



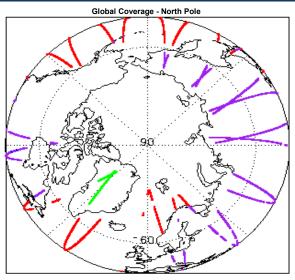
### 1. Overview

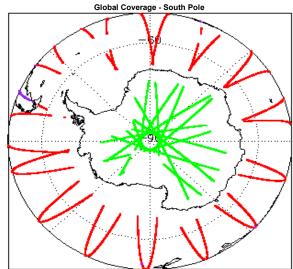
Report Production Date:	27-Mar-2018
Processor Used:	CryoSat Ice Processor
Data Used:	L1 and L2 Fast Delivery Marine (FDM)  Mode and L0 Data

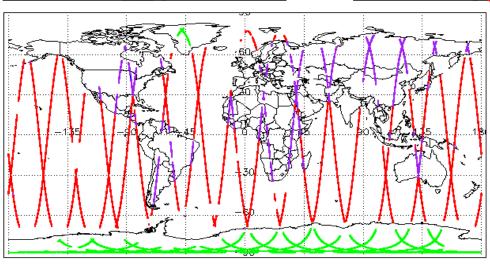
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check	Nominal
Auxiliary Data File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

Mission / Ins	trument News
25-Mar-201	None
26-Mar-201	None
27-Mar-201	Nothing planned

# 2. Global Coverage









### 3. Instrument Configuration

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

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

### 4. Level 0 Data Quality Check

### 4.1 L0 Product Format Check

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

Number of products with errors:

0

### 4.2 L0 Product Header Analysis

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

Product	Test Failed
CS_OPER_SIR1SAR_020180326T113710_20180326T114231_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020180326T145253_20180326T150029_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020180326T182207_20180326T183220_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020180326T052042_20180326T052327_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020180326T195634_20180326T195744_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020180326T000029_20180326T000651_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020180326T225644_20180326T225958_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020180326T195744_20180326T200205_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020180326T215901_20180326T220426_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020180326T164242_20180326T164339_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020180326T014137_20180326T014201_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020180326T014715_20180326T015840_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020180326T123238_20180326T123435_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:

Λ

### 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_20180326T013233_20180326T013601_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20180326T031204_20180326T031304_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20180326T045136_20180326T045200_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20180326T081509_20180326T081716_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_20180326T013233_20180326T013601_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20180326T031204_20180326T031304_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20180326T045136_20180326T045200_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20180326T081509_20180326T081716_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20180326T111739_20180326T112014_C001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_FDM_1B_20180326T225540_20180326T225644_C001	Echo error, TRK echo error	indicating a degraded echo The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo

### 6. Level 2 FDM Data Quality Check

#### 6.1 L2 FDM Product Format Check

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

Number of products with errors:

### 6.2 L2 FDM Product Header Analysis

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

### 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:

39

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220180326T002136_20180326T004905_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_220180326T010507_20180326T012811_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220180326T024058_20180326T031000_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_220180326T031729_20180326T031928_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_220180326T033211_20180326T040713_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_220180326T041932_20180326T042249_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_220180326T042438_20180326T042600_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_220180326T045541_20180326T045821_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_220180326T051209_20180326T052041_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_220180326T052327_20180326T054631_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_220180326T061350_20180326T061958_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220180326T062141_20180326T062624_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_220180326T065101_20180326T072429_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_220180326T074241_20180326T081318_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_220180326T084128_20180326T090349_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_220180326T093637_20180326T094807_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_220180326T101040_20180326T102622_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_220180326T105754_20180326T111736_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220180326T111739_20180326T112014_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_220180326T115905_20180326T122217_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_220180326T133515_20180326T140135_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_220180326T141433_20180326T142625_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220180326T143204_20180326T144908_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_220180326T151149_20180326T151927_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_220180326T153459_20180326T154131_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_220180326T155354_20180326T162758_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_220180326T164147_20180326T164242_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_220180326T170122_20180326T172100_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_220180326T173302_20180326T180743_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_220180326T191349_20180326T194322_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220180326T202201_20180326T203520_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_220180326T205236_20180326T210821_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_220180326T211023_20180326T211944_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_220180326T212306_20180326T213006_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_220180326T214725_20180326T215901_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220180326T221515_20180326T221624_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220180326T223149_20180326T224723_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_220180326T232519_20180326T233230_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_220180326T233240_20180326T235808_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
		1

