



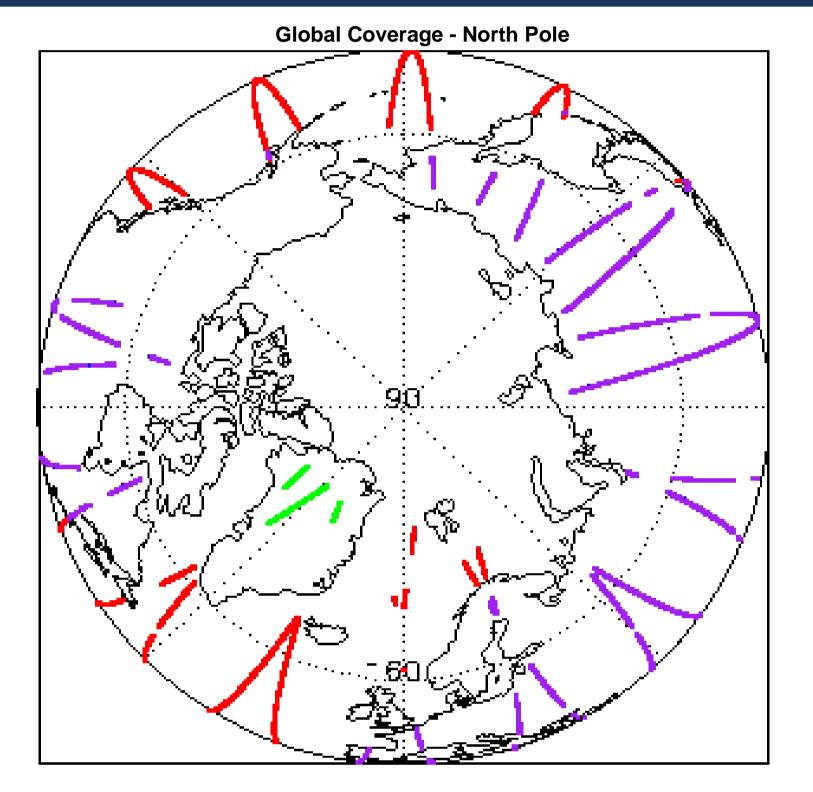
1. Overview

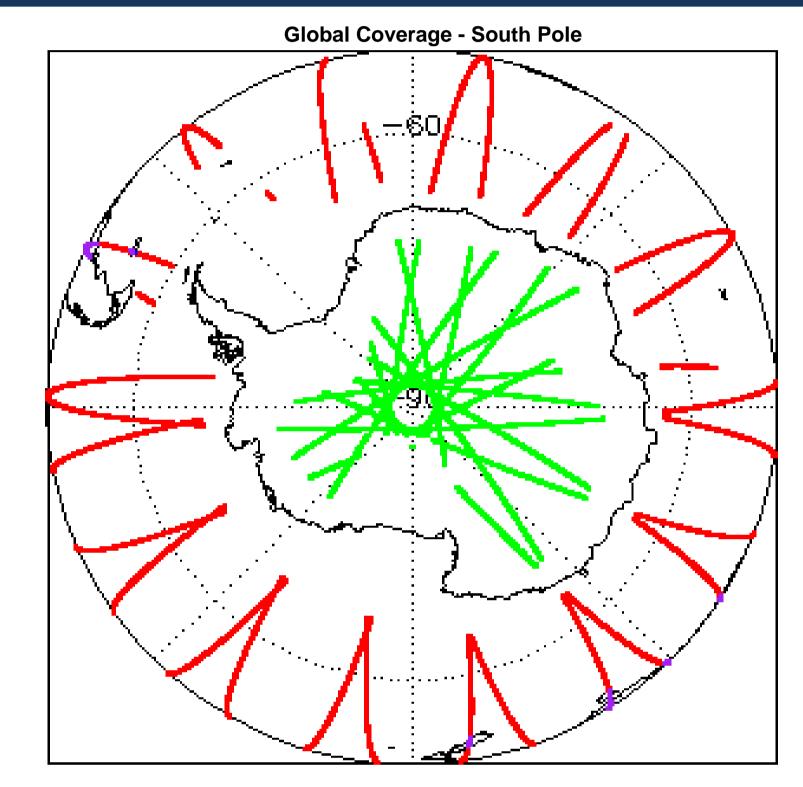
Report Production Date:	25-Mar-2020
Processor Used:	CryoSat Ice Processor
Data Used:	L1 and L2 Fast Delivery Marine (FDM) Mode and L0 Data

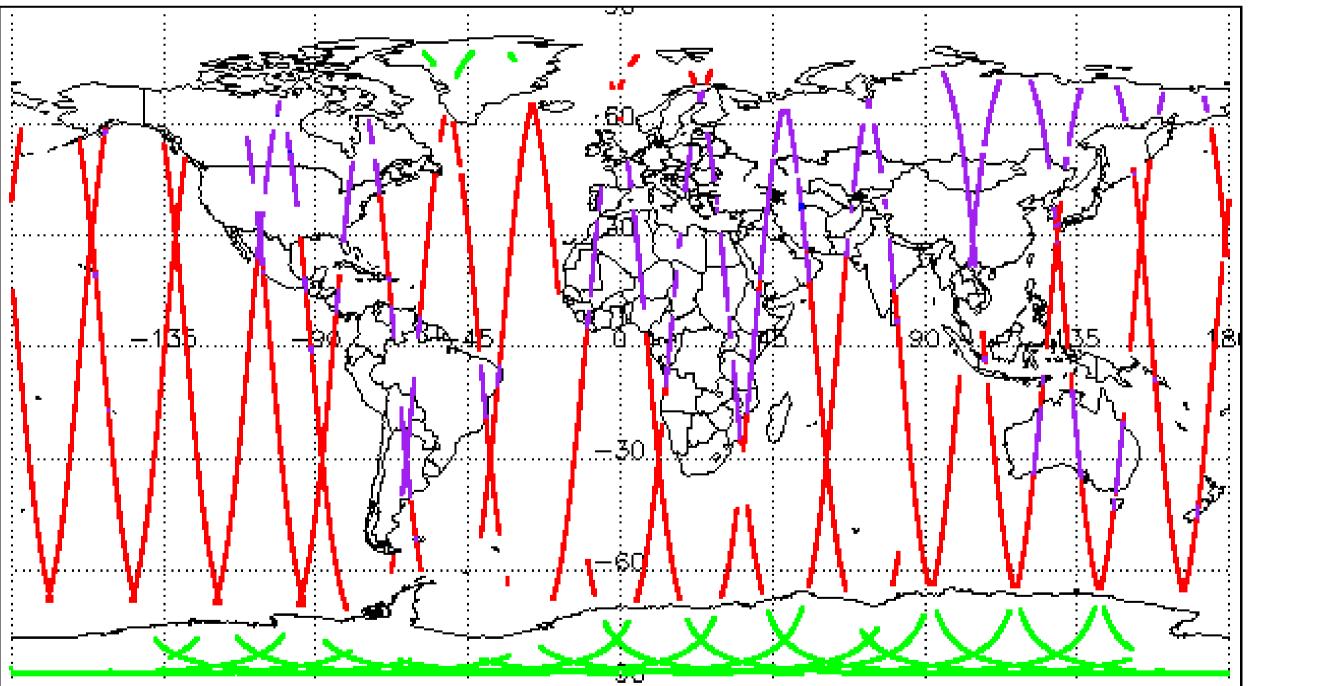
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2, 5.2 and 6.2
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check	Nominal
Auxiliary 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

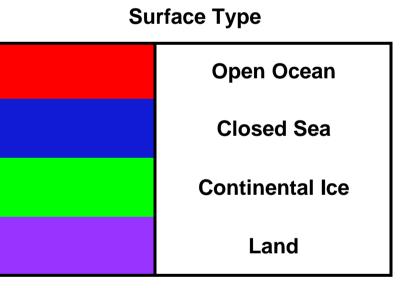
Mission / Instru	iment News
23-Mar-2020	None
24-Mar-2020	None
25-Mar-2020	Nothing planned

2. Global Coverage









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).

Number of products with errors:



4.2 L0 Product Header Analysis

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

Number of products with errors:

Test Failed Product Percentage of processing errors detected greater than minimum acceptable threshold. CS_OPER_SIR1SAR_0__20200324T055052_20200324T055724_0001.HDR CS_OPER_SIR1SAR_0_20200324T072358_20200324T072740_0001.HDR Percentage of processing errors detected greater than minimum acceptable threshold. CS_OPER_SIR1SAR_0__20200324T181347_20200324T181442_0001.HDR Percentage of processing errors detected greater than minimum acceptable threshold. CS_OPER_SIR1SAR_0__20200324T193501_20200324T193956_0001.HDR Percentage of processing errors detected greater than minimum acceptable threshold. CS_OPER_SIR1SAR_0__20200324T200728_20200324T201047_0001.HDR Percentage of processing errors detected greater than minimum acceptable threshold. CS_OPER_SIR1SIN_0__20200324T010534_20200324T010657_0001.HDR Percentage of processing errors detected greater than minimum acceptable threshold. CS_OPER_SIR1SIN_0__20200324T082108_20200324T082342_0001.HDR Percentage of processing errors detected greater than minimum acceptable threshold. CS_OPER_SIR1SIN_0_20200324T090018_20200324T090320_0001.HDR Percentage of processing errors detected greater than minimum acceptable threshold. CS_OPER_SIR1SIN_0__20200324T154819_20200324T154905_0001.HDR Percentage of processing errors detected greater than minimum acceptable threshold. CS_OPER_SIR2SIN_0__20200324T032122_20200324T032246_0001.HDR Percentage of processing errors detected greater than minimum acceptable threshold. CS_OPER_SIR2SIN_0__20200324T110339_20200324T110501_0001.HDR Percentage of processing errors detected greater than minimum acceptable threshold. Percentage of processing errors detected greater than minimum acceptable threshold. CS_OPER_SIR2SIN_0__20200324T181443_20200324T181856_0001.HDR CS_OPER_SIR2SIN_0__20200324T204634_20200324T204746_0001.HDR Percentage of processing errors detected greater than minimum acceptable threshold. Percentage of processing errors detected greater than minimum acceptable threshold. CS_OPER_SIR2SIN_0__20200324T215919_20200324T220442_0001.HDR

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

6

14

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:

Test Failed Product FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). CS_OFFL_SIR_FDM_1B_20200324T140045_20200324T140305_C001.DBL CS_OFFL_SIR_FDM_1B_20200324T140305_20200324T140520_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). CS_OFFL_SIR_FDM_1B_20200324T153926_20200324T154048_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). CS OFFL SIR FDM 1B 20200324T154048 20200324T154246 C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). CS_OFFL_SIR_FDM_1B_20200324T185601_20200324T190238_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). CS_OFFL_SIR_FDM_1B_20200324T190238_20200324T190329_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.

Number of products with errors:

Test Failed Product No Star Tracker file used in the processing of this product CS_OFFL_SIR_FDM_1B_20200324T140045_20200324T140305_C001 CS_OFFL_SIR_FDM_1B_20200324T153926_20200324T154048_C001 No Star Tracker file used in the processing of this product CS_OFFL_SIR_FDM_1B_20200324T185601_20200324T190238_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:

0

3

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.

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.

4

Number of products with errors:

Test Failed Description Product The tracking echo has returned an error and the Rx1 Echo Error flag is set, CS_OFFL_SIR_FDM_1B_20200324T110512_20200324T111051_C001 Echo error, TRK echo error indicating a degraded echo The attitude has not been corrected CS_OFFL_SIR_FDM_1B_20200324T140045_20200324T140305_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_FDM_1B_20200324T153926_20200324T154048_C001 Attitude correction missing CS_OFFL_SIR_FDM_1B_20200324T185601_20200324T190238_C001 Attitude correction missing The attitude has not been corrected

6. Level 2 FDM Data Quality Check

6.1 L2 FDM Product Format Check

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

Number of products with errors:

6.2 L2 FDM Product Header Analysis

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

Number of products with errors:

8

0

Product	Test Failed
CS_OFFL_SIR_FDM_220200324T072807_20200324T072854_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200324T140045_20200324T140305_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200324T140305_20200324T140520_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200324T153926_20200324T154048_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200324T154048_20200324T154246_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).

CS_OFFL_SIR_FDM_220200324T182704_20200324T182932_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200324T185601_20200324T190238_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200324T190238_20200324T190329_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).

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.

Number of products with errors:

38

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220200323T233844_20200324T000149_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200324T001449_20200324T004152_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200324T011532_20200324T014113_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200324T015406_20200324T022816_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200324T025226_20200324T031016_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200324T031437_20200324T032110_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200324T033328_20200324T040741_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200324T044328_20200324T044521_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200324T044737_20200324T050039_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200324T051250_20200324T053545_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200324T065315_20200324T072357_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200324T072807_20200324T072854_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200324T082729_20200324T083042_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200324T083209_20200324T084805_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200324T085009_20200324T090017_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200324T101130_20200324T102632_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200324T102812_20200324T103025_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200324T111335_20200324T113753_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200324T115053_20200324T121625_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200324T124809_20200324T131658_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200324T132944_20200324T140009_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200324T142321_20200324T145606_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records

CS_OFFL_SIR_FDM_220200324T151953_20200324T152404_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200324T154630_20200324T154718_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200324T160021_20200324T163516_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200324T165047_20200324T170705_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200324T172530_20200324T172546_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200324T192105_20200324T193500_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200324T193956_20200324T194545_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200324T201048_20200324T202315_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200324T205835_20200324T205852_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200324T210326_20200324T211412_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200324T211615_20200324T213155_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200324T214725_20200324T215227_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200324T215256_20200324T215811_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200324T220503_20200324T221631_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200324T225534_20200324T231057_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200324T232341_20200324T235111_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records

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

24

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220200324T110512_20200324T111051_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220200324T140045_20200324T140305_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220200324T153926_20200324T154048_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220200324T185601_20200324T190238_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:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220200324T001449_20200324T004152_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_220200324T011532_20200324T014113_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_220200324T025226_20200324T031016_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_220200324T033328_20200324T040741_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_220200324T044328_20200324T044521_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_220200324T065315_20200324T072357_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_220200324T083209_20200324T084805_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_220200324T085009_20200324T090017_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_220200324T101130_20200324T102632_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_220200324T102812_20200324T103025_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_220200324T111335_20200324T113753_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_220200324T115053_20200324T121625_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_220200324T132944_20200324T140009_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_220200324T142321_20200324T145606_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_220200324T151953_20200324T152404_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_220200324T160021_20200324T163516_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_220200324T193956_20200324T194545_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_220200324T201048_20200324T202315_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_220200324T210326_20200324T211412_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_220200324T211615_20200324T213155_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_220200324T214725_20200324T215227_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_220200324T215256_20200324T215811_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_220200324T220503_20200324T221631_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_220200324T232341_20200324T235111_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

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:

24

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220200324T001449_20200324T004152_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_220200324T011532_20200324T014113_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 OEEL SIR EDM 2 20200224T025226 20200224T021016 C001	CFI Backscatter Status Flag, SWH	The master fail flag is set by the CFI call, for one or more records,

CS_OPTL_SIR_FDM_2_2020024T053282_0200324T04521_C001 CPI Backsterm Status Flug_SMH The matter full gives to the CPI call, rome on more seconds. CS_OPTL_SIR_FDM_2_20200324T04532_0200324T04521_C001 CPI Backsterm Status Flug_SMH The matter full gives to the CPI call, rome on more seconds. CS_OPTL_SIR_FDM_2_20200324T064521_C001 CPI Backsterm Status Flug_SMH The matter full gives to the CPI call, rome on more seconds. CS_OPTL_SIR_FDM_2_20200324T064521_C001 CPI Backsterm Status Flug_SMH The matter full gives to the CPI call, rome on more seconds. CS_OPTL_SIR_FDM_2_20200324T064502_0200324T064502_C001 CPI Backsterm Status Flug_SMH The matter full gives to the CPI call, rome on more seconds. CS_OPTL_SIR_FDM_2_20200324T064502_0200324T064502_C001 CPI Backsterm Status Flug_SMH The matter full gives to the CPI call, rome on more seconds. CS_OPTL_SIR_FDM_2_20200324T061017_C001 CPI Backsterm Status Flug_SMH The matter full gives to the CPI call, rome on more seconds. CS_OPTL_SIR_FDM_2_20200324T10130_2020324T102020_C001 CPI Backsterm Status Flug_SMH The matter full gives to the CPI call, rome on more seconds. CS_OPTL_SIR_FDM_2_20200324T10130_2020324T102020_C001 CPI Backsterm Status Flug_SMH The matter full gives to the CPI call, rome on more seconds. CS_OPTL_SIR_FDM_2_20200324T11920_2020324T110202_C001 CPI Backsterm Status Flug_SMH The matter full gives to the CPI call, rome on more seconds. CS_OPTL_SIR_FDM_2_20200324T1192032_2020324T119203_C001 CPI Backsterm Status Fl	CS_OFFL_SIR_FDM_220200324T025226_20200324T031016_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SR_FDM_2_2020034T04438_2020034T04432 CPI Backbackter Status Flag, SMH Indicating the values stored in finds 41, 42, 43 and 44 should be granted for frees records. CS_OFFL_SR_FDM_2_2020034T08330_2020034T084800_CO01 CPI Backbackter Status Flag, SMH The market Flag (as but by the CFI call, for one an one records. CS_OFFL_SR_FDM_2_2020034T08300_20200324T084800_CO01 CPI Backbackter Status Flag, SMH The market Flag (as but by the CFI call, for one an one records. CS_OFFL_SR_FDM_2_2020034T08400_CO01 CPI Backbackter Status Flag, SMH The market Flag (as but by the CFI call, for one an one records. CS_OFFL_SR_FDM_2_2020034T08500_20200324T086400_C001 CPI Backbackter Status Flag, SMH The market Flag (as but by the CFI call, for one an one records. CS_OFFL_SR_FDM_2_2020034T10130_2020034T10130_2020034T10130_2020004 CPI Backbackter Status Flag, SMH The market Flag (as but by the CFI call, for one an one records. CS_OFFL_SR_FDM_2_20200324T102812_20200324T102812_20200324T103282_C001 CPI Backbackter Status Flag, SMH The market Flag (as but by the CFI call, for one an one records. CS_OFFL_SR_FDM_2_20200324T102812_20200324T103282_C001 CPI Backbackter Status Flag, SMH The market Flag (as but by the CFI call, for one an one records. CS_OFFL_SR_FDM_2_20200324T102812_20200324T103282_C001 CPI Backbackter Status Flag, SMH The market Flag (as but by the CFI call, for one an one records. CS_OFFL_SR_FDM_2_20200324T10281_20200324T103282_	CS_OFFL_SIR_FDM_220200324T033328_20200324T040741_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS OFFL_SIR_FDM_2_20200324T083005_2000324T048005_C001 CFT Redextentser Status Flag_SVM Systemed Averaging Status Flag Indextight a set by the CFT call, for more more records, indext of these records. CS_OFFL_SIR_FDM_2_20200324T083006_20200324T084005_C001 CFT Redextentse Status Flag_SVM Systemed Averaging Status Flag The matter full flag is set by the CFT call, for more more records, indext of these records. CS_OFFL_SIR_FDM_2_20200324T085006_20200324T080007_C001 CFT Redextentse Status Flag_SVM Systemed Averaging Status Flag The matter full flag is set by the CFT call, for more more records, indext status Flag_SVM Systemed Averaging Status Flag The matter full flag is set by the CFT call, for more more records, indext status Flag_SVM Systemed Averaging Status Flag The matter full flag is set by the CFT call, for more more records, indext status Flag_SVM Systemed Averaging Status Flag The matter full flag is set by the CFT call, for more more records, indext status Flag_SVM Systemed Averaging Status Flag The matter full flag is set by the CFT call, for more more records, indext status Flag_SVM Systemed Averaging Status Flag The matter full flag is set by the CFT call, for more more records, indext status Flag_SVM Systemed Averaging Status Flag The matter full flag is set by the CFT call, for more more records, indext status Flag_SVM Systemed Averaging Status Flag The matter full flag is set by the CFT call, for more more records, indext status Flag_SVM The matter full flag is set by the CFT call, for more more records, indext status Flag_SVM The matter full flag is set by the CFT call, for more more records, indext status Flag_SVM The ma	CS_OFFL_SIR_FDM_220200324T044328_20200324T044521_C001	U	indicating the values stored in fields #41, #42, #43 and #44 should be
GS_OFFL_SIR_FDM_2_20200324T085009_20200324T085005_001 OF1 BabScatter State Flag SMH Indexting the values stored in facts 241, 242, 243 and 444 should be game for these stored in facts 141, 242, 433 and 444 should be game	CS_OFFL_SIR_FDM_220200324T065315_20200324T072357_C001	•	indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20200324T109509_20200324T095017_C001 OF Backsanter Status Flag ground for these records. CS_OFFL_SIR_FDM_2_20200324T10130_20200324T102632_C001 CF Backsanter Status Flag micating the values stored in feels £41, #42, #43 and £44 should be ground for these records. CS_OFFL_SIR_FDM_2_20200324T102812_20200324T102632_C001 CF Backsanter Status Flag Signated Averaging Status Flag CS_OFFL_SIR_FDM_2_20200324T102812_20200324T113753_C001 CF Backsanter Status Flag Signated Averaging Status Flag CS_OFFL_SIR_FDM_2_20200324T115063_20200324T112625_C001 CF Backsanter Status Flag Signated Averaging Status Flag CS_OFFL_SIR_FDM_2_20200324T115063_20200324T112625_C001 CF Backsanter Status Flag The master flag tas to the CF Call, for one or more records, inclusing the values stored in feels £41, #42, #43 and £44 should be ground for these records. CS_OFFL_SIR_FDM_2_20200324T112663_20200324T112625_C001 CF Backsanter Status Flag, SVH Signated Averaging Status Flag The master flag tas to the CF Call, for one or more records, inclusing the values stored in feels £41, #42, #43 and £44 should be ground for these records. CS_OFFL_SIR_FDM_2_20200324T112625_C001 CF Backsanter Status Flag, SVH Signated Averaging Status Flag The master flag tas to the CF Call, for one or more records, inclusing the values stored in feels £41, #42, #43 and £44 should be ground for these records. CS_OFFL_SIR_FDM_2_20200324T16262_C001 CF Backsanter Status Fla	CS_OFFL_SIR_FDM_220200324T083209_20200324T084805_C001	•	indicating the values stored in fields #41, #42, #43 and #44 should be
CS OFFL_SIR_FDM 2_2020324T10130_20200324T103025_C001 CFI Backscatter Status Flag_SWH CS OFFL_SIR_FDM 2_20200324T103025_C001 CFI Backscatter Status Flag_SWH CS OFFL_SIR_FDM 2_20200324T103025_C001 CFI Backscatter Status Flag_SWH CS OFFL_SIR_FDM 2_20200324T11365_02000324T113753_C001 CFI Backscatter Status Flag_SWH Squared Averaging Status Flag The master fail flag is at by the CFI call, for one or more records, miclasting the values stored in flads M1, 442_483 and 444 should be growed for these records. CS OFFL_SIR_FDM 2_20200324T11365_20200324T112625_C001 CFI Backscatter Status Flag The master fail flag is at by the CFI call, for one or more records, miclasting the values stored in flads M1, 442_483 and 444 should be growed for these records. CS_OFFL_SIR_FDM 2_20200324T116063_20200324T1146009_C001 CFI Backscatter Status Flag.SWH Squared Averaging Status Flag The master fail flag is at by the CFI call, for one or more records, miclasting the values stored in flick M1, 442_43 and 444 should be growed for these records. CS_OFFL_SIR_FDM 2_20200324T116204_C001 CFI Backscatter Status Flag.SWH Squared Averaging Status Flag The master fail flag is at by the CFI call, for one or more records, miclasting the values stored in flick M1, 442_43 and 444 should be growed for these records. CS_OFFL_SIR_FDM 2_20200324T164052_20200324T16406_C001 CFI Backscatter Status Flag.SWH Squared Averaging Status Flag The master fail flag is at by the CFI call, for one or more rec	CS_OFFL_SIR_FDM_220200324T085009_20200324T090017_C001	C.	indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20200324T103025_C001 Spland Averaging Status Flag Indicating the values stored in fields 41, 42, 42 and #44 should be granted for these records. CS_OFFL_SIR_FDM_2_20200324T113753_C001 CFI Backscatter Status Flag, SWH Spland Averaging Status Flag Indicating the values stored in fields 41, 42, 43 and #44 should be granted Averaging Status Flag CS_OFFL_SIR_FDM_2_20200324T113053_C0200324T121625_C011 CFI Backscatter Status Flag, SWH Spland Averaging Status Flag Indicating the values stored in fields 41, 42, 43 and #44 should be granted for these records. CS_OFFL_SIR_FDM_2_20200324T1120625_C011 CFI Backscatter Status Flag, SWH Spland Averaging Status Flag The master field ag is set by the CFI call, for one or more records. CS_OFFL_SIR_FDM_2_20200324T142321_20200324T146000_C011 CFI Backscatter Status Flag, SWH Spland Averaging Status Flag The master field ag is set by the CFI call, for one or more records. CS_OFFL_SIR_FDM_2_20200324T142321_20200324T145264_C011 CFI Backscatter Status Flag, SWH Spland Averaging Status Flag The master field ag is set by the CFI call, for one or more records. CS_OFFL_SIR_FDM_2_20200324T16366_C021 CFI Backscatter Status Flag, SWH Spland Averaging Status Flag The master field ag is set by the CFI call, for one or more records. CS_OFFL_SIR_FDM_2_20200324T163656_C021 CFI Backscatter Status Flag, SWH Spland Averaging Status Flag The master field ag is set by the CFI call, for one or more records. CS_OFFL_SIR_FDM_2_20200324T163656_C021	CS_OFFL_SIR_FDM_220200324T101130_20200324T102632_C001	•	indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20200324T111335_20200324T113753_C001 CFI Backscatter Status Flag. SWH Squared Averaging Status Flag Indicating the values stored in liebt #41, #42, #43 and #44 should be ignored for these records. CS_OFFL_SIR_FDM_2_20200324T113063_20200324T121625_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. CS_OFFL_SIR_FDM_2_20200324T142321_20200324T142606_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. CS_OFFL_SIR_FDM_2_20200324T142321_20200324T145606_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. CS_OFFL_SIR_FDM_2_20200324T163253_20200324T162404_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. CS_OFFL_SIR_FDM_2_20200324T16021_20200324T163516_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. CS_OFFL_SIR_FDM_2_20200324T190021_20200324T194545_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. CS_OFFL_SIR_FDM_2_20200324T219048_20200324T2194545_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.	CS_OFFL_SIR_FDM_220200324T102812_20200324T103025_C001	C	indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20200324T112625_0001 CFI Backscatter Status Flag. SVM Squared Averaging Status Flag Indicating the values stored in fields #1, #42, #43 and #44 should be ignored for these records. CS_OFFL_SIR_FDM_2_20200324T142020_0324T140009_C001 CFI Backscatter Status Flag. SVM 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 #1, #42, #43 and #44 should be ignored for these records. CS_OFFL_SIR_FDM_2_20200324T142021_20200324T145066_C001 CFI Backscatter Status Flag, SVM 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 #1, #42, #43 and #44 should be ignored for these records. CS_OFFL_SIR_FDM_2_20200324T161053_20200324T163516_C001 CFI Backscatter Status Flag, SVM 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 #1, #42, #43 and #44 should be ignored for these records. CS_OFFL_SIR_FDM_2_20200324T160021_20200324T163516_C001 CFI Backscatter Status Flag, SVM 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 #1, #42, #43 and #44 should be ignored for these records. CS_OFFL_SIR_FDM_2_20200324T216020324T202315_C001 CFI Backscatter Status Flag, SVM 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 #1, #42, #43 and #44 should be ignored for these records. CS_OFFL_SIR_FDM_2	CS_OFFL_SIR_FDM_220200324T111335_20200324T113753_C001	•	indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20200324T132944_20200324T140009_C001 Of 1 Backscatter Status Flag indicating the values stored in fields #1, #42, #43 and #44 should be CS_OFFL_SIR_FDM_2_20200324T142321_20200324T145606_C001 CFI Backscatter Status Flag indicating the values stored in fields #1, #42, #43 and #44 should be CS_OFFL_SIR_FDM_2_20200324T151953_20200324T152404_C001 CFI Backscatter Status Flag, SWH The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #1, #42, #43 and #44 should be CS_OFFL_SIR_FDM_2_20200324T151953_20200324T152404_C001 CFI Backscatter Status Flag, SWH The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #1, #42, #43 and #44 should be CS_OFFL_SIR_FDM_2_20200324T150021_20200324T163516_C001 CFI Backscatter Status Flag, SWH The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #1, #42, #43 and #44 should be CS_OFFL_SIR_FDM_2_20200324T193956_20200324T194545_C001 CFI Backscatter Status Flag, SWH The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #1, #42, #43 and #44 should be CS_OFFL_SIR_FDM_2_20200324T210326_20200324T20315_C001 CFI Backscatter Status Flag, SWH The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #1, #42, #43 and #44 should be Indicating the values stored in fields #1, #42, #43 and #44 should be CS_OFFL_SIR_FDM_2_20200324T210326_	CS_OFFL_SIR_FDM_220200324T115053_20200324T121625_C001	C ·	indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20200324T142321_20200324T145606_C001 SQuared Averaging Status Flag indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records. CS_OFFL_SIR_FDM_2_20200324T151953_20200324T152404_C001 CFI Backscatter Status Flag, SWH 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_20200324T160021_20200324T163516_C001 CFI Backscatter Status Flag, SWH 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_20200324T193956_20200324T194545_C001 CFI Backscatter Status Flag, SWH 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_20200324T201048_20200324T202315_C001 CFI Backscatter Status Flag, SWH 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_20200324T210326_20200324T211412_C001 CFI Backscatter Status Flag, SWH 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_20200324T211615_20200324T21155_C001 CFI Backscatter Status Flag, SWH The master fail flag is set by the CFI call, for on	CS_OFFL_SIR_FDM_220200324T132944_20200324T140009_C001	•	indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20200324T151953_20200324T162404_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records. CS_OFFL_SIR_FDM_2_20200324T160021_20200324T163516_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_20200324T193956_20200324T194545_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_20200324T201048_20200324T202315_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_20200324T210326_20200324T211412_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_20200324T21625_20200324T21155_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status	CS_OFFL_SIR_FDM_220200324T142321_20200324T145606_C001	0	indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20200324T160021_20200324T163516_C001 OFI BackScatter Status Flag indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records. CS_OFFL_SIR_FDM_2_20200324T193956_20200324T194545_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag. SWH Squared Averaging Stat	CS_OFFL_SIR_FDM_220200324T151953_20200324T152404_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20200324T193956_20200324T194545_C001 CFI BackScatter Status Flag, SWH Squared Averaging Status Flag indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records. CS_OFFL_SIR_FDM_2_20200324T210326_20200324T2102315_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_20200324T210326_20200324T211412_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_20200324T211615_20200324T213155_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_20200324T214725_20200324T215227_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_20200324T215256_20200324T215227_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_220200324T160021_20200324T163516_C001	C.	indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20200324T201048_20200324T202315_C001CFI Backscatter Status Flag, SWH Squared Averaging Status Flagindicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.CS_OFFL_SIR_FDM_2_20200324T210326_20200324T211412_C001CFI Backscatter Status Flag, SWH Squared Averaging Status FlagThe 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_20200324T211615_20200324T213155_C001CFI Backscatter Status Flag, SWH Squared Averaging Status FlagThe 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_20200324T214725_20200324T215227_C001CFI Backscatter Status Flag, SWH Squared Averaging Status FlagThe 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_20200324T214725_20200324T215227_C001CFI Backscatter Status Flag, SWH Squared Averaging Status FlagThe 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_20200324T215256_20200324T215811_C001CFI Backscatter Status Flag, SWH Squared Averaging Status FlagThe 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_20200324T215256_20200324T215811_C001CFI Backscatter Status Flag, SWH Squared Averaging	CS_OFFL_SIR_FDM_220200324T193956_20200324T194545_C001	-	indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20200324T210326_20200324T211412_C001CFI Backscatter Status Flag, SWH Squared Averaging Status Flagindicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.CS_OFFL_SIR_FDM_2_20200324T211615_20200324T213155_C001CFI Backscatter Status Flag, SWH Squared Averaging Status FlagThe 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_20200324T214725_20200324T215227_C001CFI Backscatter Status Flag, SWH Squared Averaging Status FlagThe 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_20200324T215256_20200324T215227_C001CFI Backscatter Status Flag, SWH Squared Averaging Status FlagThe 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_20200324T215256_20200324T215811_C001CFI Backscatter Status Flag, SWH Squared Averaging Status FlagThe 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_20200324T215256_20200324T215811_C001CFI Backscatter Status Flag, SWH Squared Averaging Status FlagThe 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_20200324T220503_20200324T221631_C001CFI Backscatter Status Flag, SWH Squared Averaging	CS_OFFL_SIR_FDM_220200324T201048_20200324T202315_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20200324T211615_20200324T213155_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records. CS_OFFL_SIR_FDM_2_20200324T214725_20200324T215227_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_20200324T215256_20200324T215811_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_20200324T215256_20200324T215811_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_20200324T220503_20200324T221631_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	CS_OFFL_SIR_FDM_220200324T210326_20200324T211412_C001	•	indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20200324T215256_20200324T215227_C001CFI Backscatter Status Flag, SWH Squared Averaging Status Flagindicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.CS_OFFL_SIR_FDM_2_20200324T215256_20200324T215256_20200324T215811_C001CFI Backscatter Status Flag, SWH Squared Averaging Status FlagThe 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_20200324T220503_20200324T221631_C001CFI Backscatter Status Flag, SWH Squared Averaging Status FlagThe 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_220200324T211615_20200324T213155_C001	•	indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20200324T215256_20200324T215811_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records. CS_OFFL_SIR_FDM_2_20200324T220503_20200324T221631_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag Indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.	CS_OFFL_SIR_FDM_220200324T214725_20200324T215227_C001	•	indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20200324T220503_20200324T221631_C001	CS_OFFL_SIR_FDM_220200324T215256_20200324T215811_C001	U	indicating the values stored in fields #41, #42, #43 and #44 should be
	CS_OFFL_SIR_FDM_220200324T220503_20200324T221631_C001	•	indicating the values stored in fields #41, #42, #43 and #44 should be

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:

38

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220200324T001449_20200324T004152_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocear Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220200324T011532_20200324T014113_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocear Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220200324T015406_20200324T022816_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocear Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220200324T025226_20200324T031016_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocear Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220200324T033328_20200324T040741_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocear Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220200324T044328_20200324T044521_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocear Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220200324T051250_20200324T053545_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocear Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220200324T055931_20200324T060014_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocear Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220200324T061826_20200324T062436_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocear Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220200324T065315_20200324T072357_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocear Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220200324T074220_20200324T080135_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_220200324T080143_20200324T081420_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_220200324T083209_20200324T084805_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocear Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220200324T085009_20200324T090017_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocear Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220200324T101130_20200324T102632_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocear Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220200324T102812_20200324T103025_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_220200324T111335_20200324T113753_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocear Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220200324T115053_20200324T121625_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_220200324T124809_20200324T131658_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocear Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220200324T132944_20200324T140009_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocear Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220200324T142321_20200324T145606_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocear Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220200324T151953_20200324T152404_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_220200324T160021_20200324T163516_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocear Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220200324T165047_20200324T170705_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocear Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220200324T173940_20200324T174851_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocear Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220200324T174928_20200324T180731_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocear Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220200324T180757_20200324T181347_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocear Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220200324T193956_20200324T194545_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocear Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220200324T194615_20200324T195250_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocear Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220200324T201048_20200324T202315_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocear Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220200324T202430_20200324T203723_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_220200324T210326_20200324T211412_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_220200324T211615_20200324T213155_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocear Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220200324T214725_20200324T215227_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocear Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220200324T215256_20200324T215811_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocear Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220200324T220503_20200324T221631_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocear Retracker was not successfully executed for one or more records.

CS_OFFL_SIR_FDM_220200324T225534_20200324T231057_C001	I Ocean Refracking Ollality 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_220200324T232341_20200324T235111_C001	I OCEAN RETRACKING () JAIITY FIAG	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_	179	179	179	0	0
SIR1SAR_0_	133	133	133	0	0
SIR1SIN_0_	112	112	112	0	0
SIR2SIN_0_	116	116	116	0	0
SIR_FDM_1B	179	179	3	0	176
SIR_FDM_2	177	177	118	59	0

7.1 QCC Errors	
Number of QCC reports with errors:	176
7.3 Missing QCC Reports	
Number of products with missing QCC reports:	0