



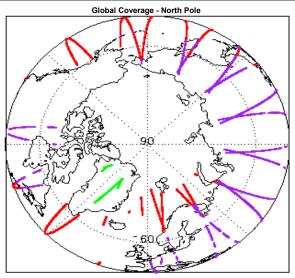
# 1. Overview

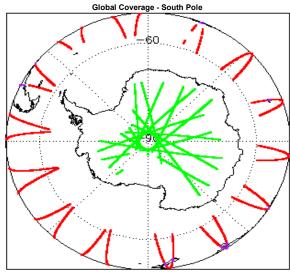
Report Production Date:	16-Jul-2018
Processor Used:	CryoSat Ice Processor
Data Used:	L1 and L2 Fast Delivery Marine (FDM)  Mode and L0 Data

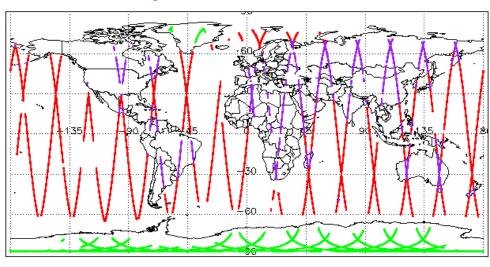
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check	Nominal
Auxiliary Data File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

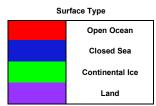
I	Mission / Instrument News		
	12-Jul-2018	SIRAL unavailability on 12-Jul-2018 from 04:30:28 to 07:55:50 due to a planned orbit manoeuvre.	
	13-Jul-2018	None	
	14-Jul-2018	Nothing planned	

# 2. Global Coverage









# 3. Instrument Configuration

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

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

## 5. Level 1B FDM Data Quality Check

#### 5.1 L1B FDM Product Format Check

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

Number of products with errors:

#### 5.2 L1B FDM Product Header Analysis

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

Number of products with errors:

#### 5.3 L1B FDM Star Tracker Usage Check

Each product is checked in order to ensure a valid star tracker file has been used in processing.

Number of products with errors:

Product	Test Failed
CS_OFFL_SIR_FDM_1B_20180713T012008_20180713T013804_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20180713T195703_20180713T200345_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20180713T213932_20180713T214041_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20180713T231908_20180713T231930_C001	No Star Tracker file used in the processing of this product

### 5.4 L1B FDM Calibration Usage Check

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

0

0

Number of products with errors: 0

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

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

Number of products with errors:

## 5.6 L1B FDM Auxiliary Correction Error Check

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

Number of products with errors:

#### 5.7 L1B FDM Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20180713T000814_20180713T000954_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_20180713T012008_20180713T013804_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20180713T045519_20180713T050755_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_20180713T154024_20180713T155513_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_20180713T195703_20180713T200345_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20180713T213932_20180713T214041_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20180713T231908_20180713T231930_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: 0

### 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: 0

#### 6.4 L2 FDM Auxiliary Correction Error Check

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

Number of products with errors:

Product	Test Failed	Description
CS OFFL SIR FDM 2 20180713T001546 20180713T001642 C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
C3_OFFE_SIR_1 DM_2201007131001340_201007131001042_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_220180713T002738_20180713T005757_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
03_011E_3IK_1 DWI_2201007131002730_201007131003737_0001	Wind Speed	Correction for one or more records
CS OFFL SIR FDM 2 20180713T012008 20180713T013804 C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more
C3_OFFL_3IR_FDM_2201607131012006_201607131013604_C001	Sea State Bias Correction	records

CS_OFFL_SIR_FDM_220180713T020625_20180713T022417_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_220180713T022511_20180713T024206_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_220180713T035330_20180713T040429_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_220180713T040631_20180713T042102_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_220180713T045519_20180713T050755_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_220180713T054533_20180713T055959_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_220180713T061549_20180713T064125_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220180713T071445_20180713T073902_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_220180713T084257_20180713T085113_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_220180713T085116_20180713T091844_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_220180713T105258_20180713T105448_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_220180713T125311_20180713T132535_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_220180713T134859_20180713T141339_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_220180713T143257_20180713T144930_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_220180713T150216_20180713T150514_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_220180713T154024_20180713T155513_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_220180713T161144_20180713T162559_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_220180713T162738_20180713T164813_C001	Sea State Bias Correction, Mean Sea Surface height, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed, the Sea State Bias Correction and the Mean Sea Surface Height for one or more records
CS_OFFL_SIR_FDM_220180713T170231_20180713T171522_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_220180713T175141_20180713T181327_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_220180713T183919_20180713T183931_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 20180713T184924 20180713T191526 C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
	Wind Speed	Correction for one or more records  There is an error with the Sea State Bias Correction for one or more
CS_OFFL_SIR_FDM_220180713T193131_20180713T195527_C001	Sea State Bias Correction Sea State Bias Correction, Altimetric	records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220180713T200345_20180713T200634_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_220180713T202811_20180713T203805_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_220180713T210955_20180713T213732_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_220180713T214357_20180713T214725_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_220180713T224912_20180713T225140_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_220180713T233858_20180713T234814_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_20180713T235100_20180714T001214_C001	Sea State Bias Correction	There is an error with the 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:

0954_C001     Echo error     The Echo Rx1 Error flag is set, indicating a degraded raw echo       3804_C001     Attitude correction missing     The attitude has not been corrected
3804_C001 Attitude correction missing The attitude has not been corrected
0755_C001 Echo error The Echo Rx1 Error flag is set, indicating a degraded raw echo
5513_C001 Echo error The Echo Rx1 Error flag is set, indicating a degraded raw echo
0345_C001 Attitude correction missing The attitude has not been corrected
4041_C001 Attitude correction missing The attitude has not been corrected
1930_C001 Attitude correction missing The attitude has not been corrected
0345_C001 Attitude correction missing The attitude has not been corrected 4041_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: 21

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220180713T002738_20180713T005757_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_220180713T020625_20180713T022417_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_220180713T022511_20180713T024206_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_220180713T035330_20180713T040429_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_220180713T040631_20180713T042102_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_220180713T045519_20180713T050755_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.

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.
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.
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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.
	CFI Retracked Range Flag  CFI Retracked Range Flag

# 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: 21

Number of products with errors.			
Product	Test Failed	Description	
CS_OFFL_SIR_FDM_220180713T002738_20180713T005757_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_220180713T020625_20180713T022417_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_220180713T022511_20180713T024206_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_220180713T035330_20180713T040429_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_220180713T040631_20180713T042102_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_220180713T045519_20180713T050755_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_220180713T084257_20180713T085113_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_220180713T085116_20180713T091844_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_220180713T125311_20180713T132535_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_220180713T143257_20180713T144930_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_20180713T150216_20180713T150514_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_220180713T154024_20180713T155513_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_220180713T162738_20180713T164813_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_220180713T170231_20180713T171522_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_220180713T175141_20180713T181327_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_220180713T183919_20180713T183931_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_220180713T184924_20180713T191526_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_220180713T200345_20180713T200634_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_220180713T210955_20180713T213732_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_220180713T214357_20180713T214725_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_220180713T233858_20180713T234814_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:

CS_CPFI_SR_FM2_2018F15T005892_018F15T005802_010  Obean Retracking Quality Flag  Find Dozen Retracking Quality Flag  Obean Re	Product	Test Failed	Description
CS_OFT_BIR_FDM20180713T00589_00180713T00592_0019 Coese Retacking Quality Figs Reducted was not accessfully executed for our more records. The Coese Retacking Quality Figs CS_OFT_BIR_FDM20180713T00589_00180713T00549_0019 Coese Retacking Quality Figs Reducted was not accessfully executed for our more records. The Coese Retacking Quality Figs CS_OFT_BIR_FDM20180713T00589_00180713T00549_0019 Coese Retacking Quality Figs CS_OFT_BIR_FDM20180713T00589_0019 Coese Retacking Quality Figs CS_OFT_BIR_FDM20180713T016113_001901 Coese Retacking Quality Figs CS_OFT_BIR_FDM			The Ocean Retracking Quality Flag is set indicating the CFI Ocean
S. OFFL. SIR, FDM. 2. 20180713T020345, 20180713T022347, C001  Coesh Periodoling Quality Flag  Cest Flags, FDM. 2. 20180713T02015, 20180713T02235, 2010  Coesh Periodoling Quality Flag  Cest Flags, FDM. 2. 20180713T02015, 20180713T02035, 20100713T02035, 20180713T02035, 20			The Ocean Retracking Quality Flag is set indicating the CFI Ocean
S., OFFL, SR, FDM. 2, 201807131100160, 2018071310013131 (2011)  C., OFFL, SR, FDM. 2, 201807131100160, 2018071310013131 (2011)  C., OFFL, SR, FDM. 2, 201807131100130, 201807131100130, 201807131100130, 201807131100130, 201807131100130, 201807131100130, 201807131100130, 201807131100130,	CS_OFFL_SIR_FDM_220180713T020625_20180713T022417_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
Ceg. OFFL_SIR_FDM_2_20180713704508_201807137042102_C001  Obean Retracking Quality Flag  Retracker was not successfully executed for one or more records.  Ceg. OFFL_SIR_FDM_2_20180713704508_201807137042102_C001  Obean Retracking Quality Flag  Retracker was not successfully executed for one or more records.  Ceg. OFFL_SIR_FDM_2_201807137045192_201807137064126_C001  Obean Retracking Quality Flag  Retracker was not successfully executed for one or more records.  The Obean Retracking Quality Flag  Retracker was not successfully executed for one or more records.  The Obean Retracking Quality Flag  Retracker was not successfully executed for one or more records.  The Obean Retracking Quality Flag  Retracker was not successfully executed for one or more records.  The Obean Retracking Quality Flag  The Obean Retracking	CS_OFFL_SIR_FDM_220180713T022511_20180713T024206_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
Scient, Restanding Quality Flag  Retandor was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_201807/31046519_201807/31050756_0001  Cs_OFFL_SIR_FDM_2_201807/31061519_201807/31050756_0001  Cs_OFFL_SIR_FDM_2_201807/31061519_201807/31050756_0001  Cs_OFFL_SIR_FDM_2_201807/31061519_201807/3105056_0001  Cs_OFFL_SIR_FDM_2_201807/31061519_201807/3105056_0001  Cs_OFFL_SIR_FDM_2_201807/3106412_001807/3105056_0001  Cs_OFFL_SIR_FDM_2_201807/3106412_001807/3105056_0001  Cs_OFFL_SIR_FDM_2_201807/3106413_0001807/3105056_0001  Cs_OFFL_SIR_FDM_2_201807/3106413_0001807/3105056_0001  Cs_OFFL_SIR_FDM_2_201807/3106413_0001807/3105056_0001  Cs_OFFL_SIR_FDM_2_201807/3106413_0001807/3105056_0001  Cs_OFFL_SIR_FDM_2_201807/3106413_0001807/3105056_0001  Cs_OFFL_SIR_FDM_2_201807/3106413_0001807/3105056_0001  Cs_OFFL_SIR_FDM_2_201807/3106415_0001807/3105056_0001  Cs_OFFL_SIR_FDM_2_201807/3106415_0001807/3105056_0001  Cs_OFFL_SIR_FDM_2_201807/3106416_0001807/3105056_0001  Cs_OFFL_SIR_FDM_2_201807/3106416_0001807/3105616_0001807/3106616_0001807/31	CS_OFFL_SIR_FDM_220180713T030105_20180713T031331_C001	Ocean Retracking Quality Flag	
Sc. OFFL_SR_FDN1_2_2018071310649_201807130755_0001  Osean Retracking Quality Fag  Retracker was not successfully executed for one or more records.  Pose Retracking Quality Fag  Retracker was not successfully executed for or or more records.  Retracking Quality Fag  Retracker was not successfully executed for or or more records.  Retracking Quality Fag  Retracking Quality Fag  Retracker Quality Fag  Retracking Q	CS_OFFL_SIR_FDM_220180713T035330_20180713T040429_C001	Ocean Retracking Quality Flag	
Restructure wan an successfully executed for one of more records.  CS_OFFL_SIR_FDML_2_20180713706145_201807137064125_C001  CS_OFFL_SIR_FDML_2_20180713707445_201807137060425_C001  CS_OFFL_SIR_FDML_2_20180713707445_201807137060425_C001  CS_OFFL_SIR_FDML_2_20180713707445_201807137060425_C001  CS_OFFL_SIR_FDML_2_201807137064105_C001  CS_OFFL_SIR_FDML_2_201807137064105_C001  CS_OFFL_SIR_FDML_2_201807137064105_C001  CS_OFFL_SIR_FDML_2_201807137064105_C001  CS_OFFL_SIR_FDML_2_201807137064105_C001  CS_OFFL_SIR_FDML_2_201807137064105_C001  CS_OFFL_SIR_FDML_2_20180713706405_C001  CS_OFFL_SIR_FDML_2_20180713706405_C001  CS_OFFL_SIR_FDML_2_20180713706405_C001  CS_OFFL_SIR_FDML_2_20180713706405_C001  CS_OFFL_SIR_FDML_2_201807137106005_C001  CS_OFFL_SIR_FDML_2_201807137106005_C0	CS_OFFL_SIR_FDM_220180713T040631_20180713T042102_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20180713T09342_20180713T09302_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 are indicating the CFI Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or mo	CS_OFFL_SIR_FDM_220180713T045519_20180713T050755_C001	Ocean Retracking Quality Flag	
Ocean Retracking valuely Flag Retracker was not successfully executed for one or more records. The Coean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Coean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Coean Retracking Plant Flag Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. Retracker was not successfully	CS_OFFL_SIR_FDM_220180713T061549_20180713T064125_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_2_20180713T09437_20180713T080107_COOL  Cean Retracking Quality Filiag  CS_OFFL_SIR_FDM_2_20180713T094173_20180713T098107_COOL  CS_OFFL_SIR_FDM_2_20180713T094267_20180713T098113_COOL  CS_OFFL_SIR_FDM_2_20180713T094267_20180713T098104_COOL  CS_OFFL_SIR_FDM_2_20180713T094107_20180713T098104_COOL  CS_OFFL_SIR_FDM_2_20180713T094003_20180713T108080_COOL  CS_OFFL_SIR_FDM_2_20180713T094003_20180713T108080_COOL  CS_OFFL_SIR_FDM_2_20180713T102020_20180713T108080_COOL  CS_OFFL_SIR_FDM_2_20180713T102020_20180713T108035_COOL  CS_OFFL_SIR_FDM_2_20180713T132020_20180713T102305_COOL  CS_OFFL_SIR_FDM_2_20180713T132531_20180713T13255_COOL  CS_OFFL_SIR_FDM_2_20180713T132531_20180713T13255_COOL  CS_OFFL_SIR_FDM_2_20180713T132531_20180713T13255_COOL  CS_OFFL_SIR_FDM_2_20180713T132531_20180713T13255_COOL  CS_OFFL_SIR_FDM_2_20180713T132531_20180713T13255_COOL  CS_OFFL_SIR_FDM_2_20180713T132531_20180713T13255_COOL  CS_OFFL_SIR_FDM_2_20180713T132531_20180713T13255_COOL  CS_OFFL_SIR_FDM_2_20180713T132531_20180713T13255_COOL  CS_OFFL_SIR_FDM_2_20180713T132531_20180713T13255_COOL  CS_OFFL_SIR_FDM_2_20180713T13253_COOL  CS_OFFL_SIR_FDM_2_20180713T13225_COOL  CS_OFFL_SIR_FDM_2_20180713T13225_COOL  CS_OFFL_SIR_FDM_2_20180713T13225_COOL  CS_OFFL_SIR_FDM_2_20180713T13225_COOL  CS_OFFL_SIR_FDM_2_20180713T13225_COOL  CS_OFFL_SIR_FDM_2_20180713T13225_COOL  CS_OFFL_SIR_FDM_2_20180713T13225_COOL  CS_OFFL_SIR_FDM_2_20180713T13221_COOL  CS_OFFL_SIR_FDM_2_20180713T13221_COOL  CS_OFFL_SIR_FDM_2_201807	CS_OFFL_SIR_FDM_220180713T071445_20180713T073902_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_2_20180713109425_20180713109411_20180713109411_20180713109411_20180713109411_20180713109411_20180713109411_20180713109494_20180713109494_20180713109494_20180713109494_2018071310935_20180713110935_2018	CS_OFFL_SIR_FDM_220180713T075437_20180713T080540_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_2_201807137084603_20180713708913_C001  Cean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retrac	CS_OFFL_SIR_FDM_220180713T081113_20180713T082107_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
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CS_OFFL_SIR_FDM_2_201807131109202_201807131102335_001  Ocean Retracking Quality Fig The Gracker was not successfully executed for one or more records. The Gracker was not successfully executed for one or more records. The Gracker was not successfully executed for one or more records. The Gracker was not successfully executed for one or more records. The Gracker was not successfully executed for one or more records. The Gracker was not successfully executed for one or more records. The Gracker was not successfully executed for one or more records. The Gracker was not successfully executed for one or more records. The Gracker was not successfully executed for one or more records. The Gracker was not successfully executed for one or more records. The Gracker was not successfully executed for one or more records. The Gracker was not successfully executed for one or more records. The Gracker was not successfully executed for one or more records. The Gracker was not successfully executed for one or more records. The Gracker was not successfully executed for one or more records. The Gracker was not successfully executed for one or more records. The Gracker was not successfully executed for one or more records. The Gracker was not successfully executed for one or more records. The Gracker was not successfully executed for one or more records. The Gracker was not successfully executed for one or more records. The Gracker was not successfully executed for one or more records. The Gracker was not successfully executed for one or more records. The Gracker was not successfully executed for one or more records. The Gracker was not successfully executed for one or more records. The Gracker was not successfully executed for one or more records. The Gracker was not successfully executed for one or more records. The Gracker was not successfully executed for one or more records. The Gracker was not successfully executed for one or more records. The Gracker was not successfully executed for one or more records. The Gracker was not	CS_OFFL_SIR_FDM_220180713T085116_20180713T091844_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
Ocean Retracking Quality Fig.  Serior Net Se	CS_OFFL_SIR_FDM_220180713T094603_20180713T100809_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20180713T125311_20180713T135255_CO01 Coan Retracking Quality Flag CS_OFFL_SIR_FDM_2_20180713T132531_20180713T132535_CO01 CS_OFFL_SIR_FDM_2_20180713T132538_20180713T13291_CO01 CS_OFFL_SIR_FDM_2_20180713T132538_20180713T13493_CO01 CS_OFFL_SIR_FDM_2_20180713T134557_20180713T144339_CO01 CS_OFFL_SIR_FDM_2_20180713T14357_20180713T14439_CO01 CS_OFFL_SIR_FDM_2_20180713T14357_20180713T14439_CO01 CS_OFFL_SIR_FDM_2_20180713T14357_20180713T14439_CO01 CS_OFFL_SIR_FDM_2_20180713T14357_20180713T150210_CO01 CS_OFFL_SIR_FDM_2_20180713T150216_20180713T150210_CO01 CS_OFFL_SIR_FDM_2_20180713T150216_20180713T150210_CO01 CS_OFFL_SIR_FDM_2_20180713T150216_20180713T150210_CO01 CS_OFFL_SIR_FDM_2_20180713T150216_20180713T150210_CO01 CS_OFFL_SIR_FDM_2_20180713T150216_20180713T150210_CO01 CS_OFFL_SIR_FDM_2_20180713T150216_20180713T150210_CO01 CS_OFFL_SIR_FDM_2_20180713T150216_20180713T150210_CO01 CS_OFFL_SIR_FDM_2_20180713T150216_20180713T150210_CO01 CS_OFFL_SIR_FDM_2_20180713T150216_20180713T150210_CO01 CS_OFFL_SIR_FDM_2_20180713T150214_20180713T150210_CO01 CS_OFFL_SIR_FDM_2_20180713T150214_20180713T150210_CO01 CS_OFFL_SIR_FDM_2_20180713T150214_20180713T150210_CO01 CS_OFFL_SIR_FDM_2_20180713T150214_20180713T150210_CO01 CS_OFFL_SIR_FDM_2_20180713T150214_20180713T150210_CO01 CS_OFFL_SIR_FDM_2_20180713T150214_20180713T150210_CO01 CS_OFFL_SIR_FDM_2_20180713T150214_20180713T150210_CO01 CS_OFFL_SIR_FDM_2_20180713T150214_20180713T150210_CO01 CS_OFFL_SIR_FDM_2_20180713T150214_20180713T150210_CO01 CS_OFFL_SIR_FDM_2_20180713T150214_20180713T1502001 CS_OFFL_SIR_FDM_2_20180713T150214_20180713T1502001 CS_OFFL_SIR_FDM_2_20180713T150214_20180713T1502001 CS_OFFL_SIR_FDM_2_20180713T150214_20180713T1502001 CS_OFFL_SIR_FDM_2_20180713T180919_20180713T1809301_CO01 CS_OFFL_SIR_FDM_2_20180713T180919_20180713T1809301_CO01 CS_OFFL_SIR_FDM_2_20180713T180919_20180713T1809301_CO01 CS_OFFL_SIR_FDM_2_20180713T180919_20180713T1809301_CO01 CS_OFFL_SIR_FDM_2_20180713T1809014_CO01 CS_OFFL_SIR_FDM_2_20180713T1809014_CO01 CS_	CS_OFFL_SIR_FDM_220180713T102020_20180713T102335_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_2_20180713T12253B_20180713T143259_C001  Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag and successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the C	CS_OFFL_SIR_FDM_220180713T113757_20180713T114924_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_2_20180713T134859_20180713T144339_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the		Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
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# 7. QCC Report Analysis

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

Product type	Nb. Products	Nb. QCC Reports	Nb. Valid	Nb. Warnings	Nb. Errors
SIR_FDM_1B	143	143	143	0	0
SIR_FDM_2	141	141	141	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	