

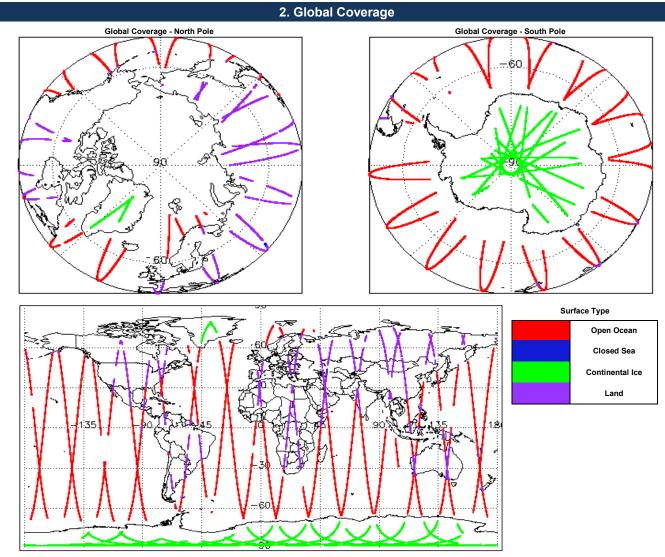
# IDEAS+ Daily Report for FDM data:

# <u>04/03/2018</u>

Report Production Date:	05-Mar-2018	Check	Status	
	03-Wai-2016	Server check: science-pds.cryosat.esa.int	Nominal	
Bassassa u Usask	CryoSat Ice Processor	Server check: calval-pds.cryosat.esa.int	Nominal	
Processor Used:		Product Software Check	Nominal	
Data Used:	L1 and L2 Fast Delivery Marine (FDM)	Product Format Check	Nominal	
	Mode and L0 Data	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	

Overview

Mission / instrument News		
03-Mar-2018	None	
04-Mar-2018	None	
05-Mar-2018	Nothing planned	



## 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).

0

Number of products with errors:

### 4.2 L0 Product Header Analysis

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

Product	Test Failed
CS_OPER_SIR1SAR_020180304T084634_20180304T085348_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020180304T020907_20180304T021345_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020180304T120430_20180304T121151_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020180304T011626_20180304T011816_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020180304T235052_20180304T235214_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020180304T075232_20180304T075559_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020180304T133904_20180304T134252_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020180304T053447_20180304T053624_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).

0

#### 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	n processing.		
Number of products with errors: 3			
Product	Test Failed		
CS_OFFL_SIR_FDM_1B_20180304T020327_20180304T020409_C001	No Star Tracker file used in the processing of this product		
CS_OFFL_SIR_FDM_1B_20180304T033807_20180304T034033_C001	No Star Tracker file used in the processing of this product		
CS_OFFL_SIR_FDM_1B_20180304T051720_20180304T051842_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	en used in processing.		
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-det	termined baseline and also to check the validity of Auxiliary Data Files is correct.		
Number of products with errors: 0			
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: 3

Product	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20180304T020327_20180304T020409_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20180304T033807_20180304T034033_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20180304T051720_20180304T051842_C001	Attitude correction missing	The attitude has not been corrected

# 6. Level 2 FDM Data Quality Check

### 6.1 L2 FDM Product Format Check

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

# Number of products with errors:

### 6.2 L2 FDM Product Header Analysis

For all products, a series of pre-defined checks are carried out on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. Number of products with errors: 0

### 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.

37

0

Number of products with errors:

Product	Test Failed	Description
CS OFFL SIR FDM 2 20180304T005218 20180304T011550 C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
C3_011E_31K_1DM_2201003041003210_201003041011330_0001	Wind Speed	Correction for one or more records
CS OFFL SIR FDM 2 20180304T012853 20180304T015436 C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more
03_011L_311_1D101_2201003041012033_201003041013430_C001	records	records

CS_OFFL_SIR_FDM_220180304T022602_20180304T023726_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_220180304T030740_20180304T032856_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_220180304T032859_20180304T033625_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_220180304T040022_20180304T043335_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_220180304T053907_20180304T061323_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_220180304T071718_20180304T075109_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_220180304T083408_20180304T084119_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_220180304T090002_20180304T090817_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220180304T091258_20180304T093037_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_220180304T094833_20180304T100114_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220180304T100328_20180304T101516_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220180304T103306_20180304T103404_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_220180304T104250_20180304T105220_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_220180304T105456_20180304T110954_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_220180304T114457_20180304T114705_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_220180304T114828_20180304T115541_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_220180304T123147_20180304T124901_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_220180304T130203_20180304T132737_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220180304T140236_20180304T142841_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_220180304T144110_20180304T145318_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_220180304T145854_20180304T151409_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_220180304T153746_20180304T160812_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_220180304T162023_20180304T165531_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_220180304T191336_20180304T192652_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_220180304T193937_20180304T194539_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220180304T194549_20180304T201145_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_220180304T203006_20180304T203706_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_220180304T203730_20180304T210122_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

