

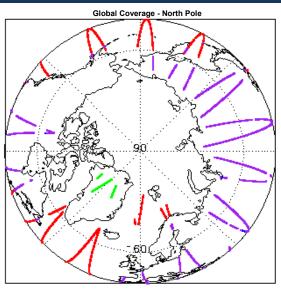
1. Overview

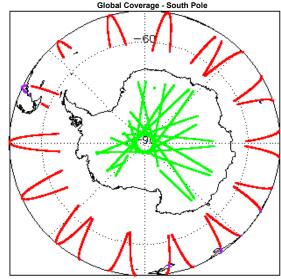
Report Production Date:	26-May-2020	
Processor Used:	CryoSat Ice Processor	
Data Used:	L1 and L2 Fast Delivery Marine (FDM) Mode and L0 Data	

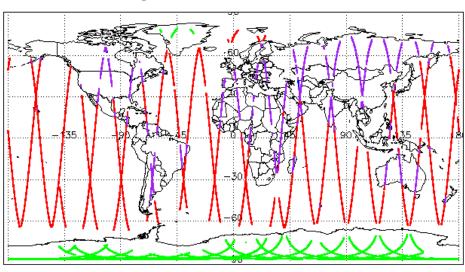
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2, 5.2 and 6.2
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check	Nominal
Auxiliary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

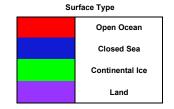
Mission / Instrument News		
22-May-2020	None	
23-May-2020	None	
24-May-2020	Nothing planned	

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).

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:

- 1

Product	Test Failed
CS_OPER_SIR1SAR_020200523T003930_20200523T004219_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020200523T011909_20200523T012559_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020200523T034512_20200523T034848_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020200523T070024_20200523T070151_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020200523T073408_20200523T074036_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020200523T161611_20200523T162340_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020200523T224927_20200523T225823_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020200523T234857_20200523T235125_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020200523T062357_20200523T062511_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020200523T130628_20200523T130805_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020200523T141448_20200523T141732_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020200523T180822_20200523T181112_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020200523T020830_20200523T020956_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020200523T161139_20200523T161206_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020200523T161213_20200523T161357_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_0_20200523T184811_20200523T185049_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020200523T210908_20200523T211235_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.

5. Level 1B FDM Data Quality Check

5.1 L1B FDM Product Format Check

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

Number of products with errors:

0

5.2 L1B FDM Product Header Analysis

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

Number of products with errors:

8

Product	Test Failed
CS_OFFL_SIR_FDM_1B_20200523T093359_20200523T093423_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200523T093423_20200523T093437_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200523T111029_20200523T111031_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200523T111031_20200523T111259_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200523T124650_20200523T124820_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200523T124821_20200523T125005_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200523T160335_20200523T161026_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200523T161026_20200523T161103_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:

4

Product	Test Failed
CS_OFFL_SIR_FDM_1B_20200523T093359_20200523T093423_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20200523T111029_20200523T111031_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20200523T124650_20200523T124820_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20200523T160335_20200523T161026_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

5.5 L1B FDM Auxilary Data File Usage Check

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

Number of products with errors:

0

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:

C

5.7 L1B FDM Measurement Confidence Data Check

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

Number of products with errors:

4

Product	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20200523T093359_20200523T093423_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20200523T111029_20200523T111031_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20200523T124650_20200523T124820_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20200523T160335_20200523T161026_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:

Λ

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:

