

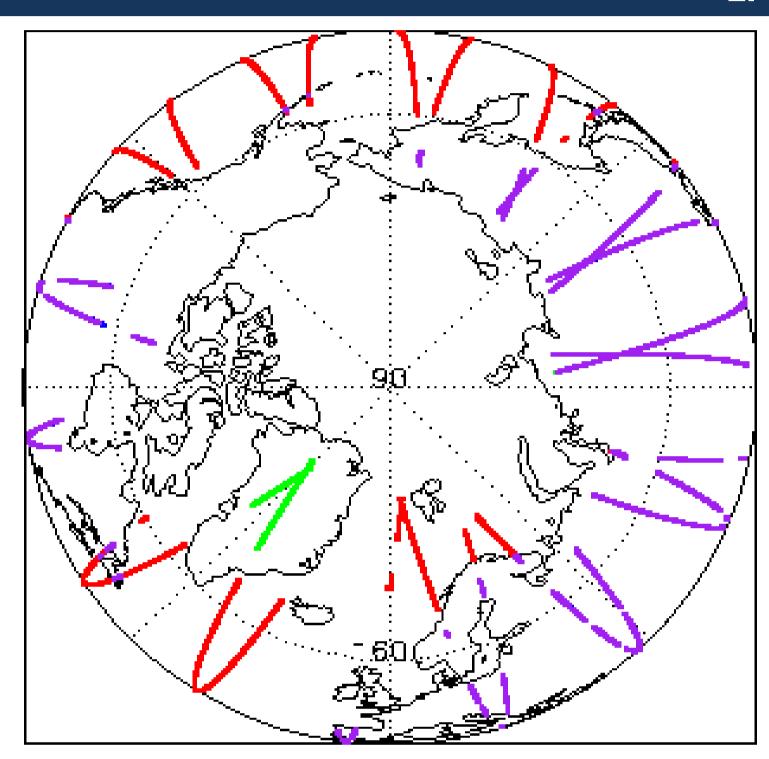
### 1. Overview

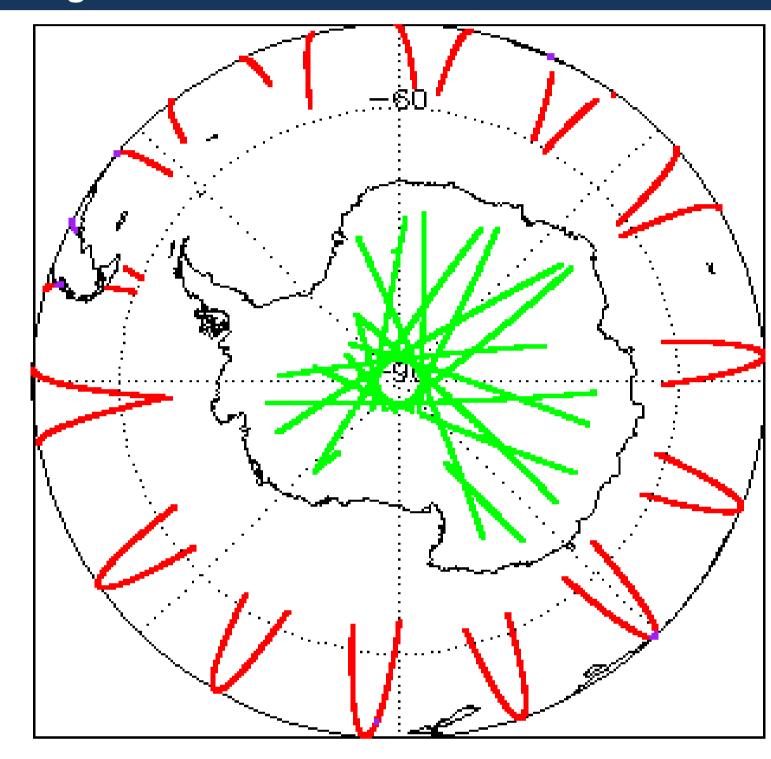
Report Production Date:	11-Dec-2020	
Report i roduction bate.	11-060-2020	
Processor Used:	CryoSat Ice Processor	
Data Used:	L1 and L2 Fast Delivery Marine (FDM)  Mode and L0 Data	

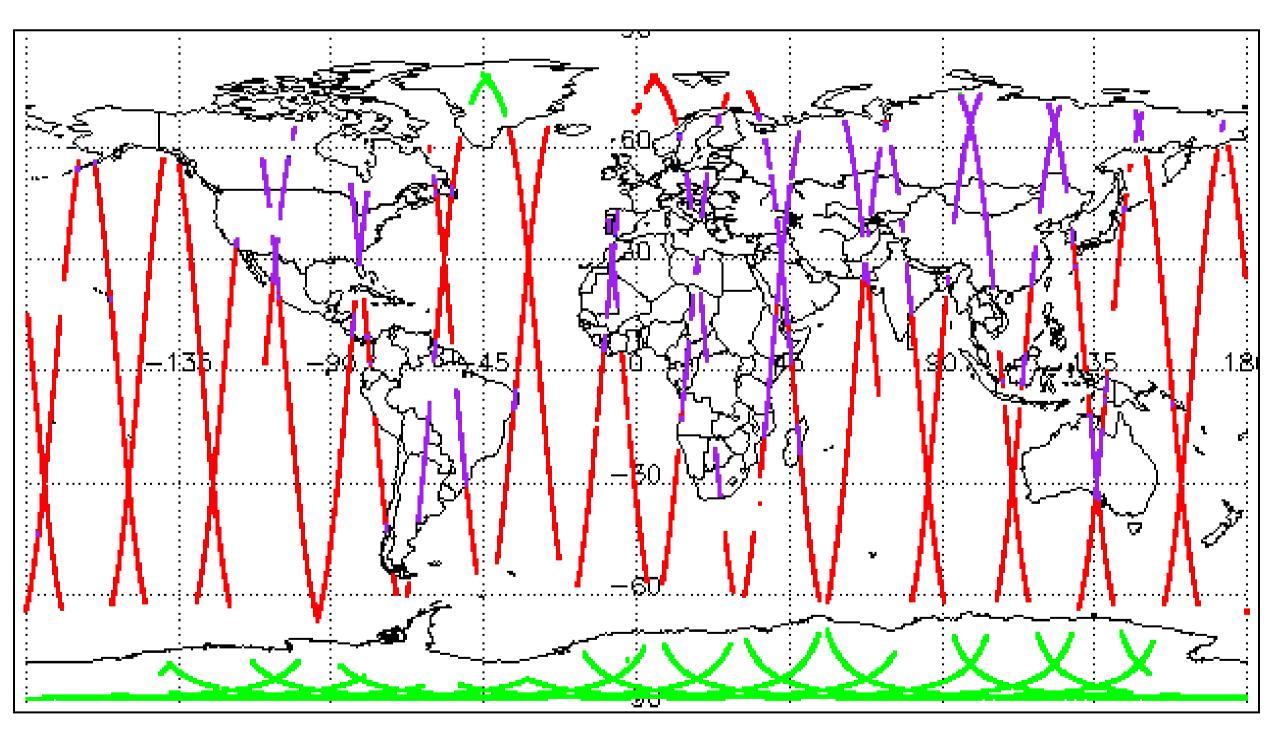
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check	Nominal
Auxiliary Data File Usage Check	See Section 5.5 and 6.3
Auxiliary Correction Error Check	See Section 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

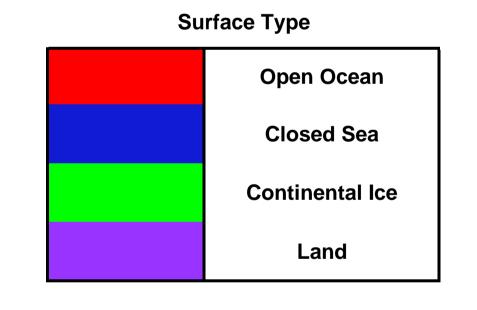
	Mission / Instrument News		
	09-Dec-2020	None	
10-Dec-2020 None		None	
	11-Dec-2020	Nothing planned	

## 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

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

#### **4.2 L0 Product Header Analysis**

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

**Number of products with errors:** 

22

Product	Test Failed
CS_OPER_SIR1SAR_020201210T020103_20201210T021041_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020201210T024714_20201210T025054_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020201210T051420_20201210T051927_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020201210T052209_20201210T053004_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020201210T124225_20201210T124315_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020201210T133423_20201210T134201_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020201210T170355_20201210T171118_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020201210T204050_20201210T204302_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020201210T225236_20201210T225324_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020201210T002839_20201210T004054_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020201210T011105_20201210T011225_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020201210T092443_20201210T092631_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020201210T110350_20201210T110704_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020201210T160933_20201210T161234_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020201210T193247_20201210T193413_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020201210T205814_20201210T210419_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020201210T220239_20201210T220323_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020201210T011311_20201210T011508_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020201210T093312_20201210T094006_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020201210T174835_20201210T175341_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020201210T183934_20201210T184222_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020201210T211149_20201210T211331_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_20201210T001130_20201210T001759_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20201210T001759_20201210T001931_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20201210T015223_20201210T015447_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20201210T015447_20201210T015448_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20201210T033301_20201210T033326_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20201210T033326_20201210T033412_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20201210T065703_20201210T065745_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20201210T065745_20201210T070008_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).

#### **5.3 L1B FDM Star Tracker Usage Check**

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

Number of products with errors:

Product	Test Failed
CS_OFFL_SIR_FDM_1B_20201210T001130_20201210T001759_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20201210T015223_20201210T015447_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20201210T033301_20201210T033326_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20201210T065703_20201210T065745_C001	No Star Tracker file used in the processing of this product

## 5.4 L1B FDM Calibration Usage Check

Each product is checked in order to ensure the necessary calibration files have been used in processing.

Number of products with errors:

0

#### 5.5 L1B FDM Auxilary Data File Usage Check

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

#### **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.

0

Number of products with errors:

#### **5.7 L1B FDM Measurement Confidence Data Check**

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20201210T001130_20201210T001759_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20201210T015223_20201210T015447_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20201210T0333301_20201210T033326_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20201210T065703_20201210T065745_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:** 

25

CS_OFFL_SIR_FDM_2_20201210T001759_20201210T001742_C001.DBL  FOS_Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T015232_20201210T015447_C001.DBL  FOS_Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T015858_20201210T03103_C001.DBL  FOS_Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T033301_20201210T033345_C001.DBL  FOS_Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T033302_20201210T033312_C001.DBL  FOS_Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T063328_20201210T063121_C001.DBL  FOS_Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T068703_20201210T065745_C001.DBL  FOS_Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T068745_20201210T070008_C001.DBL  FOS_Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T071242_20201210T070008_C001.DBL  FOS_Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T0703210_20201210T0703210_C001.DBL  FOS_Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T0703448_20201210T093312_C001.DBL  FOS_Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T10703448_20201210T093312_C001.DBL  FOS_Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T114801_20201210T114801_0001.DBL  FOS_Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T112447.20201210T115312.C001.DBL  FOS_Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Or	Product	Test Failed
CS_OFFL_SIR_FDM_2_20201210T004054_20201210T015427_C001.DBL FOS_Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T033303_20201210T033336_C001.DBL FOS_Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T033303_20201210T033336_C001.DBL FOS_Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T033303_20201210T033336_C001.DBL FOS_Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T033336_20201210T033341_C001.DBL FOS_Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T066703_20201210T066734_C001.DBL FOS_Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T066703_20201210T067008_C001.DBL FOS_Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T07124_20201210T071242_C001.DBL FOS_Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T093210_20201210T093310_C001.DBL FOS_Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T093210_20201210T093310_C001.DBL FOS_Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T11405_20201210T11400_C001.DBL FOS_Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T11405_20201210T11400_C001.DBL FOS_Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T11400_20201210T11400_C001.DBL FOS_Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T1121503_20201210T115405_C001.DBL FOS_Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_	CS_OFFL_SIR_FDM_220201210T001130_20201210T001759_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20201210T015223_20201210T015447_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T031024_20201210T0331354_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T033326_20201210T033326_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T033326_20201210T033412_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T068282_20201210T033412_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T068743_20201210T068745_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T068743_20201210T0704242_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T071224_20201210T071242_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T093210_20201210T093210_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T107082448_20201210T093312_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T114012_20201210T114010_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T1120700_20201210T1120700_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T112447_20201210T1250_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T1542912_20201210T154458_20201210T154458_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigato	CS_OFFL_SIR_FDM_220201210T001759_20201210T001931_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20201210T015858_20201210T020103_C001_DBL  FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T033326_20201210T033326_202012DT033326_202012DT033326_202012DT033326_202012DT033326_202012DT033326_202012DDBL  CS_OFFL_SIR_FDM_2_20201210T080328_20201210T080328_20201210T080328_202012DDBL  CS_OFFL_SIR_FDM_2_20201210T080328_20201210T0805745_C001_DBL  CS_OFFL_SIR_FDM_2_20201210T0805745_202012DDBL  CS_OFFL_SIR_FDM_2_20201210T0805745_202012DDBL  CS_OFFL_SIR_FDM_2_20201210T005745_202012DDBL  CS_OFFL_SIR_FDM_2_20201210T071224_202012DDBL  CS_OFFL_SIR_FDM_2_20201210T071224_202012DDBL  CS_OFFL_SIR_FDM_2_20201210T093312_C001_DBL  CS_OFFL_SIR_FDM_2_20201210T093312_0001_DBL  CS_OFFL_SIR_FDM_2_20201210T093312_0001_DBL  CS_OFFL_SIR_FDM_2_20201210T093210_20201210T093312_C001_DBL  CS_OFFL_SIR_FDM_2_20201210T09448_20201210T095310_0001_DBL  CS_OFFL_SIR_FDM_2_20201210T11705_20201210T114810_0001_DBL  CS_OFFL_SIR_FDM_2_20201210T117405_20201210T11149_0001_DBL  CS_OFFL_SIR_FDM_2_20201210T117405_20201210T114810_0001_DBL  CS_OFFL_SIR_FDM_2_20201210T12503_20201210T12500_0001_DBL  CS_OFFL_SIR_FDM_2_20201210T121503_20201210T12530_0001_DBL  CS_OFFL_SIR_FDM_2_20201210T124447_20201210T121520_0001_DBL  CS_OFFL_SIR_FDM_2_20201210T124447_20201210T12530_0001_DBL  CS_OFFL_SIR_FDM_2_20201210T154143_20201210T154123_0001_DBL  CS_OFFL_SIR_FDM_2_20201210T154143_20201210T154123_0001_DBL  CS_OFFL_SIR_FDM_2_20201210T154143_20201210T154143_0001_DBL  CS_OFFL_SIR_FDM_2_20201210T154143_20201210T154123_0001_DBL  CS_OFFL_SIR_FDM_2_20201210T154143_20201210T154123_0001_DBL  CS_OFFL_SIR_FDM_2_20201210T154143_20201210T154123_0001_DBL  CS_OFFL_SIR_FDM_2_20201210T154143_20201210T154123_0001_DBL  CS_OFFL_SIR_FDM_2_20201210T154143_20201210T154123_0001_DBL  CS_OFFL_SIR_FDM_2_20201210T154143_20201210T154123_0001_DBL  CS_OFFL_SIR_FDM_2_20201210T154143_20201210T1541250_001_DBL  CS_OFFL_SIR_FDM_2_20201210T154143_20201210T1541250_001_DBL  CS_OFFL_SIR_FDM_2_20201210T154143_20201210T154123_0001_DBL  CS_OFF	CS_OFFL_SIR_FDM_220201210T004054_20201210T010742_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS OFFL SIR FDM 220201210T031024 20201210T031354 CO01.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_220201210T033326 _20201210T033312 _CO01.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_220201210T066528 _20201210T065745 _CO01.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_220201210T065745 _20201210T070008 _CO01.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_220201210T0765745 _20201210T070008 _CO01.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_220201210T079242 _CO01.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_220201210T093312 _CO01.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_220201210T07052 _20201210T093312 _CO01.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_220201210T11480120201210T114810 _CO01.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_220201210T12502 _C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_220201210T12502 _C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_220201210T154472 _20201210T154488 _C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_220201210T154472 _C00110BL 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 Predic	CS_OFFL_SIR_FDM_220201210T015223_20201210T015447_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20201210T033301_20201210T033326_C001.DBL  FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T066828_20201210T061321_C001.DBL  FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T065703_20201210T065745_C001.DBL  FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T071224_20201210T070008_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 Navigat	CS_OFFL_SIR_FDM_220201210T015858_20201210T020103_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20201210T033326_20201210T053412_C001.DBL  FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T065745_20201210T070008_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T071224_20201210T070008_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T071224_20201210T071242_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T071224_20201210T071242_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T071224_20201210T071242_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T093210_20201210T093312_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T093448_20201210T093312_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T110705_20201210T111049_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T1114801_20201210T1114810_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T11270700_20201210T112730_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T121503_20201210T125004_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T125012_20201210T125004_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T152912_20201210T153123_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T154482_20201210T154488_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T154528_20201210T154723_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T154528_20201210T154723_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T154723_2001.DBL  CS_OFFL_SIR_FDM_2_20201210T154723_2001.DBL  CS_OFFL_SIR_FDM_2_20201210T154528_20201210T154723_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T154528_20201210T154723_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T154528_20201210T154723_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T154528_20201210T154723_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T154528_20201210T154723_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T154528_20201210T154723_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T1071938_20201210T154723_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T1071938_20201210T154723_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T1071938_20201210T154723_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T1071938_20201210T154723_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T1071938_20201210T154723_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T1071938_20201210T154723_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T1071938_20201210T154723_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T1071938_20201210T154723_C001.DBL	CS_OFFL_SIR_FDM_220201210T031024_20201210T031354_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20201210T060828_20201210T061321_CO01.DBL  FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T065745_20201210T070008_CO01.DBL  FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T071224_20201210T071242_CO01.DBL  FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T093210_20201210T093312_C001.DBL  FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T093210_20201210T093310_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 Pr	CS_OFFL_SIR_FDM_220201210T033301_20201210T033326_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).  CS_OFFL_SIR_FDM_2_20201210T065745_20201210T070008_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 Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orb	CS_OFFL_SIR_FDM_220201210T033326_20201210T033412_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20201210T065745_20201210T070008_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 Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orb	CS_OFFL_SIR_FDM_220201210T060828_20201210T061321_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20201210T071224_20201210T071242_C001.DBL  FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T093210_20201210T093312_C001.DBL  FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T110705_20201210T111049_C001.DBL  FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T1114801_20201210T114801_C001.DBL  FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T1120700_20201210T1120730_C001.DBL  FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T121503_20201210T121520_C001.DBL  FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T121503_20201210T125004_C001.DBL  FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T154143_20201210T153123_C001.DBL  FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T154143_20201210T154458_C001.DBL  FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T154528_20201210T154723_C001.DBL  FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T201938_20201210T202139_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 (DO	CS_OFFL_SIR_FDM_220201210T065703_20201210T065745_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20201210T093210_20201210T093312_C001.DBL  FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T1110705_20201210T111049_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T1114801_20201210T114810_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T114801_20201210T114810_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T1120700_20201210T120730_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T12503_20201210T120730_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T12503_20201210T12500_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T12503_20201210T12500_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T12503_20201210T12500_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T152912_20201210T153123_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T154458_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T154143_20201210T154723_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T1544528_20201210T154723_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T154723_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T154723_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T154723_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T154723_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T154723_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T201938_20201210T202139_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T201938_20201210T201139_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T201938_20201210T201139_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T2017938_20201210T201139_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T2017938_20201210T201139_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T2017938_20201210T201139_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T2017938_20201210T201139_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T2017938_20201210T201139_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T2017938_20201210T201139_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T2017938_20201210T201139_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T2017992001210T2011149_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T2017992001210T2011149_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T20179938_20201210T201139_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T20179938_20201210T201139_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T20179938_20201210T201139_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T20179938_20201210T201139_C001.DBL  CS_OF	CS_OFFL_SIR_FDM_220201210T065745_20201210T070008_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20201210T094448_20201210T095310_C001.DBL  FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T1110705_20201210T111049_C001.DBL  FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T1120700_20201210T1120730_C001.DBL  FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T12503_20201210T12503_C001.DBL  FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T124447_20201210T125004_C001.DBL  FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T152912_20201210T153123_C001.DBL  FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T154143_20201210T154458_C001.DBL  FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T154143_20201210T154723_C001.DBL  FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).  CS_OFFL_SIR_FDM_2_20201210T154528_20201210T154723_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).	CS_OFFL_SIR_FDM_220201210T071224_20201210T071242_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20201210T110705_20201210T111049_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T114801_20201210T114810_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).	CS_OFFL_SIR_FDM_220201210T093210_20201210T093312_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20201210T114801_20201210T114810_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T120700_20201210T120730_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T121503_20201210T12520_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T121503_20201210T125004_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T125012_20201210T125004_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T152912_20201210T153123_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T152912_20201210T153123_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T154143_20201210T154458_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T154123_20201210T154723_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T154528_20201210T154723_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T154528_20201210T154723_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T1071938_20201210T1001398_20201210T1001.DBL  CS_OFFL_SIR_FDM_2_20201210T10719_20201210T1001.DBL  CS_OFFL_SIR_FDM_2_20201210T10719_20201210T1001.DBL  CS_OFFL_SIR_FDM_2_20201210T10719_20201210T201199.C001.DBL  CS_OFFL_SIR_FDM_2_20201210T10719_20201210T201199.C001.DBL  CS_OFFL_SIR_FDM_2_20201210T10719_20201210T201199.C001.DBL  CS_OFFL_SIR_FDM_2_20201210T2011938_20201210T201199.C001.DBL  CS_OFFL_SIR_FDM_2_20201210T2011920119_20201210T201199.C001.DBL  CS_OFFL_SIR_FDM_2_20201210T2011920119_20201210T2011149_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T201799_20201210T2011149_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T201799_20201210T2011149_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T201799_20201210T2011149_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T201799_20201210T2011149_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T201799_20201210T2011149_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T210719_20201210T2011149_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T2001938_20201210T2011149_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T2001938_20201210T2011149_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T2001938_20201210T2011149_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T2001938_20201210T20110T201199_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T2001938_20201210T201109_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T2001938_20201210T201109_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T2001938_20201210T201109_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T2001938_20201210	CS_OFFL_SIR_FDM_220201210T094448_20201210T095310_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20201210T120700_20201210T120730_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).	CS_OFFL_SIR_FDM_220201210T110705_20201210T111049_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20201210T121503_20201210T121520_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T124447_20201210T125004_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T152912_20201210T153123_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T154143_20201210T154458_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T154528_20201210T154723_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T154528_20201210T154723_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T154528_20201210T154723_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T154528_20201210T154723_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T1201938_20201210T202139_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T201938_20201210T202139_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T201938_20201210T202139_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T210719_20201210T2011149_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T210719_20201210T211149_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T210719_20201210T211149_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T210719_20201210T211149_C001.DBL	CS_OFFL_SIR_FDM_220201210T114801_20201210T114810_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20201210T124447_20201210T125004_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T152912_20201210T153123_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T154143_20201210T154458_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T154528_20201210T154723_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T154528_20201210T154723_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T154528_20201210T154723_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T201938_20201210T202139_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T201938_20201210T202139_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T201938_20201210T2011149_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T210719_20201210T211149_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T210719_20201210T211149_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T210719_20201210T211149_C001.DBL	CS_OFFL_SIR_FDM_220201210T120700_20201210T120730_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20201210T152912_20201210T153123_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T154143_20201210T154458_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T154528_20201210T154723_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T154528_20201210T202139_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T201938_20201210T202139_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T201938_20201210T202139_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T201938_20201210T2011149_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T210719_20201210T211149_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).	CS_OFFL_SIR_FDM_220201210T121503_20201210T121520_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20201210T154143_20201210T154458_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T154528_20201210T154723_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T201938_20201210T202139_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T201938_20201210T2011149_C001.DBL  CS_OFFL_SIR_FDM_2_20201210T210719_20201210T211149_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).	CS_OFFL_SIR_FDM_220201210T124447_20201210T125004_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20201210T154528_20201210T154723_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).	CS_OFFL_SIR_FDM_220201210T152912_20201210T153123_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20201210T201938_20201210T202139_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).	CS_OFFL_SIR_FDM_220201210T154143_20201210T154458_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_2_20201210T210719_20201210T211149_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).	CS_OFFL_SIR_FDM_220201210T154528_20201210T154723_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
	CS_OFFL_SIR_FDM_220201210T201938_20201210T202139_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220201210T213724_20201210T213846_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).	CS_OFFL_SIR_FDM_220201210T210719_20201210T211149_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
	CS_OFFL_SIR_FDM_220201210T213724_20201210T213846_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).

