

1. Overview

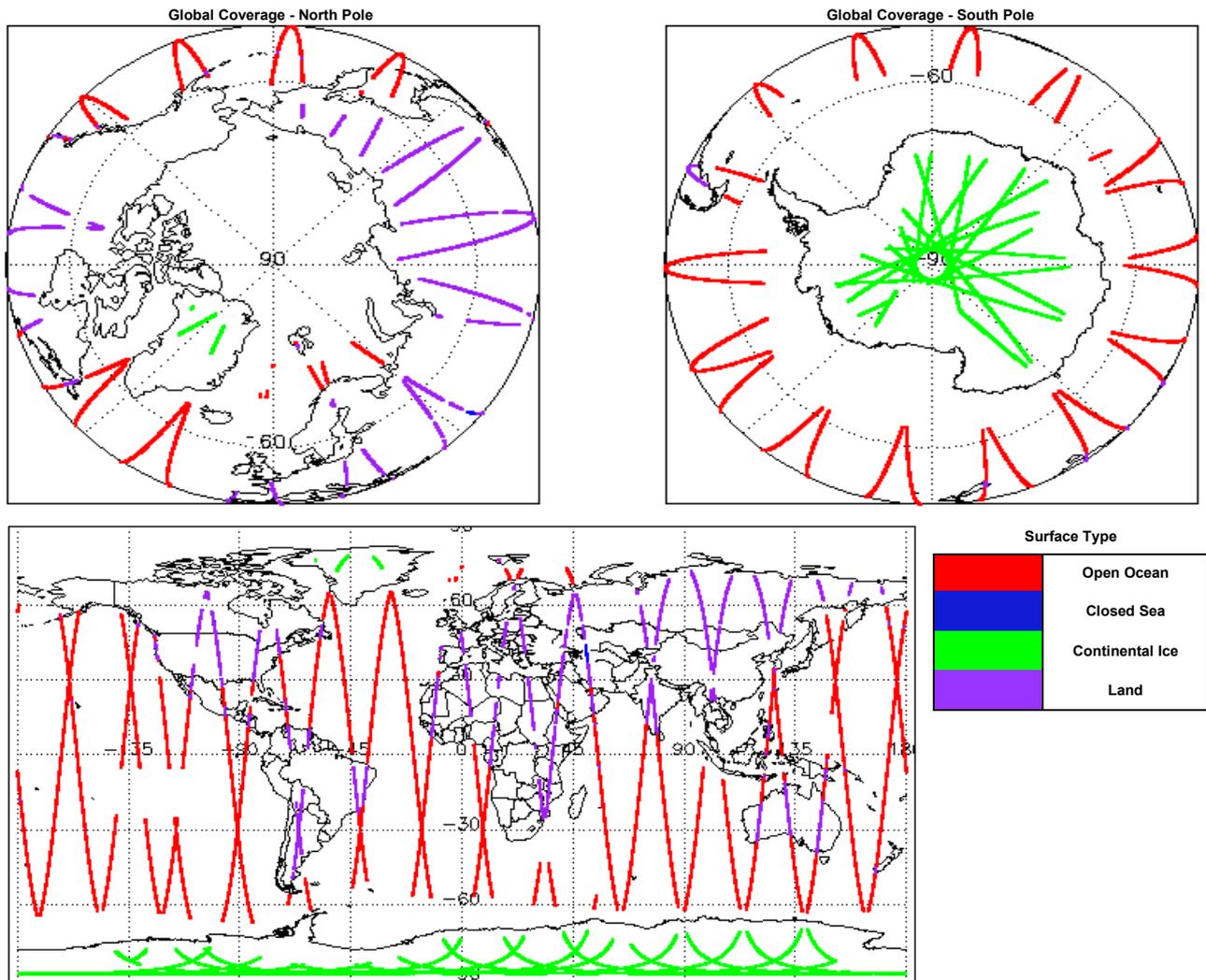
Report Production Date:	03-Jan-2019
Processor Used:	CryoSat Ice Processor
Data Used:	L1 and L2 Fast Delivery Marine (FDM) Mode and L0 Data

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
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check	Nominal
Auxiliary Data File Usage Check	See Section 5.5 and 6.3
Auxiliary Correction Error Check	See Section 5.6 and 6.4
Measurement Confidence Data Check	See Section 5.7, 6.5, 6.6, 6.7 and 6.8

Mission / Instrument News

01-Jan-2019	None
02-Jan-2019	None
03-Jan-2019	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 & 2

4. Level 0 Data Quality Check

4.1 L0 Product Format Check

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

Number of products with errors: 0

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: 11

Product	Test Failed
CS_OPER_SIR1LRM_0_20190102T184521_20190102T190237_0001.DBL	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_0_20190102T195134_20190102T195221_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_0_20190102T172857_20190102T173622_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_0_20190102T104701_20190102T104945_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_0_20190102T154107_20190102T154552_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_0_20190102T140227_20190102T140349_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_0_20190102T105548_20190102T110024_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_0_20190102T071948_20190102T072317_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_0_20190102T134433_20190102T134807_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_0_20190102T081630_20190102T081955_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_0_20190102T050139_20190102T050437_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.

5. Level 1B FDM Data Quality Check

5.1 L1B FDM Product Format Check

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

Number of products with errors: 0

5.2 L1B FDM Product Header Analysis

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

Number of products with errors: 0

5.3 L1B FDM Star Tracker Usage Check

Each product is checked in order to ensure a valid star tracker file has been used in processing.

Number of products with errors: 4

Product	Test Failed
CS_OFFL_SIR_FDM_1B_20190102T104646_20190102T104657_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20190102T122258_20190102T122309_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20190102T140025_20190102T140104_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20190102T165001_20190102T172325_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 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: 90

Product	AUX File	Comment
All FDM_1B products up to 20190102T122309 (90 products)	CS_OPER_AUXIIIONGIM_20190102T000000_20190102T235959_0001	Forecast AUXI file missing at the time of processing
All FDM_1B products up to 20190102T122309 (90 products)	AUXISEAMPS, AUXISURFPS, AUXIU_WIND, AUXIV_WIND, AUXIWETTRP	Forecast Meteo AUXI files missing at the time of processing

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: 90

Product	Test Failed	Description
All FDM_1B products up to 20190102T122309 (90 products)	Dry tropospheric corr., Wet tropospheric corr., Inverse barometric corr., GIM ionspheric corr.	Due to a missing Forecast Auxiliary Files there is an error with the Dry Tropospheric, Wet Tropospheric, Inverse Barometric and Ionospheric Corrections

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: 31

Product	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20190101T233529_20190102T000046_C001	Blank block, Block degraded	A blank block has been inserted for record padding
CS_OFFL_SIR_FDM_1B_20190102T000314_20190102T000823_C001	Blank block, Block degraded	A blank block has been inserted for record padding
CS_OFFL_SIR_FDM_1B_20190102T000830_20190102T001157_C001	Blank block, Block degraded	A blank block has been inserted for record padding
CS_OFFL_SIR_FDM_1B_20190102T001609_20190102T002627_C001	Blank block, Block degraded	A blank block has been inserted for record padding
CS_OFFL_SIR_FDM_1B_20190102T003205_20190102T004904_C001	Blank block, Block degraded	A blank block has been inserted for record padding
CS_OFFL_SIR_FDM_1B_20190102T010528_20190102T010840_C001	Blank block, Block degraded	A blank block has been inserted for record padding

CS_OFFL_SIR_FDM_1B_20190102T010913_20190102T011110_C001	Blank block, Block degraded	A blank block has been inserted for record padding
CS_OFFL_SIR_FDM_1B_20190102T011156_20190102T011158_C001	Blank block, Block degraded	A blank block has been inserted for record padding
CS_OFFL_SIR_FDM_1B_20190102T011201_20190102T011827_C001	Blank block, Block degraded	A blank block has been inserted for record padding
CS_OFFL_SIR_FDM_1B_20190102T011830_20190102T011832_C001	Blank block, Block degraded	A blank block has been inserted for record padding
CS_OFFL_SIR_FDM_1B_20190102T011836_20190102T011934_C001	Blank block, Block degraded	A blank block has been inserted for record padding
CS_OFFL_SIR_FDM_1B_20190102T012000_20190102T012148_C001	Blank block, Block degraded	A blank block has been inserted for record padding
CS_OFFL_SIR_FDM_1B_20190102T012153_20190102T012217_C001	Blank block, Block degraded	A blank block has been inserted for record padding
CS_OFFL_SIR_FDM_1B_20190102T012221_20190102T012951_C001	Blank block, Block degraded	A blank block has been inserted for record padding
CS_OFFL_SIR_FDM_1B_20190102T013504_20190102T013933_C001	Blank block, Block degraded	A blank block has been inserted for record padding
CS_OFFL_SIR_FDM_1B_20190102T014313_20190102T014856_C001	Blank block, Block degraded	A blank block has been inserted for record padding
CS_OFFL_SIR_FDM_1B_20190102T014925_20190102T015058_C001	Blank block, Block degraded	A blank block has been inserted for record padding
CS_OFFL_SIR_FDM_1B_20190102T015530_20190102T022816_C001	Blank block, Block degraded	A blank block has been inserted for record padding
CS_OFFL_SIR_FDM_1B_20190102T024148_20190102T024245_C001	Blank block, Block degraded	A blank block has been inserted for record padding
CS_OFFL_SIR_FDM_1B_20190102T024339_20190102T024357_C001	Blank block, Block degraded	A blank block has been inserted for record padding
CS_OFFL_SIR_FDM_1B_20190102T024746_20190102T024900_C001	Blank block, Block degraded	A blank block has been inserted for record padding
CS_OFFL_SIR_FDM_1B_20190102T025010_20190102T025020_C001	Blank block, Block degraded	A blank block has been inserted for record padding
CS_OFFL_SIR_FDM_1B_20190102T025340_20190102T025455_C001	Blank block, Block degraded	A blank block has been inserted for record padding
CS_OFFL_SIR_FDM_1B_20190102T025639_20190102T025821_C001	Blank block, Block degraded	A blank block has been inserted for record padding
CS_OFFL_SIR_FDM_1B_20190102T025900_20190102T031752_C001	Blank block, Block degraded	A blank block has been inserted for record padding
CS_OFFL_SIR_FDM_1B_20190102T032239_20190102T032750_C001	Blank block, Block degraded	A blank block has been inserted for record padding
CS_OFFL_SIR_FDM_1B_20190102T033414_20190102T040819_C001	Blank block, Block degraded	A blank block has been inserted for record padding
CS_OFFL_SIR_FDM_1B_20190102T040948_20190102T041026_C001	Blank block, Block degraded	A blank block has been inserted for record padding
CS_OFFL_SIR_FDM_1B_20190102T042042_20190102T042048_C001	Blank block, Block degraded	A blank block has been inserted for record padding
CS_OFFL_SIR_FDM_1B_20190102T042155_20190102T042213_C001	Blank block, Block degraded	A blank block has been inserted for record padding
CS_OFFL_SIR_FDM_1B_20190102T042940_20190102T042959_C001	Blank block, Block degraded	A blank block has been inserted for record padding

6. Level 2 FDM Data Quality Check

6.1 L2 FDM Product Format Check

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

Number of products with errors: 0

6.2 L2 FDM Product Header Analysis

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

Number of products with errors: 0

6.3 L2 FDM Auxiliary Data File Usage Check

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

Number of products with errors: 90

Product	AUX File	Comment
All FDM_2 products up to 20190102T122309 (90 products)	CS_OPER_AUXIIONGIM_20190102T000000_20190102T235959_0001	Forecast AUXI file missing at the time of processing
All FDM_2 products up to 20190102T122309 (90 products)	AUXISEAMPS, AUXISURFPS, AUXIU_WIND, AUXIV_WIND, AUXIWETTRP	Forecast Meteo AUXI files missing at the time of processing

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: 109

Product	Test Failed	Description
All FDM_2 products up to 20190102T122309 (90 products)	Dry tropospheric corr., Wet tropospheric corr., Inverse barometric corr., GIM ionspheric corr.	Due to a missing Forecast Auxiliary Files there is an error with the Dry Tropospheric, Wet Tropospheric, Inverse Barometric and Ionospheric Corrections
CS_OFFL_SIR_FDM_2_20190101T233529_20190102T000046_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_20190102T003205_20190102T004904_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_2_20190102T011201_20190102T011827_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_20190102T015530_20190102T022816_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_20190102T024148_20190102T024245_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_20190102T033414_20190102T040819_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_20190102T042042_20190102T042048_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_20190102T043227_20190102T043708_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_20190102T043749_20190102T045659_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_20190102T051356_20190102T054631_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_20190102T060248_20190102T062131_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_20190102T062207_20190102T063516_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_20190102T065304_20190102T070823_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_20190102T074540_20190102T075908_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_20190102T083240_20190102T084652_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_2_20190102T092531_20190102T093236_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_20190102T093359_20190102T095733_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_20190102T101201_20190102T103718_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_20190102T110830_20190102T111947_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_2_20190102T112521_20190102T113550_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_20190102T115059_20190102T121802_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_20190102T124314_20190102T125901_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_20190102T140846_20190102T140902_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_20190102T142102_20190102T145431_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_2_20190102T155928_20190102T162819_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_20190102T162829_20190102T163322_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_20190102T172325_20190102T172344_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_20190102T173919_20190102T173923_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_20190102T174039_20190102T175040_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_20190102T175519_20190102T175741_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_20190102T175745_20190102T181239_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_20190102T183111_20190102T184334_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_20190102T184521_20190102T190237_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_20190102T192509_20190102T193438_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_20190102T193641_20190102T195134_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_20190102T202502_20190102T203801_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_20190102T211510_20190102T213056_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_20190102T214500_20190102T221150_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_20190102T224436_20190102T231006_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_2_20190102T235420_20190102T235550_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: 6

Product	Test Failed	Description
CS_OFFL_SIR_FDM_2_20190102T104646_20190102T104657_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_2_20190102T110830_20190102T111947_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_2_20190102T122258_20190102T122309_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_2_20190102T140025_20190102T140104_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_2_20190102T165001_20190102T172325_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_2_20190102T210638_20190102T210742_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo

6.6 L2 FDM Range Measurement Check

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

Number of products with errors: 24

Product	Test Failed	Description
CS_OFFL_SIR_FDM_2_20190102T011201_20190102T011827_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_20190102T015530_20190102T022816_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_20190102T033414_20190102T040819_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_20190102T043227_20190102T043708_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_20190102T043749_20190102T045659_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_20190102T051356_20190102T054631_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_20190102T060248_20190102T062131_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_20190102T062207_20190102T063516_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_20190102T065304_20190102T070823_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.

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_	184	184	184	0	0
SIR1SAR_0_	116	116	116	0	0
SIR1SIN_0_	108	108	108	0	0
SIR2SIN_0_	111	111	111	0	0
SIR_FDM_1B	184	184	184	0	0
SIR_FDM_2	182	182	182	0	0

7.1 QCC Errors

Number of QCC reports with errors: 0

7.2 QCC Warnings

Number of QCC reports with warnings: 0

7.3 Missing QCC Reports

Number of products with missing QCC reports: 0