3

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220180304T020327_20180304T020409_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220180304T033807_20180304T034033_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220180304T051720_20180304T051842_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: 22

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220180304T005218_20180304T011550_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_220180304T022602_20180304T023726_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_220180304T030740_20180304T032856_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_220180304T032859_20180304T033625_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_220180304T040022_20180304T043335_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_220180304T053907_20180304T061323_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_220180304T091258_20180304T093037_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_220180304T104250_20180304T105220_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_220180304T105456_20180304T110954_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_220180304T114457_20180304T114705_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.
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	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.
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 CFI Retracked Range Flag

## 6.7 L2 FDM SWH and Backscatter Measurement Check

22

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_220180304T005218_20180304T011550_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_220180304T022602_20180304T023726_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_220180304T030740_20180304T032856_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_220180304T032859_20180304T033625_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_220180304T040022_20180304T043335_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_220180304T053907_20180304T061323_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_220180304T091258_20180304T093037_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_220180304T104250_20180304T105220_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_220180304T105456_20180304T110954_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_220180304T114457_20180304T114705_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_220180304T114828_20180304T115541_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_220180304T123147_20180304T124901_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_220180304T140236_20180304T142841_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_220180304T153746_20180304T160812_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_220180304T162023_20180304T165531_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_220180304T194549_20180304T201145_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_220180304T211922_20180304T213617_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_220180304T221413_20180304T222556_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_220180304T223215_20180304T224353_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_220180304T225836_20180304T231341_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\_\_20180304T235214\_20180304T235923\_C001

CFI Backscatter Status Flag, SWH Squared Averaging Status Flag

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.

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

Number of products with errors:

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.

Product CS\_OFFL\_SIR\_FDM\_2\_\_20180304T004306\_20180304T005215\_C001 CS OFFL SIR FDM 2 20180304T005218 20180304T011550 C001 CS OFFL SIR FDM 2 20180304T012853 20180304T015436 C001 CS OFFL SIR FDM 2 20180304T022602 20180304T023726 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20180304T030740\_20180304T032856\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20180304T032859\_20180304T033625\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20180304T040022\_20180304T043335\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20180304T053907\_20180304T061323\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20180304T062532\_20180304T064536\_C001 CS OFFL SIR FDM 2 20180304T071718 20180304T075109 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20180304T080450\_20180304T083352\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20180304T090002\_20180304T090817\_C001 CS OFFL SIR FDM 2 20180304T091258 20180304T093037 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20180304T094833\_20180304T100114\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20180304T100328\_20180304T101516\_C001 CS OFFL SIR FDM 2 20180304T104250 20180304T105220 C001 CS OFFL SIR FDM 2 20180304T105456 20180304T110954 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20180304T114457\_20180304T114705\_C001 CS OFFL SIR FDM 2 20180304T114828 20180304T115541 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20180304T123147\_20180304T124901\_C001 CS OFFL SIR FDM 2 20180304T130203 20180304T132737 C001 CS OFFL SIR FDM 2 20180304T140236 20180304T142841 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20180304T145854\_20180304T151409\_C001 CS OFFL SIR FDM 2 20180304T153746 20180304T160812 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20180304T162023\_20180304T165531\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20180304T170947\_20180304T171035\_C001 CS OFFL SIR FDM 2 20180304T173434 20180304T173807 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20180304T180012\_20180304T182255\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20180304T182541\_20180304T183459\_C001 CS OFFL SIR FDM 2 20180304T193937 20180304T194539 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20180304T194549\_20180304T201145\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20180304T203730\_20180304T210122\_C001 CS OFFL SIR FDM 2 20180304T211922 20180304T213617 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20180304T213620\_20180304T213713\_C001 CS OFFL SIR FDM 2 20180304T214057 20180304T214848 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20180304T221022\_20180304T221307\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20180304T221413\_20180304T222556\_C001 CS OFFL SIR FDM 2 20180304T223215 20180304T224353 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20180304T225836\_20180304T231341\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20180304T231521\_20180304T232957\_C001 CS OFFL SIR FDM 2 20180304T235214 20180304T235923 C001

Test Failed 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 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. 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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.

# 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_	170	170	170	0	0
SIR1SAR_0_	122	122	122	0	0
SIR1SIN_0_	109	109	109	0	0
SIR2SIN_0_	115	115	115	0	0
SIR_FDM_1B	170	170	170	0	0
SIR_FDM_2	168	168	168	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	