

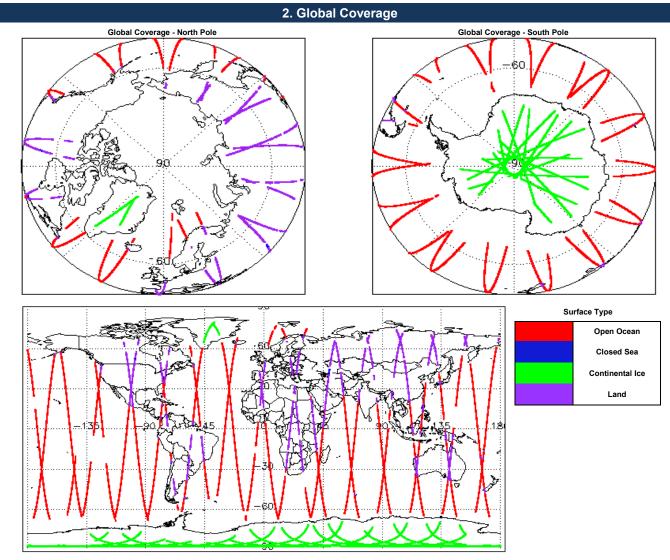
Repor

IDEAS+ Daily Report for FDM data:

<u>02/02/2017</u>

1. Overview			
rt Production Date:	03-Feb-2017	Check	Status
It Flouuction Date.		Server check: science-pds.cryosat.esa.int	Nominal
recessory Lloads	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) Mode and L0 Data	Product Format Check	Nominal
		Product Header Analysis	See Section 4.2
		Star Tracker Usage Check	See Section 5.3
		Calibration Usage Check	Nominal
		Auxiliary Data File Usage Check	Nominal
		Auxiliary Correction Error Check	See Section 6.4
		Measurement Confidence Data Check	See Section 5.7, 6.5, 6.6, 6.7 and 6.8

Mission / Instrument News		
01-Feb-2017	None	
02-Feb-2017	None	
03-Feb-2017	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_020170202T180418_20170202T180632_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020170202T010519_20170202T011308_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020170202T055423_20170202T055619_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020170202T023734_20170202T024429_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020170202T093704_20170202T094108_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020170202T192443_20170202T192712_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020170202T083634_20170202T083940_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_0PER_SIR2SIN_020170202T215227_20170202T215449_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 processing.			
Number of products with errors: 2			
Product	Test Failed		
CS_OFFL_SIR_FDM_1B_20170202T005545_20170202T005710_C001	No Star Tracker file used in the p	rocessing of this product	
CS_OFFL_SIR_FDM_1B_20170202T222557_20170202T222916_C001	No Star Tracker file used in the p	rocessing 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: 0			
5.5 L1B FDM Auxilary Data File Usage Check			
Each product is checked for missing Data Set Descriptors with respect to a pre-deter	mined baseline and also to check the vali	dity of Auxiliary Data Files is correct.	
Number of products with errors: 0			
5.6 L1B FDM Auxiliary Correction Error Check	5.6 L1B FDM Auxiliary Correction Error Check		
CryoSat L1B data includes a correction error flag (field 54) for each measurement rec	ord. The bit value of this flag indicates an	y 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: 2			
Product 1	Fest Failed	Description	
CS_OFFL_SIR_FDM_1B_20170202T005545_20170202T005710_C001	Attitude correction missing	The attitude has not been corrected	

6. Level 2 FDM Data Quality Check

The attitude has not been corrected

Attitude correction missing

6.1 L2 FDM Product Format Check

CS_OFFL_SIR_FDM_1B_20170202T222557_20170202T222916_C001

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:

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: 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.

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0

Product	Test Failed	Description
		There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS OFFL SIR FDM 2 201702021011735 201702021015128 C001		There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220170202T023246_20170202T023426_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records

CS_OFFL_SIR_FDM_2__20170202T025531_20170202T032924_C001 CS_OFFL_SIR_FDM_2__20170202T034509_20170202T041223_C001 CS OFFL SIR FDM 2 20170202T043623 20170202T044639 C001 CS_OFFL_SIR_FDM_2__20170202T045325_20170202T050859_C001 CS OFFL SIR FDM 2 20170202T054154 20170202T055421 C001 CS_OFFL_SIR_FDM_2__20170202T062112_20170202T063043_C001 CS_OFFL_SIR_FDM_2__20170202T063318_20170202T064752_C001 CS_OFFL_SIR_FDM_2__20170202T072654_20170202T073359_C001 CS_OFFL_SIR_FDM_2__20170202T094108_20170202T100640_C001 CS OFFL SIR FDM 2 20170202T101949 20170202T102003 C001 CS_OFFL_SIR_FDM_2__20170202T111918_20170202T113948_C001 CS_OFFL_SIR_FDM_2__20170202T114000_20170202T114618_C001 CS OFFL SIR FDM 2 20170202T120007 20170202T123351 C001 CS_OFFL_SIR_FDM_2__20170202T124814_20170202T124856_C001 CS_OFFL_SIR_FDM_2__20170202T133848_20170202T140121_C001 CS_OFFL_SIR_FDM_2__20170202T140406_20170202T141339_C001 CS_OFFL_SIR_FDM_2__20170202T142535_20170202T142606_C001 CS OFFL SIR FDM 2 20170202T150445 20170202T150519 C001 CS_OFFL_SIR_FDM_2__20170202T151834_20170202T152401_C001 CS_OFFL_SIR_FDM_2__20170202T152411_20170202T154953_C001 CS OFFL SIR FDM 2 20170202T160720 20170202T160742 C001 CS_OFFL_SIR_FDM_2__20170202T160827_20170202T161526_C001 CS OFFL SIR FDM 2 20170202T165746 20170202T171539 C001 CS_OFFL_SIR_FDM_2__20170202T171748_20170202T172709_C001 CS_OFFL_SIR_FDM_2__20170202T174839_20170202T180418_C001 CS_OFFL_SIR_FDM_2__20170202T181038_20170202T182219_C001 CS_OFFL_SIR_FDM_2__20170202T183710_20170202T185207_C001 CS OFFL SIR FDM 2 20170202T193036 20170202T193745 C001 CS_OFFL_SIR_FDM_2__20170202T193908_20170202T194406_C001 CS_OFFL_SIR_FDM_2__20170202T194617_20170202T200307_C001 CS OFFL SIR FDM 2 20170202T201649 20170202T203915 C001 CS_OFFL_SIR_FDM_2__20170202T215514_20170202T222335_C001 CS_OFFL_SIR_FDM_2__20170202T224949_20170202T230413_C001 CS_OFFL_SIR_FDM_2__20170202T233442_20170202T235538_C001 CS_OFFL_SIR_FDM_2__20170202T235603_20170203T000028_C001

There is an error with the Altimetric Wind Speed and Sea State Bias Sea State Bias Correction, Altimetric Nind Speed Sea State Bias Correction Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction. Altimetric Wind Speed Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction, Altimetric Wind Speed Mean Sea Surface height Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction. Altimetric Wind Speed Sea State Bias Correction Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction, Mean Sea Surface height, Altimetric Wind Speed Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction. Altimetric Wind Speed Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction Sea State Bias Correction. Altimetric Wind Speed Sea State Bias Correction. Altimetric Wind Speed Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction, Altimetric Wind Speed

	I here is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
	There is an error with the Sea State Bias Correction for one or more
	records There is an error with the Altimetric Wind Speed and Sea State Bias
	Correction for one or more records
	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
	There is an error with the Altimetric Wind Speed and Sea State Bias
	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
	Correction for one or more records
	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
	There is an error with the Altimetric Wind Speed and Sea State Bias
	Correction for one or more records There is an error with the Mean Sea Surface Height for one or more
	records There is an error with the Altimetric Wind Speed and Sea State Bias
	Correction for one or more records
	There is an error with the Sea State Bias Correction for one or more records
	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
	There is an error with the Altimetric Wind Speed and Sea State Bias
	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
	Correction for one or more records
	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
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	records There is an error with the Altimetric Wind Speed and Sea State Bias
	Correction for one or more records There is an error with the Altimetric Wind Speed, the Sea State Bias
I	Correction and the Mean Sea Surface Height for one or more records
	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
	There is an error with the Altimetric Wind Speed and Sea State Bias
	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
	Correction for one or more records
	There is an error with the Sea State Bias Correction for one or more records
	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
	There is an error with the Altimetric Wind Speed and Sea State Bias
	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
	Correction for one or more records
	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records

6.5 L2 FDM Measurement Confidence Data Check

CryoSat L2 data includes a measurement confidence flag (field 8) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set. Number of products with errors: 2

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220170202T005545_20170202T005710_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220170202T222557_20170202T222916_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: 25

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220170202T025531_20170202T032924_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_220170202T045325_20170202T050859_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_220170202T054154_20170202T055421_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_220170202T062112_20170202T063043_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_220170202T063318_20170202T064752_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20170202T072654_20170202T073359_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_220170202T094108_20170202T100640_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_220170202T111918_20170202T113948_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_220170202T120007_20170202T123351_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_220170202T133848_20170202T140121_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_220170202T140406_20170202T141339_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_220170202T151834_20170202T152401_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_220170202T152411_20170202T154953_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_220170202T165746_20170202T171539_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_220170202T171748_20170202T172709_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_220170202T174839_20170202T180418_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_220170202T181038_20170202T182219_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_220170202T183710_20170202T185207_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_220170202T193036_20170202T193745_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_220170202T193908_20170202T194406_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_220170202T201649_20170202T203915_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_220170202T215514_20170202T222335_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_220170202T224949_20170202T230413_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_220170202T233442_20170202T235538_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_220170202T235603_20170203T000028_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.

6.7 L2 FDM SWH and Backscatter Measurement Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220170202T025531_20170202T032924_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_220170202T045325_20170202T050859_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_220170202T054154_20170202T055421_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_220170202T062112_20170202T063043_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_220170202T063318_20170202T064752_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_220170202T072654_20170202T073359_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_220170202T094108_20170202T100640_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_220170202T111918_20170202T113948_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_220170202T120007_20170202T123351_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_220170202T133848_20170202T140121_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_220170202T140406_20170202T141339_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_220170202T151834_20170202T152401_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_220170202T152411_20170202T154953_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_220170202T165746_20170202T171539_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_220170202T171748_20170202T172709_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_220170202T174839_20170202T180418_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_220170202T181038_20170202T182219_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_220170202T183710_20170202T185207_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_220170202T193036_20170202T193745_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_220170202T193908_20170202T194406_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_220170202T201649_20170202T203915_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_220170202T215514_20170202T222335_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_220170202T224949_20170202T230413_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_220170202T233442_20170202T235538_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_220170202T235603_20170203T000028_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.

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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220170201T233838_20170202T001128_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_220170202T010232_20170202T010410_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_220170202T011735_20170202T015128_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_220170202T020418_20170202T022401_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_220170202T023246_20170202T023426_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_220170202T025531_20170202T032924_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_220170202T034509_20170202T041223_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_220170202T043623_20170202T044639_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_220170202T045120_20170202T045322_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_220170202T045325_20170202T050859_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_220170202T052654_20170202T053940_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_220170202T054154_20170202T055421_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_220170202T062112_20170202T063043_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_220170202T063318_20170202T064752_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_220170202T072107_20170202T072531_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_220170202T072654_20170202T073359_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_220170202T084046_20170202T091525_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_220170202T094108_20170202T100640_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_220170202T101949_20170202T102003_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_220170202T103721_20170202T105239_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_220170202T111918_20170202T113948_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_220170202T120007_20170202T123351_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_220170202T124814_20170202T124856_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_220170202T125843_20170202T130008_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_220170202T133848_20170202T140121_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_220170202T140406_20170202T141339_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_220170202T151834_20170202T152401_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_220170202T152411_20170202T154953_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_220170202T160827_20170202T161526_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_220170202T165746_20170202T171539_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_220170202T171748_20170202T172709_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_220170202T174839_20170202T180418_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_220170202T181038_20170202T182219_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_220170202T183710_20170202T185207_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_220170202T185347_20170202T190457_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_220170202T193036_20170202T193745_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_220170202T193908_20170202T194406_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_220170202T194617_20170202T200307_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_220170202T201649_20170202T203915_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_220170202T205158_20170202T205303_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_220170202T211640_20170202T214156_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_220170202T215514_20170202T222335_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_220170202T224949_20170202T230413_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_220170202T230950_20170202T232040_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_220170202T233442_20170202T235538_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_220170202T235603_20170203T000028_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	Nb. Products	Nb. QCC Reports	Nb. Valid	Nb. Warnings	Nb. Errors
SIR1LRM_0_	170	170	170	0	0
SIR1SAR_0_	130	130	130	0	0
SIR1SIN_0_	110	110	110	0	0
SIR2SIN_0_	115	115	115	0	0
SIR_FDM_1B	170	170	170	0	0
SIR_FDM_2	169	169	169	0	0
Number of QCC reports with en	rrors:	0			
Number of QCC reports with er	rrors:	0			
·		0			
7.2 QCC Warnings	arnings				