



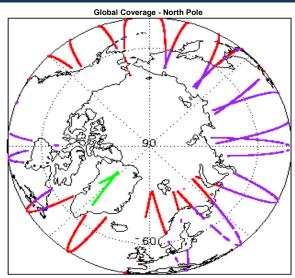
## 1. Overview

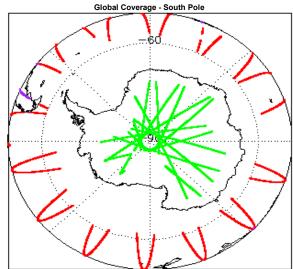
Report Production Date:	22-Jul-2019
Processor Used:	CryoSat Ice Processor
Data Used:	L1 and L2 Fast Delivery Marine (FDM)  Mode and L0 Data

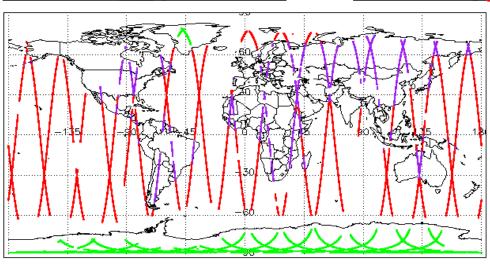
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2, 5.2 and 6.2
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check	Nominal
Auxiliary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

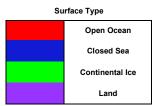
Mission / Instrument News		
18-Jul-2019	None	
19-Jul-2019	None	
20-Jul-2019	Nothing planned	

# 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_SIR1SIN_0_20190719T142149_20190719T142316_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS OPER SIR2SIN 0 20190719T131402 20190719T132526 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_20190719T014557_20190719T014852_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20190719T082648_20190719T082826_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20190719T013919_20190719T014557_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20190719T032154_20190719T032256_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20190719T032256_20190719T032308_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20190719T050149_20190719T050206_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20190719T050130_20190719T050149_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20190719T082505_20190719T082648_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_20190719T013919_20190719T014557_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20190719T032154_20190719T032256_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20190719T050130_20190719T050149_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20190719T082505_20190719T082648_C001	No Star Tracker file used in the processing of this product

#### 5.4 L1B FDM Calibration Usage Check

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

0

Number of products with errors:

#### 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_20190719T013919_20190719T014557_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20190719T032154_20190719T032256_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20190719T050130_20190719T050149_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20190719T082505_20190719T082648_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20190719T133701_20190719T134345_C001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_FDM_1B_20190719T231532_20190719T231945_C001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo

### 6. Level 2 FDM Data Quality Check

#### 6.1 L2 FDM Product Format Check

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

#### 6.2 L2 FDM Product Header Analysis

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

Number of products with errors:

Product	Test Failed
CS_OFFL_SIR_FDM_220190719T014557_20190719T014852_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220190719T082648_20190719T082826_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220190719T013919_20190719T014557_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220190719T032154_20190719T032256_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220190719T032256_20190719T032308_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220190719T050149_20190719T050206_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220190719T050130_20190719T050149_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220190719T082505_20190719T082648_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:

41

Product	Test Failed	Description
S_OFFL_SIR_FDM_220190719T002138_20190719T002158_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_220190719T003139_20190719T005749_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_220190719T014557_20190719T014852_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_220190719T015007_20190719T015031_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_220190719T021035_20190719T022030_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_220190719T022608_20190719T023601_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_220190719T025214_20190719T031952_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_220190719T032629_20190719T032946_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_220190719T034211_20190719T041507_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
S_OFFL_SIR_FDM_220190719T051954_20190719T052014_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_220190719T053324_20190719T055437_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_220190719T065811_20190719T073325_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_220190719T075234_20190719T082349_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_220190719T083641_20190719T085119_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_220190719T085307_20190719T091303_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_220190719T094628_20190719T100207_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_220190719T101533_20190719T103619_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_220190719T110821_20190719T111044_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_220190719T111132_20190719T113005_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_220190719T113249_20190719T113941_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
S_OFFL_SIR_FDM_220190719T114248_20190719T114304_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
S_OFFL_SIR_FDM_220190719T120857_20190719T121432_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
S_OFFL_SIR_FDM_220190719T124611_20190719T131402_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_220190719T133514_20190719T133546_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_220190719T134517_20190719T141003_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_220190719T142550_20190719T143617_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_220190719T151149_20190719T151829_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_220190719T152615_20190719T152924_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_220190719T160607_20190719T163830_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_220190719T164137_20190719T164144_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_220190719T170829_20190719T172728_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_220190719T174434_20190719T182019_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_220190719T184216_20190719T184657_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_220190719T184738_20190719T190638_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_220190719T192413_20190719T193923_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_220190719T193927_20190719T200015_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_220190719T201212_20190719T203120_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_220190719T203158_20190719T204509_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_220190719T210316_20190719T211812_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_220190719T212015_20190719T212936_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_220190719T215152_20190719T220858_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

6

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_220190719T013919_20190719T014557_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220190719T032154_20190719T032256_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220190719T050130_20190719T050149_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220190719T082505_20190719T082648_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220190719T133701_20190719T134345_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220190719T231532_20190719T231945_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo

### 6.6 L2 FDM Range Measurement Check

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

Number of products with errors: 29

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220190719T002138_20190719T002158_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_220190719T003139_20190719T005749_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_220190719T014557_20190719T014852_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_220190719T022608_20190719T023601_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_220190719T025214_20190719T031952_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_220190719T032629_20190719T032946_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_220190719T053324_20190719T055437_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_220190719T065811_20190719T073325_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_220190719T083641_20190719T085119_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_220190719T085307_20190719T091303_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_220190719T094628_20190719T100207_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_220190719T101533_20190719T103619_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_220190719T110821_20190719T111044_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_220190719T111132_20190719T113005_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_220190719T124611_20190719T131402_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_220190719T133514_20190719T133546_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_220190719T134517_20190719T141003_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_220190719T151149_20190719T151829_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_220190719T152615_20190719T152924_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_220190719T160607_20190719T163830_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_220190719T174434_20190719T182019_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_220190719T184216_20190719T184657_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_220190719T184738_20190719T190638_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_220190719T192413_20190719T193923_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_220190719T193927_20190719T200015_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_220190719T203158_20190719T204509_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_220190719T210316_20190719T211812_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_220190719T212015_20190719T212936_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_220190719T215152_20190719T220858_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:

roduct	Test Failed	Description
S_OFFL_SIR_FDM_220190719T002138_20190719T002158_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.
SS_OFFL_SIR_FDM_220190719T003139_20190719T005749_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
S_OFFL_SIR_FDM_220190719T014557_20190719T014852_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
S_OFFL_SIR_FDM_220190719T022608_20190719T023601_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
S_OFFL_SIR_FDM_220190719T025214_20190719T031952_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
S_OFFL_SIR_FDM_220190719T032629_20190719T032946_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
S_OFFL_SIR_FDM_220190719T053324_20190719T055437_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
S_OFFL_SIR_FDM_220190719T065811_20190719T073325_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
S_OFFL_SIR_FDM_220190719T083641_20190719T085119_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
S_OFFL_SIR_FDM_220190719T085307_20190719T091303_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
S_OFFL_SIR_FDM_220190719T094628_20190719T100207_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
S_OFFL_SIR_FDM_220190719T101533_20190719T103619_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
S_OFFL_SIR_FDM_220190719T110821_20190719T111044_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
S_OFFL_SIR_FDM_220190719T111132_20190719T113005_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
S_OFFL_SIR_FDM_220190719T124611_20190719T131402_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
S_OFFL_SIR_FDM_220190719T133514_20190719T133546_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
S_OFFL_SIR_FDM_220190719T134517_20190719T141003_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
S_OFFL_SIR_FDM_220190719T151149_20190719T151829_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
S_OFFL_SIR_FDM_220190719T152615_20190719T152924_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
S_OFFL_SIR_FDM_220190719T160607_20190719T163830_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
S_OFFL_SIR_FDM_220190719T174434_20190719T182019_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
S_OFFL_SIR_FDM_220190719T184216_20190719T184657_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
S_OFFL_SIR_FDM_220190719T184738_20190719T190638_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
S_OFFL_SIR_FDM_220190719T192413_20190719T193923_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
S_OFFL_SIR_FDM_220190719T193927_20190719T200015_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
S_OFFL_SIR_FDM_220190719T203158_20190719T204509_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.

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.
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.
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.

Temple (Cert Part Part 2)contributions (Cert Part 2)con	Number of products with errors: 43		
Some feedband published. All provided and the control of the contr	Product	Test Failed	Description
SOFTE, SIR FOR 2_20190719701982 (2010 19701982 CO)  Control SIR FOR 2_20190719701982 (2010 19701982 CO)  Control SIR FOR 2_2019071970282 (2010 19701982 CO)  Control SIR FOR 2	CS_OFFL_SIR_FDM_220190719T002138_20190719T002158_C001	Ocean Retracking Quality Flag	
Science Service Control (1986) Contr	CS_OFFL_SIR_FDM_220190719T003139_20190719T005749_C001	Ocean Retracking Quality Flag	
COPPL SR (PM 2 2000/1970/2000 0001 Ocean Retracking Quality Flag is an inclusing the CFI Ocean Retrack	CS_OFFL_SIR_FDM_220190719T011349_20190719T013755_C001	Ocean Retracking Quality Flag	
Segment (March 2, 2019 of 110 Colors) in March 2019 (1) Colors in Remoding Quality Flag is an including the OFT Colors in Remoding Quality Fla	CS_OFFL_SIR_FDM_220190719T014557_20190719T014852_C001	Ocean Retracking Quality Flag	
Cooper_Ser_For_Co_20100710702502_20100710702504_COOL  Cooper_Ser_For_Cooper_Ser_F	CS_OFFL_SIR_FDM_220190719T021035_20190719T022030_C001	Ocean Retracking Quality Flag	
Seg. OFFL, SIR, FML _ 201807197036312, 201807197103630, C001  CB_OFFL_SIR, FML _ 201807197036211, 201807197103630, C001  CB_OFFL_SIR, FML _ 201807197036211, 201807197103630, C001  CB_OFFL_SIR, FML _ 201807197036211, 201807197103630, C001  CB_OFFL_SIR, FML _ 201807197036212, 201807197036316, C001  CB_OFFL_SIR, FML _ 201807197036312, 201807197036316, C001  CB_OFFL_SIR, FML _ 201807197036312, 201807197036316, C001  CB_OFFL_SIR, FML _ 201807197036312, 20180719703636, C001  CB_OFFL_SIR, FML _ 201807197036312, 20180719703636, C001  CB_OFFL_SIR, FML _ 201807197036341, 20180719703636, C001  CB_OFFL_SIR, FML _ 201807197036361, 201807197103636, C001  CB_OFFL_SIR, FML _ 201807197103636, 201807197103616, C001  CB_OFFL_SIR, FML _ 201807197103636, 2018071971	CS_OFFL_SIR_FDM_220190719T022608_20190719T023601_C001	Ocean Retracking Quality Flag	
Schen Hetzecking Quality Flag The Chosen Febracking Plag The Chosen Febracking Quality Flag The Chosen Febracking Quality	CS_OFFL_SIR_FDM_220190719T025214_20190719T031952_C001	Ocean Retracking Quality Flag	
Seg. OFF., Sir. P.DM. 2. 20190719705312 20190719705315. COUNT Count Retracking Quality Flag is en indicating the CFI Count Retracking Quality Flag is en indicating the CFI Count Retracking Quality Flag is en indicating the CFI Count Retracking Quality Flag is en indicating the CFI Count Retracking Quality Flag is en indicating the CFI Count Retracking Quality Flag is en indicating the CFI Count Retracking Quality Flag is en indicating the CFI Count Retracking Quality Flag is en indicating the CFI Count Retracking Quality Flag is en indicating the CFI Count Retracking Quality Flag is en indicating the CFI Count Retracking Quality Flag is en indicating the CFI Count Retracking Quality Flag is en indicating the CFI Count Retracking Quality Flag is en indicating the CFI Count Retracking Quality Flag is en indicating the CFI Count Retracking Quality Flag is en indicating the CFI Count Retracking Quality Flag is entired to the count of the count Retracking Quality Flag is entired to the count of the count Retracking Quality Flag is entired to the CFI Count Retracking Quality Flag is entired to the CFI Count Retracking Quality Flag is entired to the CFI Count Retracking Quality Flag is entired to the CFI Count Retracking Quality Flag is entired to the CFI Count Retracking Quality Flag is entired to the CFI Count Retracking Quality Flag is entired to the CFI Count Retracking Quality Flag is entired to the CFI Count Retracking Quality Flag is entired to the CFI Count Retracking Quality Flag is entired to the CFI Count Retracking Quality Flag is entired to the CFI Count Retracking Quality Flag is entired to the CFI Count Retracking Quality Flag is entired to the CFI Count Retracking Quality Flag is entired to the CFI Count Retracking Quality Flag is entired to the CFI Count Retracking Quality Flag is entired to the CFI Count Retracking Quality Flag is entired to the CFI Count Retracking Quality Flag is entired to the CFI Count Retracking Quality Flag is entired to the CFI Count Retracking Quality Flag is entired to the C	CS_OFFL_SIR_FDM_220190719T032629_20190719T032946_C001	Ocean Retracking Quality Flag	
Seg. OFFL. Ser. PDM.2_20190719705324_20190719705316_C001  Cean Retinacking Quality Flag  Cean	CS_OFFL_SIR_FDM_220190719T034211_20190719T041507_C001	Ocean Retracking Quality Flag	
Sc. OFFL_SR_FDM_2_20190719708312_0190719708366_0001  Ocean Retrocking Quality Flag  Retrackers was not successfully seached for one or more records.  FROM_2_20190719709312_0190719708240_0001  Ocean Retrocking Quality Flag  Retrackers Quality Flag  Retracking Quality Flag	CS_OFFL_SIR_FDM_220190719T052117_20190719T053038_C001	Ocean Retracking Quality Flag	
