

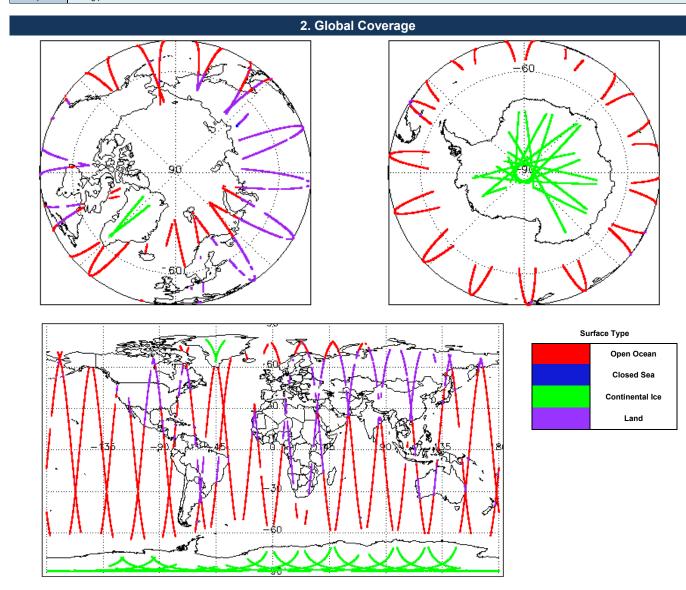
QA4EO Daily Report for FDM data:

<u>17/09/2020</u>

Demant Durahustian Datas	40.0 0000	Check	Status
Report Production Date:	18-Sep-2020	Server check: science-pds.cryosat.esa.int	Nominal
		Server check: calval-pds.cryosat.esa.int	Nominal
Processor Used:	CryoSat Ice Processor	Product Software Check	Nominal
L1 and L2 Fast Delivery Marine (FDM)	L1 and L2 Fast Delivery Marine (FDM)	Product Format Check	Nominal
Data Used:	Mode and L0 Data	Product Header Analysis	See Section 4.2, 5.2 and 6.2
		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
		QCC Error/ Warning Check	See Section 7.1 and 7.2

1. Overview

18-Sep-2020 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).

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.

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Number of products with errors:

Product	Test Failed
CS_OPER_SIR1SAR_0_20200917T050154_20200917T050724_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020200917T163514_20200917T164230_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020200917T195217_20200917T195846_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020200917T004835_20200917T005421_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020200917T015532_20200917T015654_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020200917T190857_20200917T191215_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020200917T023027_20200917T023207_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020200917T155300_20200917T155443_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020200917T162441_20200917T163514_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.

5. Level 1B FDM Data Quality Check

5.1 L1B FDM Product Format Check

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

5.2 L1B FDM Product Header Analysis

For all products, a series of pre-defined checks are carried out on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. Number of products with errors: 20

Product	Test Failed
CS_OFFL_SIR_FDM_1B_20200917T031815_20200917T031944_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200917T031944_20200917T032047_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200917T045230_20200917T045531_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200917T045531_20200917T045907_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200917T063155_20200917T063250_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200917T063250_20200917T063310_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200917T081211_20200917T081223_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200917T151808_20200917T153926_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200917T153944_20200917T154001_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200917T154540_20200917T154909_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200917T154917_20200917T154926_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200917T154932_20200917T155259_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200917T155634_20200917T162203_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200917T162206_20200917T162207_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200917T162211_20200917T162319_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200917T162322_20200917T162351_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200917T162355_20200917T162424_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200917T162432_20200917T162433_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200917T162435_20200917T162435_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200917T162437_20200917T162441_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).

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.

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Number of products with errors:

Product	Test Failed
CS_OFFL_SIR_FDM_1B_20200917T031815_20200917T031944_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20200917T045230_20200917T045531_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20200917T063155_20200917T063250_C001	No Star Tracker file used in the processing of this product

5.4 L1B FDM Calibration Usage Check

Each product is checked in order to ensure the necessary calibration files have been used in processing. Number of products with errors:

5.5 L1B FDM Auxilary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct. 0 Number of products with errors:

5.6 L1B FDM Auxiliary Correction Error Check

CryoSat L1B data includes a correction error flag (field 54) for each measurement record. The bit value of this flag indicates any problems when set. Number of products with errors: 0

5.7 L1B FDM Measurement Confidence Data Check

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

5

Number of	products w	ith errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20200916T235506_20200917T000057_C001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_FDM_1B_20200917T031815_20200917T031944_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20200917T045230_20200917T045531_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20200917T063155_20200917T063250_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20200917T125638_20200917T131247_C001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo

6. Level 2 FDM Data Quality Check

6.1 L2 FDM Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a binary product file (.DBL). Number of products with errors: 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:
 36

Product	Test Failed
CS_OFFL_SIR_FDM_220200917T000930_20200917T001343_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220200917T001456_20200917T002842_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220200917T031815_20200917T031944_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200917T031944_20200917T032047_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200917T041416_20200917T041844_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220200917T045230_20200917T045531_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200917T045531_20200917T045907_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200917T051629_20200917T051840_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220200917T063155_20200917T063250_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200917T063250_20200917T063310_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200917T063828_20200917T064011_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200917T075148_20200917T075635_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220200917T081211_20200917T081223_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220200917T082800_20200917T084045_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220200917T091249_20200917T091656_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220200917T113420_20200917T113837_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220200917T115358_20200917T120605_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220200917T123100_20200917T123111_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220200917T132544_20200917T133921_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220200917T143917_20200917T145317_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220200917T151808_20200917T153926_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220200917T153944_20200917T154001_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200917T154540_20200917T154909_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220200917T154917_20200917T154926_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200917T154932_20200917T155259_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220200917T155634_20200917T162203_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200917T162206_20200917T162207_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200917T162211_20200917T162319_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200917T162322_20200917T162351_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200917T162355_20200917T162424_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200917T162437_20200917T162441_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220200917T173611_20200917T180945_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220200917T201318_20200917T201503_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220200917T204245_20200917T204753_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220200917T205454_20200917T213018_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220200917T225557_20200917T231018_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.

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

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Product	
	_20200917T001456_20200917T002842_C001
CS_OFFL_SIR_FDM_2	_20200917T003656_20200917T004742_C001
CS_OFFL_SIR_FDM_2	_20200917T010431_20200917T011028_C001
CS_OFFL_SIR_FDM_2	_20200917T011038_20200917T011820_C001
CS_OFFL_SIR_FDM_2	_20200917T012000_20200917T013522_C001
CS_OFFL_SIR_FDM_2	_20200917T015654_20200917T020008_C001
CS_OFFL_SIR_FDM_2	_20200917T020527_20200917T021015_C001
CS_OFFL_SIR_FDM_2	_20200917T024421_20200917T030532_C001
CS_OFFL_SIR_FDM_2	_20200917T031815_20200917T031944_C001
CS_OFFL_SIR_FDM_2	_20200917T031944_20200917T032047_C001
CS_OFFL_SIR_FDM_2	_20200917T034448_20200917T040743_C001
CS_OFFL_SIR_FDM_2	_20200917T042355_20200917T044823_C001
CS_OFFL_SIR_FDM_2	_20200917T045531_20200917T045907_C001
CS_OFFL_SIR_FDM_2	_20200917T045938_20200917T050117_C001
CS_OFFL_SIR_FDM_2	_20200917T051629_20200917T051840_C001
CS_OFFL_SIR_FDM_2	_20200917T052005_20200917T054547_C001
CS_OFFL_SIR_FDM_2	_20200917T060252_20200917T062155_C001
CS_OFFL_SIR_FDM_2	_20200917T062220_20200917T062744_C001
CS_OFFL_SIR_FDM_2	_20200917T063828_20200917T064011_C001
CS_OFFL_SIR_FDM_2	_20200917T064032_20200917T064038_C001
CS_OFFL_SIR_FDM_2	_20200917T065154_20200917T072511_C001
CS_OFFL_SIR_FDM_2	_20200917T081520_20200917T081930_C001
CS_OFFL_SIR_FDM_2	_20200917T084332_20200917T090444_C001
CS_OFFL_SIR_FDM_2	_20200917T092217_20200917T093202_C001
CS_OFFL_SIR_FDM_2	_20200917T094150_20200917T094624_C001
CS_OFFL_SIR_FDM_2	_20200917T100839_20200917T104312_C001
CS_OFFL_SIR_FDM_2	_20200917T110242_20200917T111512_C001
CS_OFFL_SIR_FDM_2	_20200917T111517_20200917T113253_C001
CS_OFFL_SIR_FDM_2	_20200917T115358_20200917T120605_C001
CS_OFFL_SIR_FDM_2	_20200917T120810_20200917T122248_C001
CS_OFFL_SIR_FDM_2	_20200917T124008_20200917T125019_C001
CS_OFFL_SIR_FDM_2	_20200917T125638_20200917T131247_C001
CS_OFFL_SIR_FDM_2	_20200917T134809_20200917T140125_C001
CS_OFFL_SIR_FDM_2	_20200917T141750_20200917T143914_C001
CS_OFFL_SIR_FDM_2	_20200917T143917_20200917T145317_C001
CS_OFFL_SIR_FDM_2	_20200917T151808_20200917T153926_C001
CS_OFFL_SIR_FDM_2	_20200917T153944_20200917T154001_C001
CS_OFFL_SIR_FDM_2	_20200917T162211_20200917T162319_C001
CS_OFFL_SIR_FDM_2	_20200917T164230_20200917T164531_C001
CS_OFFL_SIR_FDM_2	_20200917T165612_20200917T171950_C001
CS_OFFL_SIR_FDM_2	_20200917T173611_20200917T180945_C001
CS_OFFL_SIR_FDM_2	_20200917T183519_20200917T183626_C001
CS_OFFL_SIR_FDM_2	_20200917T191631_20200917T194906_C001
CS_OFFL_SIR_FDM_2	_20200917T200106_20200917T200306_C001
CS_OFFL_SIR_FDM_2	_20200917T205454_20200917T213018_C001
CS_OFFL_SIR_FDM_2	_20200917T214029_20200917T214216_C001
CS_OFFL_SIR_FDM_2	_20200917T215749_20200917T221527_C001
CS_OFFL_SIR_FDM_2	_20200917T223436_20200917T224929_C001
CS_OFFL_SIR_FDM_2	_20200917T225557_20200917T231018_C001
CS_OFFL_SIR_FDM_2	_20200917T232232_20200917T234053_C001

Test Failed			De
Sea State Bias Wind Speed	Correction, A	ltimetric	Th Cc
Sea State Bias	Correction, A	ltimetric	Th
Wind Speed Sea State Bias	Correction, A	ltimetric	Cc Th
Wind Speed Sea State Bias			Cc Th
Wind Speed			Сс
Sea State Bias Wind Speed	Correction, A	ltimetric	Th Cc
Sea State Bias Wind Speed	Correction, A	ltimetric	Th Cc
Sea State Bias	Correction, A	ltimetric	Th
Wind Speed Sea State Bias	Correction, A	ltimetric	Cc Th
Wind Speed Sea State Bias			Cc Th
Wind Speed			Сс
Sea State Bias Wind Speed	Correction, A	ltimetric	Th Cc
Sea State Bias Wind Speed	Correction, A	ltimetric	Th Cc
Sea State Bias	Correction, A	ltimetric	Th
Wind Speed Sea State Bias	Correction		Cc Th
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Wind Speed			Cc
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Sea State Bias Wind Speed	Correction, A	ltimetric	Th Cc
Sea State Bias	Correction, A	ltimetric	Th Cc
Wind Speed Sea State Bias	Correction, A	ltimetric	Th
Wind Speed Sea State Bias	Correction, A	ltimetric	Cc Th
Wind Speed Sea State Bias	Correction A	Itimetric	Cc Th
Wind Speed			Сс
Sea State Bias Wind Speed	Correction, A	ltimetric	Th Cc
Sea State Bias Wind Speed	Correction, A	ltimetric	Th Cc
Sea State Bias	Correction, A	ltimetric	Th
Wind Speed Sea State Bias	Correction, A	ltimetric	Cc Th
Wind Speed Sea State Bias	Correction. A	ltimetric	Cc Th
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Sea State Bias	Correction, A	ltimetric	Th
Wind Speed Sea State Bias	Correction, A	ltimetric	Cc Th
Wind Speed Sea State Bias	Correction. A	ltimetric	Cc Th
Wind Speed			Co
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Sea State Bias Wind Speed	Correction, A	ltimetric	Th Cc
Sea State Bias	Correction		Th rea
Sea State Bias	Correction, A	ltimetric	Th
Wind Speed Sea State Bias	Correction, A	ltimetric	Cc Th
Wind Speed Sea State Bias	Correction A	ltimetric	Cc Th
Wind Speed			Co
Sea State Bias Wind Speed	orrection, A	aumetric	Th Cc
Sea State Bias Wind Speed	Correction, A	ltimetric	Th Cc
Sea State Bias Wind Speed	Correction, A	ltimetric	Th Cc
Sea State Bias	Correction		Th
Sea State Bias		Itimetric	reo Th
Wind Speed Sea State Bias			Cc Th
Wind Speed	oouon, A		Сс
Mean Sea Surfa	ice height		Th rea
Sea State Bias Wind Speed	Correction, A	ltimetric	Th Cc
Sea State Bias	Correction, A	ltimetric	Th
Wind Speed Sea State Bias	Correction, A	ltimetric	Cc Th
Wind Speed Sea State Bias	Correction. A	ltimetric	Cc Th
Wind Speed			Cc
Sea State Bias			rea
Sea State Bias Wind Speed	Correction, A		Th Cc

Description	
There is an error with the Altimetric Wind Spe Correction for one or more records	eed and Sea State Bias
There is an error with the Altimetric Wind Spe	ed and Sea State Bias
Correction for one or more records There is an error with the Altimetric Wind Spe	and and Saa State Pice
Correction for one or more records	
There is an error with the Altimetric Wind Spe Correction for one or more records	eed and Sea State Bias
There is an error with the Altimetric Wind Spe	ed and Sea State Bias
Correction for one or more records	
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There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records

Sea State Bias Correction, Altimetric Wind Speed

6.5 L2 FDM Measurement Confidence Data Check

5

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_220200916T235506_20200917T000057_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220200917T031815_20200917T031944_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220200917T045230_20200917T045531_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220200917T063155_20200917T063250_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220200917T125638_20200917T131247_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo

6.6 L2 FDM Range Measurement Check

CryoSat L2 data includes a CFI (field 17) and OCOG (field 22) Range Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set. Number of products with errors: 32

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Product CS_OFFL_SIR_FDM_220200917T003656_20200917T004742_C001	CFI Retracked Range Flag	Description 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_220200917T011038_20200917T011820_C001		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_220200917T012000_20200917T013522_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_220200917T020527_20200917T021015_C001		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_220200917T031815_20200917T031944_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_220200917T031944_20200917T032047_C001		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_220200917T034448_20200917T040743_C001		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_220200917T042355_20200917T044823_C001		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_220200917T051629_20200917T051840_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_220200917T060252_20200917T062155_C001	0 0	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_220200917T062220_20200917T062744_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_220200917T065154_20200917T072511_C001	0 0	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_220200917T084332_20200917T090444_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_220200917T092217_20200917T093202_C001		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_220200917T100839_20200917T104312_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_220200917T110242_20200917T111512_C001		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_220200917T115358_20200917T120605_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_220200917T120810_20200917T122248_C001		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_220200917T124008_20200917T125019_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_220200917T125638_20200917T131247_C001		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_220200917T134809_20200917T140125_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_220200917T143917_20200917T145317_C001		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_220200917T151808_20200917T153926_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_220200917T162211_20200917T162319_C001		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_220200917T164230_20200917T164531_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_220200917T183519_20200917T183626_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_220200917T191631_20200917T194906_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_220200917T205454_20200917T213018_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_220200917T215749_20200917T221527_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_220200917T223436_20200917T224929_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_220200917T232232_20200917T234053_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_20200917T234216_20200917T235611_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_220200917T003656_20200917T004742_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_20200917T011038_20200917T011820_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_220200917T012000_20200917T013522_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_20200917T020527_20200917T021015_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_20200917T031815_20200917T031944_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_220200917T031944_20200917T032047_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_220200917T034448_20200917T040743_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_220200917T042355_20200917T044823_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_220200917T051629_20200917T051840_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_220200917T060252_20200917T062155_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_220200917T062220_20200917T062744_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_220200917T065154_20200917T072511_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_220200917T084332_20200917T090444_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_220200917T092217_20200917T093202_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_220200917T100839_20200917T104312_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_220200917T110242_20200917T111512_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_220200917T115358_20200917T120605_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_220200917T120810_20200917T122248_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_220200917T124008_20200917T125019_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_220200917T125638_20200917T131247_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_220200917T134809_20200917T140125_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_220200917T143917_20200917T145317_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_220200917T151808_20200917T153926_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_220200917T162211_20200917T162319_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_220200917T164230_20200917T164531_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_220200917T183519_20200917T183626_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_220200917T191631_20200917T194906_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_220200917T205454_20200917T213018_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_220200917T215749_20200917T221527_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_220200917T223436_20200917T224929_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_220200917T232232_20200917T234053_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_220200917T234216_20200917T235611_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:
 47

Cal, DFL_SRE_FDM_2_00009171001420_2000917100342_0001 Oscin Removing Quarty Rigg The Oscin Removing Quarty Rigg The Oscin Removing Quarty Rigg CS_DFL_SRE_FDM_2_00009171010382_0001 Oscin Removing Quarty Rigg The Oscin Removing Quarty Rigg The Oscin Removing Quarty Rigg CS_DFL_SRE_FDM_2_00009171010382_0001 Oscin Removing Quarty Rigg The Oscin Removing Quarty Rigg The Oscin Removing Quarty Rigg CS_DFL_SRE_FDM_2_00009171010382_0001 Oscin Removing Quarty Rigg The Oscin Removing Qua	Product	Test Failed	Description
C8. OFTL_SIR_FDM_2_2020017100356, 20200171701472, C001 Ocean Retracting Quarty Flag The O	CS_OFFL_SIR_FDM_220200917T001456_20200917T002842_C001	Ocean Retracking Quality Flag	
0.30 //TL_30F_LDM_2_000001/10/1103_02.0001 Loosen Retracking Quality Fiag Redracker was not accounted for early and models of the Choosen Retracking Quality Fiag The Coasen Retracking Quality Fiag and indicating the Ch Osen Retracking Quality Fiag 0.50 //FL_SIR_FDM_2_000001/T0101954_020001 Osen Retracking Quality Fiag The Osen Retracking Quality Fiag and indicating the Ch Osen Retracking Quality Fiag and Retracking Quality Fiag and Retracking Quality Fiag The Osen Retracking Quality Fiag The Osen Retracking Quality Fiag and Retracking Quality Fiag The Osen Retracking Quality Fiag and Retracking Quality Fiag The Osen Retracking Quality Fiag The Osen Retracking Quality Fiag and Retracking Quality Fiag The Osen Retracking Quality Fiag and Retracking Quality Fiag The Osen Retracking Quality Fiag and Retrack	CS_OFFL_SIR_FDM_220200917T003656_20200917T004742_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
Corp TL, Siler, FuX, 2, 2020917101502, 2020917102000, 202091 Coesin Netracking Quality Fiag The Cocan	CS_OFFL_SIR_FDM_2_20200917T011038_20200917T011820_C001	Ocean Retracking Quality Flag	
S., D.F.L., S.M., F.M. 2. 20200917102044, 202009171046743, 2001 Ocean Retracking Quality Flag The Ocean Retr	CS_OFFL_SIR_FDM_220200917T012000_20200917T013522_C001	Ocean Retracking Quality Flag	
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CS_OFFL_SIR_FDMOX00017104448	CS_OFFL_SIR_FDM_220200917T031944_20200917T032047_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_a2020017T04253_2020017T04507_0001 Coal Retracking Quality Flag Retracker van oft successfuly executed for one or more records. CS_OFFL_SIR_FDM_2_2020017T04501_0001 Coan Retracking Quality Flag Retracker van oft successfuly executed for one or more records. CS_OFFL_SIR_FDM_2_2020017T051640_0001 Coan Retracking Quality Flag Retracker van oft successfuly executed for one or more records. CS_OFFL_SIR_FDM_2_2020017T06225_00001 Coan Retracking Quality Flag Retracker van oft successfuly executed for one or more records. CS_OFFL_SIR_FDM_2_2020017T06225_00001 Coan Retracking Quality Flag Retracker van oft successfuly executed for one or more records. CS_OFFL_SIR_FDM_2_2020017T062154_00001 Coan Retracking Quality Flag Retracker van oft successfuly executed for one or more records. CS_OFFL_SIR_FDM_2_2020017T06280_0020017702511_0001 Coan Retracking Quality Flag Retracker van oft successfuly executed for one or more records. CS_OFFL_SIR_FDM_2_2020017T06280_20001 Coan Retracking Quality Flag Retracker van oft successfuly executed for one or more records. CS_OFFL_SIR_FDM_2_2020017T092217_0200017T09440_0001 Coan Retracking Quality Flag Retracker van oft successfuly executed for one or more records. CS_OFFL_SIR_FDM_2_2020017T092310_200017T09440_0001 Coan Retracking Quality Flag Retracker van oft successfuly executed for one or more reco	CS_OFFL_SIR_FDM_220200917T034448_20200917T040743_C001	Ocean Retracking Quality Flag	
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CS_DFFL_SIR_FDM_2_20200917108162_0000917108162_0000 Ocean Retracker year not successfully executed for one or more records. CS_OFFL_SIR_FDM_2_202009177062126_002009171062155_0001 Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. CS_OFFL_SIR_FDM_2_202009177062126_002009171062156_0001 Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. CS_OFFL_SIR_FDM_2_202009177062126_00200917706211_0001 Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. CS_OFFL_SIR_FDM_2_202009177082800_00200917708244_0001 Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. CS_OFFL_SIR_FDM_2_202009177082800_00200917708444_0001 Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. CS_OFFL_SIR_FDM_2_20200917708432_002009177084407_0001 Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. CS_OFFL_SIR_FDM_2_202009177084350_02009177094107_C001 Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. CS_OFFL_SIR_FDM_2_2020091771083350_020091771094312_C001 Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. CS_OFFL_SIR_FDM_2_2020091771108335_0200091771094424_0001 Ocean Retracking	CS_OFFL_SIR_FDM_220200917T045531_20200917T045907_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_202009171062220_20200917105214_C001 Orean Retracking Quality Filis at Michards the CFI Ocean Retracki	CS_OFFL_SIR_FDM_2_20200917T051629_20200917T051840_C001	Ocean Retracking Quality Flag	
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CS_OFFL_SIR_FDM_2_202009171094322_202009171090442_0001 Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. CS_OFFL_SIR_FDM_2_20200917T093202_0001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is 20200917T094107_004107_00410 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is 20200917T1094624_0001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is 20200917T1094624_0001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is 20200917T11041312_0001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is 20200917T111512_0001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is 20200917T111512_000917T11152_000917T11152_000917T11152_000917T11152_000917T11152_0001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is 20200917T110605_001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is 20200917T1120610_20200917T1120610_20200917T1120610_001 Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is 20200917T120	CS_OFFL_SIR_FDM_220200917T082800_20200917T084045_C001	Ocean Retracking Quality Flag	
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	CS_OFFL_SIR_FDM_220200917T151808_20200917T153926_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
	CS_OFFL_SIR_FDM_220200917T155634_20200917T162203_C001	Ocean Retracking Quality Flag	

CS_OFFL_SIR_FDM_220200917T162211_20200917T162319_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_220200917T164230_20200917T164531_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_220200917T165612_20200917T171950_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_220200917T173611_20200917T180945_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_220200917T182127_20200917T182843_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_220200917T183519_20200917T183626_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_220200917T191631_20200917T194906_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_220200917T205454_20200917T213018_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_220200917T215749_20200917T221527_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_220200917T223436_20200917T224929_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_220200917T225557_20200917T231018_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_220200917T232232_20200917T234053_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_220200917T234216_20200917T235611_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_	163	163	163	0	0
SIR1SAR_0_	105	105	105	0	0
SIR1SIN_0_	107	107	107	0	0
SIR2SIN_0_	109	109	109	0	0
SIR_FDM_1B	163	163	3	0	160
SIR_FDM_2	160	160	92	68	0

7.1 QCC Errors Number of QCC reports with errors: 160 Total number of occurrences of each error Product Type SIR_FDM_1B UVOB 160 Test Description Key: Abbreviation UVOB Test name UnitVectorOrBlank_6 Details The three array elements should form a unit vector (using a scale factor of 10^-6)

7.2 QCC Warnings

Number of QCC	reports with w	arnings	219								
	Total number of occurrences of each warning										
Product Type	MVSIO	MVSIOFD	RAGCOFOFD	RBSZO	RBSZOFD	REOTO	RSSBCO	-	-	-	-
SIR_FDM_1B	0	0	2	0	0	0	0				
SIR_FDM_2_	50	47	0	37	50	19	14				
Test Description	Test Description Key:										
Abbreviation	Test na	me		Details							
MVSIO	MissingV	alueShortIntOcea	n	The value should not be a 'missing value' for surface type 0 only							
MVSIOFD	MissingV	alueShortIntOcea	nFD2	The value should not be a 'missing value' for surface type 0 only							
RAGCOFOFD	RangeA0	GCOrFlaggedOcea	anFD3	The AGC should be between 0 and 6200 or the AGC_Inconsistency flag should be set for surface type = ocean							
RBSZO	RangeBa	ckscatterSigmaZ	eroOcean	The backscatter sigma zero should be between 700 and 3000 (or missing) for surface type = ocean							
RBSZOFD	RangeBa	ckscatterSigmaZ	eroOceanFD2	The backscatter sigma zero should be between 700 and 3000 (or missing) for surface type = ocean							
REOTO	RangeEc	uilibriumOceanTi	deOcean	The long period equilibrium ocean tide should be between -50mm and 50mm (or missing) for surface type = ocean							
RSSBCO	RangeSe	aStateBiasCorrec	tionOcean	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean							

7.3 Missing QCC Reports

Number of products with missing QCC reports: