

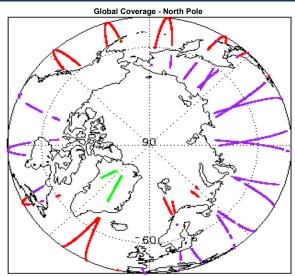
# 1. Overview

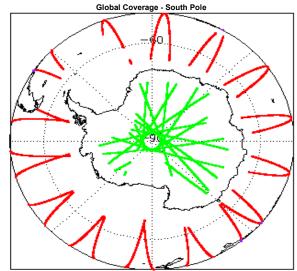
Report Production Date:	14-Jan-2020
Processor Used:	CryoSat Ice Processor
Data Used:	L1 and L2 Fast Delivery Marine (FDM)  Mode and L0 Data

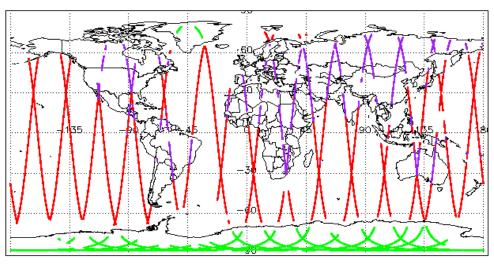
Check	Ctatus
Cneck	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2, 5.2 and 6.2
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check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

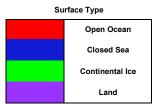
Mission / Instru	iment News
12-Jan-2020	None
13-Jan-2020	None
14-Jan-2020	Nothing planned

# 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:

	- 4	-

Product	Test Failed
CS_OPER_SIR1SAR_020200113T070635_20200113T071014_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020200113T090606_20200113T090831_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020200113T111812_20200113T112300_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020200113T121101_20200113T121632_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020200113T145609_20200113T145616_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020200113T180331_20200113T181313_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020200113T213245_20200113T213431_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020200113T030822_20200113T031216_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020200113T032711_20200113T032818_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020200113T125452_20200113T125749_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020200113T143202_20200113T143559_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020200113T163613_20200113T163735_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020200113T181313_20200113T181744_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020200113T022647_20200113T023127_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020200113T032926_20200113T033234_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020200113T090328_20200113T090606_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020200113T212332_20200113T212447_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_20200113T033311_20200113T035747_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200113T040044_20200113T040415_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200113T040423_20200113T040431_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200113T040438_20200113T040805_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200113T041030_20200113T043939_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200113T162053_20200113T162135_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200113T162135_20200113T162209_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200113T175806_20200113T180029_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200113T193447_20200113T193611_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200113T193611_20200113T193709_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_20200113T162053_20200113T162135_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20200113T193447_20200113T193611_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: 0

# 5.5 L1B FDM Auxilary Data File Usage Check

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

Number of products with errors:

### 5.6 L1B FDM Auxiliary Correction Error Check

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

Number of products with errors:

#### 5.7 L1B FDM Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20200113T064418_20200113T064502_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_20200113T064701_20200113T065654_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_20200113T070053_20200113T070635_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_20200113T162053_20200113T162135_C001	Attitude correction missing	The attitude has not been corrected
CS OFFL SIR FDM 1B 20200113T193447 20200113T193611 C001	Attitude correction missing	The attitude has not been corrected

# 6. Level 2 FDM Data Quality Check

### 6.1 L2 FDM Product Format Check

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

Number of products with errors:

#### 6.2 L2 FDM Product Header Analysis

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

Number of products with errors:

10

Product	Test Failed
CS_OFFL_SIR_FDM_220200113T033311_20200113T035747_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200113T040044_20200113T040415_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200113T040423_20200113T040431_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200113T040438_20200113T040805_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200113T041030_20200113T043939_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200113T162053_20200113T162135_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200113T162135_20200113T162209_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200113T175806_20200113T180029_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200113T193447_20200113T193611_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200113T193611_20200113T193709_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).

### 6.3 L2 FDM Auxiliary Data File Usage Check

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

Number of products with errors:

0

### 6.4 L2 FDM Auxiliary Correction Error Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220200113T000837_20200113T002109_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_220200113T002314_20200113T003900_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_220200113T011146_20200113T012238_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_220200113T015851_20200113T020133_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_220200113T023131_20200113T030517_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_220200113T030733_20200113T030822_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_220200113T033311_20200113T035747_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_220200113T041030_20200113T043939_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_220200113T050154_20200113T053646_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_220200113T055055_20200113T062440_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200113T064701_20200113T065654_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_220200113T073004_20200113T080311_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_220200113T083630_20200113T085541_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200113T090831_20200113T094302_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_220200113T100730_20200113T101151_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_220200113T101247_20200113T103025_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_220200113T110613_20200113T110848_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_220200113T112323_20200113T112333_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_220200113T113758_20200113T115600_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200113T122754_20200113T124328_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_220200113T124529_20200113T125452_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

	I	There is an error with the Sea State Bias Correction for one or more
CS_OFFL_SIR_FDM_220200113T132245_20200113T133412_C001	Sea State Bias Correction	records
CS_OFFL_SIR_FDM_220200113T135139_20200113T135346_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_220200113T145958_20200113T153313_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_220200113T154638_20200113T161158_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_220200113T164325_20200113T171115_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_220200113T172537_20200113T175339_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_220200113T180246_20200113T180331_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_220200113T181744_20200113T185033_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_220200113T190424_20200113T191026_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_220200113T195636_20200113T203034_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200113T213431_20200113T215624_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200113T215733_20200113T220829_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_220200113T222217_20200113T222247_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200113T222413_20200113T225122_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200113T225137_20200113T225844_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_220200113T233024_20200113T233147_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_2_20200113T233150_20200113T234804_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records

## 6.5 L2 FDM Measurement Confidence Data Check

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

Number of products with errors:

5

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220200113T064418_20200113T064502_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220200113T064701_20200113T065654_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220200113T070053_20200113T070635_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220200113T162053_20200113T162135_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220200113T193447_20200113T193611_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:

22

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220200113T000837_20200113T002109_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20200113T011146_20200113T012238_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20200113T015851_20200113T020133_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20200113T023131_20200113T030517_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20200113T030733_20200113T030822_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20200113T033311_20200113T035747_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20200113T041030_20200113T043939_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20200113T050154_20200113T053646_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20200113T064701_20200113T065654_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_220200113T073004_20200113T080311_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_220200113T090831_20200113T094302_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_220200113T100730_20200113T101151_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20200113T101247_20200113T103025_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20200113T122754_20200113T124328_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_220200113T124529_20200113T125452_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_220200113T145958_20200113T153313_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_220200113T154638_20200113T161158_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_220200113T164325_20200113T171115_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_220200113T172537_20200113T175339_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_220200113T181744_20200113T185033_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_220200113T233024_20200113T233147_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_220200113T233150_20200113T234804_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

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CryoSat L2 data includes a SWH-Squared Averaging Status flag (field 39) and an CFI (field 45) and OCOG (field 51) Backscatter Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220200113T000837_20200113T002109_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_220200113T011146_20200113T012238_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_220200113T015851_20200113T020133_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_220200113T023131_20200113T030517_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_220200113T030733_20200113T030822_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_220200113T033311_20200113T035747_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_220200113T041030_20200113T043939_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_220200113T050154_20200113T053646_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_220200113T064701_20200113T065654_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_220200113T073004_20200113T080311_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_220200113T090831_20200113T094302_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_220200113T100730_20200113T101151_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_220200113T101247_20200113T103025_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_220200113T122754_20200113T124328_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_220200113T124529_20200113T125452_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_220200113T145958_20200113T153313_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_220200113T154638_20200113T161158_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_220200113T164325_20200113T171115_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_220200113T172537_20200113T175339_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_220200113T181744_20200113T185033_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_220200113T233024_20200113T233147_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_220200113T233150_20200113T234804_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:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220200113T000837_20200113T002109_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_220200113T002314_20200113T003900_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_220200113T005510_20200113T010527_C001		The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.

Ces. OFFL_SIR_FDM_2_20000137101961_20001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag  Ocean Retracking Quality Fl		1	
Segment recording Country Fing  CS_OFFL_SIR_FDML_2_20200113T00373_20200113T00362_C011  Ocean Retracking Quality Fing  Ret	CS_OFFL_SIR_FDM_220200113T011146_20200113T012238_C001	Ocean Retracking Quality Flag	•
Segment was not successfully securated for one or more records.  Segment was not successfully securated for one or more records.  Segment was not successfully securated for one or more records.  Segment was not successfully securated for one or more records.  Segment was not successfully securated for one or more records.  Segment was not successfully securated for one or more records.  Segment was not successfully securated for one or more records.  Segment was not successfully securated for one or more records.  Segment was not successfully securated for one or more records.  Segment was not successfully securated for one or more records.  Fro Cean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating t	CS_OFFL_SIR_FDM_220200113T015851_20200113T020133_C001	Ocean Retracking Quality Flag	
CS_OFFL_SR_FDM_2_20201137104303_2020113705374_C001  Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Coean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Coean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Coean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Coean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Coean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Coean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Coean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Coean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Coean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Coean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Coean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Coean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Coean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Coean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Coean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Coean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Coean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Coean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Coean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Coean Retracki	CS_OFFL_SIR_FDM_220200113T023131_20200113T030517_C001	Ocean Retracking Quality Flag	
Osean Retracking Quality Flag  For Dean Retracking Quality Flag  Retracker was not successfully executed for one or more records.  Retracker was not successfully executed for one or more records.  Retracker was not successfully executed for one or more records.  Retracker was not successfully executed for one or more records.  Retracker was not successfully executed for one or more records.  Retracker was not successfully executed for one or more records.  Retracker was not successfully executed for one or more records.  Retracker was not successfully executed for one or more records.  Retracker was not successfully executed for one or more records.  Retracker was not successfully executed for one or more records.  Retracker was not successfully executed for one or more records.  Retracker was not successfully executed for one or more records.  Retracker was not successfully executed for one or more records.  Retracker was not successfully executed for one or more records.  Retracker was not successfully executed for one or more records.  Retracker was not successfully executed for one or more records.  Retracker was not successfully executed for one or more records.  Retracker was not successfully executed for one or more records.  Retracker was not successfully executed for one or more records.  Retracker was not successfully executed for one or more records.  Retracker was not successfully executed for one or more records.  Retracker was not successfully executed for one or more records.  Retracker was not successfully executed for one or more records.  Retracker was not successfully executed for one or more records.  Retracker was not successfully executed for one or more records.  Retracker was not successfully executed for one or more records.  Retracker was not successfully executed for one or more records.  Retracker was not successfully executed for one or more records.  Retracker was not successfully executed for one or more records.  Retracker was not successfully executed for one or more records.  R	CS_OFFL_SIR_FDM_220200113T030733_20200113T030822_C001	Ocean Retracking Quality Flag	
Coean Retracking Quality Figs	CS_OFFL_SIR_FDM_220200113T033311_20200113T035747_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20000113100913_20000113108081_C001  CS_OFFL_SIR_FDM_2_200001131008331_C001  CS_OFFL_SIR_FDM_2_200001131008331_20001131080311_C001  CS_OFFL_SIR_FDM_2_200001131008331_2000113109531_C001  CS_OFFL_SIR_FDM_2_200001131008331_20000113109531_C001  CS_OFFL_SIR_FDM_2_200001131008331_20000113109531_C001  CS_OFFL_SIR_FDM_2_200001131008331_20000113109532_C001  CS_OFFL_SIR_FDM_2_200001131008331_20000113109532_C001  CS_OFFL_SIR_FDM_2_20000113100933_20000113110953_C001  CS_OFFL_SIR_FDM_2_20000113100933_200001131100151_C001  CS_OFFL_SIR_FDM_2_20000113100933_200001131100152_C001  CS_OFFL_SIR_FDM_2_20000113110093_200001131100152_C001  CS_OFFL_SIR_FDM_2_20000113110932_C001131110152_C001  CS_OFFL_SIR_FDM_2_20000113110932_C0001131110153_C001  CS_OFFL_SIR_FDM_2_20000113110932_C0001131110153_C001  CS_OFFL_SIR_FDM_2_20000113111053_C0001131110153_C001  CS_OFFL_SIR_FDM_2_20000113110153_C0001131110153_C001  CS_OFFL_SIR_FDM_2_20000113111053_C0001131110153_C0001131110153_C0001131110153_C0001131110153_C0001131110153_C0001131110153_C0001131110153_C0001131110153_C0001131110153_C0001131110153_C0001131110153_C0001131110153_C0001131110153_C00011311110153_C0001131110153_C0001131110153_C0001131110153_C0001131110153_C0001131110153_C0001131110153_C0001131110153_C0001131110153_C0001131110153_C0001131110153_C0001131110153_C0001131110153_C0001131110153_C0001131110153_C0001131110153_C0001131110153_C00011311110153_C0001131110153_C0001131110153_C00011311110153_C00011311110153_C00011311110153_C0001131110153_C00011311110153_C0001131110153_C00011311110153	CS_OFFL_SIR_FDM_220200113T041030_20200113T043939_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_2020113T073094_20200113T0830311_C001  Coean Retracking Quality Fig Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_2020113T073098300_20200113T089541_C001  CS_OFFL_SIR_FDM_2_2020113T073098300_20200113T089541_C001  CS_OFFL_SIR_FDM_2_20200113T1073098300_20200113T098302_C001  CS_OFFL_SIR_FDM_2_20200113T107300_20200113T10150_C001  CS_OFFL_SIR_FDM_2_20200113T107300_20200113T10150_C001  CS_OFFL_SIR_FDM_2_20200113T1074000_20200113T10150_C001  CS_OFFL_SIR_FDM_2_20200113T104000_20200113T11050_C001  CS_OFFL_SIR_FDM_2_20200113T104000_20200113T11050_C001  CS_OFFL_SIR_FDM_2_20200113T11050_C001  CS_OFFL_SIR_FDM_2_20200113T11050_C0011  CS_OFFL_SIR_FDM_2_20200113T11050_C0011  CS_OFFL_SIR_FDM_2_20200113T1050_C00113T1050_C001  CS_OFFL_SIR_FDM_2_20200113T1050_C00113T1050_C001  CS_OFFL_SIR_FDM_2_20200113T1050_C00113T1050_C001  CS_OFFL_SIR_FDM_2_20200113T1050_C00113T1050_C001  CS_OFFL_SIR_FDM_2_20200113T1050_C00113T1050_C001  CS_OFFL_SIR_FDM_2_20200113T1050_C00113T1050_C0011  CS_OFFL_S	CS_OFFL_SIR_FDM_220200113T050154_20200113T053646_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_202011371093830_020201137109431_CO01  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_20201137109381_2020011371094302_CO01  Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20201137101247_2020011371094302_CO01  Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20200113710493_20200113710950_CO01  Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20200113711050_CO01  Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_2020011371115756_202001137111550_CO01  Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_202001137111576_202001137111500_CO01  Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_202001137115712_20200113711200_CO01  Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records.  The Coane Retracking Quality Flag Retracker was not successfully executed for one or more records.  The Coane Retracking Quality Flag is ent indicating the CFI Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records.  The Coane Retracking Quality Flag is ent indicating the CFI Ocean Retracking Quality Flag is ent indicating the CFI Ocean Retracking Quality Flag is ent indicating the CFI Ocean Retracking Quality Flag is ent indicating the CFI Ocean Retracking Quality Flag is ent indicating the CFI Ocean Retracking Quality Flag is ent indicating the CFI Ocean Retracking Quality Flag is ent indicating the CFI Ocean Retracking Quality Flag is ent indicating the CFI Ocean Retracking Quality Flag is ent indicating the CFI Ocean Retracking Qu	CS_OFFL_SIR_FDM_220200113T064701_20200113T065654_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_2020113T08939_20200113T094302_C01  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 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	CS_OFFL_SIR_FDM_220200113T073004_20200113T080311_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_02001137100730_202011371015C_001  CS_OFFL_SIR_FDM_2_02001137100730_202011371015C_001  CS_OFFL_SIR_FDM_2_0200113710490_2020011371050_C001  CS_OFFL_SIR_FDM_2_02001137110580_C001  CS_OFFL_SIR_FDM_2_02001137110580_C001  CS_OFFL_SIR_FDM_2_02001137110580_C001  CS_OFFL_SIR_FDM_2_02001137110580_C0001  CS_OFFL_SIR_FDM_2_020011371110580_C0001  CS_OFFL_SIR_FDM_2_02001137110580_C0001  CS_OFFL_SIR_FDM_2_020011371110580_C0001  CS_OFFL_SIR_FDM_2_02001137113758_C001  CS_OFFL_SIR_FDM_2_0200113711275302001137120001  CS_OFFL_SIR_FDM_2_0200113711275302001137120001  CS_OFFL_SIR_FDM_2_020001137112753020011371124328_C001  CS_OFFL_SIR_FDM_2_0200011371125750_C001  CS_OFFL_SIR_FDM_2_02000113711353130_C001  CS_OFFL_SIR_FDM_2_02000113711353130_C001  CS_OFFL_SIR_FDM_2_02000113711353130_C001  CS_OFFL_SIR_FDM_2_02000113711353130_C001  CS_OFFL_SIR_FDM_2_02000113711353130_C001  CS_OFFL_SIR_FDM_2_0200011371353313_C001  CS_OFFL_SIR_FDM_2_0200011371353313_C001  CS_OFFL_SIR_FDM_2_0200011371353313_C001  CS_OFFL_SIR_FDM_2_020001137131313412_C001  CS_OFFL_SIR_FDM_2_0200011371313412500011371253000013711353300001  CS_OFFL_SIR_FDM_2_02000113713134312_C00001137125300001371733300000137135300001  CS_OFFL_SIR_FDM_2_0200011371333310_C001  CS_OFFL_SIR_FDM_2_020001137123331_C00101  CS_OFFL_SIR_FDM_2_020001137123331_C00101  CS_OFFL_SIR_FDM_2_020001137123331_C00101  CS_OFFL_SIR_FDM_2_020001137123331_C00101  CS_OFFL_SIR_FDM_2_020001137123331_C00101  CS_OFFL_SIR_FDM_2_020001137123331_C00101  CS_OFFL_SIR_FDM_2_020001137123331_C00101  CS_OFFL_SIR_FDM_2_020001137123331_C0001137123300001  CS_OFFL_SIR_FDM_2_020001137123331_C0001137123300001371230000	CS_OFFL_SIR_FDM_220200113T083630_20200113T085541_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20200113T101247_20200113T1053_C001  Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20200113T104903_20200113T10530_C001  Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20200113T110580_20001  Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20200113T111550_20001  Ocean Retracking Quality Flag  Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20200113T113T550_2000113T111500_C001  Ocean Retracking Quality Flag  Ocean Retracking Quality Flag  Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20200113T1157513_20200113T11510_C001  Ocean Retracking Quality Flag  Ocean R	CS_OFFL_SIR_FDM_220200113T090831_20200113T094302_C001	Ocean Retracking Quality Flag	
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CS_OFFL_SIR_FDM_2_20200113T11058_0200113T111811_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 Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag as expected 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 Process of the Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Process of Process	CS_OFFL_SIR_FDM_220200113T101247_20200113T103025_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20200113T115758_20200113T11560_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 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 Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20200113T154538_20200113T153313_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	CS_OFFL_SIR_FDM_220200113T104903_20200113T110530_C001	Ocean Retracking Quality Flag	
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CS_OFFL_SIR_FDM_2_20200113T12754_20200113T124328_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag 20200113T124529_20200113T12452_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag 20200113T132245_20200113T132345_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 Retracker was not successfully executed for one or more records. The Ocean Retracker was not successfully executed for one or more records. The Ocean Retracker was not successfully executed for one or more records. The Ocean Retracker was not successfully executed for one or more records. The Ocean Retracker was not successfully executed for one or more records. The Ocean Retracker was not successfully executed for one or more records. The Ocean Retracker was not successfully executed for one or more records. The Ocean Retracker was not successfully executed for one or more records. The Ocean Retracker was not successfully executed for one or more records. The Ocean Retracker was not successfully executed for one or more records. The Ocean Retracker was not successfully executed for one or more records. The Ocean Retracker was not successfully executed for one or more records. The Ocean Retracker was not successfully executed for one or more records. The 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 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 Ret	CS_OFFL_SIR_FDM_220200113T113758_20200113T115600_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20200113T122542_20200113T125452_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 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 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 Retracking Quality Flag 20200113T164325_20200113T161158_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 20200113T1717115_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 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	CS_OFFL_SIR_FDM_220200113T115713_20200113T121100_C001	Ocean Retracking Quality Flag	
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CS_OFFL_SIR_FDM_2_20200113T145958_20200113T153313_CO01  CS_OFFL_SIR_FDM_2_20200113T154638_20200113T161158_CO01  CS_OFFL_SIR_FDM_2_20200113T154638_20200113T161158_CO01  CS_OFFL_SIR_FDM_2_20200113T164325_20200113T171115_CO01  CS_OFFL_SIR_FDM_2_20200113T164325_20200113T171115_CO01  CS_OFFL_SIR_FDM_2_20200113T175339_CO01  CS_OFFL_SIR_FDM_2_20200113T175339_CO01  CS_OFFL_SIR_FDM_2_20200113T175339_CO01  CS_OFFL_SIR_FDM_2_20200113T175339_CO01  CS_OFFL_SIR_FDM_2_20200113T175339_CO01  CS_OFFL_SIR_FDM_2_20200113T181744_20200113T185033_CO01  CS_OFFL_SIR_FDM_2_20200113T195636_20200113T203034_CO01  CS_OFFL_SIR_FDM_2_20200113T195636_20200113T203034_CO01  CS_OFFL_SIR_FDM_2_20200113T23431_20200113T215624_CO01  CS_OFFL_SIR_FDM_2_20200113T222217_20200113T222247_CO01  CS_OFFL_SIR_FDM_2_20200113T2222413_20200113T222247_CO01  CS_OFFL_SIR_FDM_2_20200113T2222413_20200113T223524_CO01  CS_OFFL_SIR_FDM_2_20200113T233024_20200113T2333147_CO01  CS_OFFL_SIR_FDM_2_20200113T233024_20200113T2333147_CO01  CS_OFFL_SIR_FDM_2_20200113T233024_20200113T2333147_CO01  CS_OFFL_SIR_FDM_2_20200113T233024_20200113T2333147_CO01  CS_OFFL_SIR_FDM_2_20200113T233304_20200113T2333147_CO01  CS_OFFL_SIR_FDM_2_20200113T233304_20200113T2333147_CO01  CS_OFFL_SIR_FDM_2_20200113T233304_20200113T2333147_CO01  CS_OFFL_SIR_FDM_2_20200113T233304_20200113T2333147_CO01  CS_OFFL_SIR_FDM_2_20200113T233304_20200113T2333147_CO01  CS_OFFL_SIR_FDM_2_20200113T233304_20200113T2333147_CO01  CS_OFFL_SIR_FDM_2_20200113T2333147_CO01  CS_OFFL_SIR_FDM_2_20200113T233304_20200113T2333147_CO01  CS_OFFL_SIR_FDM_2_20200113T233304_20200113T2333147_CO01  CS_OFFL_SIR_FDM_2_20200113T233304_20200113T2333147_CO01  CS_OFFL_SIR_FDM_2_20200113T233304_20200113T2333147_CO01  CS_OFFL_SIR_FDM_2_20200113T2333147_CO01  CS_OFFL_SIR_FDM_2_20200113T2333147_CO01  CS_OFFL_SIR_FDM_2_20200113T233304_20200113T2333147_CO01  CS_OFFL_SIR_FDM_2_20200113T2333147_CO01  CS_OFFL_SIR_FDM_2_20200113T2333147_CO01  CS_OFFL_SIR_FDM_2_20200113T2333147_CO01  CS_OFFL_SIR_FDM_2_20200113T2333147_CO01  CS_OFFL_SIR_FDM_2_20200113T2333	CS_OFFL_SIR_FDM_220200113T132245_20200113T133412_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20200113T149352_20200113T161158_C001  Ccean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20200113T154638_20200113T161158_C001  Ccean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20200113T164325_20200113T171115_C001  Ccean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20200113T172537_20200113T175339_C001  Ccean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20200113T172537_20200113T175339_C001  Ccean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20200113T181744_20200113T185033_C001  CCEAN Retracking Quality Flag  CCEAN Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20200113T181744_20200113T185033_C001  CCEAN Retracking Quality Flag  CCEAN Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20200113T195636_20200113T203034_C001  CCEAN Retracking Quality Flag  CCEAN Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20200113T195636_20200113T203034_C001  CCEAN Retracking Quality Flag  CCEAN Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20200113T213431_20200113T215624_C001  CCEAN Retracking Quality Flag  CCEAN 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	CS_OFFL_SIR_FDM_220200113T135139_20200113T135346_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20200113T164325_20200113T175339_C001  CS_OFFL_SIR_FDM_2_20200113T172537_20200113T175339_C001  CS_OFFL_SIR_FDM_2_20200113T172537_20200113T175339_C001  CS_OFFL_SIR_FDM_2_20200113T172537_20200113T175339_C001  CS_OFFL_SIR_FDM_2_20200113T18744_20200113T185033_C001  CS_OFFL_SIR_FDM_2_20200113T18744_20200113T185033_C001  CS_OFFL_SIR_FDM_2_20200113T195636_20200113T1000000000000000000000000000000	CS_OFFL_SIR_FDM_220200113T145958_20200113T153313_C001	Ocean Retracking Quality Flag	
Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20200113T17537_20200113T175339_C001  CS_OFFL_SIR_FDM_2_20200113T181744_20200113T185033_C001  CS_OFFL_SIR_FDM_2_20200113T195636_20200113T203034_C001  CS_OFFL_SIR_FDM_2_20200113T213431_20200113T203034_C001  CS_OFFL_SIR_FDM_2_20200113T213431_20200113T215624_C001  CS_OFFL_SIR_FDM_2_20200113T222217_20200113T222247_C001  CS_OFFL_SIR_FDM_2_20200113T222217_20200113T222247_C001  CS_OFFL_SIR_FDM_2_20200113T222217_20200113T222247_C001  CS_OFFL_SIR_FDM_2_20200113T222217_20200113T225122_C001  CS_OFFL_SIR_FDM_2_20200113T222217_20200113T225122_C001  CS_OFFL_SIR_FDM_2_20200113T222217_20200113T225122_C001  CS_OFFL_SIR_FDM_2_20200113T222217_20200113T225122_C001  CS_OFFL_SIR_FDM_2_20200113T233024_20200113T23542_C001  CS_OFFL_SIR_FDM_2_20200113T233024_20200113T233147_C001  CS_OFFL_SIR_FDM_2_20200113T233024_20200113T233147_C001  CS_OFFL_SIR_FDM_2_20200113T233304_20200113T233147_C001  CS_OFFL_SIR_FDM_2_20200113T233304_20200113T233147_C001  CS_OFFL_SIR_FDM_2_20200113T233304_20200113T233147_C001  CS_OFFL_SIR_FDM_2_20200113T233350_20200113T233147_C001  CS_OFFL_SIR_FDM_2_20200113T233350_20200113T233147_C001  CS_OFFL_SIR_FDM_2_20200113T233150_20200113T233147_C001  CS_OFFL_SIR_FDM_2_2020	CS_OFFL_SIR_FDM_220200113T154638_20200113T161158_C001	Ocean Retracking Quality Flag	
Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20200113T18744_20200113T185033_C001  CS_OFFL_SIR_FDM_2_20200113T195636_20200113T203034_C001  CS_OFFL_SIR_FDM_2_20200113T213431_20200113T203034_C001  CS_OFFL_SIR_FDM_2_20200113T213431_20200113T215624_C001  CS_OFFL_SIR_FDM_2_20200113T213431_20200113T222247_C001  CS_OFFL_SIR_FDM_2_20200113T222217_20200113T222247_C001  CS_OFFL_SIR_FDM_2_20200113T2222413_20200113T222247_C001  CS_OFFL_SIR_FDM_2_20200113T2222413_20200113T225122_C001  CS_OFFL_SIR_FDM_2_20200113T2222413_20200113T225122_C001  CS_OFFL_SIR_FDM_2_20200113T2222413_20200113T23542_C001  CS_OFFL_SIR_FDM_2_20200113T233324_20200113T233542_C001  CS_OFFL_SIR_FDM_2_20200113T233024_20200113T233147_C001  CS_OFFL_SIR_FDM_2_20200113T233024_20200113T233147_C001  CS_OFFL_SIR_FDM_2_20200113T233024_20200113T233147_C001  CS_OFFL_SIR_FDM_2_20200113T233350_20200113T233147_C001  CS_OFFL_SIR_FDM_2_20200113T233350_20200113T233460_C001  CS_OFFL_SIR_FDM_2_20200113T233450_20200113T233460_C001  CS_OFFL_SIR_FDM_2_20200113T233450_20200113T233460_C001  CS_OFFL_SIR_FDM_2_20200113T233450_20200113T233460_C001  CS_OFFL_SIR_FDM_2_20200113T233450_20200113T233460_C001  CS_OFFL_SIR_FDM_2_20200113T233450_20200113T233460_C001  CS_OFFL_SIR_FDM_2_20200113T233450_20200113T233460_C001  CS_OFFL_SIR_FDM_2_20200113T233450_20200113T233460_C001  CS_OFFL_SIR_FDM_2_20200113T233450_20200113T233460_C001  CS_OFFL_SIR_FDM_2_	CS_OFFL_SIR_FDM_220200113T164325_20200113T171115_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20200113T1233150_20200113T22247_C001  CS_OFFL_SIR_FDM_2_20200113T222217_20200113T222247_C001  CS_OFFL_SIR_FDM_2_20200113T222217_20200113T222247_C001  CS_OFFL_SIR_FDM_2_20200113T222217_20200113T222247_C001  CS_OFFL_SIR_FDM_2_20200113T222217_20200113T222247_C001  CS_OFFL_SIR_FDM_2_20200113T222217_20200113T222247_C001  CS_OFFL_SIR_FDM_2_20200113T222217_20200113T222247_C001  CS_OFFL_SIR_FDM_2_20200113T222217_20200113T222247_C001  CS_OFFL_SIR_FDM_2_20200113T222217_20200113T222247_C001  CS_OFFL_SIR_FDM_2_20200113T2222413_20200113T225122_C001  CS_OFFL_SIR_FDM_2_20200113T2222413_20200113T23542_C001  CS_OFFL_SIR_FDM_2_20200113T231525_20200113T232542_C001  CS_OFFL_SIR_FDM_2_20200113T233024_20200113T233147_C001  CS_OFFL_SIR_FDM_2_20200113T233024_20200113T233147_C001  CS_OFFL_SIR_FDM_2_20200113T233304_20200113T233147_C001  CS_OFFL_SIR_FDM_2_20200113T233350_20200113T233147_C001  CS_OFFL_SIR_FDM_2_20200113T233350_20200113T233147_C001  CS_OFFL_SIR_FDM_2_20200113T233350_20200113T233147_C001  CS_OFFL_SIR_FDM_2_20200113T233350_20200113T233147_C001  CS_OFFL_SIR_FDM_2_20200113T233350_20200113T233147_C001  CS_OFFL_SIR_FDM_2_20200113T233150_20200113T233147_C001  CS_OFFL_SIR_FDM_2_20200113T233150_20200113T233150_20200113T233150_20200113T233150_20200113T233150_20200113T233150_20200113T233150_20200113T23	CS_OFFL_SIR_FDM_220200113T172537_20200113T175339_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20200113T213431_20200113T215624_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag (Quality Flag)  CS_OFFL_SIR_FDM_2_20200113T222217_20200113T222247_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_20200113T2222413_20200113T222247_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_20200113T231525_20200113T232542_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_20200113T233024_20200113T233147_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_20200113T233024_20200113T233147_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.	CS_OFFL_SIR_FDM_220200113T181744_20200113T185033_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20200113T222247_2001	CS_OFFL_SIR_FDM_220200113T195636_20200113T203034_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20200113T222413_20200113T225122_C001  CS_OFFL_SIR_FDM_2_20200113T222413_20200113T225122_C001  CS_OFFL_SIR_FDM_2_20200113T231525_20200113T23542_C001  CS_OFFL_SIR_FDM_2_20200113T231525_20200113T233542_C001  CS_OFFL_SIR_FDM_2_20200113T233024_20200113T233147_C001  CS_OFFL_SIR_FDM_2_20200113T233024_20200113T233147_C001  CS_OFFL_SIR_FDM_2_20200113T233024_20200113T233147_C001  CS_OFFL_SIR_FDM_2_20200113T233024_20200113T233147_C001  CS_OFFL_SIR_FDM_2_20200113T233024_20200113T233147_C001  CS_OFFL_SIR_FDM_2_20200113T233024_20200113T233147_C001  CS_OFFL_SIR_FDM_2_20200113T233150_20200113T233147_C001  CS_OFFL_SIR_FDM_2_20200113T233150_20200113T230200113T230200113T230200113T23000113T23000	CS_OFFL_SIR_FDM_220200113T213431_20200113T215624_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20200113T233152_20200113T232542_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_20200113T233024_20200113T233147_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_220200113T2222217_20200113T2222247_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_202001131233254_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 O	CS_OFFL_SIR_FDM_220200113T222413_20200113T225122_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20200113T233024_20200113T233147_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 i	CS_OFFL_SIR_FDM_220200113T231525_20200113T232542_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS OFFI SIR FDM 2, 20200113T233150, 20200113T234804, C001	CS_OFFL_SIR_FDM_220200113T233024_20200113T233147_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
	CS_OFFL_SIR_FDM_220200113T233150_20200113T234804_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean

# 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_	183	183	183	0	0
SIR1SAR_0_	130	130	130	0	0
SIR1SIN_0_	105	105	105	0	0
SIR2SIN_0_	109	109	109	0	0
SIR_FDM_1B	183	183	2	0	181
SIR FDM 2	182	182	133	49	0

# 7.1 QCC Errors

Number of QCC reports with errors:

# 7.2 QCC Warnings

Number of QCC reports with warnings

51

181

# 7.3 Missing QCC Reports

Number of products with missing QCC reports:

0