



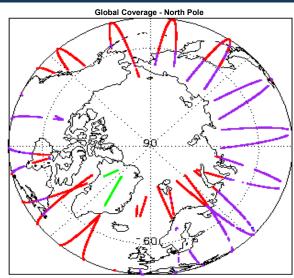
### 1. Overview

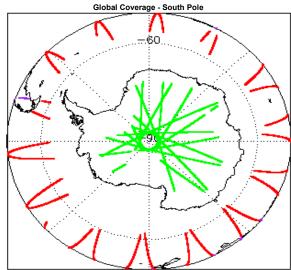
Report Production Date:	20-Sep-2017	
Processor Used:	CryoSat Ice Processor	
Data Used:	L1 and L2 Fast Delivery Marine (FDM)	

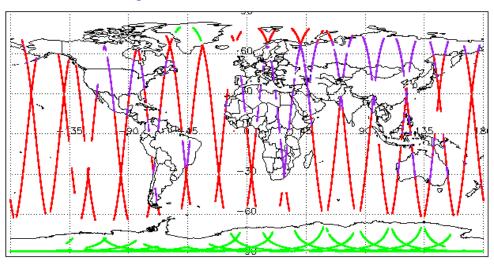
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check	Nominal
Auxiliary Data File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

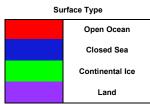
Mission / Instrument News		
18-Sep-201	7 None	
19-Sep-201	7 None	
20-Sep-201	7 Nothing planned	

# 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 & 2

### 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).

Number of products with errors:

0

#### 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.

Product	Test Failed
CS_OPER_SIR1SAR_020170919T184307_20170919T184339_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020170919T010945_20170919T011259_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020170919T134702_20170919T135454_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020170919T003055_20170919T003827_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020170919T215918_20170919T220258_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_0_20170919T221854_20170919T222306_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020170919T030540_20170919T030852_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_0_20170919T193010_20170919T193157_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020170919T185937_20170919T190301_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020170919T085352_20170919T085946_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: 1

Product	Test Failed
CS_OFFL_SIR_FDM_1B_20170919T133739_20170919T133901_C001	No Star Tracker file used in the processing of this product

#### 5.4 L1B FDM Calibration Usage Check

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

Number of products with errors:

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

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

Number of products with errors:

### 5.6 L1B FDM Auxiliary Correction Error Check

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

Number of products with errors:

### 5.7 L1B FDM Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20170919T010513_20170919T010945_C001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_FDM_1B_20170919T115745_20170919T120019_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_20170919T133739_20170919T133901_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.

Number of products with errors:

34

Product	Test Failed	Description
CS OFFL SIR FDM 2 20170919T003910 20170919T004629 C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
00_011E_011C1 DM_2201703131003310_201703131004023_0001	Wind Speed	Correction for one or more records

CS_OFFL_SIR_FDM_2_20170919T005202_20170919T005944_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_220170919T011300_20170919T011540_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_220170919T013418_20170919T020858_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_220170919T023912_20170919T025500_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_220170919T031240_20170919T034802_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220170919T041015_20170919T041439_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_220170919T045221_20170919T050903_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_220170919T051343_20170919T052605_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_220170919T063127_20170919T064611_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_220170919T064812_20170919T065734_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_220170919T071815_20170919T073637_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_220170919T085946_20170919T093446_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_220170919T095124_20170919T101426_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_220170919T102459_20170919T102723_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_220170919T102745_20170919T102802_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220170919T104708_20170919T105738_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_220170919T113010_20170919T115734_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220170919T120052_20170919T120745_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_220170919T122014_20170919T125132_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_220170919T135859_20170919T143148_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_220170919T153535_20170919T161034_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_220170919T171404_20170919T172827_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_220170919T173309_20170919T173431_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_220170919T173435_20170919T175006_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_220170919T182341_20170919T184307_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_220170919T190301_20170919T191328_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_220170919T194533_20170919T194631_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_220170919T200437_20170919T200718_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_220170919T204729_20170919T210730_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_220170919T212352_20170919T215711_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_220170919T221032_20170919T221254_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_220170919T230248_20170919T231331_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_220170919T235037_20170919T235545_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records

### 6.5 L2 FDM Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220170919T010513_20170919T010945_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220170919T115745_20170919T120019_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220170919T133739_20170919T133901_C001	Attitude correction missing	The attitude has not been corrected

## 6.6 L2 FDM Range Measurement Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220170919T003910_20170919T004629_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_220170919T005202_20170919T005944_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_220170919T013418_20170919T020858_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_220170919T023912_20170919T025500_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_220170919T041015_20170919T041439_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_220170919T045221_20170919T050903_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 20170919T051343 20170919T052605 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.  The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220170919T063127_20170919T064611_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220170919T064812_20170919T065734_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_220170919T071815_20170919T073637_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_220170919T085946_20170919T093446_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_220170919T095124_20170919T101426_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_220170919T102459_20170919T102723_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_220170919T104708_20170919T105738_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_220170919T120052_20170919T120745_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_220170919T122014_20170919T125132_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_20170919T135859_20170919T143148_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_20170919T153535_20170919T161034_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_20170919T173309_20170919T173431_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_20170919T173435_20170919T175006_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_220170919T182341_20170919T184307_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_20170919T190301_20170919T191328_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_220170919T200437_20170919T200718_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_20170919T212352_20170919T215711_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_20170919T221032_20170919T221254_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_20170919T230248_20170919T231331_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_220170919T235037_20170919T235545_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.

# 6.7 L2 FDM SWH and Backscatter Measurement Check

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

Number of products with errors:

27

Product	Test Failed	Description
	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20170919T005202_20170919T005944_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20170919T023912_20170919T025500_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20170919T045221_20170919T050903_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20170919T071815_20170919T073637_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.

CS_OFFL_SIR_FDM_220170919T095124_20170919T101426_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_220170919T102459_20170919T102723_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_220170919T104708_20170919T105738_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_220170919T120052_20170919T120745_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_220170919T122014_20170919T125132_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_220170919T135859_20170919T143148_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_220170919T153535_20170919T161034_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_220170919T173309_20170919T173431_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_220170919T173435_20170919T175006_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_220170919T182341_20170919T184307_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_220170919T190301_20170919T191328_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_220170919T200437_20170919T200718_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_220170919T212352_20170919T215711_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_220170919T221032_20170919T221254_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_220170919T230248_20170919T231331_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_220170919T235037_20170919T235545_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_220170919T000959_20170919T002737_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_220170919T003910_20170919T004629_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_220170919T005202_20170919T005944_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_220170919T013418_20170919T020858_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_220170919T021849_20170919T022053_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_220170919T023912_20170919T025500_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_220170919T031240_20170919T034802_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_220170919T041015_20170919T041439_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_220170919T041532_20170919T043311_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_220170919T045221_20170919T050903_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_220170919T051343_20170919T052605_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_220170919T054020_20170919T055828_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_220170919T055958_20170919T061400_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_220170919T063127_20170919T064611_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_220170919T064812_20170919T065734_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_220170919T071815_20170919T073637_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_220170919T074400_20170919T074521_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_220170919T085946_20170919T093446_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_220170919T095124_20170919T101426_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_220170919T102459_20170919T102723_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_220170919T102745_20170919T102802_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_220170919T104708_20170919T105738_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_220170919T110316_20170919T111341_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_220170919T113010_20170919T115734_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.

Cean Retracking Quality Flag set indicating the CFI Ocean Retracking Quality Flag set			
CS_OFFL_SIR_FDM_2_20170919T13959_20170919T161034_C001  Ocean Retracking Quality Flag  Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag  Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag  Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag  Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag (See Flag) and 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 (See Flag) and the CFI Ocean Retracking Quality Flag (See Flag) and the CFI Ocean Retracking Quality Flag (See Flag) and the CFI Ocean Retracking Quality Flag (See Flag) and the CFI Ocean Retracking Quality Flag (See Flag) and the CFI Ocean Retracking Quality Flag (See Flag) and the CFI Ocean Retracking Quality Flag (See Flag) and the CFI Ocean Retracking Quality Flag (See Flag) and the CFI Ocean Retracking Quality Flag (See Flag) and the CFI Ocean Retracking Quality Flag (See Flag) and the CFI Ocean Retracking Quality Flag (See Flag) and the CFI Ocean Retracking Quality Flag (See Flag) and the CFI Ocean Retracking Quality Flag (See Flag) and the CFI Ocean Retracking Quality Flag (See Flag) and the CFI Ocean Retracking Quality Flag (See Flag) and the CFI Ocean Retracking Quality Flag) and the CFI Ocean Retracking Quality Flag (See Flag) and the CFI Ocean Retracking Quality Flag (See Flag) and the CFI Ocean Retracking Quality Flag) and the CFI Ocean Retracking Quality Flag (See Flag) and the CFI Ocean Retracking Quality Flag (See Flag) and the CFI Ocean Retracking Quality Flag (See Flag) and the CFI Ocean Retracking Quality Flag (See Flag) and the CFI Ocean Retracking Quality Flag (See Flag) and the CFI Ocean Retracking Quality Flag (See Flag) and the CFI Ocean Retracking Quality Flag (See Flag)	CS_OFFL_SIR_FDM_220170919T120052_20170919T120745_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20170919T159535_20170919T17010_C001  CS_OFFL_SIR_FDM_2_20170919T15535_20170919T17010_C001  CS_OFFL_SIR_FDM_2_20170919T165419_20170919T17010_C001  CS_OFFL_SIR_FDM_2_20170919T17010_C001  CS_OFFL_SIR_FDM_2_20170919T17010_C001  CS_OFFL_SIR_FDM_2_20170919T17010_C001  CS_OFFL_SIR_FDM_2_20170919T17010_C001  CS_OFFL_SIR_FDM_2_20170919T17010_C001  CS_OFFL_SIR_FDM_2_20170919T17309_20170919T173010_C001  CS_OFFL_SIR_FDM_2_20170919T17309_20170919T173010_C001  CS_OFFL_SIR_FDM_2_20170919T17309_20170919T173010_C001  CS_OFFL_SIR_FDM_2_20170919T180829_20170919T182127_C001  CS_OFFL_SIR_FDM_2_20170919T180829_20170919T182127_C001  CS_OFFL_SIR_FDM_2_20170919T180829_20170919T18230_C001  CS_OFFL_SIR_FDM_2_20170919T18030_C001  CS_OFFL_SIR_FDM_2_20170919T18030_C001  CS_OFFL_SIR_FDM_2_20170919T18030_C001  CS_OFFL_SIR_FDM_2_20170919T18030_C001  CS_OFFL_SIR_FDM_2_20170919T18030_C001  CS_OFFL_SIR_FDM_2_20170919T18030_C001  CS_OFFL_SIR_FDM_2_20170919T19030_C001  CS_OFFL_SIR_FDM_2_20170919T19030_C001  CS_OFFL_SIR_FDM_2_20170919T19030_C001  CS_OFFL_SIR_FDM_2_20170919T1908_00170919T191328_C001  CS_OFFL_SIR_FDM_2_20170919T1908_00170919T191328_C001  CS_OFFL_SIR_FDM_2_20170919T1908_00170919T191930_C001  CCCAN Retracking Quality Flag  CCCAN Retracking Quality Flag  CCCAN 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 m	CS_OFFL_SIR_FDM_220170919T122014_20170919T125132_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20170919T153535_20170919T161034_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag  Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag Set indicating the CFI	CS_OFFL_SIR_FDM_2_20170919T135859_20170919T143148_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20170919T171404_20170919T17282T_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_220170919T153535_20170919T161034_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20170919T17430_20170919T17425_CO1  