

Report Production Date:

Processor Used:

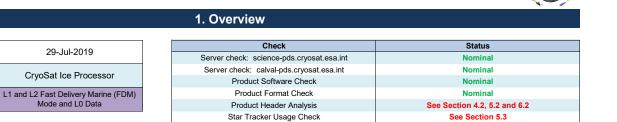
Data Used:

IDEAS+ Daily Report for FDM data:

<u>26/07/2019</u>

Nominal

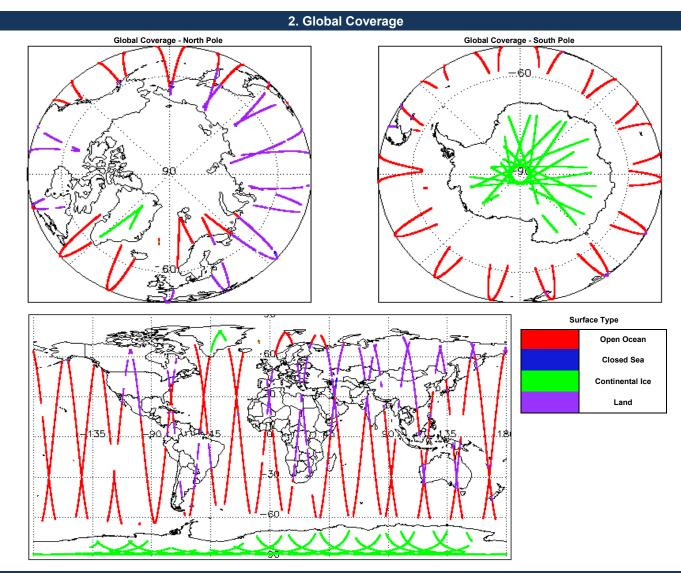
Nominal



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		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 / Instru	iment News		
25-Jul-2019	None		
26-Jul-2019	None		
27-Jul-2019	Nothing planned		

Calibration Usage Check

Auxiliary Data File Usage Check



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:

For all products, a series of pre-defined checks are carried out on the MPH and	1 SPH in order to identify any inconsiston	cies and/or errors raised by the processing chain
Number of products with errors: 2		
	- . -	
roduct S OPER SIR1SIN 0 20190726T214149 20190726T214327 0001.HDR	Test Failed Percentage of processing	errors detected greater than minimum acceptable threshold.
S_OPER_SIR1SIN_020190726T181233_20190726T181503_0001.HDR		errors detected greater than minimum acceptable threshold.
5. Lev	vel 1B FDM Data Quality	/ Check
5.1 L1B FDM Product Format Check		
ach product, retrieved and unpacked from the science server, is checked to e	ensure it consists of both an XML header	file (.HDR) and a binary product file (.DBL).
lumber of products with errors: 0		
5.2 L1B FDM Product Header Analysis		
or all products, a series of pre-defined checks are carried out on the MPH and	d SPH in order to identify any inconsisten	cies and/or errors raised by the ground-segment processing chain.
umber of products with errors: 6	, ,	
roduct	Test Failed	
S OFFL SIR FDM 1B 20190726T004901 20190726T004935 C001.DBL		_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
S_OFFL_SIR_FDM_1B_20190726T071853_20190726T072625_C001.DBL		ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
S_OFFL_SIR_FDM_1B_20190726T004815_20190726T004901_C001.DBL		_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
S_OFFL_SIR_FDM_1B_20190726T022529_20190726T023135_C001.DBL	FOS Predicted Orbit (MPL	_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
S_OFFL_SIR_FDM_1B_20190726T040331_20190726T040452_C001.DBL	FOS Predicted Orbit (MPL	_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
S_OFFL_SIR_FDM_1B_20190726T040207_20190726T040331_C001.DBL	FOS Predicted Orbit (MPL	_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
5.3 L1B FDM Star Tracker Usage Check		
ach product is checked in order to ensure a valid star tracker file has been us	ed in processing.	
umber of products with errors: 3		
roduct	Test Failed	
S_OFFL_SIR_FDM_1B_20190726T004815_20190726T004901_C001	No Star Tracker file used in	n the processing of this product
S_OFFL_SIR_FDM_1B_20190726T040207_20190726T040331_C001	No Star Tracker file used in	n the processing of this product
CS_OFFL_SIR_FDM_1B_20190726T071853_20190726T072625_C001	No Star Tracker file used in	n 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.	
lumber 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	-determined baseline and also to check t	he validity of Auviliary Data Files is correct
lumber of products with errors: 0		
6.6 L1B FDM Auxiliary Correction Error Check		
CryoSat L1B data includes a correction error flag (field 54) for each measurement	ent record. The bit value of this flag indica	ates any problems when set.
lumber 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 r	neasurement record. The bit value of this	flag indicates any problems when set.
umber of products with errors: 4		
roduct	Test Failed	Description
S_OFFL_SIR_FDM_1B_20190726T004815_20190726T004901_C001	Attitude correction missing	The attitude has not been corrected
S_OFFL_SIR_FDM_1B_20190726T040207_20190726T040331_C001	Attitude correction missing	The attitude has not been corrected
S_OFFL_SIR_FDM_1B_20190726T071853_20190726T072625_C001	Attitude correction missing	The attitude has not been corrected
S_OFFL_SIR_FDM_1B_20190726T123905_20190726T124331_C001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is indicating a degraded echo
6.Le	evel 2 FDM Data Quality	Check
6. Le	evel 2 FDM Data Quality	Check

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: 6

Product	Test Failed
CS_OFFL_SIR_FDM_220190726T004901_20190726T004935_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220190726T071853_20190726T072625_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220190726T004815_20190726T004901_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).

CS_OFFL_SIR_FDM_2__20190726T022529_20190726T023135_C001.DBL CS_OFFL_SIR_FDM_2__20190726T040331_20190726T040452_C001.DBL CS_OFFL_SIR_FDM_2__20190726T040207_20190726T040331_C001.DBL

FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). FOS Predicted Orbit (MPL ORBPRE) used instead of the DORIS Navigator Orbit (DOR NAV). FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).

Description

records

Correction for one or more records

There is an error with the Altimetric Wind Speed and Sea State Bias

There is an error with the Altimetric Wind Speed and Sea State Bias

There is an error with the Altimetric Wind Speed and Sea State Bias

There is an error with the Altimetric Wind Speed and Sea State Bias

There is an error with the Sea State Bias Correction for one or more

There is an error with the Altimetric Wind Speed and Sea State Bias

There is an error with the Altimetric Wind Speed and Sea State Bias

There is an error with the Altimetric Wind Speed and Sea State Bias

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:

Test Failed

Wind Speed

Wind Speed

Wind Speed

Wind Speed

Wind Speed

Wind Speed

Sea State Bias Correction, Altimetric

Sea State Bias Correction

6.4 L2 FDM Auxiliary Correction Error Check

Product

Each product is checked to detect auxiliary corrections flagged by the ground-station processing chain as missing or containing errors.

		-	
Number of products with errors:	36		

CS_OFFL_SIR_FDM_2_	_20190726T001525_20190726T003930_C001
CS_OFFL_SIR_FDM_2_	_20190726T011055_20190726T012218_C001
CS_OFFL_SIR_FDM_2_	_20190726T015422_20190726T022149_C001
CS_OFFL_SIR_FDM_2_	_20190726T024515_20190726T031636_C001
CS_OFFL_SIR_FDM_2_	_20190726T033318_20190726T033747_C001
CS_OFFL_SIR_FDM_2_	_20190726T040901_20190726T041119_C001
CS_OFFL_SIR_FDM_2_	_20190726T051356_20190726T053026_C001
CS_OFFL_SIR_FDM_2_	_20190726T054822_20190726T054852_C001
CS_OFFL_SIR_FDM_2_	_20190726T060004_20190726T063522_C001
CS_OFFL_SIR_FDM_2_	_20190726T075749_20190726T081446_C001
CS_OFFL_SIR_FDM_2_	_20190726T083328_20190726T084601_C001
CS_OFFL_SIR_FDM_2_	_20190726T084817_20190726T090627_C001
CS_OFFL_SIR_FDM_2_	_20190726T092740_20190726T093711_C001
CS_OFFL_SIR_FDM_2_	_20190726T102929_20190726T103154_C001
CS_OFFL_SIR_FDM_2_	_20190726T103317_20190726T103707_C001
CS_OFFL_SIR_FDM_2_	_20190726T103724_20190726T104024_C001
CS_OFFL_SIR_FDM_2_	_20190726T124719_20190726T131142_C001
CS_OFFL_SIR_FDM_2_	_20190726T132718_20190726T133808_C001
CS_OFFL_SIR_FDM_2_	_20190726T142540_20190726T145116_C001
CS_OFFL_SIR_FDM_2_	_20190726T150734_20190726T154022_C001
CS_OFFL_SIR_FDM_2_	_20190726T164636_20190726T170744_C001
CS_OFFL_SIR_FDM_2_	_20190726T171030_20190726T172208_C001
CS_OFFL_SIR_FDM_2_	_20190726T175827_20190726T180842_C001
CS_OFFL_SIR_FDM_2_	_20190726T182548_20190726T183032_C001
CS_OFFL_SIR_FDM_2_	_20190726T183042_20190726T190209_C001
CS_OFFL_SIR_FDM_2_	_20190726T191456_20190726T192208_C001
CS_OFFL_SIR_FDM_2_	_20190726T192220_20190726T194614_C001
CS_OFFL_SIR_FDM_2_	_20190726T200510_20190726T202047_C001
CS_OFFL_SIR_FDM_2_	_20190726T202642_20190726T203339_C001
CS_OFFL_SIR_FDM_2_	_20190726T205510_20190726T211047_C001
CS_OFFL_SIR_FDM_2_	_20190726T211706_20190726T212746_C001
CS_OFFL_SIR_FDM_2_	_20190726T214430_20190726T215830_C001
CS_OFFL_SIR_FDM_2_	_20190726T220132_20190726T220952_C001
CS_OFFL_SIR_FDM_2_	_20190726T223704_20190726T224414_C001
CS_OFFL_SIR_FDM_2_	_20190726T224537_20190726T225025_C001
CS_OFFL_SIR_FDM_2_	_20190726T232414_20190726T234548_C001

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

records Sea State Bias Correction, Altimetric 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.

Wind Speed

Wind Speed

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220190726T004815_20190726T004901_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220190726T040207_20190726T040331_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220190726T071853_20190726T072625_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220190726T123905_20190726T124331_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo

Sea State Bias Correction, Altimetric

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: 27

Product	Test Failed	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
CS_OFFL_SIR_FDM_220190726T001525_20190726T003930_C001	CFI Retracked Range Flag	ignored for these records.
CS OFFL SIR FDM 2 20190726T011055 20190726T012218 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
	g	ignored for these records.
CS_OFFL_SIR_FDM_220190726T015422_20190726T022149_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. The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220190726T024515_20190726T031636_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
		ignored for these records. The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220190726T060004_20190726T063522_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
		The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220190726T075749_20190726T081446_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
	CEL Detrected Dense Flag	The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220190726T083328_20190726T084601_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220190726T092740_20190726T093711_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
	of the last of the light hag	ignored for these records.
CS_OFFL_SIR_FDM_220190726T102929_20190726T103154_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. The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220190726T103317_20190726T103707_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
		ignored for these records. The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220190726T103724_20190726T104024_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
		The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220190726T124719_20190726T131142_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
	OFI Datasela d Danas Flag	The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220190726T142540_20190726T145116_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220190726T150734_20190726T154022_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
	of Fridaked Hunge Flag	ignored for these records.
CS_OFFL_SIR_FDM_220190726T171030_20190726T172208_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. The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220190726T182548_20190726T183032_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
		ignored for these records. The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220190726T183042_20190726T190209_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
		The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220190726T191456_20190726T192208_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS OFFL SIR FDM 2 20190726T192220 20190726T194614 C001	CEL Botrookod Bongo Elog	The master fail flag is set by the CFI call, for one or more records,
C3_OFFL_3IK_FDM_2_201901201192220_201901201194014_0001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS OFFL SIR FDM 2 20190726T200510 20190726T202047 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
	- 55	ignored for these records.
CS_OFFL_SIR_FDM_220190726T202642_20190726T203339_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. The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220190726T205510_20190726T211047_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
		ignored for these records. The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220190726T211706_20190726T212746_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
		The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220190726T214430_20190726T215830_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220190726T220132_20190726T220952_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
00_011E_011_1D101_2201901201220132_201901201220932_0001	or i Reliaureu Raliye Flay	ignored for these records.
CS_OFFL_SIR_FDM_220190726T224537_20190726T225025_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_220190726T232414_20190726T234548_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

27

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
	Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
		The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
	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.

	I.	
CS_OFFL_SIR_FDM_220190726T024515_20190726T031636_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_220190726T060004_20190726T063522_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_220190726T075749_20190726T081446_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_220190726T083328_20190726T084601_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_220190726T092740_20190726T093711_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_220190726T102929_20190726T103154_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_220190726T103317_20190726T103707_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_220190726T103724_20190726T104024_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_220190726T124719_20190726T131142_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_220190726T142540_20190726T145116_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_220190726T150734_20190726T154022_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_220190726T171030_20190726T172208_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_220190726T182548_20190726T183032_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_220190726T183042_20190726T190209_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_220190726T191456_20190726T192208_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_220190726T192220_20190726T194614_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_220190726T200510_20190726T202047_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_220190726T202642_20190726T203339_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_220190726T205510_20190726T211047_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_220190726T211706_20190726T212746_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_220190726T214430_20190726T215830_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_220190726T220132_20190726T220952_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_220190726T224537_20190726T225025_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_220190726T232414_20190726T234548_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:
 42

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220190726T001525_20190726T003930_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_220190726T011055_20190726T012218_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_220190726T015422_20190726T022149_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_220190726T022529_20190726T023135_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_220190726T024515_20190726T031636_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_220190726T040901_20190726T041119_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_220190726T042351_20190726T045635_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_220190726T054822_20190726T054852_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_220190726T060004_20190726T063522_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_220190726T065232_20190726T071837_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_220190726T073839_20190726T075308_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_220190726T075749_20190726T081446_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_220190726T083328_20190726T084601_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 2 20190726T084817 20190726T090627 C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS OFFL SIR FDM 2 20190726T092740 20190726T093711 C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS OFFL SIR FDM 2 20190726T093947 20190726T095340 C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
C3_OFFL_3IK_FDM_2201907201093947_201907201093340_C001		Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_220190726T102929_20190726T103154_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220190726T103317_20190726T103707_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_220190726T103724_20190726T104024_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_220190726T111646_20190726T113236_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_220190726T114813_20190726T121145_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_220190726T124719_20190726T131142_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_220190726T141521_20190726T142144_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_220190726T142540_20190726T145116_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_220190726T150734_20190726T154022_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_220190726T162154_20190726T162259_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_220190726T164636_20190726T170744_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_220190726T171030_20190726T172208_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_220190726T182548_20190726T183032_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_220190726T183042_20190726T190209_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_220190726T191456_20190726T192208_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_220190726T192220_20190726T194614_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_220190726T200510_20190726T202047_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_220190726T202642_20190726T203339_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_220190726T205510_20190726T211047_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_220190726T211706_20190726T212746_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_220190726T214430_20190726T215830_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_220190726T220132_20190726T220952_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_220190726T223704_20190726T224414_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_220190726T224537_20190726T225025_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_220190726T225311_20190726T230829_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_220190726T232414_20190726T234548_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_	142	142	142	0	0
SIR1SAR_0_	140	113	113	0	0
SIR1SIN_0_	116	116	116	0	0
SIR_FDM_1B	142	140	142	0	0
SIR_FDM_2	140	140	140	0	0
7.1 QCC Errors Number of QCC reports with errors: 0 7.2 QCC Warnings					
Number of QCC reports with warnings					
7.3 Missing QCC Reports					
Number of products with missing QCC reports:					