20200226T145209_20200226T152243_C001  CS_OFFL_SIR_FDM_2_20200226T163114_20200226T163738_C001  CS_OFFL_SIR_FDM_2_20200226T172259_20200226T175752_C001  CS_OFFL_SIR_FDM_2_20200226T172259_20200226T182939_C001  CS_OFFL_SIR_FDM_2_20200226T181008_20200226T182939_C001  CS_OFFL_SIR_FDM_2_20200226T190215_20200226T193013_C001  Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20200226T190215_20200226T193013_C001	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_2_20200226T145209_20200226T152243_C001	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_2_20200226T145209_20200226T152243_C001	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_2_20200226T145209_20200226T152243_C001	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_2_20200226T145209_20200226T152243_C001	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
CS_OFFL_SIR_FDM_2_20200226T141331_20200226T143917_C001	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_2_20200226T134928_20200226T134938_C001	The Ocean Retracking Quality Flag is set indicating the CFT Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFT Ocean
CS_OFFL_SIR_FDM_2_20200226T134859_20200226T134928_C001	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_2_20200226T131327_20200226T133905_C001	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_2_20200226T123611_20200226T130023_C001	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_2_20200226T115044_20200226T115123_C001	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_2_20200226T113413_20200226T114905_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
CS_OFFL_SIR_FDM_2_20200226T104931_20200226T110121_C001	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 Ocean Retracking County Flag is set indicating the CFI Ocean Retracking Ocean Retracking County Flag is set indicating the CFI Ocean Retracking Ocean Retracking County Flag is set indicating the CFI Ocean Retracking County Flag is set indicating the CFI Ocean Retracking County Flag is set indicating the CFI Ocean Retracking County Flag is set indicating the CFI Ocean Retracking County Flag is set indicating the CFI Ocean Retracking County Flag is set indicating the CFI Ocean Retracking County Flag is set indicating the CFI Ocean Retracker was not successfully executed for the CFI Ocean Retracker was not successf
CS_OFFL_SIR_FDM_2_20200226T101240_20200226T102231_C001	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_20200226T095445_20200226T101037_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_20200226T092420_20200226T093705_C001	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_20200226T090456_20200226T092405_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_20200226T081521_20200226T084637_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_20200226T074100_20200226T075110_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_20200226T063524_20200226T065817_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_20200226T060937_20200226T062326_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_20200226T060611_20200226T060801_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_20200226T052017_20200226T053010_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_20200226T045623_20200226T052010_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_20200226T041448_20200226T043233_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_20200226T031700_20200226T035056_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_20200226T023802_20200226T030347_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_	171	171	171	0	0
SIR1SAR_0_	120	120	119	1	0
SIR1SIN_0_	111	111	111	0	0
SIR2SIN_0_	116	116	116	0	0
SIR_FDM_1B	171	171	4	0	167
SIR FDM 2	170	170	115	55	0

# 7.1 QCC Errors

7.2 QCC Warnings	
Number of QCC reports with warnings	59
7.3 Missing QCC Reports	
Number of products with missing QCC reports:	0