

Report Production Date:

Processor Used:

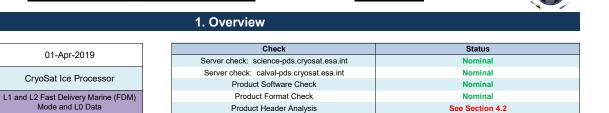
Data Used:

IDEAS+ Daily Report for FDM data:

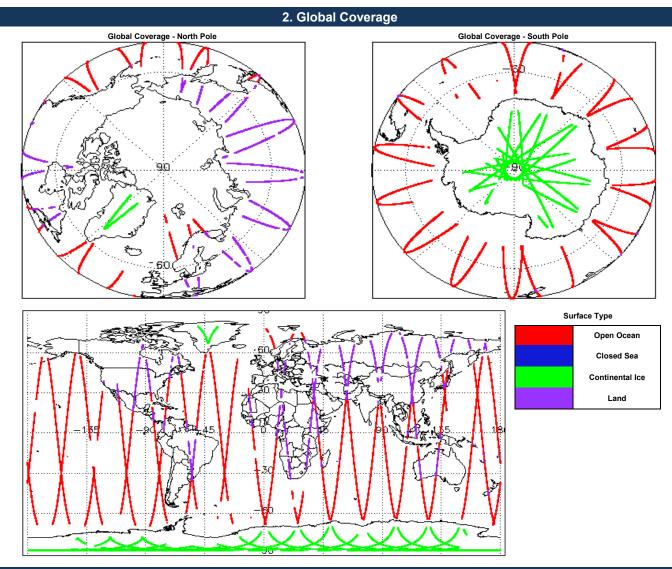
01-Apr-2019

CryoSat Ice Processor

31/03/2019



Data Used:		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
Mission / Ins	trument News				
30-Mar-2019	9 None				
31-Mar-2019	9 None				
01-Apr-2019	9 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 & 2
Star Tracker(s) in use:	Star Tracker 1 & 2

4. Level 0 Data Quality Check

4.1 L0 Product Format Check

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

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.

8

Number of products with errors:

Product	Test Failed
CS_OPER_SIR1SAR_020190331T004436_20190331T005100_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_0_20190331T121957_20190331T122314_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020190331T071100_20190331T071201_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020190331T023057_20190331T023218_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020190331T043302_20190331T043636_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020190331T023536_20190331T023750_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020190331T163913_20190331T163939_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020190331T153508_20190331T153809_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: 0

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.

4

Product	Test Failed
CS_OFFL_SIR_FDM_1B_20190331T071513_20190331T071835_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20190331T085447_20190331T085540_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20190331T103414_20190331T103440_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20190331T135744_20190331T140006_C001	No Star Tracker file used in the processing of this product

5.4 L1B FDM Calibration Usage Check

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

0

0

4

Number of products with errors:

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:

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_20190331T071513_20190331T071835_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20190331T085447_20190331T085540_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20190331T103414_20190331T103440_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20190331T135744_20190331T140006_C001	Attitude correction missing	The attitude has not been corrected

6. Level 2 FDM Data Quality Check

6.1 L2 FDM Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a binary product file (.DBL). Number of products with errors: 0

6.2 L2 FDM Product Header Analysis

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

38

Number of products with errors:

Number of products with errors:	38
Product	
CS_OFFL_SIR_FDM_22019033	1T000631_20190331T001324_C001
CS_OFFL_SIR_FDM_22019033	1T001334_20190331T003940_C001
CS_OFFL_SIR_FDM_22019033	1T005942_20190331T012851_C001
CS_OFFL_SIR_FDM_22019033	1T013211_20190331T013234_C001
CS_OFFL_SIR_FDM_22019033	1T020919_20190331T021631_C001
CS_OFFL_SIR_FDM_22019033	1T024126_20190331T025322_C001
CS_OFFL_SIR_FDM_22019033	1T025537_20190331T031040_C001
CS_OFFL_SIR_FDM_22019033	1T034246_20190331T035737_C001
CS_OFFL_SIR_FDM_22019033	1T042049_20190331T042650_C001
CS_OFFL_SIR_FDM_22019033	1T050539_20190331T052834_C001
CS_OFFL_SIR_FDM_22019033	1T055426_20190331T055512_C001
CS_OFFL_SIR_FDM_22019033	1T060557_20190331T062913_C001
CS_OFFL_SIR_FDM_22019033	1T064430_20190331T071059_C001
CS_OFFL_SIR_FDM_22019033	1T075856_20190331T081056_C001
CS_OFFL_SIR_FDM_22019033	1T082338_20190331T085241_C001
CS_OFFL_SIR_FDM_22019033	1T090009_20190331T090051_C001
CS_OFFL_SIR_FDM_22019033	1T090101_20190331T090208_C001
CS_OFFL_SIR_FDM_22019033	1T091449_20190331T094955_C001
CS_OFFL_SIR_FDM_22019033	1T100213_20190331T100520_C001
CS_OFFL_SIR_FDM_22019033	1T103816_20190331T104051_C001
CS_OFFL_SIR_FDM_22019033	1T110612_20190331T112914_C001
CS_OFFL_SIR_FDM_22019033	1T114112_20190331T115443_C001
CS_OFFL_SIR_FDM_22019033	1T120423_20190331T120904_C001
CS_OFFL_SIR_FDM_22019033	1T123352_20190331T130715_C001
CS_OFFL_SIR_FDM_22019033	1T132030_20190331T132224_C001
CS_OFFL_SIR_FDM_22019033	1T132522_20190331T135546_C001
CS_OFFL_SIR_FDM_22019033	1T141552_20190331T142954_C001
CS_OFFL_SIR_FDM_22019033	1T143046_20190331T144634_C001
CS_OFFL_SIR_FDM_22019033	1T155321_20190331T160907_C001
CS_OFFL_SIR_FDM_22019033	1T161047_20190331T162532_C001
CS_OFFL_SIR_FDM_22019033	1T174200_20190331T180503_C001
CS_OFFL_SIR_FDM_22019033	1T181752_20190331T184657_C001
CS_OFFL_SIR_FDM_22019033	1T191751_20190331T194422_C001
CS_OFFL_SIR_FDM_22019033	1T201444_20190331T203156_C001
CS_OFFL_SIR_FDM_22019033	1T205433_20190331T210503_C001
CS_OFFL_SIR_FDM_22019033	1T211745_20190331T212417_C001
CS_OFFL_SIR_FDM_22019033	1T213638_20190331T221041_C001
CS_OFFL_SIR_FDM_22019033	1T231545_20190331T235023_C001

Test Failed	iana Altinaatuia	Description
Sea State Bias Correcti Wind Speed	ion, Alumetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Bias Correcti	ion, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed		Correction for one or more records
Sea State Bias Correcti Wind Speed	ion, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Bias Correcti	ion	There is an error with the Sea State Bias Correction for one or more records
Sea State Bias Correcti	ion	There is an error with the Sea State Bias Correction for one or more records
Sea State Bias Correcti Wind Speed	ion, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Bias Correcti Wind Speed	ion, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Bias Correcti Wind Speed	ion, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Bias Correcti Wind Speed	ion, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Bias Correcti	ion	There is an error with the Sea State Bias Correction for one or more records
Sea State Bias Correcti Wind Speed	ion, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Bias Correcti Wind Speed	ion, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Bias Correcti	ion	There is an error with the Sea State Bias Correction for one or more records
Sea State Bias Correcti Wind Speed	ion, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Bias Correcti Wind Speed	ion, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Bias Correcti Wind Speed	ion, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Bias Correcti Wind Speed	ion, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Bias Correcti Wind Speed	ion, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Bias Correct Wind Speed	ion, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Bias Correcti Wind Speed	ion, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Bias Correcti Wind Speed	ion, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Bias Correct Wind Speed	ion, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Bias Correct Wind Speed	ion, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Bias Correcti Wind Speed	·	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Bias Correcti Wind Speed		There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Bias Correcti Wind Speed		There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Bias Correcti Wind Speed	ion, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Bias Correcti		There is an error with the Sea State Bias Correction for one or more records
Sea State Bias Correcti Wind Speed	,	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Bias Correcti Wind Speed	ion, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Bias Correcti Wind Speed	ion, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Bias Correcti	ion	There is an error with the Sea State Bias Correction for one or more records
Sea State Bias Correcti Wind Speed	ion, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Bias Correcti Wind Speed	ion, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Bias Correcti Wind Speed	ion, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Bias Correcti Wind Speed	ion, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Bias Correcti	ion	There is an error with the Sea State Bias Correction for one or more records
Sea State Bias Correcti Wind Speed	ion, Altimetric	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: 4

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220190331T071513_20190331T071835_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220190331T085447_20190331T085540_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220190331T103414_20190331T103440_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220190331T135744_20190331T140006_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: 20

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220190331T000631_20190331T001324_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_220190331T001334_20190331T003940_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_220190331T005942_20190331T012851_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_220190331T024126_20190331T025322_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_220190331T025537_20190331T031040_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_220190331T034246_20190331T035737_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_220190331T055426_20190331T055512_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_220190331T060557_20190331T062913_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_220190331T082338_20190331T085241_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_220190331T090009_20190331T090051_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_220190331T091449_20190331T094955_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_220190331T110612_20190331T112914_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_220190331T123352_20190331T130715_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_220190331T132522_20190331T135546_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_220190331T141552_20190331T142954_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_220190331T155321_20190331T160907_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_220190331T191751_20190331T194422_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_220190331T201444_20190331T203156_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_220190331T205433_20190331T210503_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_220190331T231545_20190331T235023_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

20

Number of products with errors:

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.

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220190331T000631_20190331T001324_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_220190331T001334_20190331T003940_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_220190331T005942_20190331T012851_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_220190331T024126_20190331T025322_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_220190331T025537_20190331T031040_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_220190331T034246_20190331T035737_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_220190331T055426_20190331T055512_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_220190331T060557_20190331T062913_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_220190331T082338_20190331T085241_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_220190331T090009_20190331T090051_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_220190331T091449_20190331T094955_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_220190331T110612_20190331T112914_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_220190331T123352_20190331T130715_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_220190331T132522_20190331T135546_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_220190331T141552_20190331T142954_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_220190331T155321_20190331T160907_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_220190331T191751_20190331T194422_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_220190331T201444_20190331T203156_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_220190331T205433_20190331T210503_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_220190331T231545_20190331T235023_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.

6.8 L2 FDM Ocean Retracking Quality Check

CryoSat L2 data includes an ocean retracking quality flag (field 66) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

 Number of products with errors:
 39

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220190331T000631_20190331T001324_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_220190331T001334_20190331T003940_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_220190331T005942_20190331T012851_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_220190331T020919_20190331T021631_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_220190331T024126_20190331T025322_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_220190331T025537_20190331T031040_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_220190331T032606_20190331T034106_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_220190331T034246_20190331T035737_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_220190331T042049_20190331T042650_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_220190331T043637_20190331T045235_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_220190331T050539_20190331T052834_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_220190331T055426_20190331T055512_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_220190331T060557_20190331T062913_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_220190331T064430_20190331T071059_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_220190331T075856_20190331T081056_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_220190331T082338_20190331T085241_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_220190331T090009_20190331T090051_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_220190331T091449_20190331T094955_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_220190331T110612_20190331T112914_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_220190331T120423_20190331T120904_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_220190331T123352_20190331T130715_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_220190331T132522_20190331T135546_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_220190331T141552_20190331T142954_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_220190331T143046_20190331T144634_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_220190331T150254_20190331T151257_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_220190331T151917_20190331T153043_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_220190331T155321_20190331T160907_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_220190331T161047_20190331T162532_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_220190331T163940_20190331T170253_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_220190331T170415_20190331T171243_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_220190331T174200_20190331T180503_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_220190331T181752_20190331T184657_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_220190331T191751_20190331T194422_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_220190331T195716_20190331T200906_C001	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_220190331T201444_20190331T203156_C001	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_220190331T205433_20190331T210503_C001	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_220190331T213638_20190331T221041_C001	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_220190331T223154_20190331T223243_C001	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_220190331T231545_20190331T235023_C001	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_	164	164	164	0	0
SIR1SAR_0_	132	132	132	0	0
SIR1SIN_0_	110	110	110	0	0
SIR2SIN_0_	116	116	116	0	0
SIR_FDM_1B	164	164	164	0	0
SIR_FDM_2	162	162	162	0	0

7.1 QCC Errors

Number of QCC reports with errors:

7.2 QCC Warnings			
Number of QCC reports with warnings	0		
7.3 Missing QCC Reports			

0

0

Number of products with missing QCC reports: