

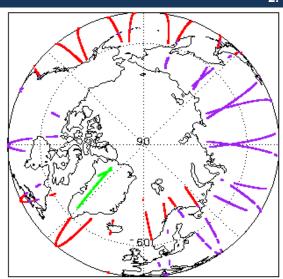
1. Overview

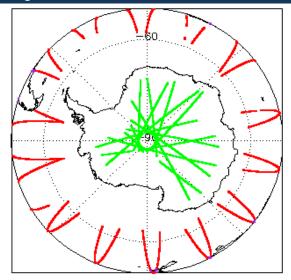
Report Production Date:	15-Jan-2021
Processor Used:	CryoSat Ice Processor
Data Used:	L1 and L2 Fast Delivery Marine (FDM) Mode and L0 Data

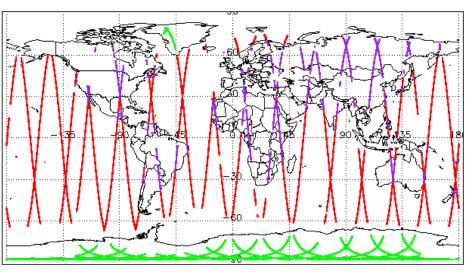
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2, 5.2 and 6.2
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check	Nominal
Auxiliary 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
QCC Error/ Warning Check	See Section 7.1 and 7.2

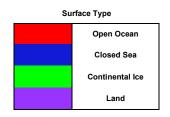
Mission / Instru	ment News
25-Dec-2020	None
26-Dec-2020	None
27-Dec-2020	Nothing planned

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

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:

Product	Test Failed
CS_OPER_SIR1SAR_0_20201226T114120_20201226T115013_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020201226T073859_20201226T074121_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020201226T081909_20201226T082204_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020201226T230524_20201226T230705_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:

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:

Product	Test Failed
CS_OFFL_SIR_FDM_1B_20201226T000144_20201226T000358_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20201226T013807_20201226T013906_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20201226T013906_20201226T013927_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20201226T102416_20201226T104526_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20201226T104602_20201226T104758_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20201226T105159_20201226T105527_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20201226T105535_20201226T105544_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20201226T105550_20201226T105917_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20201226T110213_20201226T112959_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20201226T113002_20201226T113050_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20201226T113055_20201226T113058_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.

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Number of products with errors:

Product	Test Failed
CS_OFFL_SIR_FDM_1B_20201225T235611_20201226T000144_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20201226T013807_20201226T013906_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:

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:

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: 0

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: 2

Product	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20201225T235611_20201226T000144_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20201226T013807_20201226T013906_C001	Attitude correction missing	The attitude has not been corrected

6. Level 2 FDM Data Quality Check

6.1 L2 FDM Product Format Check

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

Number of products with errors:

6.2 L2 FDM Product Header Analysis

Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start	Product	Test Failed
CS_OFFL_SIR_FDM_2_20201226T013807_20201226T013805_C001.DBL CS_OFFL_SIR_FDM_2_20201226T013806_C001.DBL CS_OFFL_SIR_FDM_2_20201226T013806_20201226T013805_C001.DBL CS_OFFL_SIR_FDM_2_20201226T013806_20201226T013805_C001.DBL CS_OFFL_SIR_FDM_2_20201226T013806_20201226T013805_C001.DBL CS_OFFL_SIR_FDM_2_20201226T03806_20201226T03805_C001.DBL CS_OFFL_SIR_FDM_2_20201226T03808_20201226T03805_C001.DBL CS_OFFL_SIR_FDM_2_20201226T03806_20201226T031002_C001.DBL CS_OFFL_SIR_FDM_2_20201226T03805_20201226T031002_C001.DBL CS_OFFL_SIR_FDM_2_20201226T03805_20201226T031002_C001.DBL CS_OFFL_SIR_FDM_2_20201226T03805_20201226T031002_C001.DBL CS_OFFL_SIR_FDM_2_20201226T03805_20201226T031002_C001.DBL CS_OFFL_SIR_FDM_2_20201226T03805_20201226T038102_C001.DBL CS_OFFL_SIR_FDM_2_20201226T03805_20201.DBL CS_OFFL_SIR_FDM_2_20201226T03805_20201226T03805_2001.DBL CS_OFFL_SIR_FDM_2_20201226T03	CS_OFFL_SIR_FDM_220201226T000144_20201226T000358_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_2_20201226T013807_20201226T013926_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). FOS_OFFL_SIR_FDM_2_20201226T014394_202011226T0143927_C001.DBL CS_OFFL_SIR_FDM_2_202011226T014394_202011226T014856_C001.DBL CS_OFFL_SIR_FDM_2_202011226T032858_202011226T032501_C001.DBL CS_OFFL_SIR_FDM_2_202011226T032808_202011226T031002_C001.DBL CS_OFFL_SIR_FDM_2_202011226T032808_202011226T031002_C001.DBL CS_OFFL_SIR_FDM_2_202011226T032506_202011226T031002_C001.DBL CS_OFFL_SIR_FDM_2_202011226T034980_202011226T031002_C001.DBL CS_OFFL_SIR_FDM_2_202011226T034980_202011226T034114_C001.DBL CS_OFFL_SIR_FDM_2_202011226T035238_202011226T056014_C001.DBL CS_OFFL_SIR_FDM_2_202011226T035238_202011226T056014_C001.DBL CS_OFFL_SIR_FDM_2_202011226T056238_202011226T056014_C001.DBL CS_OFFL_SIR_FDM_2_202011226T056238_202011226T056014_C001.DBL CS_OFFL_SIR_FDM_2_202011226T056238_202011226T056014_C001.DBL CS_OFFL_SIR_FDM_2_202011226T0560238_202011226T056014_C001.DBL CS_OFFL_SIR_FDM_2_202011226T060208_202011226T0606010_DBL CS_OFFL_SIR_FDM_2_202011226T060600_202011226T0606010_DBL CS_OFFL_SIR_FDM_2_202011226T060600_202011226T0606010_DBL CS_OFFL_SIR_FDM_2_202011226T060600_202011226T0606010_DBL CS_OFFL_SIR_FDM_2_202011226T106060_202011226T060600_DBL CS_OFFL_SIR_FDM_2_202011226T106060_202011226T106060_DBL CS_OFFL_SIR_FDM_2_202011226T106060_202011226T106060_DBL CS_OFFL_SIR_FDM_2_202011226T106060_202011226T106506_C001.DBL CS_OFFL_SIR_FDM_2_202011226T106060_202011226T106506_C001.DBL CS_OFFL_SIR_FDM_2_202011226T106060_202011226T106506_C001.DBL CS_OFFL_SIR_FDM_2_202011226T106060_202011226T106060_DBL CS_OFFL_SIR_FDM_2_202011226T106060_202011226T106060_DBL CS_OFFL_SIR_FDM_2_202011226T106060_202011226T106060_DBL CS_OFFL_SIR_FDM_2_202011226T106060_202011226T106060_DBL CS_OFFL_SIR_FDM_2_202011226T106060_DBL CS_OFFL_SIR_FDM_2_202011226T106060_DBL CS_OFFL_SIR_FDM_2_202011226T106060_DBL CS_OFFL_SIR_FDM_2_202011226T106060_DBL CS_OFFL_SIR_FDM_2_202011226T106060_DBL CS_OFFL_SIR_	CS_OFFL_SIR_FDM_220201226T002220_20201226T002457_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_2_20201226T014334_20201226T014419_C001.DBL CS_OFFL_SIR_FDM_2_20201226T024838_20201226T034055_C001.DBL CS_OFFL_SIR_FDM_2_20201226T024838_20201226T031002_C001.DBL CS_OFFL_SIR_FDM_2_20201226T030308_20201226T031002_C001.DBL CS_OFFL_SIR_FDM_2_20201226T034058_20201226T033051_C001.DBL CS_OFFL_SIR_FDM_2_20201226T034059_20201226T032511_C001.DBL CS_OFFL_SIR_FDM_2_20201226T034059_20201226T032511_C001.DBL CS_OFFL_SIR_FDM_2_20201226T034059_20201226T032511_C001.DBL CS_OFFL_SIR_FDM_2_20201226T034059_20201226T032011_C001.DBL CS_OFFL_SIR_FDM_2_20201226T035052_20201226T0302011_C001.DBL CS_OFFL_SIR_FDM_2_20201226T035235_20201226T035001_C001.DBL CS_OFFL_SIR_FDM_2_20201226T035235_20201226T035000_C001.DBL CS_OFFL_SIR_FDM_2_20201226T035235_20201226T035204_C001.DBL CS_OFFL_SIR_FDM_2_20201226T035235_20201226T0362129_C001.DBL CS_OFFL_SIR_FDM_2_20201226T035235_20201226T0362129_C001.DBL CS_OFFL_SIR_FDM_2_20201226T035235_20201226T0362129_C001.DBL CS_OFFL_SIR_FDM_2_20201226T035235_20201226T036523_2001.DBL CS_OFFL_SIR_FDM_2_20201226T035235_2020126T03405_C001.DBL CS_OFFL_SIR_FDM_2_20201226T036202_20201226T103405_C001.DBL CS_OFFL_SIR_FDM_2_20201226T036202_20201226T103405_C001.DBL CS_OFFL_SIR_FDM_2_20201226T103605_20201226T103526_C001.DBL CS_OFFL_SIR_FDM_2_20201226T103605_20201226T103527_C001.DBL CS_OFFL_SIR_FDM_2_20201226T103605_20201226T103527_C001.DBL CS_OFFL_SIR_FDM_2_20201226T103605_20201226T103527_C001.DBL CS_OFFL_SIR_FDM_2_20201226T103605_20201226T103534_C001.DBL CS_OFFL_SIR_FDM_2_20201226T103605_2020	CS_OFFL_SIR_FDM_220201226T002622_20201226T005218_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_2_20201226T03338_20201226T03419_C001.DBL Product filename start/stop differs slightly from start/stop validity due to rounding. CS_OFFL_SIR_FDM_2_20201226T032506_20201226T03102_C001.DBL Product filename start/stop differs slightly from start/stop validity due to rounding. CS_OFFL_SIR_FDM_2_20201226T032506_20201226T03124_C001.DBL Product filename start/stop differs slightly from start/stop validity due to rounding. CS_OFFL_SIR_FDM_2_20201226T032506_20201226T03124_C001.DBL Product filename start/stop differs slightly from start/stop validity due to rounding. CS_OFFL_SIR_FDM_2_20201226T050515_20201226T050211_C001.DBL Product filename start/stop differs slightly from start/stop validity due to rounding. CS_OFFL_SIR_FDM_2_20201226T0505325_20201226T050211_C001.DBL Product filename start/stop differs slightly from start/stop validity due to rounding. CS_OFFL_SIR_FDM_2_20201226T050525_20201226T060500_C001.DBL Product filename start/stop differs slightly from start/stop validity due to rounding. CS_OFFL_SIR_FDM_2_20201226T060500_20201226T060529_C001.DBL Product filename start/stop differs slightly from start/stop validity due to rounding. CS_OFFL_SIR_FDM_2_20201226T060500_20201226T060503_C001.DBL Product filename start/stop differs slightly from start/stop validity due to rounding. CS_OFFL_SIR_FDM_2_20201226T10406_20201226T005043_C001.DBL Product filename start/stop differs slightly from start/stop validity due to rounding. CS_OFFL_SIR_FDM_2_20201226T10406_20201226T1040526_C001.DBL Product filename start/stop differs slightly from start/stop validity due to rounding. CS_OFFL_SIR_FDM_2_20201226T10406_20201226T1040526_C001.DBL Product filename start/stop differs slightly from start/stop validity due to rounding. CS_OFFL_SIR_FDM_2_20201226T10406_20201226T104526_C001.DBL FOS_Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). CS_OFFL_SIR_FDM_2_20201226T105550_20201226T105517_C001.DBL FOS_Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV	CS_OFFL_SIR_FDM_220201226T013807_20201226T013906_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20201226T03498_20201226T03495_CO01_DBL Product filename start/stop differs slightly from start/stop validity due to rounding. CS_OFFL_SIR_FDM_2_20201226T034950_20201226T041124_CO01_DBL Product filename start/stop differs slightly from start/stop validity due to rounding. CS_OFFL_SIR_FDM_2_20201226T034950_20201226T051124_CO01_DBL Product filename start/stop differs slightly from start/stop validity due to rounding. CS_OFFL_SIR_FDM_2_20201226T0505151_20201226T050511_CO01_DBL CS_OFFL_SIR_FDM_2_20201226T0505325_20201226T055201_CO01_DBL CS_OFFL_SIR_FDM_2_20201226T055325_20201226T055201_CO01_DBL CS_OFFL_SIR_FDM_2_20201226T069000_20201226T062129_CO01_DBL CS_OFFL_SIR_FDM_2_20201226T083528_20201226T083529_CO01_DBL CS_OFFL_SIR_FDM_2_20201226T083528_20201226T083529_CO01_DBL CS_OFFL_SIR_FDM_2_20201226T02406_20201226T102409_CO01_DBL CS_OFFL_SIR_FDM_2_20201226T02406_20201226T10409_CO01_DBL CS_OFFL_SIR_FDM_2_20201226T102416_20201226T104269_CO01_DBL CS_OFFL_SIR_FDM_2_20201226T102416_20201226T10458_CO01_DBL CS_OFFL_SIR_FDM_2_20201226T102416_20201226T10458_CO01_DBL CS_OFFL_SIR_FDM_2_20201226T102416_20201226T10458_CO01_DBL CS_OFFL_SIR_FDM_2_20201226T102416_20201226T10458_CO01_DBL CS_OFFL_SIR_FDM_2_20201226T105535_20201226T10557_CO01_DBL CS_OFFL_SIR_FDM_2_20201226T105535_20201226T10557_CO01_DBL CS_OFFL_SIR_FDM_2_20201226T110555_20201226T10557_CO01_DBL CS_OFFL_SIR_FDM_2_20201226T113020_20201226T110550_CO01_DBL CS_OFFL_SIR_FDM_2_20201226T113020_20201226T110590_CO01_DBL CS_OFFL_SIR_FDM_2_20201226T113020_20201226T110590_CO01_DBL CS_OFFL_SIR_FDM_2_20201226T113020_20201226T110590_CO01_DBL CS_OFFL_SIR_FDM_2_20201226T113020_20201226T110590_CO01_DBL CS_OFFL_SIR_FDM_2_20201226T113020_20201226T110590_CO01_DBL CS_OFFL_SIR_FDM_2_20201226T113020_20201226T110590_CO01_DBL CS_OFFL_SIR_FDM_2_20201226T113020_20201226T110590_CO01_DBL CS_OFFL_SIR_FDM_2_20201226T113020_20201226T113050_CO01_DBL CS_OFFL_SIR_FDM_2_20201226T113020_20201226T113050_CO01_DBL CS_OFFL_SIR_FDM_2_20201226T113020_20201226T113050_CO	CS_OFFL_SIR_FDM_220201226T013906_20201226T013927_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20201226T030308_20201226T031002_C001.DBL Product filename start/stop differs slightly from start/stop validity due to rounding. CS_OFFL_SIR_FDM_2_20201226T035256_20201226T041124_C001.DBL Product filename start/stop differs slightly from start/stop validity due to rounding. CS_OFFL_SIR_FDM_2_20201226T055133_20201226T055041_C001.DBL CS_OFFL_SIR_FDM_2_20201226T055235_20201226T055041_C001.DBL CS_OFFL_SIR_FDM_2_20201226T055235_20201226T055040_C001.DBL CS_OFFL_SIR_FDM_2_20201226T055235_20201226T0552060_C001.DBL CS_OFFL_SIR_FDM_2_20201226T069000_20201226T069520_C001.DBL CS_OFFL_SIR_FDM_2_20201226T069000_20201226T083528_20201226T083529_C001.DBL CS_OFFL_SIR_FDM_2_20201226T083528_20201226T085235_C001.DBL CS_OFFL_SIR_FDM_2_20201226T030302_20201226T085265_C001.DBL CS_OFFL_SIR_FDM_2_20201226T0406000_20201226T104409_C001.DBL CS_OFFL_SIR_FDM_2_20201226T104406_20201226T104506_C001.DBL CS_OFFL_SIR_FDM_2_20201226T104406_20201226T104506_C001.DBL CS_OFFL_SIR_FDM_2_20201226T104060_20201226T10458_C001.DBL CS_OFFL_SIR_FDM_2_20201226T105505_20201226T10557C_C001.DBL CS_OFFL_SIR_FDM_2_20201226T105550_20201226T105544_C001.DBL CS_OFFL_SIR_FDM_2_20201226T105550_20201226T105544_C001.DBL CS_OFFL_SIR_FDM_2_20201226T105550_20201226T1105544_C001.DBL CS_OFFL_SIR_FDM_2_20201226T105550_20201226T110550_C001.DBL CS_OFFL_SIR_FDM_2_20201226T10550_20201226T110550_C001.DBL CS_OFFL_SIR_FDM_2_20201226T10550_20201226T110550_C001.DBL CS_OFFL_SIR_FDM_2_20201226T10550_20201226T110550_C001.DBL CS_OFFL_SIR_FDM_2_20201226T10550_20201226T110550_C001.DBL CS_OFFL_SIR_FDM_2_20201226T103052_20201226T110550_C001.DBL CS_OFFL_SIR_FDM_2_20201226T103053_20201226T110550_C001.DBL CS_OFFL_SIR_FDM_2_20201226T100550_20201226T100550_C001.DBL CS_OFFL_SIR_FDM_2_20201226T100550_20201226T100550_C001.DBL CS_OFFL_SIR_FDM_2_20201226T100550_20201226T100550_C001.DBL CS_OFFL_SIR_FDM_2_20201226T100550_20201226T100550_C001.DBL CS_OFFL_SIR_FDM_2_20201226T100550_20201226T100550_C001.DBL CS_OFFL_SIR_FDM_2_20201226T100550_20201226T100550_C001.D	CS_OFFL_SIR_FDM_220201226T014334_20201226T014419_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_2_20201226T032506_20201226T050211_CO01.DBL Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from	CS_OFFL_SIR_FDM_220201226T024838_20201226T024855_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
Product filename start/stop differs slightly from start/stop validity due to rounding. CS_OFFL_SIR_FDM_2_20201226T050151_20201226T0505041_C001.DBL Product filename start/stop differs slightly from start/stop validity due to rounding. CS_OFFL_SIR_FDM_2_20201226T0505235_20201226T055041_C001.DBL Product filename start/stop differs slightly from start/stop validity due to rounding. CS_OFFL_SIR_FDM_2_20201226T069900_20201226T062129_C001.DBL Product filename start/stop differs slightly from start/stop validity due to rounding. CS_OFFL_SIR_FDM_2_20201226T083528_20201226T083529_C001.DBL CS_OFFL_SIR_FDM_2_20201226T092302_20201226T095643_C001.DBL CS_OFFL_SIR_FDM_2_20201226T10406_20201226T104526_C001.DBL CS_OFFL_SIR_FDM_2_20201226T10406_20201226T104526_C001.DBL CS_OFFL_SIR_FDM_2_20201226T10406_20201226T104526_C001.DBL CS_OFFL_SIR_FDM_2_20201226T10406_20201226T104526_C001.DBL CS_OFFL_SIR_FDM_2_20201226T104052_C001.DBL CS_OFFL_SIR_FDM_2_20201226T104052_C001.DBL CS_OFFL_SIR_FDM_2_20201226T10553_C001226T104526_C001.DBL CS_OFFL_SIR_FDM_2_20201226T10553_C001226T105544_C001.DBL CS_OFFL_SIR_FDM_2_20201226T10553_20201226T105544_C001.DBL CS_OFFL_SIR_FDM_2_20201226T10553_20201226T105544_C001.DBL CS_OFFL_SIR_FDM_2_20201226T10553_20201226T105544_C001.DBL CS_OFFL_SIR_FDM_2_20201226T10553_20201226T105544_C001.DBL CS_OFFL_SIR_FDM_2_20201226T10553_20201226T105544_C001.DBL CS_OFFL_SIR_FDM_2_20201226T10553_20201226T105544_C001.DBL CS_OFFL_SIR_FDM_2_20201226T10555_20201226T105544_C001.DBL CS_OFFL_SIR_FDM_2_20201226T10555_20201226T105544_C001.DBL CS_OFFL_SIR_FDM_2_20201226T10555_20201226T105544_C001.DBL CS_OFFL_SIR_FDM_2_20201226T10555_20201226T105544_C001.DBL CS_OFFL_SIR_FDM_2_20201226T10555_20201226T105544_C001.DBL CS_OFFL_SIR_FDM_2_20201226T10555_20201226T105544_C001.DBL CS_OFFL_SIR_FDM_2_20201226T10555_20201226T105544_C001.DBL CS_OFFL_SIR_FDM_2_20201226T10555_20201226T105544_C001.DBL CS_OFFL_SIR_FDM_2_20201226T10555_20201226T105544_C001.DBL CS_OFFL_SIR_FDM_2_20201226T10555_20201226T105064_C001.DBL CS_OFFL_	CS_OFFL_SIR_FDM_220201226T030308_20201226T031002_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_2_20201226T055151_20201226T055041_C001.DBL Product filename start/stop differs slightly from start/stop validity due to rounding. CS_OFFL_SIR_FDM_2_20201226T065235_20201226T062129_C001.DBL Product filename start/stop differs slightly from start/stop validity due to rounding. CS_OFFL_SIR_FDM_2_20201226T083528_20201226T083529_C001.DBL Product filename start/stop differs slightly from start/stop validity due to rounding. CS_OFFL_SIR_FDM_2_20201226T092302_20201226T093529_C001.DBL Product filename start/stop differs slightly from start/stop validity due to rounding. CS_OFFL_SIR_FDM_2_20201226T092302_20201226T093632_C001.DBL CS_OFFL_SIR_FDM_2_20201226T102406_20201226T102409_C001.DBL CS_OFFL_SIR_FDM_2_20201226T102416_20201226T104526_C001.DBL CS_OFFL_SIR_FDM_2_20201226T104416_20201226T104526_C001.DBL CS_OFFL_SIR_FDM_2_20201226T104416_20201226T104526_C001.DBL CS_OFFL_SIR_FDM_2_20201226T104602_20201226T104526_C001.DBL CS_OFFL_SIR_FDM_2_20201226T10559_20201226T104552_C001.DBL CS_OFFL_SIR_FDM_2_20201226T10559_20201226T105527_C001.DBL CS_OFFL_SIR_FDM_2_20201226T10559_20201226T105544_C001.DBL CS_OFFL_SIR_FDM_2_20201226T10550_20201226T105947_C001.DBL CS_OFFL_SIR_FDM_2_20201226T10550_20201226T105947_C001.DBL CS_OFFL_SIR_FDM_2_20201226T110202_20201226T105940_C001.DBL CS_OFFL_SIR_FDM_2_20201226T110522_20201226T110500_C001.DBL CS_OFFL_SIR_FDM_2_20201226T110505_20201226T110500_C001.DBL CS_OFFL_SIR_FDM_2_20201226T110505_20201226T110500_C001.DBL CS_OFFL_SIR_FDM_2_20201226T110505_20201226T110500_C001.DBL CS_OFFL_SIR_FDM_2_20201226T110505_20201226T110500_C001.DBL CS_OFFL_SIR_FDM_2_20201226T110505_20201226T105000_C001.DBL CS_OFFL_SIR_FDM_2_20201226T110505_20201226T105000_C001.DBL CS_OFFL_SIR_FDM_2_20201226T110500_C001.DBL CS_OFFL_SIR_FDM_2_20201226T110500_C001.DBL CS_OFFL_SIR_FDM_2_20201226T110500_C001226T105000_C001.DBL CS_OFFL_SIR_FDM_2_20201226T105000_C001226T105000_C001.DBL CS_OFFL_SIR_FDM_2_20201226T105000_C001226T105000_C001.DBL CS_OFFL_SIR_FDM_2_20201226T105000_C001226T105000_C001.	CS_OFFL_SIR_FDM_220201226T032506_20201226T032511_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
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FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). CS_OFFL_SIR_FDM_2_20201226T104602_20201226T10552T_C001.DBL CS_OFFL_SIR_FDM_2_20201226T105159_20201226T10552T_C001.DBL CS_OFFL_SIR_FDM_2_20201226T105535_20201226T105544_C001.DBL CS_OFFL_SIR_FDM_2_20201226T105550_20201226T10559T_C001.DBL CS_OFFL_SIR_FDM_2_20201226T105550_20201226T10591T_C001.DBL CS_OFFL_SIR_FDM_2_20201226T10213_20201226T10591T_C001.DBL CS_OFFL_SIR_FDM_2_20201226T110213_20201226T110591T_C001.DBL CS_OFFL_SIR_FDM_2_20201226T1100213_20201226T1100000000000000000000000000000	CS_OFFL_SIR_FDM_220201226T092302_20201226T095643_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_2_20201226T104602_20201226T104758_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). CS_OFFL_SIR_FDM_2_20201226T105535_20201226T10552T_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). FOS Predicte	CS_OFFL_SIR_FDM_220201226T102406_20201226T102409_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_2_20201226T105159_20201226T105527_C001.DBL CS_OFFL_SIR_FDM_2_20201226T105535_20201226T105544_C001.DBL CS_OFFL_SIR_FDM_2_20201226T105535_20201226T105917_C001.DBL CS_OFFL_SIR_FDM_2_20201226T105550_20201226T105917_C001.DBL CS_OFFL_SIR_FDM_2_20201226T110213_20201226T112959_C001.DBL CS_OFFL_SIR_FDM_2_20201226T110213_20201226T113050_C001.DBL CS_OFFL_SIR_FDM_2_20201226T113002_20201226T113055_C001.DBL CS_OFFL_SIR_FDM_2_20201226T113055_20201226T113058_C001.DBL CS_OFFL_SIR_FDM_2_20201226T133534_20201226T133614_C001.DBL CS_OFFL_SIR_FDM_2_20201226T133534_20201226T13051_C001.DBL CS_OFFL_SIR_FDM_2_20201226T13055_20201226T13051_C001.DBL CS_OFFL_SIR_FDM_2_20201226T13055_20201226T13051_C001.DBL CS_OFFL_SIR_FDM_2_20201226T13055_20201226T13051_C001.DBL CS_OFFL_SIR_FDM_2_20201226T130517_20201226T150927_C001.DBL CS_OFFL_SIR_FDM_2_20201226T180215_20201226T181052_C001.DBL CS_OFFL_SIR_FDM_2_20201226T180215_20201226T181052_C001.DBL CS_OFFL_SIR_FDM_2_20201226T195142_20201226T181052_C001.DBL CS_OFFL_SIR_FDM_2_20201226T195142_20201226T195147_C001.DBL Product filename start/stop differs slightly from start/stop validity due to rounding. CS_OFFL_SIR_FDM_2_20201226T195142_20201226T195147_C001.DBL Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding.	CS_OFFL_SIR_FDM_220201226T102416_20201226T104526_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20201226T105535_20201226T105544_C001.DBL CS_OFFL_SIR_FDM_2_20201226T105555_20201226T105917_C001.DBL CS_OFFL_SIR_FDM_2_20201226T110213_20201226T112959_C001.DBL CS_OFFL_SIR_FDM_2_20201226T110213_20201226T113050_C001.DBL CS_OFFL_SIR_FDM_2_20201226T113002_20201226T113055_C001.DBL CS_OFFL_SIR_FDM_2_20201226T113055_20201226T113058_C001.DBL CS_OFFL_SIR_FDM_2_20201226T133534_20201226T133614_C001.DBL CS_OFFL_SIR_FDM_2_20201226T133534_20201226T13059_C001.DBL CS_OFFL_SIR_FDM_2_20201226T150817_20201226T150927_C001.DBL CS_OFFL_SIR_FDM_2_20201226T150817_20201226T181052_C001.DBL CS_OFFL_SIR_FDM_2_20201226T180215_20201226T181052_C001.DBL CS_OFFL_SIR_FDM_2_20201226T195142_20201226T181052_C001.DBL CS_OFFL_SIR_FDM_2_20201226T195142_20201226T195147_C001.DBL CS_OFFL_SIR_FDM_2_20201226T195142_20201226T195147_C001.DBL CS_OFFL_SIR_FDM_2_20201226T195142_20201226T195147_C001.DBL CS_OFFL_SIR_FDM_2_20201226T195142_20201226T195147_C001.DBL Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding.	CS_OFFL_SIR_FDM_220201226T104602_20201226T104758_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20201226T105550_20201226T105917_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). CS_OFFL_SIR_FDM_2_20201226T110213_20201226T112959_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). CS_OFFL_SIR_FDM_2_20201226T113002_20201226T113055_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). CS_OFFL_SIR_FDM_2_20201226T113055_20201226T113058_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). Product filename start/stop differs slightly from start/stop validity due to rounding. CS_OFFL_SIR_FDM_2_20201226T150817_20201226T18052_C001.DBL CS_OFFL_SIR_FDM_2_20201226T180215_20201226T181052_C001.DBL CS_OFFL_SIR_FDM_2_20201226T195142_20201226T195147_C001.DBL Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding.	CS_OFFL_SIR_FDM_220201226T105159_20201226T105527_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20201226T110213_20201226T112959_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding.	CS_OFFL_SIR_FDM_220201226T105535_20201226T105544_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20201226T113002_20201226T113050_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). Product filename start/stop differs slightly from start/stop validity due to rounding. FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding.	CS_OFFL_SIR_FDM_220201226T105550_20201226T105917_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20201226T113055_20201226T113058_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). Product filename start/stop differs slightly from start/stop validity due to rounding. CS_OFFL_SIR_FDM_2_20201226T150817_20201226T150927_C001.DBL Product filename start/stop differs slightly from start/stop validity due to rounding. CS_OFFL_SIR_FDM_2_20201226T180215_20201226T181052_C001.DBL Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding.	CS_OFFL_SIR_FDM_220201226T110213_20201226T112959_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20201226T133534_20201226T133614_C001.DBL Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding.	CS_OFFL_SIR_FDM_220201226T113002_20201226T113050_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20201226T150817_20201226T150927_C001.DBL Product filename start/stop differs slightly from start/stop validity due to rounding. CS_OFFL_SIR_FDM_2_20201226T180215_20201226T181052_C001.DBL Product filename start/stop differs slightly from start/stop validity due to rounding. CS_OFFL_SIR_FDM_2_20201226T195142_20201226T195147_C001.DBL Product filename start/stop differs slightly from start/stop validity due to rounding.	CS_OFFL_SIR_FDM_220201226T113055_20201226T113058_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20201226T180215_20201226T181052_C001.DBL Product filename start/stop differs slightly from start/stop validity due to rounding. Product filename start/stop differs slightly from start/stop validity due to rounding.	CS_OFFL_SIR_FDM_220201226T133534_20201226T133614_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_2_20201226T195142_20201226T195147_C001.DBL Product filename start/stop differs slightly from start/stop validity due to rounding.	CS_OFFL_SIR_FDM_220201226T150817_20201226T150927_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
	CS_OFFL_SIR_FDM_220201226T180215_20201226T181052_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220201226T204830_20201226T205631_C001.DBL Product filename start/stop differs slightly from start/stop validity due to rounding.	CS_OFFL_SIR_FDM_220201226T195142_20201226T195147_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
	CS_OFFL_SIR_FDM_220201226T204830_20201226T205631_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220201226T205911_20201226T211352_C001.DBL Product filename start/stop differs slightly from start/stop validity due to rounding.	CS_OFFL_SIR_FDM_220201226T205911_20201226T211352_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.

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:

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_220201226T002622_20201226T005218_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220201226T010817_20201226T012248_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220201226T013109_20201226T013338_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220201226T014446_20201226T014540_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_220201226T015814_20201226T023211_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220201226T024838_20201226T024855_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_220201226T031146_20201226T031430_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220201226T033744_20201226T034703_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_220201226T034950_20201226T041124_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_220201226T042802_20201226T043821_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_220201226T044008_20201226T044725_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_220201226T044815_20201226T045242_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_220201226T050042_20201226T050104_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220201226T051501_20201226T051528_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_220201226T051733_20201226T055041_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_220201226T060900_20201226T062129_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_220201226T062145_20201226T063914_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_220201226T065444_20201226T065502_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_220201226T070039_20201226T071224_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_220201226T071428_20201226T072941_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_220201226T074609_20201226T075426_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_220201226T080256_20201226T081500_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_220201226T092302_20201226T095643_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_220201226T102416_20201226T104526_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_220201226T110213_20201226T112959_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_220201226T115822_20201226T122706_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_220201226T142156_20201226T145501_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_220201226T150817_20201226T150927_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220201226T152744_20201226T154414_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_220201226T160031_20201226T163420_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_220201226T165850_20201226T170318_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_220201226T174028_20201226T175453_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_220201226T180215_20201226T181052_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_220201226T182919_20201226T184702_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220201226T184834_20201226T190237_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_220201226T191924_20201226T193444_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_220201226T193645_20201226T194608_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_220201226T200933_20201226T201014_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_220201226T201159_20201226T201244_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_220201226T201309_20201226T202514_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_220201226T203417_20201226T203453_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_220201226T204111_20201226T204445_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_220201226T215111_20201226T222403_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_220201226T223833_20201226T230302_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_220201226T233501_20201227T000202_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:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220201225T235611_20201226T000144_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220201226T013807_20201226T013906_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_220201226T034950_20201226T041124_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_20201226T042802_20201226T043821_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_20201226T044008_20201226T044725_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_20201226T044815_20201226T045242_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_20201226T051733_20201226T055041_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_220201226T060900_20201226T062129_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_20201226T070039_20201226T071224_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_20201226T071428_20201226T072941_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_20201226T074609_20201226T075426_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_220201226T080256_20201226T081500_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_20201226T092302_20201226T095643_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_20201226T102416_20201226T104526_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_20201226T110213_20201226T112959_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_20201226T115822_20201226T122706_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_20201226T142156_20201226T145501_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_20201226T160031_20201226T163420_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_20201226T165850_20201226T170318_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_20201226T174028_20201226T175453_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_20201226T180215_20201226T181052_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_20201226T191924_20201226T193444_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_220201226T193645_20201226T194608_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_20201226T201309_20201226T202514_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_20201226T203417_20201226T203453_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_20201226T215111_20201226T222403_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_20201226T223833_20201226T230302_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_20201226T233501_20201227T000202_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:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_2_20201226T034950_20201226T041124_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_220201226T042802_20201226T043821_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_220201226T044008_20201226T044725_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_20201226T044815_20201226T045242_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_20201226T051733_20201226T055041_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_20201226T060900_20201226T062129_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_220201226T070039_20201226T071224_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_220201226T071428_20201226T072941_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_220201226T074609_20201226T075426_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_220201226T080256_20201226T081500_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_220201226T092302_20201226T095643_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_220201226T102416_20201226T104526_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_220201226T110213_20201226T112959_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_220201226T115822_20201226T122706_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.

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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
	Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag

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:

Description The Ocean Retracking Quality Flag is set indicating the CFI Ocean CS OFFL SIR FDM 2 20201226T002220 20201226T002457 C001 Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records The Ocean Retracking Quality Flag is set indicating the CFI Ocean CS_OFFL_SIR_FDM_2__20201226T002622_20201226T005218_C001 Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean CS_OFFL_SIR_FDM_2__20201226T010817_20201226T012248_C001 Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean CS_OFFL_SIR_FDM_2__20201226T013109_20201226T013338_C001 Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean CS_OFFL_SIR_FDM_2__20201226T031146_20201226T031430_C001 Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean CS_OFFL_SIR_FDM_2__20201226T033744_20201226T034703_C001 Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean CS OFFL SIR FDM 2 20201226T034950 20201226T041124 C001 Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records The Ocean Retracking Quality Flag is set indicating the CFI Ocean CS_OFFL_SIR_FDM_2__20201226T042802_20201226T043821_C001 Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean CS_OFFL_SIR_FDM_2__20201226T044008_20201226T044725_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. CS_OFFL_SIR_FDM_2__20201226T044815_20201226T045242_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI Ocean CS OFFL SIR FDM 2 20201226T050042 20201226T050104 C001 Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean CS_OFFL_SIR_FDM_2__20201226T051733_20201226T055041_C001 Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean CS_OFFL_SIR_FDM_2__20201226T060900_20201226T062129_C001 Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean CS_OFFL_SIR_FDM_2__20201226T070039_20201226T071224_C001 Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean CS_OFFL_SIR_FDM_2__20201226T071428_20201226T072941_C001 Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean CS OFFL SIR FDM 2 20201226T074609 20201226T075426 C001 Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean CS_OFFL_SIR_FDM_2__20201226T080256_20201226T081500_C001 Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean CS OFFL SIR FDM 2 20201226T092302 20201226T095643 C001 Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean CS_OFFL_SIR_FDM_2__20201226T102416_20201226T104526_C001 Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean CS_OFFL_SIR_FDM_2__20201226T110213_20201226T112959_C001 Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records The Ocean Retracking Quality Flag is set indicating the CFI Ocean CS_OFFL_SIR_FDM_2__20201226T115822_20201226T122706_C001 Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean CS OFFL SIR FDM 2 20201226T132847 20201226T133048 C001 Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean CS OFFL SIR FDM 2 20201226T134134 20201226T134740 C001 Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean CS_OFFL_SIR_FDM_2__20201226T142156_20201226T145501_C001 Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean CS_OFFL_SIR_FDM_2__20201226T152744_20201226T154414_C001 Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean CS_OFFL_SIR_FDM_2__20201226T160031_20201226T163420_C001 Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean CS_OFFL_SIR_FDM_2_20201226T165850_20201226T170318_C001 Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean CS OFFL SIR FDM 2 20201226T174028 20201226T175453 C001 Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean CS_OFFL_SIR_FDM_2_20201226T180215_20201226T181052_C001 Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records.

CS_OFFL_SIR_FDM_220201226T191924_20201226T193444_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_220201226T193645_20201226T194608_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_20201226T201159_20201226T201244_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_220201226T201309_20201226T202514_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_20201226T203209_20201226T203414_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_220201226T203417_20201226T203453_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_20201226T215111_20201226T222403_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_220201226T223833_20201226T230302_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_20201226T233501_20201227T000202_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_	201	201	201	0	0
SIR1SAR_0_	132	132	132	0	0
SIR1SIN_0_	108	108	108	0	0
SIR2SIN_0_	111	111	111	0	0
SIR_FDM_1B	201	201	1	0	200
SIR_FDM_2	192	192	137	55	0

7.1 QCC Errors

Number of QCC reports with errors:

200

Total number of occurrences of each error

Product Type	UVOB	-	-	-	-	-	-	-	-	-	-
SIR_FDM_1B	200										

7.2 QCC Warnings

Number of QCC reports with warnings

192

Total number of occurrences of each warning

Product Type	MVSIO	MVSIOFD	RAGCOFOFD	RBSZO	RBSZOFD	RSSBCO	-	-	-	-	-	
SIR_FDM_1B	0	0	1	0	0	0						
SIR_FDM_2_	45	39	0	44	49	14						

Test Description Key:							
Abbreviation	Test name	Details					
MVSIO	MissingValueShortIntOcean	The value should not be a 'missing value' for surface type 0 only					
MVSIOFD	MissingValueShortIntOceanFD2	The value should not be a 'missing value' for surface type 0 only					
RAGCOFOFD	RangeAGCOrFlaggedOceanFD3	The AGC should be between 0 and 6200 or the AGC_Inconsistency flag should be set for surface type = ocean					
RBSZO	RangeBackscatterSigmaZeroOcean	The backscatter sigma zero should be between 700 and 3000 (or missing) for surface type = ocean					
RBSZOFD	RangeBackscatterSigmaZeroOceanFD2	The backscatter sigma zero should be between 700 and 3000 (or missing) for surface type = ocean					
RSSBCO	RangeSeaStateBiasCorrectionOcean	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean					

7.3 Missing QCC Reports

Number of products with missing QCC reports:

0