Ocean Retracking Quality Flag  Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set 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 2 20170919T190301_20170919T191328_C001  Ocean Retracking Quality Flag  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag 2 20170919T190301_20170919T191328_C001  Ocean Retracking Quality Flag  Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag 2 20170919T191508_20170919T192847_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_20170919T200437_20170919T200718_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean 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	CS_OFFL_SIR_FDM_220170919T165419_20170919T170150_C001	Ocean Retracking Quality Flag	
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CS_OFFL_SIR_FDM_2_20170919T180829_20170919T18030_C001  Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean 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 Quality Flag Quality Flag Quality Flag Quality Flag Quality Flag Set indicating the CFI Ocean Retracking Quality Flag Set indicating the CFI Ocean Retracking Quality Flag Quality Flag Quality Flag Set indicating the CFI Ocean Retracking Quality Flag Quality Flag Set indicating the CFI Ocean Retracking Quality Flag Quality Flag Quality Flag Set indicating the CFI Ocean Retracking Quality Flag Set indicating the CFI Ocean Retracking Quality Flag Quality Flag Set indicating the CFI Ocean Retracking Quality Flag Set Indicatin	CS_OFFL_SIR_FDM_220170919T173309_20170919T173431_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20170919T180329_20170919T182341_20170919T18182341_20170919T184307_C001  CS_OFFL_SIR_FDM_2_20170919T190301_20170919T191328_C001  CS_OFFL_SIR_FDM_2_20170919T190301_20170919T191328_C001  CS_OFFL_SIR_FDM_2_20170919T191508_20170919T192847_C001  CS_OFFL_SIR_FDM_2_20170919T191508_20170919T192847_C001  CS_OFFL_SIR_FDM_2_20170919T195410_20170919T195730_C001  CS_OFFL_SIR_FDM_2_20170919T200437_20170919T200718_C001  CS_OFFL_SIR_FDM_2_20170919T200437_20170919T2001551_C001  CS_OFFL_SIR_FDM_2_20170919T200841_20170919T201551_C001  CS_OFFL_SIR_FDM_2_20170919T200841_20170919T201923_C001  CS_OFFL_SIR_FDM_2_20170919T207713_20170919T201703_C001  CS_OFFL_SIR_FDM_2_20170919T207713_20170919T201703_C001  CS_OFFL_SIR_FDM_2_20170919T207713_20170919T201703_C001  CS_OFFL_SIR_FDM_2_20170919T207713_20170919T201703_C001  CS_OFFL_SIR_FDM_2_20170919T207713_20170919T201703_C001  CS_OFFL_SIR_FDM_2_20170919T207729_20170919T210730_C001  CS_OFFL_SIR_FDM_2_20170919T204729_20170919T210730_C001  CS_OFFL_SIR_FDM_2_20170919T204729_20170919T210730_C001  CS_OFFL_SIR_FDM_2_20170919T203248_20170919T215711_C001  CS_OFFL_SIR_FDM_2_20170919T203248_20170919T215711_C001  CS_OFFL_SIR_FDM_2_20170919T200484_20170919T20730_C001  CS_OFFL_SIR_FDM_2_20170919T200482_20170919T215711_C001  CS_OFFL_SIR_FDM_2_20170919T200482_20170919T215711_C001  CS_OFFL_SIR_FDM_2_20170919T200482_20170919T215711_C001  CS_OFFL_SIR_FDM_2_20170919T200482_20170919T215711_C001  CS_OFFL_SIR_FDM_2_20170919T200482_20170919T215711_C001  CS_OFFL_SIR_FDM_2_20170919T200482_20170919T213031_C001  CS_OFFL_SIR_FDM_2_20170919T200482_20170919T213031_C001  CC_OCAN 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 Retra	CS_OFFL_SIR_FDM_220170919T173435_20170919T175006_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20170919T182341_20170919T19328_C001  Ocean Retracking Quality Flag  Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20170919T200437_20170919T200718_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_20170919T200841_20170919T201551_C001  Ocean Retracking Quality Flag  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20170919T201713_20170919T201923_C001  Ocean Retracking Quality Flag  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_20170919T204729_20170919T210730_C001  Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20170919T212352_20170919T215711_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20170919T221032_20170919T22154_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indic	CS_OFFL_SIR_FDM_220170919T180829_20170919T182127_C001	Ocean Retracking Quality Flag	
Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20170919T191508_20170919T192847_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_20170919T195410_20170919T195730_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_20170919T200437_20170919T200718_C001  Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20170919T200841_20170919T201551_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_20170919T200841_20170919T201551_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_20170919T204729_20170919T210730_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_20170919T221032_20170919T221254_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_20170919T230248_20170919T231331_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 F	CS_OFFL_SIR_FDM_220170919T182341_20170919T184307_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20170919T191308_20170919T200718_C001  CS_OFFL_SIR_FDM_2_20170919T200437_20170919T200718_C001  CS_OFFL_SIR_FDM_2_20170919T200437_20170919T200718_C001  CS_OFFL_SIR_FDM_2_20170919T200437_20170919T200718_C001  CS_OFFL_SIR_FDM_2_20170919T200441_20170919T201551_C001  CS_OFFL_SIR_FDM_2_20170919T200713_20170919T201923_C001  CS_OFFL_SIR_FDM_2_20170919T201713_20170919T201923_C001  CS_OFFL_SIR_FDM_2_20170919T2071713_20170919T201923_C001  CS_OFFL_SIR_FDM_2_20170919T20720729_20170919T201730_C001  CS_OFFL_SIR_FDM_2_20170919T204729_20170919T210730_C001  CS_OFFL_SIR_FDM_2_20170919T212352_20170919T215711_C001  CS_OFFL_SIR_FDM_2_20170919T212352_20170919T22154_C001  CS_OFFL_SIR_FDM_2_20170919T221032_20170919T22154_C001  CS_OFFL_SIR_FDM_2_20170919T2200448_20170919T22154_C001  CS_OFFL_SIR_FDM_2_20170919T230248_20170919T231331_C001  CS_OFFL_SIR_FDM_2_20170919T23	CS_OFFL_SIR_FDM_220170919T190301_20170919T191328_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20170919T200437_20170919T201551_C001  CS_OFFL_SIR_FDM_2_20170919T200447_20170919T201551_C001  CS_OFFL_SIR_FDM_2_20170919T200447_20170919T201923_C001  CS_OFFL_SIR_FDM_2_20170919T201713_20170919T201923_C001  CS_OFFL_SIR_FDM_2_20170919T204729_20170919T201923_C001  CS_OFFL_SIR_FDM_2_20170919T204729_20170919T210730_C001  CS_OFFL_SIR_FDM_2_20170919T204729_20170919T21713_C001  CS_OFFL_SIR_FDM_2_20170919T204729_20170919T21713_C001  CS_OFFL_SIR_FDM_2_20170919T204729_20170919T21711_C001  CS_OFFL_SIR_FDM_2_20170919T212352_20170919T215711_C001  CS_OFFL_SIR_FDM_2_20170919T212352_20170919T215711_C001  CS_OFFL_SIR_FDM_2_20170919T221032_20170919T221254_C001  CS_OFFL_SIR_FDM_2_20170919T230248_20170919T231331_C001  CS_OFFL_SIR_FDM_2_20170919T230248	CS_OFFL_SIR_FDM_220170919T191508_20170919T192847_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20170919T200437_20170919T201551_C001  CS_OFFL_SIR_FDM_2_20170919T201713_20170919T201923_C001  CS_OFFL_SIR_FDM_2_20170919T201713_20170919T201923_C001  CS_OFFL_SIR_FDM_2_20170919T204729_20170919T201730_C001  CS_OFFL_SIR_FDM_2_20170919T204729_20170919T210730_C001  CS_OFFL_SIR_FDM_2_20170919T212352_20170919T215711_C001  CS_OFFL_SIR_FDM_2_20170919T212352_20170919T215711_C001  CS_OFFL_SIR_FDM_2_20170919T212352_20170919T215711_C001  CS_OFFL_SIR_FDM_2_20170919T21032_20170919T215711_C001  CS_OFFL_SIR_FDM_2_20170919T221032_20170919T22154_C001  CS_OFFL_SIR_FDM_2_20170919T221032_20170919T22154_C001  CS_OFFL_SIR_FDM_2_20170919T230248_20170919T231331_C001  CS_OFFL_SIR_FDM_2_20170919T230248	CS_OFFL_SIR_FDM_220170919T195410_20170919T195730_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20170919T201923_C001  CS_OFFL_SIR_FDM_2_20170919T201713_20170919T201923_C001  CS_OFFL_SIR_FDM_2_20170919T204729_20170919T210730_C001  CS_OFFL_SIR_FDM_2_20170919T204729_20170919T210730_C001  CS_OFFL_SIR_FDM_2_20170919T212352_20170919T215711_C001  CS_OFFL_SIR_FDM_2_20170919T212352_20170919T215711_C001  CS_OFFL_SIR_FDM_2_20170919T21032_20170919T21254_C001  CS_OFFL_SIR_FDM_2_20170919T221032_20170919T221254_C001  CS_OFFL_SIR_FDM_2_20170919T221032_20170919T221331_C001  CS_OFFL_SIR_FDM_2_20170919T230248_20170919T231331_C001  CS_OFFL_SIR_FDM_2_20170919T230248_20170919T23133	CS_OFFL_SIR_FDM_220170919T200437_20170919T200718_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20170919T201703_C001  CS_OFFL_SIR_FDM_2_20170919T204729_20170919T210730_C001  CS_OFFL_SIR_FDM_2_20170919T212352_20170919T215711_C001  CS_OFFL_SIR_FDM_2_20170919T212352_20170919T215711_C001  CS_OFFL_SIR_FDM_2_20170919T221032_20170919T221254_C001  CS_OFFL_SIR_FDM_2_20170919T221032_20170919T221254_C001  CS_OFFL_SIR_FDM_2_20170919T22032_20170919T221254_C001  CS_OFFL_SIR_FDM_2_20170919T230248_20170919T231331_C001  CS_OFFL_SIR_FDM_3_20170919T230248_20170919T231331_C001  CS_OFFL_SIR_FDM_3_20170919T230248_20170919T230348_20170919T230348_20170919T230348_20170919T230348_20170919T230348_20170919T230348_20170919T230348_20170919T230348_20170919T230348_20170919T230348_20170919T230348_20170919T230348_20170919T230348_20170919T230348_20170919T230348_20170919T230348_20170919T230348_20170919T230348_20170	CS_OFFL_SIR_FDM_220170919T200841_20170919T201551_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20170919T204729_20170919T210730_C001  CS_OFFL_SIR_FDM_2_20170919T212352_20170919T215711_C001  CS_OFFL_SIR_FDM_2_20170919T221032_20170919T221254_C001  CS_OFFL_SIR_FDM_2_20170919T221032_20170919T221254_C001  CS_OFFL_SIR_FDM_2_20170919T230248_20170919T231331_C001  CS_OFFL_SIR_FDM_2_20170919T230248_20170919T231331_C001  Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20170919T230248_20170919T231331_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.	CS_OFFL_SIR_FDM_220170919T201713_20170919T201923_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_201709191212352_2017091912154_C001  CS_OFFL_SIR_FDM_2_20170919T221032_20170919T221254_C001  CS_OFFL_SIR_FDM_2_20170919T22032_20170919T221254_C001  CS_OFFL_SIR_FDM_2_20170919T230248_20170919T231331_C001  CS_OFFL_SIR_FDM_2_20170919T230248_20170919T231331_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 R	CS_OFFL_SIR_FDM_220170919T204729_20170919T210730_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_201709191221032_201709191221254_C001  Ocean Retracking Quality Flag  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 Retr	CS_OFFL_SIR_FDM_220170919T212352_20170919T215711_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_2017/09191230248_2017/09191231331_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	CS_OFFL_SIR_FDM_220170919T221032_20170919T221254_C001	Ocean Retracking Quality Flag	
	CS_OFFL_SIR_FDM_220170919T230248_20170919T231331_C001	Ocean Retracking Quality Flag	
	CS_OFFL_SIR_FDM_220170919T235037_20170919T235545_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
SIR1LRM_0_	141	141	141	0	0
SIR1SAR_0_	93	93	93	0	0
SIR1SIN_0_	101	101	101	0	0
SIR2SIN_0_	105	105	105	0	0
SIR_FDM_1B	143	143	143	0	0
SIR FDM 2	143	143	143	0	0

# 7.1 QCC Errors

Number of QCC reports with errors:

0

### 7.2 QCC Warnings

Number of QCC reports with warnings

0

### 7.3 Missing QCC Reports

Number of products with missing QCC reports:

0