



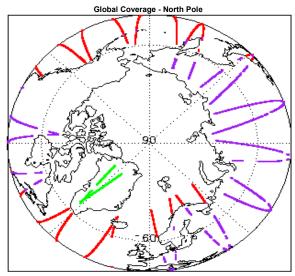
## 1. Overview

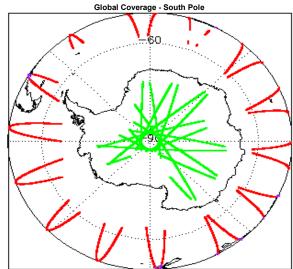
Report Production Date:	15-Dec-2017		
Processor Used:	CryoSat Ice Processor		
Data Used:	L1 and L2 Fast Delivery Marine (FDM)  Mode and L0 Data		

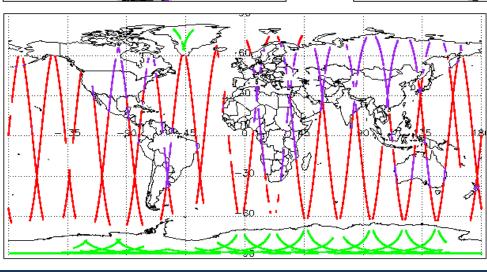
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check	Nominal
Auxiliary Data File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

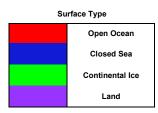
Mission / Instrument News		
13-Dec-2017	None	
14-Dec-2017	None	
15-Dec-2017	Nothing planned	

# 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).

#### 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.

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Number of products with errors:

Product	Test Failed
CS_OPER_SIR1SAR_020171214T115134_20171214T115630_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_0_20171214T070223_20171214T071024_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_0_20171214T084359_20171214T085148_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020171214T201559_20171214T202329_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020171214T034436_20171214T034547_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020171214T220348_20171214T220441_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020171214T145617_20171214T145752_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020171214T062140_20171214T062406_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020171214T071024_20171214T071851_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020171214T182730_20171214T183745_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020171214T222210_20171214T2222405_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020171214T085335_20171214T085452_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020171214T012029_20171214T012256_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020171214T151925_20171214T152136_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020171214T080218_20171214T080343_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020171214T120137_20171214T120327_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020171214T023846_20171214T023952_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020171214T035353_20171214T035622_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020171214T182730_20171214T183745_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: 0

#### 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: 3

Product	Test Failed
CS_OFFL_SIR_FDM_1B_20171214T065301_20171214T065822_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20171214T083444_20171214T083545_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20171214T115630_20171214T115648_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: 0

#### 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_20171214T065301_20171214T065822_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20171214T083444_20171214T083545_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20171214T115630_20171214T115648_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).

#### 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:

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Product	Test Failed	Description
CS_OFFL_SIR_FDM_220171213T234815_20171214T001949_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220171214T003637_20171214T003653_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_220171214T003740_20171214T004430_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_220171214T012725_20171214T014355_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_220171214T014357_20171214T015615_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_2_20171214T021750_20171214T023333_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_220171214T030656_20171214T032121_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_220171214T035950_20171214T040255_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_220171214T040311_20171214T040659_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_220171214T040822_20171214T043203_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_220171214T044610_20171214T050951_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_220171214T073904_20171214T074856_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_220171214T080456_20171214T082231_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_220171214T085452_20171214T092846_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220171214T094516_20171214T094533_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_220171214T095200_20171214T095919_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_220171214T103417_20171214T104337_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220171214T104623_20171214T110757_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_220171214T115630_20171214T115648_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_220171214T115833_20171214T115844_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_220171214T121408_20171214T124713_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_220171214T131829_20171214T133552_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220171214T135715_20171214T140855_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_2_20171214T141059_20171214T142611_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_220171214T144239_20171214T145042_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_220171214T145932_20171214T151133_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_220171214T155023_20171214T160518_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_220171214T161934_20171214T165322_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_220171214T172045_20171214T174427_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_220171214T185633_20171214T192334_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_220171214T202516_20171214T202717_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_220171214T203806_20171214T203901_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_220171214T211824_20171214T215135_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_220171214T220441_20171214T220558_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_220171214T222405_20171214T224039_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_2_20171214T225658_20171214T233046_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:

