



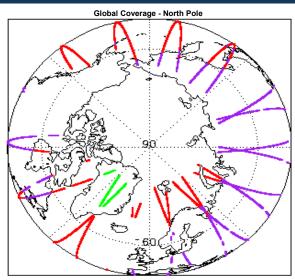
## 1. Overview

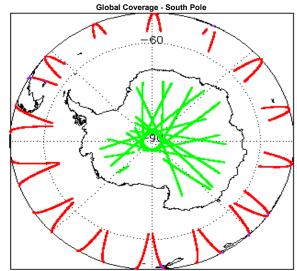
Report Production Date:	02-Oct-2018	
Processor Used:	CryoSat Ice Processor	
Data Used:	L1 and L2 Fast Delivery Marine (FDM)	

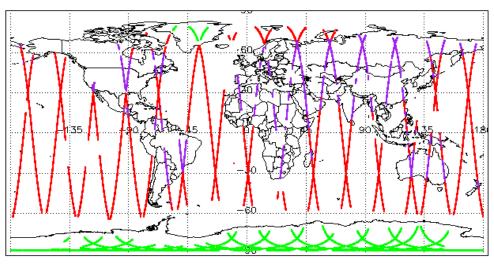
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check	Nominal
Auxiliary Data File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

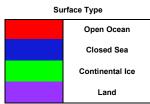
Mission / Instru	ument News
27-Sep-2018	None
28-Sep-2018	None
29-Sep-2018	Nothing planned

# 2. Global Coverage









## 3. Instrument Configuration

The SIRAL instrument configuration for the day of acquisition is provided below.

SIRAL instrument(s) in use:	SIRAL - A
Star Tracker(s) in use:	Star Tracker 1

# 4. Level 0 Data Quality Check

### 4.1 L0 Product Format Check

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

#### 4.2 L0 Product Header Analysis

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

Number of products with errors:

Product	Test Failed
CS_OPER_SIR1SAR_020180928T124550_20180928T125019_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_0_20180928T210535_20180928T211331_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_0_20180928T101106_20180928T101804_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_0_20180928T191120_20180928T191456_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020180928T083254_20180928T083710_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020180928T233952_20180928T234556_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020180928T102819_20180928T103021_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020180928T080109_20180928T080325_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020180928T040521_20180928T040838_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020180928T013504_20180928T014319_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020180928T151241_20180928T151507_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020180928T010852_20180928T011200_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020180928T125234_20180928T125341_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020180928T041953_20180928T042721_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020180928T063604_20180928T063742_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:

#### 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_20180928T155542_20180928T160138_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20180928T191623_20180928T191650_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20180928T224035_20180928T224047_C001	No Star Tracker file used in the processing of this product

#### 5.4 L1B FDM Calibration Usage Check

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

Number of products with errors:

### 5.5 L1B FDM Auxilary Data File Usage Check

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

Number of products with errors:

### 5.6 L1B FDM Auxiliary Correction Error Check

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

Number of products with errors:

#### 5.7 L1B FDM Measurement Confidence Data Check

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

Product	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20180928T012733_20180928T013504_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_20180928T030018_20180928T030743_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_20180928T080331_20180928T080430_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_20180928T132020_20180928T133257_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_20180928T143735_20180928T144612_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_20180928T155542_20180928T160138_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20180928T191623_20180928T191650_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20180928T192032_20180928T192046_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_20180928T224035_20180928T224047_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:

### 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:

### 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.

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220180927T235025_20180928T000153_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_220180928T000357_20180928T001828_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_220180928T003539_20180928T004715_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_220180928T005224_20180928T010527_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_220180928T010643_20180928T010850_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_220180928T014319_20180928T015706_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220180928T021328_20180928T023854_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_220180928T031252_20180928T033556_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_220180928T040839_20180928T041953_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_220180928T045106_20180928T051531_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_220180928T054752_20180928T060547_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_220180928T061702_20180928T062151_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_220180928T065053_20180928T065215_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_220180928T071159_20180928T074642_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_220180928T085028_20180928T092615_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220180928T094826_20180928T101106_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_220180928T103021_20180928T104421_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_220180928T104429_20180928T104655_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_220180928T105137_20180928T110554_C001	Sea State Bias Correction, Mean Sea Surface height, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed, the Sea State Bias Correction and the Mean Sea Surface Height for one or more records
CS_OFFL_SIR_FDM_220180928T111835_20180928T113556_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220180928T113753_20180928T115207_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_220180928T120928_20180928T122401_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_220180928T122602_20180928T123525_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_220180928T125757_20180928T131453_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_220180928T143735_20180928T144612_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_220180928T144650_20180928T151240_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_220180928T152924_20180928T155217_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_220180928T162520_20180928T163534_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_220180928T170757_20180928T173404_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_220180928T173849_20180928T174544_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_220180928T175749_20180928T182937_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_220180928T192133_20180928T192141_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_220180928T193643_20180928T194546_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_220180928T210139_20180928T210223_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_220180928T211331_20180928T214831_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_220180928T220743_20180928T223928_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_220180928T225200_20180928T230623_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_220180928T231104_20180928T231219_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220180928T231221_20180928T232753_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records

### 6.5 L2 FDM Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220180928T012733_20180928T013504_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220180928T030018_20180928T030743_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220180928T080331_20180928T080430_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220180928T132020_20180928T133257_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220180928T143735_20180928T144612_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220180928T155542_20180928T160138_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220180928T191623_20180928T191650_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220180928T192032_20180928T192046_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220180928T224035_20180928T224047_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:

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Product	Test Failed	Description
CS_OFFL_SIR_FDM_2_20180927T235025_20180928T000153_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_20180928T000357_20180928T001828_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_20180928T003539_20180928T004715_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_20180928T005224_20180928T010527_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_20180928T010643_20180928T010850_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_20180928T021328_20180928T023854_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_20180928T031252_20180928T033556_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_20180928T040839_20180928T041953_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_20180928T045106_20180928T051531_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_20180928T061702_20180928T062151_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_20180928T071159_20180928T074642_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_20180928T094826_20180928T101106_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_20180928T103021_20180928T104421_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_20180928T104429_20180928T104655_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_20180928T105137_20180928T110554_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_20180928T113753_20180928T115207_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_20180928T120928_20180928T122401_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_20180928T122602_20180928T123525_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_20180928T125757_20180928T131453_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_20180928T143735_20180928T144612_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_20180928T144650_20180928T151240_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_20180928T152924_20180928T155217_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_220180928T170757_20180928T173404_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_20180928T173849_20180928T174544_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_220180928T175749_20180928T182937_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_220180928T193643_20180928T194546_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_220180928T211331_20180928T214831_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_220180928T225200_20180928T230623_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_220180928T231221_20180928T232753_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.

Product	Test Failed	Description
00.0551.010.5014.0.004000000000000000000	CFI Backscatter Status Flag, SWH	The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220180927T235025_20180928T000153_C001	Squared Averaging Status Flag	indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
	CFI Backscatter Status Flag, SWH	The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220180928T000357_20180928T001828_C001	Squared Averaging Status Flag	indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
	OFI Parks and a Otatus Flag OWILL	The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220180928T003539_20180928T004715_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	indicating the values stored in fields #41, #42, #43 and #44 should be
		ignored for these records.  The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220180928T005224_20180928T010527_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	indicating the values stored in fields #41, #42, #43 and #44 should be
	Squared Averaging Status Flag	ignored for these records.
CS_OFFL_SIR_FDM_220180928T010643_20180928T010850_C001	CFI Backscatter Status Flag, SWH	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be
	Squared Averaging Status Flag	ignored for these records.
CS OFFL SIR FDM 2 20180928T021328 20180928T023854 C001	CFI Backscatter Status Flag, SWH	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be
00_011 E_011(_1 DM_2201003201021320_201003201023034_0001	Squared Averaging Status Flag	ignored for these records.
00 OFFI OID FDM 0 00400000T0040F0 0040000T000FF0 0004	CFI Backscatter Status Flag, SWH	The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220180928T031252_20180928T033556_C001	Squared Averaging Status Flag	indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
	CFI Backscatter Status Flag, SWH	The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220180928T040839_20180928T041953_C001	Squared Averaging Status Flag	indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
	CEL Booksoottos Chattas Elas OM	The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220180928T045106_20180928T051531_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	indicating the values stored in fields #41, #42, #43 and #44 should be
		ignored for these records.  The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220180928T061702_20180928T062151_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	indicating the values stored in fields #41, #42, #43 and #44 should be
	Squared Averaging Status Flag	ignored for these records.
CS_OFFL_SIR_FDM_220180928T071159_20180928T074642_C001	CFI Backscatter Status Flag, SWH	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be
	Squared Averaging Status Flag	ignored for these records.
CS_OFFL_SIR_FDM_220180928T094826_20180928T101106_C001	CFI Backscatter Status Flag, SWH	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be
C3_011 E_3  \(\frac{1}{2}\)	Squared Averaging Status Flag	ignored for these records.
00 0551 015 5514 0 0040000540004 00400005404404 0004	CFI Backscatter Status Flag, SWH	The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220180928T103021_20180928T104421_C001	Squared Averaging Status Flag	indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
	CFI Backscatter Status Flag, SWH	The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220180928T104429_20180928T104655_C001	Squared Averaging Status Flag	indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
	CFI Backscatter Status Flag, SWH	The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220180928T105137_20180928T110554_C001	Squared Averaging Status Flag	indicating the values stored in fields #41, #42, #43 and #44 should be
	0515 1 11 01 1 51 01111	ignored for these records.  The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220180928T113753_20180928T115207_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	indicating the values stored in fields #41, #42, #43 and #44 should be
		ignored for these records.  The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220180928T120928_20180928T122401_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	indicating the values stored in fields #41, #42, #43 and #44 should be
	Squared Attornaying Oracus Frag	ignored for these records.  The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220180928T122602_20180928T123525_C001	CFI Backscatter Status Flag, SWH	indicating the values stored in fields #41, #42, #43 and #44 should be
	Squared Averaging Status Flag	ignored for these records.
CS_OFFL_SIR_FDM_220180928T125757_20180928T131453_C001	CFI Backscatter Status Flag, SWH	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be
	Squared Averaging Status Flag	ignored for these records.
CS OFFL SIR FDM 2 20180928T143735 20180928T144612 C001	CFI Backscatter Status Flag, SWH	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be
	Squared Averaging Status Flag	ignored for these records.
CS OFFI SID FDM 2 20190029T1446F0 20100020T4F1240 C004	CFI Backscatter Status Flag, SWH	The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220180928T144650_20180928T151240_C001	Squared Averaging Status Flag	indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
	CFI Backscatter Status Flag, SWH	The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220180928T152924_20180928T155217_C001	Squared Averaging Status Flag	indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
	CFI Backscatter Status Flag, SWH	The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220180928T170757_20180928T173404_C001	Squared Averaging Status Flag	indicating the values stored in fields #41, #42, #43 and #44 should be
		ignored for these records.  The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220180928T173849_20180928T174544_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	indicating the values stored in fields #41, #42, #43 and #44 should be
		ignored for these records.  The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220180928T175749_20180928T182937_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	indicating the values stored in fields #41, #42, #43 and #44 should be
	Oqualeu Averayılıy Status Flay	ignored for these records.
CS_OFFL_SIR_FDM_220180928T193643_20180928T194546_C001	CFI Backscatter Status Flag, SWH	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be
<del>_</del>	Squared Averaging Status Flag	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.

Significancyservices   County   Final	Product Products with errors. 41	Test Failed	Description
CQ.OFF., SRIFUM 2_2018062070559_0018028707157_001  CQ.OFF., SRIFUM 2_2018062070559_0018028707157_001  CQ.OFF., SRIFUM 3_2018062070559_0018028707157_001  CQ.OFF., SRIFUM 3_2018062070559_0018028707157_001  CQ.OFF., SRIFUM 3_2018062070559_0018028707157_001  CQ.OFF., SRIFUM 3_2018062070559_00180287071557_0018028707157_0018028707157_0018028707157_0018028707157_0018028707157_0018028707157_0018028707157_0018028707157_0018028707157_0018028707155			The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFT_SR_FOW01000287103589_0101026710759.  CS_OFT_SR_FOW01000287103589_0101026710359.  CS_OFT_SR_FOW01000287103589_0101026710359.  CS_OFT_SR_FOW01000287103589_0101026710359.  CS_OFT_SR_FOW01000287103589_0101026710359.  CS_OFT_SR_FOW01000287103589_0101026710359.  CS_OFT_SR_FOW01000287103599_0101026710359.  CS_OFT_SR_FOW01000287103599_01010267103595.  CS_OFT_SR_FOW01000287103599_01010267103599.  CS_OFT_SR_FOW01000287103599_01010267103599.  CS_OFT_SR_FOW01000287103599_01010267103599.  CS_OFT_SR_FOW01000287103599_01010267103599.  CS_OFT_SR_FOW01000287103599_01010267103599.  CS_OFT_SR_FOW01000287103599_0	CS OFFL SIR FDM 2 20180928T000357 20180928T001828 C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
Conff. Sills Form Z. 201900281100401 201900281100400 Cocon Retreaching Quality Flag  Cocon Ret			· · · · · · · · · · · · · · · · · · ·
Co.DFFL.SR.FDM.2_01880287102852.01880287102852.01890287102855.001  Co.DFFL.SR.FDM.2_01880287102152.01880287102855.001  Co.DFFL.SR.FDM.2_0188028710252.01880287102550.001  Co.DFFL.SR.FDM.2_0188028710252.01880287102550.001  Co.DFFL.SR.FDM.2_0188028710252.01880287102500.001  Co.DFFL.SR.FDM.2_0188028710252.01880287102500.001  Co.DFFL.SR.FDM.2_0188028710252.01880287102550.001  Co.DFFL.SR.FDM.2_0188028710252.01880287102550.001  Co.DFFL.SR.FDM.2_0188028710252.01880287102550.001  Co.DFFL.SR.FDM.2_0188028710252.01890287102550.001  Co.DFFL.SR.FDM.2_0188028710252.01890287102550.001  Co.DFFL.SR.FDM.2_0188028710252.01890287102550.001  Co.DFFL.SR.FDM.2_0188028710252.01890287102550.001  Co.DFFL.SR.FDM.2_0188028710252.01890287102550.001  Co.DFFL.SR.FDM.2_0188028710252.01890287102550.001  Co.DFFL.SR.FDM.2_0188028710252.01890287102550.001  Co.DFFL.SR.FDM.2_0188028710252.01890287102550.001  Co.DFFL.SR.FDM.2_0188028710252.01990287102550.001  Co.DFFL.SR.FDM.2_0188028710250.001  Co.DFFL.SR.FDM.2_0188028710250.001  Co.DFFL.SR.FDM.2_0188028710250.001  Co.DFFL.SR.FDM.2_0188028710250.001  Co.DFFL.SR.FDM.2_0188028710250.001  Co.DFFL.SR.FDM.2_0188028710250.001  Co.DFFL.SR.FDM.2_0188028710250.001  Co.DFFL.SR.FDM.2_0188028710250.001  Co.DFFL.SR.FDM.2_0188028710250.001  Co.DFFL.SR.FDM.2_01880287110250.001  Co.DFFL.SR.FDM.2_01880287110250.001  Co.DFFL.SR.FDM.2_01880287110250.001  Co.DFFL.SR.FDM.2_01880287110250.001  Co.DFFL.SR.FDM.2_01880287110250.001  Co.DFFL.SR.FDM.2_01880287110250.001  Co.D			•
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Segment researching Quality Flag The Cosen Retreacting Quality Flag The Cosen Retreact	CS_OFFL_SIR_FDM_220180928T010643_20180928T010850_C001	Ocean Retracking Quality Flag	
Soeth F. Evidence van out excessed by executed for one or new records.  G. OFFL, SIR, FDM 2_0180028704082 2018028710463, CO01  Cean Retracking Quality Flag  The Ocean Retracking Quality Flag	CS_OFFL_SIR_FDM_220180928T021328_20180928T023854_C001	Ocean Retracking Quality Flag	
SOFT_LIST_PIM_2_0180028710361_028050000000000000000000000000000000000	CS_OFFL_SIR_FDM_220180928T031252_20180928T033556_C001	Ocean Retracking Quality Flag	
Co.PFL_SR_FDM_2_01890287109409_019002871094041 COOl  Collaboration of the collaboration of th	CS_OFFL_SIR_FDM_220180928T035214_20180928T040520_C001	Ocean Retracking Quality Flag	
Cog. OFFL_SIR_FDM_2_201690287109109_2016902871091000 Cog. OFFL_SIR_FDM_2_2016902871091000 Cog. OFFL_SIR_FDM_2_20169028710910000 Cog. OFFL_SIR_FDM_2_201690287110000 Cog. OFFL_SIR_FDM_2_2016902871100000 Cog. OFFL_SIR_FDM_2_2016902871100000 Cog. OFFL_SIR_FDM_2_2016902871100000 Cog. OFFL_SIR_FDM_2_2016902871130000 Cog. OFFL_SIR_FDM_2_2016902871130000 Cog. OFFL_SIR_FDM_2_20169028711300000 Cog. OFFL_SIR_FDM_2_2016902871130000 Cog. OFFL_SIR_FDM_2_20169028711300000 Cog. OFFL_SIR_FDM_2_20169028711300000 Cog. OFFL_SIR_FDM_2_20169028711300000 Cog. OFFL_SIR_FDM_2_20169028711300000000000000000000000000000000000	CS_OFFL_SIR_FDM_220180928T040839_20180928T041953_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_201808287104519_201808287105152_O01  Ocean Retracking Quality Flag Retroker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retroker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retroker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retroker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retroker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retroker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retroker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retroker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retroker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retroker was not successfully executed for one or more records. The Ocean Retrokering Quality Flag as el microking the CFI Ocean Retrokering Quality Flag Retroker was not successfully executed for one or more records. The Ocean Retrokering Quality Flag Retroker was not successfully executed for one or more records. The Ocean Retrokering Quality Flag is set indicating the CFI Ocean Retrokering Quality Flag Retroker was not successfully executed for one or more records. The Ocean Retrokering Quality Flag Retroker was not successfully executed for one or more records. The Ocean Retrokering Quality Flag Retroker was not successfully for one or more records. The Ocean Retrokering Quality Flag is est indicating the CFI Ocean Retrokering Quality Flag Retroker was not successfully executed for one or more records. The Ocean Retrokering Quality Flag Retrokers was not successfully executed for one or more records. The Ocean Retrokering Quality Flag is est indicating the CFI Ocean Retrokering Quality Flag is est indicating the CFI Ocean Retrokering Quality Flag is est indic	CS_OFFL_SIR_FDM_220180928T043841_20180928T044641_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_2016902871072_20169028710515_C001  CS_OFFL_SIR_FDM_2_20169028707159_201690287074642_C001  CS_OFFL_SIR_FDM_2_20169028707159_201690287074642_C001  CS_OFFL_SIR_FDM_2_20169028707159_201690287074642_C001  CS_OFFL_SIR_FDM_2_20169028707159_201690287072665_C001  CS_OFFL_SIR_FDM_2_20169028707159_201690287101056_C001  CS_OFFL_SIR_FDM_2_20169028707159_201690287101056_C001  CS_OFFL_SIR_FDM_2_201690287101056_C001  CS_OFFL_SIR_FDM_2_201690287101056_C001  CS_OFFL_SIR_FDM_2_201690287101056_C001  CS_OFFL_SIR_FDM_2_201690287101056_C001  CS_OFFL_SIR_FDM_2_201690287101056_C001  CS_OFFL_SIR_FDM_2_201690287101056_C001  CS_OFFL_SIR_FDM_2_201690287101056_C001  CS_OFFL_SIR_FDM_2_201690287101056_C001  CS_OFFL_SIR_FDM_2_201690287101056_C001  CS_OFFL_SIR_FDM_2_201690287102056_C001  CS_OFFL_SIR_FDM_2_20169	CS_OFFL_SIR_FDM_220180928T045106_20180928T051531_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
Ose PFL_SIR_FDM_2_2018092871072_0180928109215_C001  Osean Retracking Quality Flag Retrackers and trust come records. The Ocean Retracking Quality Flag Retrackers and trust control of the Come Retracking Quality Flag Retrackers and trust control of the Come Retracking Quality Flag Retrackers and trust control of the Come Retracking Quality Flag Retrackers and trust control of the Come Retracking Quality Flag Retrackers and trust control of the Come Retracking Quality Flag Retrackers and trust control of the Come Retracking Quality Flag Retrackers and trust control of the Come Retracking Quality Flag Retrackers and trust control of the Come Retracking Quality Flag Retrackers and trust control of the Come Retracking Quality Flag Retrackers and trust control of the Come Retracking Quality Flag Retrackers and trust control of the Come Retracking Quality Flag Retrackers and trust control of the Come Retracking Quality Flag Retrackers and trust control of the Come Retracking Quality Flag Retrackers and trust control of the Come Retracking Quality Flag Retrackers and trust control of the Come Retracking Quality Flag Retrackers and trust control of the Come Retracking Quality Flag Retrackers and trust control of the Come Retracking Quality Flag Retrackers and trust control of the Come Retracking Quality Flag Retrackers and trust control of the Come Retracking Quality Flag Retrackers and trust control of the Come Retracking Quality Flag Retrackers and trust control of the Come Retracking Quality Flag Retrackers and trust control of the Come Retracking Quality Flag Retrackers and trust control of the Come Retracking Quality Flag Retrackers and trust control of the Come Retracking Quality Flag Retrackers and trust control of the Come Retracking Quality Flag Retrackers and trust control of the Come Retracking Quality Flag Retrackers and trust control of the Come Retracking Quality Flag Retrackers and trust control of the Come Retracking Quality Flag Retrackers and trust control for non or none records. The Come Retracking Q	CS_OFFL_SIR_FDM_220180928T054752_20180928T060547_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_2_2018002810190282 201800281020615, CO01	CS_OFFL_SIR_FDM_220180928T061702_20180928T062151_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_2_20180928T09028Z0190928T101106_C001	CS OFFL SIR FDM 2 20180928T071159 20180928T074642 C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_2_20180928T104826_20180928T104021_CO01  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is sed indicating the CFI Ocean Retracking Quality Flag is sed indicating the CFI Ocean Retracking Quality Flag is sed indicating the CFI Ocean Retracking Quality Flag is sed indicating the CFI Ocean Retracking Quality Flag is sed indicating the CFI Ocean Retracking Quality Flag is sed indicating the CFI Ocean Retracking Quality Flag is sed indicating the CFI Ocean Retracking Quality Flag is sed indicating the CFI Ocean Retracking Quality Flag is set indicating the			The Ocean Retracking Quality Flag is set indicating the CFI Ocean
Osean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20180928T103021_20180928T10425_C001  Osean Retracking Quality Flag  The Obser Retracking Quality Flag  The			The Ocean Retracking Quality Flag is set indicating the CFI Ocean
OS OFFL_SIR_FDM_2_20180928T10482_20180928T12401_C001  Ocean Retracking Quality Flag The Ocean Retracking Qua			The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_2_20180928T1090928T109554_C001  CS_OFFL_SIR_FDM_2_20180928T109537_20180928T1109554_C001  CS_OFFL_SIR_FDM_2_20180928T113953_20180928T115207_C001  CS_OFFL_SIR_FDM_2_20180928T1290828_D0180928T12907_C001  CS_OFFL_SIR_FDM_2_20180928T1290828_D0180928T12907_C001  CS_OFFL_SIR_FDM_2_20180928T1290828_D0180928T12907_C001  CS_OFFL_SIR_FDM_2_20180928T1290828_D0180928T1290828T109088T190828T109088T190828T109088T190828T109088T190828T109088T190828T109088T190818			•
CS_OFF_SIR_FDM_2_2018002811105137_201809281110507_C001  Ocean Retracking Quality Flag  The Cerace Retracking successfully executed for one or more records.  The Cerace Retracking Quality Flag  The Cerace Retracking Successfully executed for one or more records.  The Cerace Retracking Quality Flag  The Cerace Retracki		Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM20180928T120928_20180928T13453_C001  CS_OFFL_SIR_FDM20180928T12200_20180928T13453_C001  CS_OFFL_SIR_FDM20180928T12805_20180928T13453_C001  CS_OFFL_SIR_FDM20180928T13205_20180928T13453_C001  CS_OFFL_SIR_FDM20180928T13205_20180928T13453_C001  CS_OFFL_SIR_FDM20180928T13205_20180928T13453_C001  CS_OFFL_SIR_FDM20180928T13408_20180928T13454_C001  CS_OFFL_SIR_FDM20180928T134081_20180928T144010_C001  CS_OFFL_SIR_FDM20180928T134081_20180928T144010_C001  CS_OFFL_SIR_FDM20180928T13453_C0180928T144610_C001  CS_OFFL_SIR_FDM20180928T134685_20180928T144610_C001  CS_OFFL_SIR_FDM20180928T134685_20180928T15400_C001  CS_OFFL_SIR_FDM20180928T134650_20180928T154040_C001  CS_OFFL_SIR_FDM20180928T134650_20180928T154040_C001  CS_OFFL_SIR_FDM20180928T134650_20180928T154040_C001  CS_OFFL_SIR_FDM20180928T134650_20180928T154040_C001  CS_OFFL_SIR_FDM20180928T134650_20180928T150504_C001  CS_OFFL_SIR_FDM20180928T134050_20180928T150504_C001  CS_OFFL_SIR_FDM20180928T160506_C001  CS_OFFL_SIR_FDM20180928T160508_C001  CS_OFFL_SIR_FDM20180928T17057_20180928T173404_C001  CCS_OFFL_SIR_FDM20180928T173649_20180928T173640_C001  CCS_OFFL_SIR_FDM20180928T173649_20180928T173640_C001  CCS_OFFL_SIR_FDM20180928T173649_20180928T173640_C001  CCS_OFFL_SIR_FDM20180928T173649_20180928T173640_C001  CCS_OFFL_SIR_FDM20180928T173649_20180928T173640_C001  CCCS_OFFL_SIR_FDM20180928T173649_20180928T173640_C001  CCCS_OFFL_SIR_FDM20180928T173649_20180928T173640_C001  CCCCS_OFFL_SIR_FDM20180928T173649_20180928T173640_C001  CCCCCS_OFFL_SIR_FDM20180928T173640_C001  CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	CS_OFFL_SIR_FDM_220180928T105137_20180928T110554_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_2_20180928T122602_20180928T13455_CO01  Ocean Retracking Quality Flag The Coean Retracking Quality Flag is est indicating the CFI Ocean Retracking Quality Flag is est indicating the C	CS_OFFL_SIR_FDM_220180928T113753_20180928T115207_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_2_20180928T125757_20180928T13453_COULD Coean 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 indicat	CS_OFFL_SIR_FDM_220180928T120928_20180928T122401_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20180928T139202_20180928T134004_C001  Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Englis set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Englis set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Englis set indicating the CFI Ocean Retracking Coulity Englis set indicating the CFI Ocean Retracking Quality Englis Set	CS_OFFL_SIR_FDM_220180928T122602_20180928T123525_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20180928T140814_20180928T140404_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the	CS_OFFL_SIR_FDM_220180928T125757_20180928T131453_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20180928T140814_20180928T144124T_CO01  Ocean Retracking Quality Flag is est indicating the CFI Ocean Retracking Quality Flag	CS_OFFL_SIR_FDM_220180928T132020_20180928T133257_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20180928T1436735_20180928T144612_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 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 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 s	CS_OFFL_SIR_FDM_220180928T134908_20180928T140404_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20180928T143735_20180928T151240_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 Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is part of the Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is part of the Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is part of the Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is part of the Ocean Retracking Quality Flag is part indicating the CFI Ocean Retracking Quality Flag is part indicating the CFI Ocean Retracking Quality Flag is part indicating the CFI Ocean Retracking Quality Flag is part indicating	CS_OFFL_SIR_FDM_220180928T140814_20180928T141241_C001	Ocean Retracking Quality Flag	
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CS_OFFL_SIR_FDM_2_20180928T193643_20180928T194546_C001  CS_OFFL_SIR_FDM_2_20180928T194546_C001  CS_OFFL_SIR_FDM_2_20180928T194546_C001  CS_OFFL_SIR_FDM_2_20180928T194830_20180928T200947_C001  CS_OFFL_SIR_FDM_2_20180928T21331_20180928T200947_C001  CS_OFFL_SIR_FDM_2_20180928T21331_20180928T214831_C001  CS_OFFL_SIR_FDM_2_20180928T21331_20180928T214831_C001  CS_OFFL_SIR_FDM_2_20180928T21331_20180928T214831_C001  CS_OFFL_SIR_FDM_2_20180928T25200_20180928T230623_C001  CS_OFFL_SIR_FDM_2_20180928T231104_20180928T231219_C001  CS_OFFL_SIR_FDM_2_20180928T231210_20180928T231219_C001  CS_OFFL_SIR_FDM_2_20180928T231221_20180928T231219_C001  CS_OFFL_SIR_FDM_2_20180928T231221_20180928T231219_C001  CS_OFFL_SIR_FDM_2_20180928T231221_20180928T23753_C001  CS_OFFL_SIR_FDM_2_20180928T231221_20180928T23753_C001  CS_OFFL_SIR_FDM_2_20180928T231221_20180928T23753_C001  CS_OFFL_SIR_FDM_2_20180928T231221_20180928T23753_C001  CS_OFFL_SIR_FDM_2_20180928T2312556_20180928T235920_C001  CS_OFFL_SIR_FDM_2_20180928T2312556_20180928T235920_C001  CS_OFFL_SIR_FDM_2_20180928T2312556_20180928T23753_C001  CS_OFFL_SIR_FDM_2_20180928T231256_00180928T23753_C001  CS_OFFL_SIR_FDM_2_20180928T231256_00180928T23753_C001  CS_OFFL_SIR_FDM_2_20180928T231250_00180928T23753_C001  CS_OFFL_SIR_FDM_2_20180928T231251_20180928T23753_C001  CS_OFFL_SIR_FDM_2_20180928T231251_20180928T23753_C001  CS_OFFL_SIR_FDM_2_20180928T231250_C001  CS_OFFL_SI	CS_OFFL_SIR_FDM_220180928T173849_20180928T174544_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_2_20180928T193643_20180928T200947_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  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 o			The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_2_20180928T194830_20180928T200947_C001  CS_OFFL_SIR_FDM_2_20180928T211331_20180928T214831_C001  CS_OFFL_SIR_FDM_2_20180928T211331_20180928T214831_C001  CS_OFFL_SIR_FDM_2_20180928T225200_20180928T230623_C001  CS_OFFL_SIR_FDM_2_20180928T231104_20180928T231219_C001  CS_OFFL_SIR_FDM_2_20180928T231104_20180928T231219_C001  CS_OFFL_SIR_FDM_2_20180928T231212_20180928T231219_C001  CS_OFFL_SIR_FDM_2_20180928T231221_20180928T231219_C001  CS_OFFL_SIR_FDM_2_20180928T231221_20180928T231219_C001  CS_OFFL_SIR_FDM_2_20180928T231221_20180928T231219_C001  CS_OFFL_SIR_FDM_2_20180928T231221_20180928T231219_C001  CS_OFFL_SIR_FDM_2_20180928T231221_20180928T231219_C001  CS_OFFL_SIR_FDM_2_20180928T231221_20180928T231219_C001  CS_OFFL_SIR_FDM_2_20180928T231221_20180928T231219_C001  CS_OFFL_SIR_FDM_2_20180928T231221_20180928T232753_C001  CS_OFFL_SIR_FDM_2_20180928T231221_20180928T233920_C001  CS_OFFL_SIR_FDM_2_20180928T231221_20180928T233920_C001  CS_OFFL_SIR_FDM_2_20180928T233556_20180928T235920_C001  CS_OFFL_SIR_FDM_2_20180928T233556_20180928T235920_C001  CS_OFFL_SIR_FDM_2_20180928T233556_20180928T235920_C001  CS_OFFL_SIR_FDM_2_20180928T2312590_C001  CS_OFFL_SIR_FDM_2_20180928T2312556_20180928T235920_C001  CS_OFFL_SIR_FDM_2_20180928T231251_20180928T235920_C001  CS_OFFL_SIR_FDM_2_20180928T231251_20180928T235920_C001  CS_OFFL_SIR_FDM_2_20180928T231251_20180928T235920_C001  CS_OFFL_SIR_FDM_2_20180928T231251_20180928T235920_C001  CS_OFFL_SIR_FDM_2_20180928T231251_20180928T235920_C001  CS_OFFL_SIR_FDM_2_20180928T2312556_20180928T235920_C001  CS_OFFL_SIR_FDM_2_20180928T2312556_20180928T235920_C001  CS_OFFL_SIR_FDM_2_20180928T2312556_20180928T235920_C001  CS_OFFL_SIR_FDM_2_20180928T2312556_20180928T235920_C001  CS_OFFL_SIR_FDM_2_20180928T2312556_20180928T235920_C001  CS_OFFL_SIR_FDM_2_20180928T23556_20180928T235920_C001  CS_OFFL_SIR_FDM_2_20180928T23556_20180928T235920_C001  CS_OFFL_SIR_FDM_2_20180928T23556_20180928T23556_20180928T23556_20180928T23556_20180928T23556_20180928T23556_20180928T23556_20180928T23556_20180928T23556_			The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_2_20180928T211331_20180928T214831_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20180928T231104_20180928T231219_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_20180928T231221_20180928T232753_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.		2	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_2_20180928T231201_20180928T230623_C001  CS_OFFL_SIR_FDM_2_20180928T225200_20180928T230623_C001  CS_OFFL_SIR_FDM_2_20180928T231104_20180928T231219_C001  CS_OFFL_SIR_FDM_2_20180928T231212_20180928T231219_C001  CS_OFFL_SIR_FDM_2_20180928T231221_20180928T231219_C001  CS_OFFL_SIR_FDM_2_20180928T231221_20180928T232753_C001  CS_OFFL_SIR_FDM_2_20180928T231219_C00180928T231201_C001  CS_OFFL_SIR_FDM_2_20180928T231201_C0018092			•
CS_OFFL_SIR_FDM_2_20180928T23121_20180928T231219_C001  CS_OFFL_SIR_FDM_2_20180928T231104_20180928T231219_C001  CS_OFFL_SIR_FDM_2_20180928T231221_20180928T231219_C001  CS_OFFL_SIR_FDM_2_20180928T231221_20180928T232753_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20180928T231221_20180928T232753_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean R			Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_2_20180928T231221_20180928T232753_C001  CS_OFFL_SIR_FDM_2_20180928T231221_20180928T232753_C001  CS_OFFL_SIR_FDM_2_20180928T231221_20180928T232753_C001  CS_OFFL_SIR_FDM_2_20180928T231221_20180928T232753_C001  Ocean Retracking Quality Flag  The 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			Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_2_201809281231221_201809281232753_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_220180928T231221_20180928T232753_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
	CS_OFFL_SIR_FDM_220180928T234556_20180928T235920_C001	Ocean Retracking Quality Flag	

# 7. QCC Report Analysis

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

Product type	Nb. Products	Nb. QCC Reports	Nb. Valid	Nb. Warnings	Nb. Errors
SIR_FDM_1B	141	141	141	0	0
SIR FDM 2	140	140	140	0	0

7.1	O	CC	Erre	ors

Number of QCC reports with errors:

0

# 7.2 QCC Warnings

Number of QCC reports with warnings

# 7.3 Missing QCC Reports

Number of products with missing QCC reports:

0

0