### 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:

6

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220180326T013233_20180326T013601_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220180326T031204_20180326T031304_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220180326T045136_20180326T045200_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220180326T081509_20180326T081716_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220180326T111739_20180326T112014_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo

### 6.6 L2 FDM Range Measurement Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220180326T002136_20180326T004905_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_220180326T024058_20180326T031000_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_220180326T033211_20180326T040713_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_220180326T045541_20180326T045821_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_220180326T051209_20180326T052041_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_220180326T052327_20180326T054631_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_220180326T062141_20180326T062624_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_220180326T065101_20180326T072429_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_220180326T074241_20180326T081318_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_220180326T084128_20180326T090349_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_220180326T093637_20180326T094807_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_220180326T101040_20180326T102622_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_220180326T111739_20180326T112014_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_220180326T151149_20180326T151927_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_220180326T155354_20180326T162758_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_220180326T173302_20180326T180743_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_220180326T202201_20180326T203520_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_220180326T205236_20180326T210821_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_220180326T211023_20180326T211944_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_220180326T223149_20180326T224723_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_220180326T233240_20180326T235808_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.

# 6.7 L2 FDM SWH and Backscatter Measurement Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220180326T002136_20180326T004905_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_220180326T024058_20180326T031000_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_220180326T033211_20180326T040713_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_220180326T045541_20180326T045821_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_220180326T051209_20180326T052041_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_220180326T052327_20180326T054631_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_220180326T062141_20180326T062624_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_220180326T065101_20180326T072429_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_20180326T074241_20180326T081318_C001  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH indicating the values stored in fields #41, #42, #43 and #44 sh ignored for these records.	ds, ould be
CS_OFFL_SIR_FDM_2_20180326T084128_20180326T090349_C001  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  The master fail flag is set by the CFI call, for one or more reconstitudicating the values stored in fields #41, #42, #43 and #44 shigher from these records.	ould be
CS_OFFL_SIR_FDM_2_20180326T093637_20180326T094807_C001  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  The master fail flag is set by the CFI call, for one or more reconstitution indicating the values stored in fields #41, #42, #43 and #44 shigher flag is set by the CFI call, for one or more reconstitution indicating the values stored in fields #41, #42, #43 and #44 shigher flag is set by the CFI call, for one or more reconstitution indicating the values stored in fields #41, #42, #43 and #44 shigher flag is set by the CFI call, for one or more reconstitution indicating the values stored in fields #41, #42, #43 and #44 shigher flag is set by the CFI call, for one or more reconstitution indicating the values stored in fields #41, #42, #43 and #44 shigher flag is set by the CFI call, for one or more reconstitution indicating the values stored in fields #41, #42, #43 and #44 shigher flag is set by the CFI call, for one or more reconstitution indicating the values stored in fields #41, #42, #43 and #44 shigher flag is set by the CFI call, for one or more reconstitution indicating the values stored in fields #41, #42, #43 and #44 shigher flag is set by the CFI call, for one or more reconstitution indicating the values stored in fields #41, #42, #43 and #44 shigher flag is set by the CFI call, for one or more reconstitution in fields #41, #42, #43 and #44 shigher flag is set by the CFI call, for one or more reconstitution in fields #41, #42, #43 and #44 shigher flag is set by the CFI call, for one or more reconstitution in fields #41, #42, #43 and #44 shigher flag is set by the CFI call, for one or more reconstitution in fields #41, #42, #43 and #44 shigher flag is set by the CFI call, for one or more reconstitution in fields #41, #42, #43 and #44 shigher flag is set by the CFI call, for one or more reconstitution in fields #41, #42, #43 and #44 shigher flag is set by the CFI call, for one or more reconstitution in fields #41, #42, #43 and #44 shigher flag is set by the CFI call, for one or more reco	ould be
CS_OFFL_SIR_FDM_2_20180326T101040_20180326T102622_C001  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  The master fail flag is set by the CFI call, for one or more reconstinguishing the values stored in fields #41, #42, #43 and #44 shipport for these records.	ould be
CS_OFFL_SIR_FDM_2_20180326T111739_20180326T112014_C001  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  The master fail flag is set by the CFI call, for one or more reconstitution indicating the values stored in fields #41, #42, #43 and #44 shipport for these records.	ould be
CS_OFFL_SIR_FDM_2_20180326T151149_20180326T151927_C001  CS_OFFL_SIR_FDM_2_20180326T151149_20180326T151927_C001  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  The master fail flag is set by the CFI call, for one or more reconstitution indicating the values stored in fields #41, #42, #43 and #44 shipping for these records.	
CS_OFFL_SIR_FDM_2_20180326T155354_20180326T162758_C001  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  The master fail flag is set by the CFI call, for one or more reconstitution indicating the values stored in fields #41, #42, #43 and #44 shipport for these records.	ould be
CS_OFFL_SIR_FDM_2_20180326T173302_20180326T180743_C001  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  The master fail flag is set by the CFI call, for one or more reconstined indicating the values stored in fields #41, #42, #43 and #44 shipport for these records.	
CS_OFFL_SIR_FDM_2_20180326T202201_20180326T203520_C001  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  The master fail flag is set by the CFI call, for one or more reconstitudicating the values stored in fields #41, #42, #43 and #44 shipping for these records.	
CS_OFFL_SIR_FDM_2_20180326T205236_20180326T210821_C001  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  The master fail flag is set by the CFI call, for one or more reconstined indicating the values stored in fields #41, #42, #43 and #44 shipport for these records.	
CS_OFFL_SIR_FDM_2_20180326T211023_20180326T211944_C001  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  The master fail flag is set by the CFI call, for one or more reconstined indicating the values stored in fields #41, #42, #43 and #44 shipping for these records.	
CS_OFFL_SIR_FDM_2_20180326T223149_20180326T224723_C001  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  The master fail flag is set by the CFI call, for one or more reconstitudicating the values stored in fields #41, #42, #43 and #44 shigher from the set of t	
CS_OFFL_SIR_FDM_2_20180326T233240_20180326T235808_C001  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  The master fail flag is set by the CFI call, for one or more reconstitudicating the values stored in fields #41, #42, #43 and #44 shigher from these records.	

Ocean Retracking Quality Flag

### 6.8 L2 FDM Ocean Retracking Quality Check

CS OFFL SIR FDM 2 20180326T191349 20180326T194322 C001

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.

imber of products with errors:

**Product** Test Failed CS\_OFFL\_SIR\_FDM\_2\_\_20180326T002136\_20180326T004905\_C001 Ocean Retracking Quality Flag CS OFFL SIR FDM 2 20180326T010507 20180326T012811 C001 Ocean Retracking Quality Flag CS\_OFFL\_SIR\_FDM\_2\_\_20180326T024058\_20180326T031000\_C001 Ocean Retracking Quality Flag  ${\tt CS\_OFFL\_SIR\_FDM\_2\_20180326T031729\_20180326T031928\_C001}$ Ocean Retracking Quality Flag CS\_OFFL\_SIR\_FDM\_2\_\_20180326T033211\_20180326T040713\_C001 Ocean Retracking Quality Flag CS\_OFFL\_SIR\_FDM\_2\_\_20180326T041932\_20180326T042249\_C001 Ocean Retracking Quality Flag CS OFFL SIR FDM 2 20180326T042840 20180326T043237 C001 Ocean Retracking Quality Flag CS\_OFFL\_SIR\_FDM\_2\_\_20180326T045541\_20180326T045821\_C001 Ocean Retracking Quality Flag CS\_OFFL\_SIR\_FDM\_2\_\_20180326T051209\_20180326T052041\_C001 Ocean Retracking Quality Flag  ${\tt CS\_OFFL\_SIR\_FDM\_2\_20180326T052327\_20180326T054631\_C001}$ Ocean Retracking Quality Flag CS\_OFFL\_SIR\_FDM\_2\_\_20180326T061350\_20180326T061958\_C001 Ocean Retracking Quality Flag CS\_OFFL\_SIR\_FDM\_2\_\_20180326T062141\_20180326T062624\_C001 Ocean Retracking Quality Flag CS\_OFFL\_SIR\_FDM\_2\_\_20180326T065101\_20180326T072429\_C001 Ocean Retracking Quality Flag CS\_OFFL\_SIR\_FDM\_2\_\_20180326T074241\_20180326T081318\_C001 Ocean Retracking Quality Flag CS\_OFFL\_SIR\_FDM\_2\_\_20180326T083310\_20180326T084123\_C001 Ocean Retracking Quality Flag CS\_OFFL\_SIR\_FDM\_2\_\_20180326T084128\_20180326T090349\_C001 Ocean Retracking Quality Flag CS\_OFFL\_SIR\_FDM\_2\_\_20180326T093637\_20180326T094807\_C001 Ocean Retracking Quality Flag CS\_OFFL\_SIR\_FDM\_2\_\_20180326T101040\_20180326T102622\_C001 Ocean Retracking Quality Flag CS\_OFFL\_SIR\_FDM\_2\_\_20180326T105754\_20180326T111736\_C001 Ocean Retracking Quality Flag CS\_OFFL\_SIR\_FDM\_2\_\_20180326T111739\_20180326T112014\_C001 Ocean Retracking Quality Flag CS\_OFFL\_SIR\_FDM\_2\_\_20180326T115905\_20180326T122217\_C001 Ocean Retracking Quality Flag CS\_OFFL\_SIR\_FDM\_2\_\_20180326T123509\_20180326T130231\_C001 Ocean Retracking Quality Flag CS\_OFFL\_SIR\_FDM\_2\_\_20180326T133515\_20180326T140135\_C001 Ocean Retracking Quality Flag CS OFFL SIR FDM 2 20180326T151149 20180326T151927 C001 Ocean Retracking Quality Flag CS\_OFFL\_SIR\_FDM\_2\_\_20180326T155354\_20180326T162758\_C001 Ocean Retracking Quality Flag CS\_OFFL\_SIR\_FDM\_2\_\_20180326T173302\_20180326T180743\_C001 Ocean Retracking Quality Flag CS\_OFFL\_SIR\_FDM\_2\_\_20180326T183220\_20180326T183657\_C001 Ocean Retracking Quality Flag CS\_OFFL\_SIR\_FDM\_2\_\_20180326T183736\_20180326T185536\_C001 Ocean Retracking Quality Flag

Description The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more record The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for 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.

CS_OFFL_SIR_FDM_220180326T202201_20180326T203520_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_220180326T205236_20180326T210821_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_220180326T211023_20180326T211944_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_220180326T214725_20180326T215901_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_220180326T223149_20180326T224723_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_220180326T233240_20180326T235808_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_	163	163	163	0	0
SIR1SAR_0_	117	117	117	0	0
SIR1SIN_0_	108	108	108	0	0
SIR2SIN_0_	112	112	112	0	0
SIR_FDM_1B	163	163	163	0	0
SIR FDM 2	161	161	161	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