3

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220171214T065301_20171214T065822_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220171214T083444_20171214T083545_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220171214T115630_20171214T115648_C001	Attitude correction missing	The attitude has not been corrected

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220171214T012725_20171214T014355_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_220171214T014357_20171214T015615_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_220171214T021750_20171214T023333_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_20171214T030656_20171214T032121_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_20171214T035950_20171214T040255_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_20171214T040311_20171214T040659_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_20171214T040822_20171214T043203_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_20171214T044610_20171214T050951_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_220171214T073904_20171214T074856_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_220171214T080456_20171214T082231_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_220171214T095200_20171214T095919_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_220171214T104623_20171214T110757_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_20171214T121408_20171214T124713_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_220171214T135715_20171214T140855_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_220171214T141059_20171214T142611_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_220171214T144239_20171214T145042_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_220171214T145932_20171214T151133_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_220171214T155023_20171214T160518_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_220171214T161934_20171214T165322_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_220171214T172045_20171214T174427_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_220171214T185633_20171214T192334_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_220171214T202516_20171214T202717_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_220171214T203806_20171214T203901_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_220171214T222405_20171214T224039_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_220171214T225658_20171214T233046_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.

### 6.7 L2 FDM SWH and Backscatter Measurement Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220171214T012725_20171214T014355_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_220171214T014357_20171214T015615_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_220171214T021750_20171214T023333_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_220171214T030656_20171214T032121_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_220171214T035950_20171214T040255_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_220171214T040311_20171214T040659_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.

CS_OFFL_SIR_FDM_2_20171214T040822_20171214T043203_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20171214T044610_20171214T050951_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20171214T073904_20171214T074856_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20171214T080456_20171214T082231_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_220171214T095200_20171214T095919_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_220171214T104623_20171214T110757_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_220171214T121408_20171214T124713_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_220171214T135715_20171214T140855_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_220171214T141059_20171214T142611_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_220171214T144239_20171214T145042_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20171214T145932_20171214T151133_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_220171214T155023_20171214T160518_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_220171214T161934_20171214T165322_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_220171214T172045_20171214T174427_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_220171214T185633_20171214T192334_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_220171214T202516_20171214T202717_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_220171214T203806_20171214T203901_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_220171214T222405_20171214T224039_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_220171214T225658_20171214T233046_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: 37

CS_OFFL_SIR_FDM_2_20171214T034815_20171214T01859_C001  Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag i	Product	Test Failed	Description
Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20171214T01475_20171214T015615_C001  CS_OFFL_SIR_FDM_2_20171214T01475_20171214T015615_C001  CS_OFFL_SIR_FDM_2_20171214T01475_20171214T023333_C001  CS_OFFL_SIR_FDM_2_20171214T021750_20171214T023333_C001  CS_OFFL_SIR_FDM_2_20171214T030656_20171214T032121_C001  CS_OFFL_SIR_FDM_2_20171214T032301_20171214T032836_C001  CS_OFFL_SIR_FDM_2_20171214T032301_20171214T032836_C001  CS_OFFL_SIR_FDM_2_20171214T032301_20171214T032836_C001  CS_OFFL_SIR_FDM_2_20171214T032901_20171214T032836_C001  CS_OFFL_SIR_FDM_2_20171214T032901_20171214T032836_C001  CS_OFFL_SIR_FDM_2_20171214T040311_20171214T032836_C001  CS_OFFL_SIR_FDM_2_20171214T040311_20171214T032836_C001  CS_OFFL_SIR_FDM_2_20171214T040311_20171214T032836_C001  CS_OFFL_SIR_FDM_2_20171214T040311_20171214T03290_C001  CS_OFFL_SIR_FDM_2_20171214T040311_20171214T040659_C001  CS_OFFL_SIR_FDM_2_20171214T040311_20171214T040659_C001  CS_OFFL_SIR_FDM_2_20171214T040610_20171214T040320_C001  CS_OFFL_SIR_FDM_2_20171214T040610_20171214T050951_C001  CS_OFFL_SIR_FDM_2_20171214T046610_20171214T050951_C001  CS_OFFL_SIR_FDM_2_20171214T046610_20171214T050951_C001  CS_OFFL_SIR_FDM_2_20171214T0466524_20171214T065244_C001  CS_OFFL_SIR_FDM_2_20171214T065242_20171214T065244_C001  CS_OFFL_SIR_FDM_2_20171214T080456_20171214T065244_C001  CS_OFFL_SIR_FDM_2_20171214T080456_20171214T082231_C001  CC_OCAL Retracking Quality Flag  CC_OCAL Retracking Quality Flag  CC_OCAL 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	CS_OFFL_SIR_FDM_2_20171213T234815_20171214T001949_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20171214T014355_20171214T015615_C001  CS_OFFL_SIR_FDM_2_20171214T014357_20171214T015615_C001  CS_OFFL_SIR_FDM_2_20171214T021750_20171214T023333_C001  CS_OFFL_SIR_FDM_2_20171214T0321721_C001  CS_OFFL_SIR_FDM_2_20171214T032301_20171214T032836_C001  CS_OFFL_SIR_FDM_2_20171214T032301_20171214T032836_C001  CS_OFFL_SIR_FDM_2_20171214T032301_20171214T032836_C001  CS_OFFL_SIR_FDM_2_20171214T035950_20171214T040555_C001  CS_OFFL_SIR_FDM_2_20171214T035950_20171214T040659_C001  CS_OFFL_SIR_FDM_2_20171214T040401_20171214T040659_C001  CS_OFFL_SIR_FDM_2_20171214T040401_20171214T040659_C001  CS_OFFL_SIR_FDM_2_20171214T040401_20171214T050951_C001  CS_OFFL_SIR_FDM_2_20171214T0404010_20171214T052206_C001  CS_OFFL_SIR_FDM_2_20171214T052514_20171214T052206_C001  CS_OFFL_SIR_FDM_2_20171214T052514_20171214T052206_C001  CS_OFFL_SIR_FDM_2_20171214T052514_20171214T052206_C001  CS_OFFL_SIR_FDM_2_20171214T052514_20171214T052206_C001  CS_OFFL_SIR_FDM_2_20171214T06524_20171214T065244_C001  CS_OFFL_SIR_FDM_2_20171214T0662524_20171214T065244_C001  CS_OFFL_SIR_FDM_2_20171214T06062524_20171214T066244_C001  CS_OFFL_SIR_FDM_2_20171214T06062524_20171214T0662644_C001  CS_OFFL_SIR_FDM_2_20171214T06062524_20171214T0662644_C001  CS_OFFL_SIR_FDM_2_20171214T06062524_20171214T0662644_C001  CS_OFFL_SIR_FDM_2_20171214T06062524_20171214T0662644_C001  CS_OFFL_SIR_FDM_2_20171214T06062524_20171214T0662644_C001  CS_OFFL_SIR_FDM_2_20171214T06062524_20171214T0662644_C001  CS_OFFL_SIR_FDM_2_20171214T0606266_20171214T0662644_C001  CS_OFFL_SIR_FDM_2_20171214T0606266_20171214T0662644_C001  CS_OFFL_SIR_FDM_2_20171214T0606266_20171214T0662644_C001  CCCAR 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 o	CS_OFFL_SIR_FDM_220171214T004444_20171214T010859_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_201712141014337_20171214T023333_C001  CS_OFFL_SIR_FDM_2_20171214T023333_C001  CS_OFFL_SIR_FDM_2_20171214T030656_20171214T032121_C001  CS_OFFL_SIR_FDM_2_20171214T032301_20171214T032836_C001  CS_OFFL_SIR_FDM_2_20171214T032301_20171214T032836_C001  CS_OFFL_SIR_FDM_2_20171214T032301_20171214T032836_C001  CS_OFFL_SIR_FDM_2_20171214T032301_20171214T040255_C001  CS_OFFL_SIR_FDM_2_20171214T0330550_20171214T040255_C001  CS_OFFL_SIR_FDM_2_20171214T040311_20171214T040659_C001  CS_OFFL_SIR_FDM_2_20171214T040822_20171214T040659_C001  CS_OFFL_SIR_FDM_2_20171214T040822_20171214T040303_C001  CS_OFFL_SIR_FDM_2_20171214T040822_20171214T050951_C001  CS_OFFL_SIR_FDM_2_20171214T040822_20171214T050951_C001  CS_OFFL_SIR_FDM_2_20171214T040810_20171214T050951_C001  CS_OFFL_SIR_FDM_2_20171214T040810_20171214T050951_C001  CS_OFFL_SIR_FDM_2_20171214T040810_20171214T050951_C001  CS_OFFL_SIR_FDM_2_20171214T050951_C001  CS_OFFL_SIR_FDM_2_20171214T052114_20171214T052206_C001  CS_OFFL_SIR_FDM_2_20171214T052514_20171214T052206_C001  CS_OFFL_SIR_FDM_2_20171214T05254_20171214T052206_C001  CS_OFFL_SIR_FDM_2_20171214T06524_20171214T065244_C001  CS_OFFL_SIR_FDM_2_20171214T073904_20171214T074856_C001  CS_OFFL_SIR_FDM_2_20171214T063236_20171214T082231_C001  CS_OFFL_SIR_FDM_2_20171214T063236_20171214T082231_C001  CS_OFFL_SIR_FDM_2_20171214T063246_C001  CS_OFFL_SIR_FDM_2_20171214T063236_20171214T082331_C001  CS_OFFL_SIR_FDM_2_20171214T063236_20171214T082331_C001  CS_OFFL_SIR_FDM_2_20171214T063236_20171214T082331_C001  CS_OFFL_SIR_FDM_2_20171214T063236_20171214T082331_C001  CS_OFFL_SIR_FDM_2_20171214T082336_20171214T082331_C001  CS_OFFL_SIR_FDM_2_20171214T082336_20171214T082331_C001  CS_OFFL_SIR_FDM_2_20171214T082336_20171214T082331_C001  CS_OFFL_SIR_FDM_2_20171214T082336_20171214T082331_C001  CS_OFFL_SIR_FDM_2_20171214T082336_20171214T082331_C001  CS_OFFL_SIR_FDM_2_20171214T082336_20171214T082331_C001  CS_OFFL_SIR_FDM_2_20171214T082336_20171214T082336_C001  CS_OFFL_SIR_FDM_2_20171214T082336_20171214T082336_C001  CS_OFFL_SIR_FDM_2_20171	CS_OFFL_SIR_FDM_220171214T012725_20171214T014355_C001	Ocean Retracking Quality Flag	
Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean 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	CS_OFFL_SIR_FDM_220171214T014357_20171214T015615_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20171214T032301_20171214T032836_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20171214T040822_20171214T050951_C001  Ocean Retracking Quality Flag  CS_OFFL_SIR_FDM_2_20171214T052114_20171214T052206_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_20171214T062544_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_20171214T062544_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_20171214T080456_20171214T082231_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 fo	CS_OFFL_SIR_FDM_220171214T021750_20171214T023333_C001	Ocean Retracking Quality Flag	
Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20171214T03295_C001  CS_OFFL_SIR_FDM_2_20171214T040311_20171214T040659_C001  CS_OFFL_SIR_FDM_2_20171214T040311_20171214T040659_C001  CS_OFFL_SIR_FDM_2_20171214T040311_20171214T040659_C001  CS_OFFL_SIR_FDM_2_20171214T040822_20171214T043203_C001  CS_OFFL_SIR_FDM_2_20171214T040822_20171214T043203_C001  CS_OFFL_SIR_FDM_2_20171214T0404610_20171214T050951_C001  CS_OFFL_SIR_FDM_2_20171214T0404610_20171214T050951_C001  CS_OFFL_SIR_FDM_2_20171214T052114_20171214T052206_C001  CS_OFFL_SIR_FDM_2_20171214T052114_20171214T065244_C001  CS_OFFL_SIR_FDM_2_20171214T065244_20171214T065244_C001  CS_OFFL_SIR_FDM_2_20171214T073904_20171214T074856_C001  CS_OFFL_SIR_FDM_2_20171214T073904_20171214T082231_C001  CS_OFFL_SIR_FDM_2_20171214T080456_20171214T082231_C001  CS_OFFL_SIR_FDM_2_20171214T080456_20171214T082231_C001  CS_OFFL_SIR_FDM_2_20171214T080456_20171214T082238_C001  CS_OFFL_SIR_FDM_2_20171214T080456_20171214T080456_20171214T080456_20171214T080456_20171214T080456_20171214T080456_20171214T080456_20171214T080456_20171214T080456_20171214T080456_20171214T080456_20171214T080456_20171214T080456_20171214T080456_20171214T080456_2	CS_OFFL_SIR_FDM_220171214T030656_20171214T032121_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20171214T040311_20171214T040659_C001  CS_OFFL_SIR_FDM_2_20171214T040311_20171214T040659_C001  CS_OFFL_SIR_FDM_2_20171214T040822_20171214T043203_C001  CS_OFFL_SIR_FDM_2_20171214T040610_20171214T050951_C001  CS_OFFL_SIR_FDM_2_20171214T052114_20171214T05206_C001  CS_OFFL_SIR_FDM_2_20171214T065244_C001  CS_OFFL_SIR_FDM_2_20171214T062524_20171214T065244_C001  CS_OFFL_SIR_FDM_2_20171214T073904_20171214T074856_C001  CS_OFFL_SIR_FDM_2_20171214T082231_C001  CS_OFFL_SIR_FDM_2_20171214T082236_20171214T082231_C001  CS_OFFL_SIR_FDM_2_20171214T082236_20171214T082236_C001  CS_OFFL_SIR_FDM_2_20171214T082236_20171214T082236_C001  CS_OFFL_SIR_FDM_2_20171214T082236_20171214T082236_C001  CS_OFFL_SIR_FDM_2_20171214T082236_20171214T082236_C001  CS_OFFL_SIR_FDM_2_20171214T082236_20171214T082236_C001  CS_OFFL_SIR_FDM_2_20171214T082236_20171214T082236_C001  CS_OFFL_SIR_FDM_2_20171214T082336_20171214T082236_C001  CS_OFFL_SIR_FDM_2_20171214T082236_20171214T082236_C001  CCS_OFFL_SIR_FDM_2_20171214T082236_20171214T082236_C001  CCS_OFFL_SIR_FDM_2_20171214T082236_20171214T082236_C001  CCS_OFFL_SIR_FDM_2_20171214T082236_20171214T082236_C001  CCS_OFFL_SIR_FDM_2_20171214T082236_20171214T082236_C001  CCS_OFFL_SIR_FDM_2_20171214T082236_20171214T082236_C001  CCS_OFFL_SIR_FDM_2_20171214T082236_20171214T082236_C001  CCS_OFFL_SIR_FDM_2_20171214T082236_20171214T082236_C001  CCS_OFFL_SIR_FDM_2_20171214T082336_20171214T082236_C001  CCS_OFFL_SIR_FDM_2_20171214T082236_20171214T082236_C001  CCS_OFFL_SIR_FDM_2_20171214T082236_20171214T082236_C001  CCS_OFFL_SIR_FDM_2_20171214T082236_20171214T082236_C001  CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	CS_OFFL_SIR_FDM_220171214T032301_20171214T032836_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20171214T040822_20171214T050951_C001  CS_OFFL_SIR_FDM_2_20171214T040822_20171214T050951_C001  CS_OFFL_SIR_FDM_2_20171214T052114_20171214T050951_C001  CS_OFFL_SIR_FDM_2_20171214T052114_20171214T052206_C001  CS_OFFL_SIR_FDM_2_20171214T062524_20171214T065244_C001  CS_OFFL_SIR_FDM_2_20171214T062524_20171214T065244_C001  CS_OFFL_SIR_FDM_2_20171214T073904_20171214T074856_C001  CS_OFFL_SIR_FDM_2_20171214T082231_C001  CS_OFFL_SIR_FDM_2_20171214T082231_C001  CS_OFFL_SIR_FDM_2_20171214T082236_20171214T082231_C001  CS_OFFL_SIR_FDM_2_20171214T082236_20171214T082236_C001  CS_OFFL_SIR_FDM_2_20171214T082236_20171214T08246_C001  CS_OFFL_SIR_FDM_2_20171214T082236_20171214T08246_C001  CS_OFFL_SIR_FDM_2_20171214T082236_20171214T08246_C001  CS_OFFL_S	CS_OFFL_SIR_FDM_220171214T035950_20171214T040255_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20171214T044610_20171214T052951_C001  CS_OFFL_SIR_FDM_2_20171214T052114_20171214T052206_C001  CS_OFFL_SIR_FDM_2_20171214T052114_20171214T052206_C001  CS_OFFL_SIR_FDM_2_20171214T062524_20171214T065244_C001  CS_OFFL_SIR_FDM_2_20171214T062524_20171214T065244_C001  CS_OFFL_SIR_FDM_2_20171214T073904_20171214T074856_C001  CS_OFFL_SIR_FDM_2_20171214T082231_C001  CS_OFFL_SIR_FDM_2_20171214T082236_20171214T082231_C001  CS_OFFL_SIR_FDM_2_20171214T082236_20171214T082236_C001  CS_OFFL_SIR_FDM_2_20171214T082236_20171214T082236_C001  CS_OFFL_SIR_FDM_2_20171214T080456_20171214T082236_C001  CS_OFFL_SIR_FDM_2_20171214T080456_20171214T082236_C001  CS_OFFL_SIR_FDM_2_20171214T082236_20171214T082236_C001  CS_OFFL_SIR_FDM_2_20171214T082236_20171214T082236_C001  CS_OFFL_SIR_FDM_2_20171214T082236_20171214T082236_C001  CS_OFFL_SIR_FDM_2_20171214T082236_20171214T082928_C001  CS_OFFL_SIR_FDM_2_20171214T082236_20171214T082948_C001  CS_OFFL_SIR_FDM_2_20171214T082236_20171214T082	CS_OFFL_SIR_FDM_220171214T040311_20171214T040659_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20171214T08254_20171214T052206_C001  CS_OFFL_SIR_FDM_2_20171214T062524_20171214T065244_C001  CS_OFFL_SIR_FDM_2_20171214T062524_20171214T065244_C001  CS_OFFL_SIR_FDM_2_20171214T073904_20171214T074856_C001  CS_OFFL_SIR_FDM_2_20171214T082524_20171214T082231_C001  CS_OFFL_SIR_FDM_2_20171214T080456_20171214T082231_C001  CS_OFFL_SIR_FDM_2_20171214T080456_20171214T082231_C001  CS_OFFL_SIR_FDM_2_20171214T082236_20171214T08298_C001  CS_OFFL_SIR_FDM_2_20171214T082236_20171214T08298_C001  CS_OFFL_SIR_FDM_2_20171214T082236_20171214T08298_C001  CS_OFFL_SIR_FDM_2_20171214T082366_20171214T08298_C001  CS_OFFL_SIR_FDM_2_20171214T082466_20171214T08298_C001  CS_OFFL_SIR_FDM_2_20171214T082466_20171214T08298_C001  CS_OFFL_SIR_FDM_2_20171214T082466_20171214T08298_C001  CS_OFFL_SIR_FDM_2_20171214T082466_20171214T08298_C001  CS_OFFL_SIR_FDM_2_20171214T082466_20171214T08298_C001  CS_OFFL_SIR_FDM_2_20171214T082466_20171214T08298_C001  CS_OFFL_SIR_FDM_2_20171214T082466_20171214T08298_C001  CS_OFFL_SIR_FDM_2_20171214T082466_20171214T08298_C001  CS_OFFL_SIR_FDM_2_20171214T082466_20171214T082466_C001  CS_OFFL_SIR_FDM_2_20171214T082466_20171214T082466_C001  CS_OFFL_SIR_FDM_2_20171214T082466_C001  CS_OFFL_SIR_FDM_2_20171214T082466_C001  CS_OFFL_SIR_FDM_2_20171214T082466_C001  CS_OFFL_SIR_FDM_2_20171214T082466_C001  CS_OFFL_SIR_FDM_2_20171214T082466_C001  CS_OFFL_SIR_FDM_2_20171	CS_OFFL_SIR_FDM_220171214T040822_20171214T043203_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20171214T08224_C001  CS_OFFL_SIR_FDM_2_20171214T062524_20171214T065244_C001  CS_OFFL_SIR_FDM_2_20171214T073904_20171214T074856_C001  CS_OFFL_SIR_FDM_2_20171214T073904_20171214T074856_C001  CS_OFFL_SIR_FDM_2_20171214T080456_20171214T082231_C001  CS_OFFL_SIR_FDM_2_20171214T080456_20171214T082231_C001  CS_OFFL_SIR_FDM_2_20171214T082236_20171214T082236_C001  CS_OFFL_SIR_FDM_2_20171214T082236_20171214T082236_C001  CS_OFFL_SIR_FDM_2_20171214T082236_20171214T082928_C001  CS_OFFL_SIR_FDM_2_20171214T08236_20171214T082928_C001  CS_OFFL_SIR_FDM_2_20171214T082938_C001  CS_OFFL_SIR_FDM_2_2	CS_OFFL_SIR_FDM_220171214T044610_20171214T050951_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20171214T08224_20171214T08224_C001  CS_OFFL_SIR_FDM_2_20171214T073904_20171214T074856_C001  CS_OFFL_SIR_FDM_2_20171214T080456_20171214T082231_C001  CS_OFFL_SIR_FDM_2_20171214T080456_20171214T082231_C001  CS_OFFL_SIR_FDM_2_20171214T082236_20171214T082928_C001  CS_OFFL_SIR_FDM_2_20171214T082236_20171214T082928_C001  Ocean Retracking Quality Flag  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.  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 Retracker was not successfully executed for one or more records.  The Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracker was not successfully executed for one or more records.  The Ocean Retracker was not successfully executed for one or more records.	CS_OFFL_SIR_FDM_220171214T052114_20171214T052206_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20171214T082456_C001  CS_OFFL_SIR_FDM_2_20171214T080456_20171214T082231_C001  CS_OFFL_SIR_FDM_2_20171214T080456_20171214T082231_C001  CS_OFFL_SIR_FDM_2_20171214T082236_20171214T082928_C001  CS_OFFL_SIR_FDM_2_20171214T082236_20171214T082928_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.	CS_OFFL_SIR_FDM_220171214T062524_20171214T065244_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20171214T080436_20171214T08223E_C001  CS_OFFL_SIR_FDM_2_20171214T082236_20171214T082928_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  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_220171214T073904_20171214T074856_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_2017/2141082236_2017/2141082928_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_220171214T080456_20171214T082231_C001	Ocean Retracking Quality Flag	
	CS_OFFL_SIR_FDM_220171214T082236_20171214T082928_C001	Ocean Retracking Quality Flag	
	CS_OFFL_SIR_FDM_220171214T085452_20171214T092846_C001		
CS_OFFL_SIR_FDM_2_20171214T095200_20171214T095919_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_220171214T095200_20171214T095919_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20171214T103417_20171214T104337_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_20171214T103417_20171214T104337_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20171214T104623_20171214T110757_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_20171214T104623_20171214T110757_C001	Ocean Retracking Quality Flag	

CS_OFFL_SIR_FDM_220171214T121408_20171214T124713_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_220171214T130536_20171214T131806_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_220171214T131829_20171214T133552_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_220171214T135715_20171214T140855_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_220171214T141059_20171214T142611_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_220171214T144239_20171214T145042_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_220171214T145932_20171214T151133_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_220171214T155023_20171214T160518_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_220171214T161934_20171214T165322_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_220171214T172045_20171214T174427_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_220171214T175844_20171214T182531_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_220171214T185633_20171214T192334_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_220171214T202516_20171214T202717_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_220171214T203806_20171214T203901_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_220171214T211824_20171214T215135_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_220171214T222405_20171214T224039_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_220171214T225658_20171214T233046_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.

## 7. QCC Report Analysis

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

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR1LRM_0_	166	166	166	0	0
SIR1SAR_0_	134	134	134	0	0
SIR1SIN_0_	109	109	109	0	0
SIR2SIN_0_	91	91	91	0	0
SIR_FDM_1B	166	166	166	0	0
SIR_FDM_2	164	164	164	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