### 6.3 L2 FDM Auxiliary Data File Usage Check

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

Number of products with errors:

0

## 6.4 L2 FDM Auxiliary Correction Error Check

Each product is checked to detect auxiliary corrections flagged by the ground-station processing chain as missing or containing errors.

Product	Test Failed	Description
CS OFFE SIR FDM 2 202012091234412 202012101000900 C001		There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220201210T004054_20201210T010742_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS OFFE SIR FDM 2 202012101012328 202012101015127 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_220201210T015858_20201210T020103_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_220201210T021410_20201210T024714_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_220201210T035336_20201210T040219_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220201210T053206_20201210T060536_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_220201210T062421_20201210T065550_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_220201210T071033_20201210T071035_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_220201210T071433_20201210T072300_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_220201210T072851_20201210T074512_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_220201210T081931_20201210T083145_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_220201210T085741_20201210T090803_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_220201210T090943_20201210T092353_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_220201210T094006_20201210T094126_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_220201210T094448_20201210T095310_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_220201210T095704_20201210T100152_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_220201210T111729_20201210T114547_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_220201210T121731_20201210T124225_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_220201210T125739_20201210T133011_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220201210T135408_20201210T140242_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_220201210T140244_20201210T141222_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_220201210T141639_20201210T142119_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_220201210T143716_20201210T150950_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_220201210T152320_20201210T152416_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_220201210T164029_20201210T165003_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_220201210T172028_20201210T172639_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_220201210T175534_20201210T182840_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_220201210T184422_20201210T190340_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220201210T190347_20201210T191625_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_220201210T193445_20201210T195008_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_220201210T195211_20201210T200222_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_220201210T202420_20201210T204049_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_220201210T211418_20201210T212835_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220201210T213015_20201210T213244_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_220201210T221540_20201210T221811_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_220201210T221814_20201210T223920_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_220201210T225325_20201210T231827_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_220201210T232829_20201210T232857_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_220201210T001130_20201210T001759_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220201210T015223_20201210T015447_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220201210T033301_20201210T033326_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220201210T065703_20201210T065745_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.

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220201209T234412_20201210T000900_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_220201210T012328_20201210T015127_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_220201210T015858_20201210T020103_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_220201210T021410_20201210T024714_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_220201210T053206_20201210T060536_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_220201210T062421_20201210T065550_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_220201210T071433_20201210T072300_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_220201210T072851_20201210T074512_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_220201210T081931_20201210T083145_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_220201210T085741_20201210T090803_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_220201210T094448_20201210T095310_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_220201210T095704_20201210T100152_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_220201210T111729_20201210T114547_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_220201210T121731_20201210T124225_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_220201210T135408_20201210T140242_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_220201210T140244_20201210T141222_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_220201210T143716_20201210T150950_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_220201210T172028_20201210T172639_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_220201210T175534_20201210T182840_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_220201210T190347_20201210T191625_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_220201210T193445_20201210T195008_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_220201210T195211_20201210T200222_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_220201210T202420_20201210T204049_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_220201210T213015_20201210T213244_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_220201210T221540_20201210T221811_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_220201210T225325_20201210T231827_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.

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220201209T234412_20201210T000900_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_220201210T012328_20201210T015127_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_220201210T015858_20201210T020103_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_220201210T021410_20201210T024714_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_220201210T053206_20201210T060536_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_220201210T062421_20201210T065550_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_220201210T071433_20201210T072300_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_220201210T072851_20201210T074512_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_220201210T081931_20201210T083145_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_220201210T085741_20201210T090803_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_220201210T094448_20201210T095310_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_220201210T095704_20201210T100152_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_220201210T111729_20201210T114547_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_220201210T121731_20201210T124225_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_220201210T135408_20201210T140242_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_220201210T140244_20201210T141222_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_220201210T143716_20201210T150950_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_220201210T172028_20201210T172639_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_220201210T175534_20201210T182840_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_220201210T190347_20201210T191625_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_220201210T193445_20201210T195008_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_220201210T195211_20201210T200222_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_220201210T202420_20201210T204049_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_220201210T213015_20201210T213244_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_220201210T221540_20201210T221811_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_220201210T225325_20201210T231827_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.

### 6.8 L2 FDM Ocean Retracking Quality Check

CryoSat L2 data includes an ocean retracking quality flag (field 66) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220201209T234412_20201210T000900_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_220201210T004054_20201210T010742_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_220201210T012328_20201210T015127_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_220201210T015858_20201210T020103_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_220201210T021410_20201210T024714_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_220201210T035336_20201210T040219_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_220201210T040504_20201210T042701_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_220201210T053206_20201210T060536_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_220201210T062421_20201210T065550_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_220201210T071433_20201210T072300_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_220201210T072742_20201210T072847_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_220201210T072851_20201210T074512_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_220201210T080224_20201210T081544_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_220201210T081931_20201210T083145_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_220201210T083335_20201210T083352_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_220201210T085741_20201210T090803_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_220201210T090943_20201210T092353_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_220201210T094448_20201210T095310_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_220201210T095704_20201210T100152_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_220201210T104042_20201210T110309_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_220201210T111729_20201210T114547_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_220201210T121731_20201210T124225_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_220201210T135408_20201210T140242_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_220201210T140244_20201210T141222_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_220201210T141639_20201210T142119_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_220201210T143716_20201210T150950_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_220201210T154528_20201210T154723_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_220201210T161601_20201210T163744_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_220201210T172028_20201210T172639_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_220201210T172720_20201210T173857_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_220201210T175534_20201210T182840_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_220201210T184422_20201210T190340_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_220201210T190347_20201210T191625_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_220201210T193445_20201210T195008_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_220201210T195211_20201210T200222_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_220201210T202420_20201210T204049_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_220201210T213015_20201210T213244_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_220201210T221540_20201210T221811_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_220201210T221814_20201210T223920_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_220201210T225325_20201210T231827_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_220201210T232829_20201210T232857_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_220201210T235203_20201211T001744_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_	185	185	185	0	0
SIR1SAR_0_	121	121	121	0	0
SIR1SIN_0_	109	109	109	0	0
SIR2SIN_0_	113	113	113	0	0
SIR_FDM_1B	185	185	4	0	181
SIR_FDM_2	177	177	127	50	0

#### 7.1 QCC Errors

Product Type
SIR\_FDM\_1B

Product Type

SIR\_FDM\_2\_

**Number of QCC reports with errors:** 

UVOB

181

181

Total number of occurrences of each error							
-	-	-	-	-	-		

Test Description Key:			
Abbreviation	Test name	Details	
UVOB	UnitVectorOrBlank_6	The three array elements should form a unit vector (using a scale factor of 10^-6)	

### 7.2 QCC Warnings

**Number of QCC reports with warnings** 

MVSIO

39

**MVSIOFD** 

43

174

42

RBSZO

39

	Total number o	f occurrences o	of each warning				
RBSZOFD	RSSBCO	-	-	-	-	-	-
12	11						

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		
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: