

1. Overview

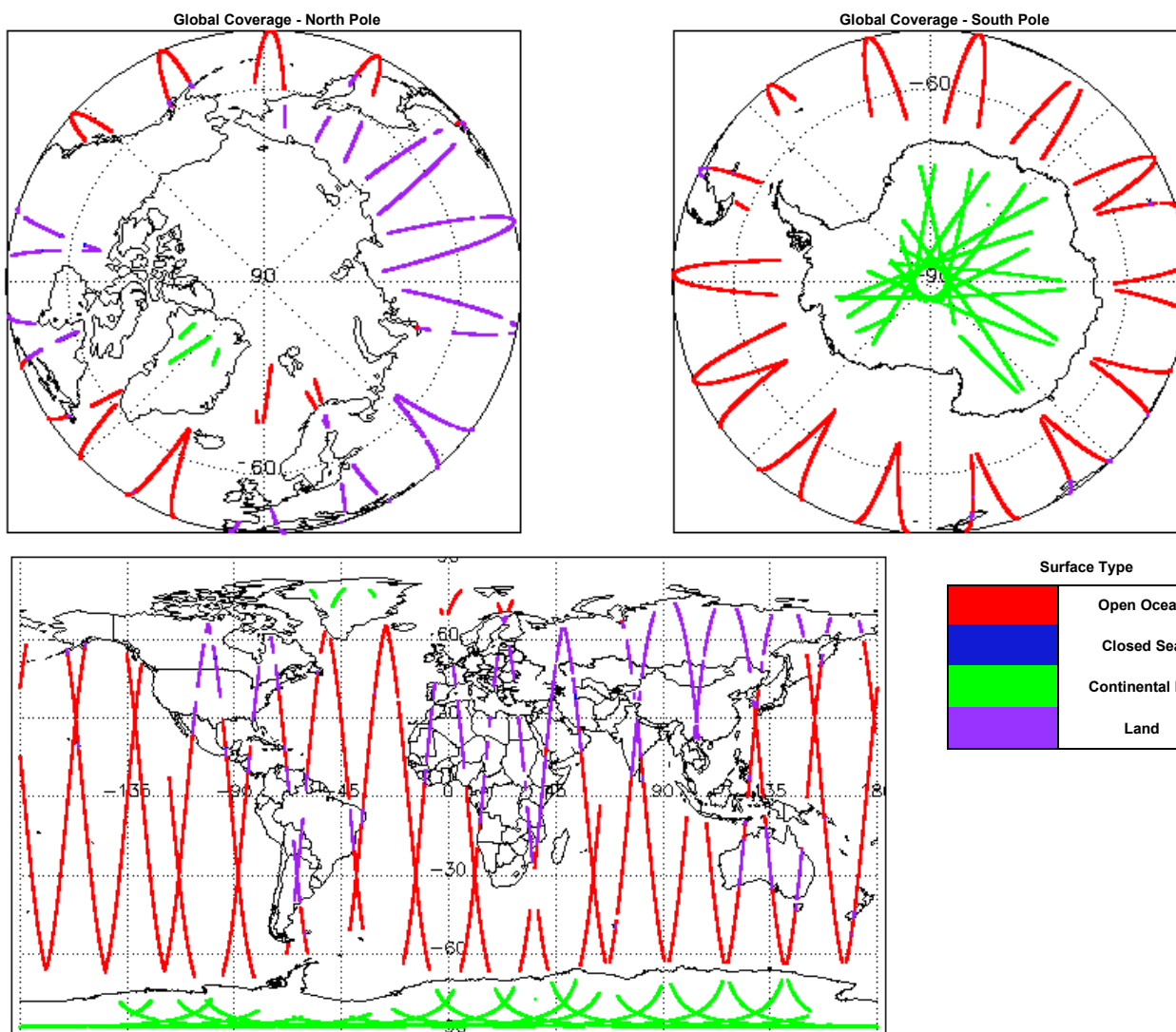
Report Production Date:	07-May-2020
Processor Used:	CryoSat Ice Processor
Data Used:	L1 and L2 Fast Delivery Marine (FDM) Mode and L0 Data

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	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

21-Apr-2020	Due to an incident on the SSALTO data server, AUX and AUXI production was delayed from ~22:00:00 UTC
22-Apr-2020	Due to an incident on the SSALTO data server, AUX and AUXI production was delayed for 24 hours
23-Apr-2020	Due to an incident on the SSALTO data server, AUX and AUXI production was delayed for 24 hours

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: 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: 9

Product	Test Failed
CS_OPER_SIR1SAR_0_20200422T002803_20200422T002953_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_0_20200422T010726_20200422T011502_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_0_20200422T041044_20200422T041329_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_0_20200422T124025_20200422T125054_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_0_20200422T183902_20200422T184549_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_0_20200422T052133_20200422T052648_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_0_20200422T133249_20200422T133638_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_0_20200422T170003_20200422T170114_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_0_20200422T200701_20200422T200844_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_20200422T110124_20200422T110159_C001.DBL	FOS Predicted Orbit (MPL_ORBPRES) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200422T110159_20200422T110202_C001.DBL	FOS Predicted Orbit (MPL_ORBPRES) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200422T123544_20200422T123804_C001.DBL	FOS Predicted Orbit (MPL_ORBPRES) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200422T123804_20200422T124025_C001.DBL	FOS Predicted Orbit (MPL_ORBPRES) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200422T141422_20200422T141548_C001.DBL	FOS Predicted Orbit (MPL_ORBPRES) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200422T141548_20200422T141744_C001.DBL	FOS Predicted Orbit (MPL_ORBPRES) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200422T173100_20200422T173742_C001.DBL	FOS Predicted Orbit (MPL_ORBPRES) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200422T173742_20200422T173827_C001.DBL	FOS Predicted Orbit (MPL_ORBPRES) 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_20200422T110124_20200422T110159_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20200422T123544_20200422T123804_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20200422T141422_20200422T141548_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20200422T173100_20200422T173742_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: 93

Product	AUX File	Comment
93 FDM_1B products from 22-04-2020 11:57:26 to 23-04-2020 00:05:50	AUXISURFPS, AUXISEAMPS, AUXIU_WIND, AUXIV_WIND, AUX_ALTGRD	Forecast Meteo AUXI 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: 93

Product	Test Failed	Description
93 FDM_1B products from 22-04-2020 11:57:26 to 23-04-2020 00:05:50	Dry tropospheric correction, Wet tropospheric correction, Inverse barometric correction, Dynamic atmosphere correction	Due to a missing Forecast Auxiliary Files there is an error with the Dry Tropospheric, Wet Tropospheric and Inverse Barometric 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: 4

Product	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20200422T110124_20200422T110159_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20200422T123544_20200422T123804_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20200422T141422_20200422T141548_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20200422T173100_20200422T173742_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: 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: 12

Product	Test Failed
CS_OFFL_SIR_FDM_2_20200422T091211_20200422T091325_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20200422T110124_20200422T110159_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20200422T110159_20200422T110202_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20200422T112605_20200422T115120_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20200422T123544_20200422T123804_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20200422T123804_20200422T124025_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20200422T141422_20200422T141548_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20200422T141548_20200422T141744_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20200422T173100_20200422T173742_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20200422T173742_20200422T173827_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20200422T193026_20200422T193043_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20200422T211432_20200422T211445_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: 93

Product	AUX File	Comment
93 FDM Level 2 products from 22-04-2020 11:57:26 to 23-04-2020 00:05:50	AUXISURFPS, AUXISEAMPS, AUXIU_WIND, AUXIV_WIND, AUX_ALTGRD	Forecast Meteo AUXI 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: 124

Product	Test Failed	Description
CS_OFFL_SIR_FDM_2_20200421T235028_20200422T001614_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_20200422T012558_20200422T014508_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_20200422T020859_20200422T023244_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_20200422T023252_20200422T024251_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_20200422T025618_20200422T025716_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_20200422T031830_20200422T032023_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_20200422T041329_20200422T042257_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_20200422T043425_20200422T043651_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_20200422T045324_20200422T051343_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_20200422T052829_20200422T055949_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_20200422T061718_20200422T063632_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_20200422T072508_20200422T073508_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_20200422T080128_20200422T081344_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_20200422T083010_20200422T083109_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_20200422T094834_20200422T101239_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_20200422T102620_20200422T105128_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_20200422T110124_20200422T110159_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_20200422T110159_20200422T110202_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_20200422T112605_20200422T115120_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_20200422T134352_20200422T135007_C001	Dry Tropospheric Correction, Wet Tropospheric Correction, Inverse barometric Correction, Sea State Bias Correction, U-component of the model wind vector, V-component of the model wind vector	Due to missing Forecast Auxiliary Files there is an error with the Dry Tropospheric, Wet Tropospheric, Inverse Barometric, and Sea State Bias Corrections and with the U-Wind and V-Wind components of the ECMWF model wind vector for one or more records
CS_OFFL_SIR_FDM_2_20200422T142127_20200422T142216_C001	Dry Tropospheric Correction, Wet Tropospheric Correction, Inverse barometric Correction, U-component of the model wind vector, V-component of the model wind vector	Due to missing Forecast Auxiliary Files there is an error with the Dry Tropospheric, Wet Tropospheric, Inverse Barometric, and with the U-Wind and V-Wind components of the ECMWF model wind vector for one or more records
CS_OFFL_SIR_FDM_2_20200422T152257_20200422T154205_C001	Dry Tropospheric Correction, Wet Tropospheric Correction, Inverse barometric Correction, U-component of the model wind vector, V-component of the model wind vector	Due to missing Forecast Auxiliary Files there is an error with the Dry Tropospheric, Wet Tropospheric, Inverse Barometric, and with the U-Wind and V-Wind components of the ECMWF model wind vector for one or more records
CS_OFFL_SIR_FDM_2_20200422T161444_20200422T164235_C001	Dry Tropospheric Correction, Wet Tropospheric Correction, Inverse barometric Correction, Sea State Bias Correction, U-component of the model wind vector, V-component of the model wind vector	Due to missing Forecast Auxiliary Files there is an error with the Dry Tropospheric, Wet Tropospheric, Inverse Barometric, and Sea State Bias Corrections and with the U-Wind and V-Wind components of the ECMWF model wind vector for one or more records
CS_OFFL_SIR_FDM_2_20200422T164246_20200422T164806_C001	Dry Tropospheric Correction, Wet Tropospheric Correction, Inverse barometric Correction, U-component of the model wind vector, V-component of the model wind vector	Due to missing Forecast Auxiliary Files there is an error with the Dry Tropospheric, Wet Tropospheric, Inverse Barometric, and with the U-Wind and V-Wind components of the ECMWF model wind vector for one or more records
CS_OFFL_SIR_FDM_2_20200422T182116_20200422T182732_C001	Dry Tropospheric Correction, Wet Tropospheric Correction, Inverse barometric Correction, Sea State Bias Correction, U-component of the model wind vector, V-component of the model wind vector	Due to missing Forecast Auxiliary Files there is an error with the Dry Tropospheric, Wet Tropospheric, Inverse Barometric, and Sea State Bias Corrections and with the U-Wind and V-Wind components of the ECMWF model wind vector for one or more records
CS_OFFL_SIR_FDM_2_20200422T184550_20200422T185815_C001	Dry Tropospheric Correction, Wet Tropospheric Correction, Inverse barometric Correction, U-component of the model wind vector, V-component of the model wind vector	Due to missing Forecast Auxiliary Files there is an error with the Dry Tropospheric, Wet Tropospheric, Inverse Barometric, and with the U-Wind and V-Wind components of the ECMWF model wind vector for one or more records
CS_OFFL_SIR_FDM_2_20200422T185933_20200422T191617_C001	Dry Tropospheric Correction, Wet Tropospheric Correction, Inverse barometric Correction, U-component of the model wind vector, V-component of the model wind vector	Due to missing Forecast Auxiliary Files there is an error with the Dry Tropospheric, Wet Tropospheric, Inverse Barometric, and with the U-Wind and V-Wind components of the ECMWF model wind vector for one or more records
CS_OFFL_SIR_FDM_2_20200422T202225_20200422T202714_C001	Dry Tropospheric Correction, Wet Tropospheric Correction, Inverse barometric Correction, U-component of the model wind vector, V-component of the model wind vector	Due to missing Forecast Auxiliary Files there is an error with the Dry Tropospheric, Wet Tropospheric, Inverse Barometric, and with the U-Wind and V-Wind components of the ECMWF model wind vector for one or more records
CS_OFFL_SIR_FDM_2_20200422T213033_20200422T214537_C001	Dry Tropospheric Correction, Wet Tropospheric Correction, Inverse barometric Correction, U-component of the model wind vector, V-component of the model wind vector	Due to missing Forecast Auxiliary Files there is an error with the Dry Tropospheric, Wet Tropospheric, Inverse Barometric, and with the U-Wind and V-Wind components of the ECMWF model wind vector for one or more records
SIR_FDM_2 from 2020-04-22 11:57:26 to 2020-04-22 23:35:54 (63 products)	Dry Tropospheric Correction, Wet Tropospheric Correction, U-component of the model wind vector, V-component of the model wind vector	Due to missing Forecast Auxiliary Files there is an error with the Dry Tropospheric, Wet Tropospheric and with the U-Wind and V-Wind components of the ECMWF model wind vector for one or more records
SIR_FDM_2 from 2020-04-22 12:05:17 to 2020-04-23 00:05:50 (17 products)	Dry Tropospheric Correction, Wet Tropospheric Correction, Inverse barometric Correction, Sea State Bias Correction, Altimetric Wind Speed, U-component of the model wind vector, V-component of the model wind vector	Due to missing Forecast Auxiliary Files there is an error with the Dry Tropospheric, Wet Tropospheric, Inverse Barometric, Altimetric wind speed, and Sea State Bias Corrections and with the U-Wind and V-Wind components of the ECMWF model wind vector 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

Product	Test Failed	Description
CS_OFFL_SIR_FDM_2_20200422T110124_20200422T110159_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_2_20200422T123544_20200422T123804_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_2_20200422T141422_20200422T141548_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_2_20200422T173100_20200422T173742_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.

CS_OFFL_SIR_FDM_2_20200422T070729_20200422T072306_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_20200422T072508_20200422T073508_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_20200422T080128_20200422T081344_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_20200422T084654_20200422T090132_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_20200422T094834_20200422T101239_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_20200422T102620_20200422T105128_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_20200422T110124_20200422T110159_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_20200422T112605_20200422T115120_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_20200422T120517_20200422T123508_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_20200422T125816_20200422T133040_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_20200422T134352_20200422T135007_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_20200422T135511_20200422T135842_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_20200422T143520_20200422T150936_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_20200422T152257_20200422T154205_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_20200422T161444_20200422T164235_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_20200422T164246_20200422T164806_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_20200422T170217_20200422T173025_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_20200422T173100_20200422T173742_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_20200422T175501_20200422T181000_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_20200422T181527_20200422T182037_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_20200422T182116_20200422T182732_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_20200422T184550_20200422T185815_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_20200422T193802_20200422T194912_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_20200422T195152_20200422T200639_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_20200422T202225_20200422T202714_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_20200422T204003_20200422T205131_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_20200422T215912_20200422T222607_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_20200422T225937_20200422T231957_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_20200422T232038_20200422T232503_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_20200422T233826_20200423T000550_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.

7. QCC Report Analysis

The Quality Control for CryoSat (QCC) facility performs a primary survey of data products immediately after production by the PDS and LTA processing facilities. A list of the tests which raised errors or warnings is provided below.

Product type	Nb. Products	Nb. QCC Reports	Nb. Valid	Nb. Warnings	Nb. Errors
SIR1LRM_0_	168	168	168	0	0
SIR1SAR_0_	124	124	124	0	0
SIR1SIN_0_	108	108	108	0	0
SIR2SIN_0_	113	113	113	0	0
SIR_FDM_1B	168	168	4	0	164
SIR_FDM_2	163	163	109	54	0

7.1 QCC Errors

Number of QCC reports with errors: 164

7.2 QCC Warnings

Number of QCC reports with warnings: 58

7.3 Missing QCC Reports

Number of products with missing QCC reports: 0