ScOFFL_SR_FDM_2_20190719710534_20190719705355_C001  Ocean Retracking Quality Fag  Retracker was not successfully executed for one or more records.  ScOFFL_SR_FDM_2_2019071970524_20190719705355_C001  Ocean Retracking Quality Fag  Docean Retracking Quality Fag  Retracker was not successfully executed for one or more records.  ScOFFL_SR_FDM_2_20190719705341_20190719706110_C001  Ocean Retracking Quality Fag  Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Fag  Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Fag  Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Fag  Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Fag  Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Fag  Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Fag  Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Fag  Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Fag  Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Fag  Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Fag  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 execute	CS_OFFL_SIR_FDM_220190719T053324_20190719T055437_C001	Ocean Retracking Quality Flag	
CS_OFF_SIR_FDM_2_20190719703242_20190719703242_C001  Ocean Retracking Quality Flag  Retracker was not successfully excelled for one or more records. The Ocean Retracking Quality Flag  Retracker was not successfully excelled for one or more records. The Ocean Retracking Quality Flag  Retracker was not successfully excelled for one or more records. The Ocean Retracking Quality Flag  Retracker was not successfully excelled for one or more records. The Ocean Retracking Quality Flag  Retracker was not successfully excelled for one or more records. The Ocean Retracking Quality Flag is extinicating the CFI Ocean Retracking Quality Flag  Retracker was not successfully excelled for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully excelled for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully excelled for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully excelled for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully excelled for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully excelled for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully excelled for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully excelled for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully excelled for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully excelled for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully excelled for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully excelled for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully excelled for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully excelled for one or more records. The Ocean Retracking Quality Flag Retracker was not succ	CS_OFFL_SIR_FDM_220190719T063124_20190719T063616_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20190719710839_2019071971095010_C001  CS_OFFL_SIR_FDM_2_201907197095010_2019071971095010_C001  CS_OFFL_SIR_FDM_2_201907197095010_2019071971095010_C001  CS_OFFL_SIR_FDM_2_2019071971095010_2019071971095010_C001  CS_OFFL_SIR_FDM_2_2019071971095010_2019071971095010_C001  CS_OFFL_SIR_FDM_2_2019071971095010_2019071971095010_C001  CS_OFFL_SIR_FDM_2_2019071971095010_2019071971095010_C001  CS_OFFL_SIR_FDM_2_2019071971095010_2019071971095010_C001  CS_OFFL_SIR_FDM_2_20190719710921_2019071971095010_C001  CS_OFFL_SIR_FDM_2_20190719710921_2019071971095010_C001  CS_OFFL_SIR_FDM_2_20190719710921_2019071971095010_C001  CS_OFFL_SIR_FDM_2_20190719710921_2019071971095010_C001  CS_OFFL_SIR_FDM_2_201907197110921_201907197110951_C001  CS_OFFL_SIR_FDM_2_201907197110921_201907197110951_C001  CS_OFFL_SIR_FDM_2_201907197110921_201907197110951_C001  CS_OFFL_SIR_FDM_2_201907197110921_201907197110951_C001  CS_OFFL_SIR_FDM_2_201907197110951_201907197110951_C001  CS_OFFL_SIR_FDM_2_201907197110951_201907197110951_C001  CS_OFFL_SIR_FDM_2_201907197110951_201907197110951_C001  CS_OFFL_SIR_FDM_2_201907197110951_201907197110951_C001  CS_OFFL_SIR_FDM_2_201907197110951_201907197110951_C001  CS_OFFL_SIR_FDM_2_201907197110951_201907197110951_C001  CS_OFFL_SIR_FDM_2_201907197110951_201907197110951_C001  CS_OFFL_SIR_FDM_2_201907197110951_C001  CS_OFFL_SIR_FDM_2_201907197110951_C001  CS_OFFL_SIR_FDM_2_201907197110951_C001  CS_OFFL_SIR_FDM_2_201907197110951_C001  CS_OFFL_SIR_FDM_2_201907197110951_C001  CS_OFFL_SIR_FDM_2_201907197110951_C001  CS_OFFL_SIR_FDM_2_201907197110951_C001  COESS Retracking Quality Flag  Retracking	CS_OFFL_SIR_FDM_220190719T065811_20190719T073325_C001	Ocean Retracking Quality Flag	
Schen Retracking Quality Flag CS. OFFL_SIR, FDM. 2_201907197108210, 20190719710303. CO01 CS. OFFL_SIR, FDM. 2_201907197108210, 20190719710301. CO01 CS. OFFL_SIR, FDM. 2_201907197108210, 20190719710301. CO01 CS. OFFL_SIR, FDM. 2_20190719710821, 201907197103010. CO01 CS. OFFL_SIR, FDM. 2_20190719710821, 201907197103010. CO01 CS. OFFL_SIR, FDM. 2_201907197110821, 2019071971103010. CO01 CS. OFFL_SIR, FDM. 2_201907197110821, 2019071971103010. CO01 CS. OFFL_SIR, FDM. 2_201907197110821, 2019071971103010. CO01 CS. OFFL_SIR, FDM. 2_201907197110821, 201907197110301. CO01 CS. OFFL_SIR, FDM. 2_201907197110824, 201907197110301. CO01 CS. OFFL_SIR, FDM. 2_201907197110824, 201907197110301. CO01 CS. OFFL_SIR, FDM. 2_201907197110824, 201907197110824. CO01 CS. OFFL_SIR, FDM. 2_201907197110824. CO01 CS. OFFL_SIR, FDM. 2_201907197110824. CO01 CS. OFFL_SIR, FDM. 2_201907197110824. CO01 CS. OFFL_SIR, FDM. 2_201907197110825. CO01 CS. OFFL_SIR, FDM. 2_201907197110826. CO01 CS. OFFL_SIR, FDM. 2_201907197110826. CO01 CS. OFFL_SIR, FDM. 2_2019071971097197. CO01 CS. OFFL_SIR, FDM. 2_201907197	CS_OFFL_SIR_FDM_220190719T075234_20190719T082349_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_201907197108016_201907197100007_C001  Coean 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  The Ocean Retracking Quality Flag is set indicating the CFI Ocean  Retracking Quality Flag  The Ocean Retra	CS_OFFL_SIR_FDM_220190719T083641_20190719T085119_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20190719T1094828_20190719T109307_CO01  Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI 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 Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records.	CS_OFFL_SIR_FDM_220190719T085307_20190719T091303_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20190719T1109402_0190719T1100319_C001  CS_OFFL_SIR_FDM_2_20190719T1109321_0190719T1100319_C001  CS_OFFL_SIR_FDM_2_20190719T1110321_0190719T111044_C001  CS_OFFL_SIR_FDM_2_20190719T1113209_0190719T113005_C001  CS_OFFL_SIR_FDM_2_20190719T1113209_0190719T113005_C001  CS_OFFL_SIR_FDM_2_20190719T113249_20190719T113005_C001  CS_OFFL_SIR_FDM_2_20190719T113249_20190719T113005_C001  CS_OFFL_SIR_FDM_2_20190719T113249_20190719T113005_C001  CS_OFFL_SIR_FDM_2_20190719T113249_20190719T113005_C001  CS_OFFL_SIR_FDM_2_20190719T113240_20190719T13304_C001  CS_OFFL_SIR_FDM_2_20190719T13240_20190719T133005_C001  CS_OFFL_SIR_FDM_2_20190719T13240_20190719T133005_C001  CS_OFFL_SIR_FDM_2_20190719T13240_20190719T133005_C001  CS_OFFL_SIR_FDM_2_20190719T13240_20190719T133005_C001  CS_OFFL_SIR_FDM_2_20190719T13240_20190719T133005_C001  CS_OFFL_SIR_FDM_2_20190719T13240_C001  CS_OFFL_SIR_FDM_2_20190719T13240_C001  CS_OFFL_SIR_FDM_2_20190719T13240_C001  CS_OFFL_SIR_FDM_2_20190719T13240_C001  CS_OFFL_SIR_FDM_2_20190719T13441_C001  CS_OFFL_SIR_FDM_2_20190719T134415_C001  CS_OFFL_SIR_FDM_2_20190719T134415_C001  CS_OFFL_SIR_FDM_2_20190719T134415_C001  CS_OFFL_SIR_FDM_2_20190719T134415_C001  CS_OFFL_SIR_FDM_2_20190719T134415_C001  CS_OFFL_SIR_FDM_2_20190719T134425_C001  CS_OFFL_SIR_FDM_2_20190719T134425_C001  CS_OFFL_SIR_FDM_2_20190719T15482_C001  CS_OFFL_SIR_FDM_2_20190719T15482_C001  CS_OFFL_SIR_FDM_2_20190719T15482_C001  CS_OFFL_SIR_FDM_2_20190719T15482_C001  CS_OFFL_SIR_FDM_2_20190719T15285_C00190719T15820_C001  CS_OFFL_SIR_FDM_2_20190719T13442_C00190719T182001_C001  CS_OFFL_SIR_FDM_2_20190719T13442_C00190719T182001_C001  CS_OFFL_SIR_FDM_2_20190719T13243_20190719T152001_C001  CS_OFFL_SIR_FDM_2_20190719T13243_20190719T182001_C001  CS_OFFL_SIR_FDM_2_20190719T13243_20190719T182001_C001  CS_OFFL_SIR_FDM_2_20190719T13243_20190719T182001_C001  CS_OFFL_SIR_FDM_2_20190719T18243_20190719T190038_C001  CS_OFFL_SIR_FDM_2_20190719T18243_20190719T190038_C001  CS_OFFL_SIR_FDM_2_20190719T192015_C001  CS_OFFL_SIR_FDM_2_20190719T192015_C00101	CS_OFFL_SIR_FDM_220190719T093016_20190719T094009_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20190719T110821_20190719T11084_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 Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker Quality Flag Set Indicating the CFI Ocean Retracker 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 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 Re	CS_OFFL_SIR_FDM_220190719T094628_20190719T100207_C001	Ocean Retracking Quality Flag	
Ocean Retracking Quality Flag  Retracker was not successfully executed for one or more records.  CS_OFF_SIR_FDM_2_01907/971111324_01907/97113054_C001  CS_OFF_SIR_FDM_2_01907/9711324_01907/9711340_C001  CS_OFF_SIR_FDM_2_01907/97114246_1_01907/9711340_C001  CS_OFF_SIR_FDM_2_01907/97114246_1_01907/9711340_C001  CS_OFF_SIR_FDM_2_01907/97114246_1_01907/9711340_C001  CS_OFF_SIR_FDM_2_01907/97114246_1_01907/971130_C001  CS_OFF_SIR_FDM_2_01907/97114246_1_01907/971130_C001  CS_OFF_SIR_FDM_2_01907/97114456_1_01907/971130_C001  CS_OFF_SIR_FDM_2_01907/97114456_1_01907/9711450_C001  CS_OFF_SIR_FDM_2_01907/9711440_C001  CS_OFF_SIR_FDM_2_01907/9711440_C001  CS_OFF_SIR_FDM_2_01907/97114430_C001  CS_OFF_SIR_FDM_2_01907/97114430_C00	CS_OFFL_SIR_FDM_220190719T101533_20190719T103619_C001	Ocean Retracking Quality Flag	
Ocean Retracking Quality Flag  Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20190719T113249_20190719T11340_CO01  Ocean Retracking Quality Flag  Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag  Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag  Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag  Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag 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 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	CS_OFFL_SIR_FDM_220190719T110821_20190719T111044_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20190719T114248_20190719T13404_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 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 in 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 Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20190719T182915_20190719T182915_C001  Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20190719T184216_20190719T182932_C001  Ocean Retracking Quality Flag Retracker was not successfull	CS_OFFL_SIR_FDM_220190719T111132_20190719T113005_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20190719T14246_20190719T131402_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 and State of more or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag and State Indicating the CFI 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 Retracking Quality Flag is set indica	CS_OFFL_SIR_FDM_220190719T113249_20190719T113941_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20190719T134514_20190719T14552_0001  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 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 indicat	CS_OFFL_SIR_FDM_220190719T114248_20190719T114304_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20190719T144517_20190719T14584_C001  Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag i	CS_OFFL_SIR_FDM_220190719T124611_20190719T131402_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
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 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 Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20190719T152615_20190719T152924_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. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more reco	CS_OFFL_SIR_FDM_220190719T133514_20190719T133546_C001	Ocean Retracking Quality Flag	
Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20190719T151149_20190719T151829_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indi	CS_OFFL_SIR_FDM_220190719T134517_20190719T141003_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_2_20190719T15129_20190719T152924_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.  CS_OFFL_SIR_FDM_2_20190719T160607_20190719T163830_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 Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Page 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_20190719T184216_20190719T184657_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_20190719T184738_20190719T193932_C001  Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20190719T201315_20190719T201310_C001  Ocean Retracking Quali	CS_OFFL_SIR_FDM_220190719T144155_20190719T145854_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 Set Indicating the CFI Ocean Retrack	CS_OFFL_SIR_FDM_220190719T151149_20190719T151829_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20190719T18000_20190719T182019_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.  CS_OFFL_SIR_FDM_2_20190719T184738_20190719T190638_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_20190719T192413_20190719T193923_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_20190719T193927_20190719T20015_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_20190719T201212_20190719T203120_C001  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 Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20190719T203158_20190719T204509_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	CS_OFFL_SIR_FDM_220190719T152615_20190719T152924_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20190719T182955_20190719T183201_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.  CS_OFFL_SIR_FDM_2_20190719T184216_20190719T184657_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_20190719T184738_20190719T190638_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_20190719T192413_20190719T193923_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_20190719T193927_20190719T200015_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_20190719T201212_20190719T203120_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_20190719T203158_20190719T204509_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_20190719T210316_20190719T211812_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 F	CS_OFFL_SIR_FDM_2_20190719T160607_20190719T163830_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_2_20190719T184216_20190719T184657_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.  CS_OFFL_SIR_FDM_2_20190719T192413_20190719T193923_C001  Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20190719T193927_20190719T200015_C001  Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20190719T201212_20190719T203120_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_20190719T201212_20190719T203120_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_20190719T203158_20190719T204509_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_20190719T210316_20190719T211812_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20190719T210316_20190719T211812_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	CS_OFFL_SIR_FDM_220190719T174434_20190719T182019_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_2_20190719T194213_20190719T190638_C001  CS_OFFL_SIR_FDM_2_20190719T192413_20190719T1909323_C001  CS_OFFL_SIR_FDM_2_20190719T192413_20190719T200015_C001  CS_OFFL_SIR_FDM_2_20190719T201212_20190719T200015_C001  CS_OFFL_SIR_FDM_2_20190719T201212_20190719T200015_C001  CS_OFFL_SIR_FDM_2_20190719T201212_20190719T200015_C001  CS_OFFL_SIR_FDM_2_20190719T201212_20190719T200015_C001  CS_OFFL_SIR_FDM_2_20190719T201212_20190719T200105_C001  CS_OFFL_SIR_FDM_2_20190719T201212_20190719T200105_C001  CS_OFFL_SIR_FDM_2_20190719T201212_20190719T203120_C001  CS_OFFL_SIR_FDM_2_20190719T201318_20190719T204509_C001  CS_OFFL_SIR_FDM_2_20190719T203158_20190719T204509_C001  CS_OFFL_SIR_FDM_2_20190719T210316_20190719T211812_C001  CS_OFFL_SIR_FDM_2_20190719T210316_20190719T211812_C001  CS_OFFL_SIR_FDM_2_20190719T210315_20190719T212936_C001  CS_OFFL_SIR_FDM_2_20190719T212015_20190719T212936_C001  CS_OFFL_SIR_FDM_2_20190719T212015_20190719T212936_C001  CS_OFFL_SIR_FDM_2_20190719T212015_20190719T212936_C001  CS_OFFL_SIR_FDM_2_20190719T212015_20190719T212936_C001  CS_OFFL_SIR_FDM_2_20190719T212015_20190719T212936_C001  CS_OFFL_SIR_FDM_2_20190719T212015_20190719T212936_C001  CS_OFFL_SIR_FDM_2_20190719T212015_20190719T212936_C001  CCS_OFFL_SIR_FDM_2_20190719T212015_20190719T212936_C001  CCS_OFFL_SIR_FDM_2_20190719T212015_20190719T212936_C001  CCS_OFFL_SIR_FDM_2_20190719T212015_20190719T212936_C001  CCS_OFFL_SIR_FDM_2_20190719T212015_20190719T212936_C001  CCS_OFFL_SIR_FDM_2_20190719T212015_20190719T212936_C001  CCS_OFFL_SIR_FDM_2_20190719T212015_20190719T212936_C001  CCS_OFFL_SIR_FDM_2_20190719T212015_20190719T212936_C001  CCS_OFFL_SIR_FDM_2_20190719T212015_20190719T212936_C001  CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	CS_OFFL_SIR_FDM_2_20190719T182955_20190719T183201_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_2_20190719T193923_C001  CS_OFFL_SIR_FDM_2_20190719T193927_20190719T200015_C001  CS_OFFL_SIR_FDM_2_20190719T201212_20190719T200015_C001  CS_OFFL_SIR_FDM_2_20190719T201212_20190719T203120_C001  CS_OFFL_SIR_FDM_2_20190719T203158_20190719T203120_C001  CS_OFFL_SIR_FDM_2_20190719T203158_20190719T204509_C001  CS_OFFL_SIR_FDM_2_20190719T203158_20190719T204509_C001  CS_OFFL_SIR_FDM_2_20190719T20316_20190719T211812_C001  CS_OFFL_SIR_FDM_2_20190719T210316_20190719T211812_C001  CS_OFFL_SIR_FDM_2_20190719T210316_20190719T211812_C001  CS_OFFL_SIR_FDM_2_20190719T210316_20190719T21236_C001  CS_OFFL_SIR_FDM_2_20190719T210316_20190719T21236_C001  CS_OFFL_SIR_FDM_2_20190719T210316_20190719T2123858_C001  CS_OFFL_SIR_FDM_2_20190719T212015_20190719T2123858_C001  CS_OFFL_SIR_FDM_2_20190719T215152_20190719T2123858_C001  CS_OFFL_SIR_FDM_2_20190719T215152_20190719T20858_C001  CS_OFFL_SIR_	CS_OFFL_SIR_FDM_220190719T184216_20190719T184657_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_2_20190719T192015_C001  CS_OFFL_SIR_FDM_2_20190719T201212_20190719T200015_C001  CS_OFFL_SIR_FDM_2_20190719T201212_20190719T203120_C001  CS_OFFL_SIR_FDM_2_20190719T203158_20190719T204509_C001  CS_OFFL_SIR_FDM_2_20190719T203158_20190719T204509_C001  CS_OFFL_SIR_FDM_2_20190719T210316_20190719T211812_C001  CS_OFFL_SIR_FDM_2_20190719T210316_20190719T211812_C001  CS_OFFL_SIR_FDM_2_20190719T210316_20190719T2121812_C001  CS_OFFL_SIR_FDM_2_20190719T210316_20190719T212936_C001  CS_OFFL_SIR_FDM_2_20190719T212015_20190719T212936_C001  CS_OFFL_SIR_FDM_2_20190719T212015_20190719T212015_20190719T212015_20190719T212015_20190719T212015_20190719T212015_20190719T212015_20190719T212015_20190719T21	CS_OFFL_SIR_FDM_220190719T184738_20190719T190638_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_2_20190719T201212_20190719T203120_C001  CS_OFFL_SIR_FDM_2_20190719T203158_20190719T204509_C001  CS_OFFL_SIR_FDM_2_20190719T210316_20190719T211812_C001  CS_OFFL_SIR_FDM_2_20190719T210316_20190719T211812_C001  CS_OFFL_SIR_FDM_2_20190719T210316_20190719T211812_C001  CS_OFFL_SIR_FDM_2_20190719T210316_20190719T211812_C001  CS_OFFL_SIR_FDM_2_20190719T210316_20190719T2121812_C001  CS_OFFL_SIR_FDM_2_20190719T210316_20190719T212036_C001  CS_OFFL_SIR_FDM_2_20190719T212015_20190719T212036_C001  CS_OFFL_SIR_FDM_2_20190719T212015_20190719T212036_C001  CS_OFFL_SIR_FDM_2_20190719T212015_20190719T212036_C001  CS_OFFL_SIR_FDM_2_20190719T212015_20190719T212036_C001  CS_OFFL_SIR_FDM_2_20190719T212015_20190719T212036_C001  CS_OFFL_SIR_FDM_2_20190719T212015_20190719T212036_C001  CS_OFFL_SIR_FDM_2_20190719T212015_20190719T212036_C001  CS_OFFL_SIR_FDM_2_20190719T215152_20190719T212036_C001  CS_OFFL_SIR_FDM_2_20190719T215152_20190719T203658_C001  CS_OFFL_SIR_FDM_2_20190719T215152_20190719T203658_C001	CS_OFFL_SIR_FDM_220190719T192413_20190719T193923_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_2_20190719T203158_20190719T204509_C001  CS_OFFL_SIR_FDM_2_20190719T203158_20190719T204509_C001  CS_OFFL_SIR_FDM_2_20190719T210316_20190719T211812_C001  CS_OFFL_SIR_FDM_2_20190719T210316_20190719T211812_C001  CS_OFFL_SIR_FDM_2_20190719T212015_20190719T212936_C001  CS_OFFL_SIR_FDM_2_20190719T212015_20190719T212936_C001  CS_OFFL_SIR_FDM_2_20190719T212015_20190719T212936_C001  CS_OFFL_SIR_FDM_2_20190719T212015_20190719T212936_C001  CS_OFFL_SIR_FDM_2_20190719T212015_20190719T212936_C001  CS_OFFL_SIR_FDM_2_20190719T212015_20190719T212936_C001  CS_OFFL_SIR_FDM_2_20190719T212015_20190719T212936_C001  CS_OFFL_SIR_FDM_2_20190719T212015_20190719T212936_C001  CS_OFFL_SIR_FDM_2_20190719T2121552_20190719T212936_C001  CS_OFFL_SIR_FDM_2_20190719T215152_20190719T212936_C001  CS_OFFL_SIR_FDM_2_20190719T215152_20190719T212936_C001  CS_OFFL_SIR_FDM_2_20190719T215152_20190719T212936_C001  CS_OFFL_SIR_FDM_2_20190719T212015_20190719T212936_C001  CS_OFFL_SIR_FDM_2_20190719T212015_20190719T212015_20190719T212015_20190719T212015_20190719T212015_20190719T212015_20190719T212015_20190719T21015_20190719T21015_20190719T21015_20190719T21015_20190719T21015_20190719T21015_20190719T21015_20190719T21015_20190719T21015_20190719T21015_20190719T21015_20190719T21015	CS_OFFL_SIR_FDM_220190719T193927_20190719T200015_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_2_20190719T210316_20190719T211812_C001  CS_OFFL_SIR_FDM_2_20190719T212015_20190719T212936_C001  CS_OFFL_SIR_FDM_2_20190719T212015_20190719T212015_20190719T212015_20190719T212015_20190719T212015_20190719T212015_20190719T212015_20190719T212015_20190719T212015_20190719T212015_20190719T212015_20190719T21015_20190	CS_OFFL_SIR_FDM_220190719T201212_20190719T203120_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_201907191210316_201907191211032_C001  CS_OFFL_SIR_FDM_2_201907197212015_201907197212936_C001  CS_OFFL_SIR_FDM_2_201907197212015_201907197212936_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  Retracking Quality Flag is set indicating the CFI Ocean  CS_OFFL_SIR_FDM_2_201907197215152_201907197220858_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean	CS_OFFL_SIR_FDM_220190719T203158_20190719T204509_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_201907191212015_201907191212936_C001  CS_OFFL_SIR_FDM_2_201907191212155_201907191212936_C001  CS_OFFL_SIR_FDM_2_201907191212015_201907191212936_C001  CS_OFFL_SIR_FDM_2_201907191212015_201907191212936_C001  CS_OFFL_SIR_FDM_2_201907191212155_201907191212936_C001  CS_OFFL_SIR_FDM_2_201907191212015_201907191212936_C001  CS_OFFL_SIR_FDM_2_201907191212015_201907191212936_C001  CS_OFFL_SIR_FDM_2_201907191212015_201907191212936_C001  CS_OFFL_SIR_FDM_2_201907191212015_201907191212936_C001  CS_OFFL_SIR_FDM_2_201907191212015_201907191212936_C001	CS_OFFL_SIR_FDM_220190719T210316_20190719T211812_C001	Ocean Retracking Quality Flag	
	CS_OFFL_SIR_FDM_220190719T212015_20190719T212936_C001	Ocean Retracking Quality Flag	
	CS_OFFL_SIR_FDM_220190719T215152_20190719T220858_C001	Ocean Retracking Quality Flag	

CS\_OFFL\_SIR\_FDM\_2\_\_20190719T233514\_20190719T234226\_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 Retracker was not successfully executed for one or more records.

 ${\sf CS\_OFFL\_SIR\_FDM\_2\_20190719T234349\_20190720T000655\_C001}$ 

# 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_	140	140	140	0	0
SIR1SAR_0_	138	102	102	0	0
SIR1SIN_0_	109	109	109	0	0
SIR_FDM_1B	140	138	140	0	0
SIR FDM 2	138	138	138	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:

112