10

Product	Test Failed
CS_OFFL_SIR_FDM_220200523T093359_20200523T093423_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200523T093423_20200523T093437_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220200523T094944_20200523T095342_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220200523T111029_20200523T111031_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200523T111031_20200523T111259_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200523T124650_20200523T124820_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200523T124821_20200523T125005_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200523T160335_20200523T161026_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200523T161026_20200523T161103_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200523T195140_20200523T195143_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:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220200523T000436_20200523T000610_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_220200523T001112_20200523T001708_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_220200523T004219_20200523T011547_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_220200523T022130_20200523T024319_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200523T040116_20200523T043345_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_220200523T050922_20200523T052218_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200523T054015_20200523T055539_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_220200523T055742_20200523T060705_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_220200523T063345_20200523T064623_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_220200523T070248_20200523T070347_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_220200523T071954_20200523T073407_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_220200523T081238_20200523T081828_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_220200523T085922_20200523T092417_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_220200523T093359_20200523T093423_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_220200523T093423_20200523T093437_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_220200523T095833_20200523T102340_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_220200523T103819_20200523T110426_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200523T121641_20200523T122240_C001	Mean Sea Surface height	There is an error with the Mean Sea Surface Height for one or more records
CS_OFFL_SIR_FDM_220200523T130805_20200523T134147_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_2_20200523T135633_20200523T141448_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_220200523T144720_20200523T151524_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200523T151535_20200523T152035_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200523T162642_20200523T162941_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_220200523T164235_20200523T164508_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_220200523T164517_20200523T164747_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_220200523T164759_20200523T165309_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200523T165327_20200523T165959_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_220200523T171826_20200523T173050_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200523T181112_20200523T182152_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_220200523T182658_20200523T183200_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_220200523T191430_20200523T192514_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_220200523T200250_20200523T201757_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_220200523T203224_20200523T205847_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200523T213203_20200523T215238_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_220200523T215240_20200523T215711_C001	Sea State Bias Correction, Mean Sea Surface height, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed, the Sea State Bias Correction and the Mean Sea Surface Height for one or more records
CS_OFFL_SIR_FDM_220200523T230934_20200523T233722_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_220200523T235125_20200524T002526_C001	Sea State Bias Correction	There is an error with the 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:

1

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220200523T093359_20200523T093423_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220200523T111029_20200523T111031_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220200523T124650_20200523T124820_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220200523T160335_20200523T161026_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_2_20200523T000436_20200523T000610_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20200523T001112_20200523T001708_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20200523T040116_20200523T043345_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20200523T054015_20200523T055539_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20200523T055742_20200523T060705_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20200523T063345_20200523T064623_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20200523T081238_20200523T081828_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20200523T085922_20200523T092417_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20200523T093359_20200523T093423_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20200523T093423_20200523T093437_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20200523T095833_20200523T102340_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20200523T130805_20200523T134147_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20200523T162642_20200523T162941_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20200523T164235_20200523T164508_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_220200523T165327_20200523T165959_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_220200523T181112_20200523T182152_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_220200523T191430_20200523T192514_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_220200523T213203_20200523T215238_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_220200523T215240_20200523T215711_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_220200523T230934_20200523T233722_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:

20

Product	Test Failed	Description
CS_OFFL_SIR_FDM_2_20200523T000436_20200523T000610_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_20200523T001112_20200523T001708_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_220200523T040116_20200523T043345_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_220200523T054015_20200523T055539_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_220200523T055742_20200523T060705_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_220200523T063345_20200523T064623_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_220200523T081238_20200523T081828_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_220200523T085922_20200523T092417_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_220200523T093359_20200523T093423_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_220200523T093423_20200523T093437_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_220200523T095833_20200523T102340_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_220200523T130805_20200523T134147_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_220200523T162642_20200523T162941_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_220200523T164235_20200523T164508_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_220200523T165327_20200523T165959_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_220200523T181112_20200523T182152_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_220200523T191430_20200523T192514_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_220200523T213203_20200523T215238_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_220200523T215240_20200523T215711_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_220200523T230934_20200523T233722_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:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220200523T000436_20200523T000610_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_220200523T001112_20200523T001708_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_20200523T004219_20200523T011547_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_220200523T015117_20200523T015306_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_220200523T022130_20200523T024319_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_OFF_SIR_FDM_2_202005237104015_2020052371054345_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag Ocean Retracking Quality Flag Ocean Retracking Quality Flag Ocean Retracking Quality Flag The Ocean Retracking Quality Flag Ocean Retracking Quality Fla	CS_OFFL_SIR_FDM_220200523T032558_20200523T034512_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.
SO, OFFL_SIR_FDM_2_202009237105429_202009237105492 COOL SO OFFL_SIR_FDM_2_202009237105492 COOL SO OFFL_SIR_FDM_2_202009237105493 COOL SO OFFL_SIR_FDM_2_202009237105494 COOL SO OFFL_SIR_FDM_2_20200923710	CS_OFFL_SIR_FDM_220200523T040116_20200523T043345_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20200523T05472_0200523T056705_C001 Ocean Retracking Quality Flag Retracking Quality	CS_OFFL_SIR_FDM_220200523T050922_20200523T052218_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_200005237108422_20001 CS_OFFL_SIR_FDM_2_200005237108422_200005237108442_0001 CS_OFFL_SIR_FDM_2_200005237108422_200005237108442_0001 CS_OFFL_SIR_FDM_2_200005237108422_200005237108442_0001 CS_OFFL_SIR_FDM_2_200005237108422_200005237108442_0001 CS_OFFL_SIR_FDM_2_200005237108422_200005237108442_0001 CS_OFFL_SIR_FDM_2_200005237108422_200005237108442_0001 CS_OFFL_SIR_FDM_2_200005237108422_200005237108442_0001 CS_OFFL_SIR_FDM_2_200005237108422_200005237108442_0001 CS_OFFL_SIR_FDM_2_200005237108422_200005237108442_0001 CS_OFFL_SIR_FDM_2_200005237108422_00005237108442_0001 CS_OFFL_SIR_FDM_2_20000523710852_0001 CS_OFFL_SIR_FDM_2_20000523710852_0001 CS_OFFL_SIR_FDM_2_20000523710852_0001 CS_OFFL_SIR_FDM_2_20000523710852_0001 CS_OFFL_SIR_FDM_2_20000523710852_0001 CS_OFFL_SIR_FDM_2_20000523710852_0001 CS_OFFL_SIR_FDM_2_20000523710842_0001 CS_OFFL_S	CS_OFFL_SIR_FDM_220200523T054015_20200523T055539_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
Ocean Retracking Quality Flag SerFL_SiR_FDM_2_202008237108232 20200523708412_C001 Ocean Retracking Quality Flag CS_OFFL_SiR_FDM_2_202008237089222 20200523708412_C001 Ocean Retracking Quality Flag The Ocean Retracking the CFI Ocean Retracking the CFI Ocean Retracking was not successfully executed for one or more records. The Ocean Retracking the CFI Ocean Retracking Quality Flag SerFL_SiR_FDM_2_202008237089222 20200523708412_C001 Ocean Retracking Quality Flag The Ocean Retracking Post Flow Flow Flag The Ocean Retracking Post Flow Flag The Ocean Retracking Duality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Was not successfully executed for one or more records.	CS_OFFL_SIR_FDM_220200523T055742_20200523T060705_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_2000523T083423_2000523T084425_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag Ocean Retracking Q	CS_OFFL_SIR_FDM_220200523T063345_20200523T064623_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20200523T093592_20200523T093417_C001 Coean Retracking Quality Flag CRS_OFFL_SIR_FDM_2_20200523T093592_20200523T093423_C001 Coean Retracking Quality Flag CRS_OFFL_SIR_FDM_2_20200523T093459_20200523T093423_C001 Coean Retracking Quality Flag CRS_OFFL_SIR_FDM_2_20200523T093459_20200523T093447_C001 CRS_OFFL_SIR_FDM_2_20200523T109349_20200523T110426_C001 CRS_OFFL_SIR_FDM_2_20200523T109349_20200523T110426_C001 CRS_OFFL_SIR_FDM_2_20200523T109349_20200523T110426_C001 CRS_OFFL_SIR_FDM_2_20200523T109349_20200523T110446_C001 CRS_OFFL_SIR_FDM_2_20200523T109349_20200523T110446_C001 CRS_OFFL_SIR_FDM_2_20200523T109349_20200523T110446_C001 CRS_OFFL_SIR_FDM_2_20200523T109349_20200523T110446_C001 CRS_OFFL_SIR_FDM_2_20200523T109349_20200523T110446_C001 CRS_OFFL_SIR_FDM_2_20200523T109349_20200523T110446_C001 CRS_OFFL_SIR_FDM_2_20200523T109349_20200523T109340_C001 CRS_OFFL_SIR_FDM_2_20200523T109349_20200523T109340_C001 CRS_OFFL_SIR_FDM_2_20200523T109340_2000523T109340_C001 CRS_OFFL_SIR_FDM_2_20200523T109340_C001 CRS_OFFL_SIR_FDM_2_20200523T109340_C001 CRS_OFFL_SIR_FDM_2_20200523T109340_C001 CRS_OFFL_SIR_FDM_2_20200523T109340_C001 CRS_OFFL_SIR_FDM_2_20200523T109340_C001 CRS_OFFL_SIR_FDM_2_20200523T109340_C001 CRS_OFFL_SIR_FDM_2_20200523T1009340_C001	CS_OFFL_SIR_FDM_220200523T081238_20200523T081828_C001	Ocean Retracking Quality Flag	
CS_OFF_SIR_FDM_2_20200523T093452_0200523T09347_C001 Coean Retracking Quality Flag Retracking Quality	CS_OFFL_SIR_FDM_220200523T082113_20200523T084452_C001	Ocean Retracking Quality Flag	
CS_OFF_SIR_FDM_2_20200523T093842_30200523T102840_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag The Cocean Retrac	CS_OFFL_SIR_FDM_220200523T085922_20200523T092417_C001	Ocean Retracking Quality Flag	
Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. CS_OFFL_SIR_FDM_2_02000523T103819_20200523T110426_C001 CS_OFFL_SIR_FDM_2_02000523T103819_20200523T1110426_C001 CS_OFFL_SIR_FDM_2_02000523T1380805_20200523T131417C001 CS_OFFL_SIR_FDM_2_02000523T1380805_20200523T13141446_C001 CS_OFFL_SIR_FDM_2_02000523T135633_20200523T141448_C001 CS_OFFL_SIR_FDM_2_02000523T135633_20200523T141448_C001 CS_OFFL_SIR_FDM_2_02000523T15555_20200523T15526_C001 CS_OFFL_SIR_FDM_2_02000523T15555_20200523T15005_C001 CS_OFFL_SIR_FDM_2_02000523T15555_20200523T160205_C001 CS_OFFL_SIR_FDM_2_02000523T15555_20200523T160205_C001 CS_OFFL_SIR_FDM_2_02000523T16556_02000523T160205_C001 CS_OFFL_SIR_FDM_2_02000523T16505_02000523T160205_C001 CS_OFFL_SIR_FDM_2_02000523T16505_02000523T160205_C001 CS_OFFL_SIR_FDM_2_02000523T160205_C001 CS_OFFL_SIR_FDM_2_02000523T160205_C001 CS_OFFL_SIR_FDM_2_02000523T160205_C001 CS_OFFL_SIR_FDM_2_02000523T160205_C001 CS_OFFL_SIR_FDM_2_02000523T160205_C001 CS_OFFL_SIR_FDM_2_02000523T160205_C001 CS_OFFL_SIR_FDM_2_02000523T160205_C001 CS_OFFL_SIR_FDM_2_02000523T160205_C001 CS_OFFL_SIR_FDM_2_02000523T160205_C001 CS_OFFL_SIR_FDM_2_02000523T160205_C000523T160205_C001 CS_OFFL_SIR_FDM_2_02000523T160205_C000523T160205_C001 CS_OFFL_SIR_FDM_2_02000523T160205_C000523T16005_C001 CS_OFFL_SIR_FDM_2_02000523T16005_C001	CS_OFFL_SIR_FDM_220200523T093359_20200523T093423_C001	Ocean Retracking Quality Flag	
Cean Retracking Quality Flag The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not succ	CS_OFFL_SIR_FDM_220200523T093423_20200523T093437_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20200523T13605_20200523T14447_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is est indicating the CFI Ocean Retracking Q	CS_OFFL_SIR_FDM_220200523T095833_20200523T102340_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20200523T14720_2020523T151534_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 Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI 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 Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The 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 Retracking Quality Flag Retracker was not successfully executed for one or more records. The 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 Retracking Quality Flag Retracker was n	CS_OFFL_SIR_FDM_220200523T103819_20200523T110426_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20200523T15355_20200523T15203_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Q	CS_OFFL_SIR_FDM_220200523T130805_20200523T134147_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20200523T151535_20200523T162036_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 Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag Set indicating the CFI Ocean Retrac	CS_OFFL_SIR_FDM_220200523T135633_20200523T141448_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20200523T163619_20200523T160205_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 Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or	CS_OFFL_SIR_FDM_220200523T144720_20200523T151524_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20200523T162642_20200523T162941_C001 Coean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indic	CS_OFFL_SIR_FDM_220200523T151535_20200523T152035_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20200523T163011_20200523T164045_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Plag is set indicating the CFI Ocean Retracking Quality Plag is set indicating the CFI Ocean Retracking Quality Plag is set indicating the CFI Ocean Retracking Quality Plag is set indicating the CFI Ocean Retracking Quality Plag is set indicating the CFI Ocean Retracking Quality Plag is set indicating the CFI Ocean Retracking Quality Plag is set indicating the CFI Ocean Retracking Quality Plag is set indicating the CFI Ocean Retracking Quality Plag is set indicating the CFI Ocean Retracking Quality Plag is set indicating the CFI Ocean Retracking Quality Plag is set indicating the CFI Ocean Retracking Quality Plag Is a set indicating the CFI Ocean R	CS_OFFL_SIR_FDM_220200523T153619_20200523T160205_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 Retracking Quality Flag Set Indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Set Indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Set Indicating the CFI Ocean Retracking Quality Flag Set Indicating the CFI Ocean Retracking Quality Englis Set Indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Set Indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Set Indicating the CFI Ocean Retracker was not successfully executed for one or more records. CS_OFFL_SIR_FDM_2_20200523T182552_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_20200523T19430_2020523T192514_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. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not succe	CS_OFFL_SIR_FDM_220200523T162642_20200523T162941_C001	Ocean Retracking Quality Flag	
Retracker was not successfully executed for one or more records. CS_OFFL_SIR_FDM_2_20200523T164517_20200523T165309_C001 CS_OFFL_SIR_FDM_2_20200523T165327_20200523T165309_C001 CS_OFFL_SIR_FDM_2_20200523T165327_20200523T165959_C001 CS_OFFL_SIR_FDM_2_20200523T165327_20200523T165959_C001 CS_OFFL_SIR_FDM_2_20200523T171826_20200523T173050_C001 CS_OFFL_SIR_FDM_2_20200523T171826_20200523T173050_C001 CS_OFFL_SIR_FDM_2_20200523T181112_20200523T182152_C001 CS_OFFL_SIR_FDM_2_20200523T182152_C001 CS_OFFL_SIR_FDM_2_20200523T182658_20200523T183200_C001 CS_OFFL_SIR_FDM_2_20200523T191430_20200523T191420_C001 CS_OFFL_SIR_FDM_2_20200523T191420_2020523T19514_C001 CS_OFFL_SIR_FDM_2_20200523T203224_20200523T215238_C001 CS_OFFL_SIR_FDM_2_20200523T213203_20200523T215238_C001 CS_OFFL_SIR_FDM_2_20200523T213203_20200523T215238_C001 CS_OFFL_SIR_FDM_2_20200523T215240_20200523T215711_C001 CS_OFFL_SIR_FDM_2_20200523T215240_2020	CS_OFFL_SIR_FDM_220200523T163011_20200523T164045_C001	Ocean Retracking Quality Flag	
Retracker was not successfully executed for one or more records. CS_OFFL_SIR_FDM_2_20200523T164747_0001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. CS_OFFL_SIR_FDM_2_20200523T165327_20200523T165959_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. 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_20200523T181112_20200523T182152_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. 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_20200523T182658_20200523T182500_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. 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_20200523T191430_20200523T192514_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_20200523T203224_20200523T215238_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. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set i	CS_OFFL_SIR_FDM_220200523T164235_20200523T164508_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20200523T165327_20200523T165959_C001 CS_OFFL_SIR_FDM_2_20200523T171826_20200523T173050_C001 CS_OFFL_SIR_FDM_2_20200523T171826_20200523T173050_C001 CS_OFFL_SIR_FDM_2_20200523T171826_20200523T182152_C001 CS_OFFL_SIR_FDM_2_20200523T181112_20200523T182152_C001 CS_OFFL_SIR_FDM_2_20200523T181112_20200523T182152_C001 CS_OFFL_SIR_FDM_2_20200523T182658_20200523T183200_C001 CS_OFFL_SIR_FDM_2_20200523T182658_20200523T183200_C001 CS_OFFL_SIR_FDM_2_20200523T191430_20200523T192514_C001 CS_OFFL_SIR_FDM_2_20200523T191430_20200523T192514_C001 CS_OFFL_SIR_FDM_2_20200523T191430_20200523T192514_C001 CS_OFFL_SIR_FDM_2_20200523T191430_20200523T192514_C001 CS_OFFL_SIR_FDM_2_20200523T191430_20200523T192514_C001 CS_OFFL_SIR_FDM_2_20200523T203224_20200523T205847_C001 CS_OFFL_SIR_FDM_2_20200523T203224_20200523T215238_C001 CS_OFFL_SIR_FDM_2_20200523T213203_20200523T215238_C001 CS_OFFL_SIR_FDM_2_20200523T213203_20200523T215238_C001 CS_OFFL_SIR_FDM_2_20200523T215240_2020523T215711_C001 CCEAR Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not	CS_OFFL_SIR_FDM_220200523T164517_20200523T164747_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20200523T182658_20200523T183200_C001 CS_OFFL_SIR_FDM_2_20200523T182658_20200523T183200_C001 CS_OFFL_SIR_FDM_2_20200523T182658_20200523T183200_C001 CS_OFFL_SIR_FDM_2_20200523T182658_20200523T183200_C001 CS_OFFL_SIR_FDM_2_20200523T191430_20200523T192514_C001 CS_OFFL_SIR_FDM_2_20200523T191430_20200523T192514_C001 CS_OFFL_SIR_FDM_2_20200523T203224_20200523T205847_C001 CS_OFFL_SIR_FDM_2_20200523T203224_20200523T205847_C001 CS_OFFL_SIR_FDM_2_20200523T203224_20200523T205847_C001 CS_OFFL_SIR_FDM_2_20200523T203224_20200523T215238_C001 CS_OFFL_SIR_FDM_2_20200523T213203_20200523T215238_C001 CS_OFFL_SIR_FDM_2_20200523T213203_20200523T215238_C001 CS_OFFL_SIR_FDM_2_20200523T215240_20200523T215711_C001 CS_OFFL_SIR_FDM_2_20200523T215240_20200523T215711_C001 CS_OFFL_SIR_FDM_2_20200523T215240_20200523T215711_C001 CS_OFFL_SIR_FDM_2_20200523T215240_20200523T2152372_C0044 CS_OFFL_SIR_FDM_2_20200523T215240_20200523T215711_C001 CS_OFFL_SIR_FDM_2_20200523T2	CS_OFFL_SIR_FDM_220200523T164759_20200523T165309_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20200523T181112_20200523T182152_C001 CS_OFFL_SIR_FDM_2_20200523T182658_20200523T183200_C001 CS_OFFL_SIR_FDM_2_20200523T182658_20200523T183200_C001 CS_OFFL_SIR_FDM_2_20200523T191430_20200523T192514_C001 CS_OFFL_SIR_FDM_2_20200523T191430_20200523T192514_C001 CS_OFFL_SIR_FDM_2_20200523T203224_20200523T192514_C001 CS_OFFL_SIR_FDM_2_20200523T203224_20200523T205847_C001 CS_OFFL_SIR_FDM_2_20200523T203224_20200523T205847_C001 CS_OFFL_SIR_FDM_2_20200523T203224_20200523T205847_C001 CS_OFFL_SIR_FDM_2_20200523T203224_20200523T215238_C001 CS_OFFL_SIR_FDM_2_20200523T213203_20200523T215238_C001 CS_OFFL_SIR_FDM_2_20200523T215240_20200523T215238_C001 CS_OFFL_SIR_FDM_2_20200523T215240_20200523T215711_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. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. 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_220200523T165327_20200523T165959_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20200523T182658_20200523T183200_C001 CS_OFFL_SIR_FDM_2_20200523T182658_20200523T183200_C001 CS_OFFL_SIR_FDM_2_20200523T191430_20200523T192514_C001 CS_OFFL_SIR_FDM_2_20200523T203224_20200523T205847_C001 CS_OFFL_SIR_FDM_2_20200523T203224_20200523T205847_C001 CS_OFFL_SIR_FDM_2_20200523T203224_20200523T205847_C001 CS_OFFL_SIR_FDM_2_20200523T203224_20200523T205847_C001 CS_OFFL_SIR_FDM_2_20200523T203224_20200523T205847_C001 CS_OFFL_SIR_FDM_2_20200523T213203_20200523T215238_C001 CS_OFFL_SIR_FDM_2_20200523T213203_20200523T215238_C001 CS_OFFL_SIR_FDM_2_20200523T213203_20200523T215238_C001 CS_OFFL_SIR_FDM_2_20200523T215240_20200523T215711_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. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. 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_220200523T171826_20200523T173050_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20200523T191430_20200523T192514_C001 CS_OFFL_SIR_FDM_2_20200523T203224_20200523T205847_C001 CS_OFFL_SIR_FDM_2_20200523T203224_20200523T205847_C001 CS_OFFL_SIR_FDM_2_20200523T203224_20200523T205847_C001 CS_OFFL_SIR_FDM_2_20200523T203224_20200523T205847_C001 CS_OFFL_SIR_FDM_2_20200523T213203_20200523T215238_C001 CS_OFFL_SIR_FDM_2_20200523T213203_20200523T215238_C001 CS_OFFL_SIR_FDM_2_20200523T213203_20200523T215238_C001 CS_OFFL_SIR_FDM_2_20200523T215240_20200523T215711_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. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracker was not successfully executed for one or more records. The Ocean Retracker was not successfully executed for one or more records. The Ocean Retracker was not successfully executed for one or more records. The Ocean Retracker was not successfully executed for one or more records. The Ocean Retracker was not successfully executed for one or more records.	CS_OFFL_SIR_FDM_220200523T181112_20200523T182152_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20200523T203224_20200523T205847_C001 CS_OFFL_SIR_FDM_2_20200523T203224_20200523T205847_C001 CS_OFFL_SIR_FDM_2_20200523T213203_20200523T215238_C001 CS_OFFL_SIR_FDM_2_20200523T213203_20200523T215238_C001 CS_OFFL_SIR_FDM_2_20200523T215203_20200523T215238_C001 CS_OFFL_SIR_FDM_2_20200523T215240_20200523T215711_C001 Ocean Retracking Quality Flag 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. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. 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_220200523T182658_20200523T183200_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20200523T213203_20200523T215238_C001 CS_OFFL_SIR_FDM_2_20200523T213203_20200523T215238_C001 CS_OFFL_SIR_FDM_2_20200523T215240_20200523T215238_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 Retracker was not successfully executed for one or more records. 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. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. 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_220200523T191430_20200523T192514_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20200523T215240_20200523T215711_C001 CS_OFFL_SIR_FDM_2_20200523T215240_20200523T215711_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 Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Qual	CS_OFFL_SIR_FDM_220200523T203224_20200523T205847_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_202005231215240_202005231215711_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_220200523T213203_20200523T215238_C001	Ocean Retracking Quality Flag	
	CS_OFFL_SIR_FDM_220200523T215240_20200523T215711_C001	Ocean Retracking Quality Flag	0 , 0
	CS_OFFL_SIR_FDM_220200523T230934_20200523T233722_C001	Ocean Retracking Quality Flag	

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_	166	166	166	0	0
SIR1SAR_0_	119	119	119	0	0
SIR1SIN_0_	106	106	106	0	0
SIR2SIN_0_	113	113	111	2	0
SIR_FDM_1B	166	166	4	0	162
SIR_FDM_2	165	165	113	52	0

7.1 QCC Errors

Number of QCC reports with errors:

162

7.2 QCC Warnings

Number of QCC reports with warnings

57

7.3 Missing QCC Reports

Number of products with missing QCC reports: