

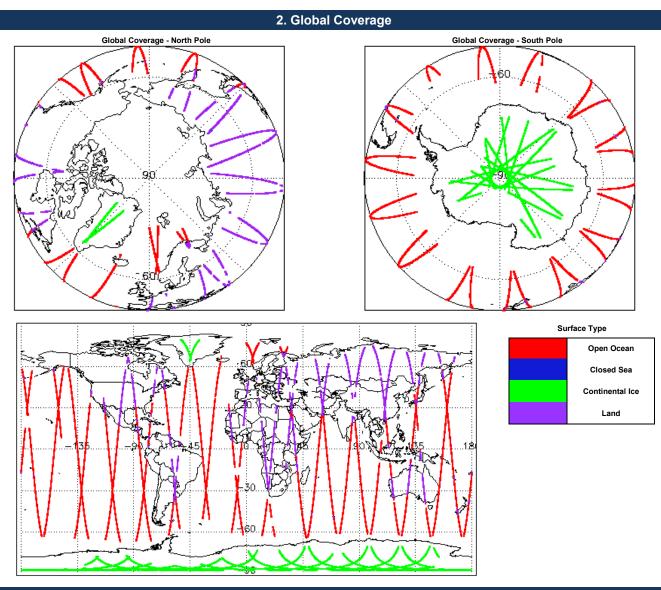
## **QA4EO Daily Report for FDM data:**

<u>03/06/2020</u>

eport Production Date:	04-Jun-2020	Check	Status
Report Production Date.	04-Juli-2020	Server check: science-pds.cryosat.esa.int	Nominal
Processor Used:	CryoSat Ice Processor	Server check: calval-pds.cryosat.esa.int	Nominal
		Product Software Check	Nominal
Data Used:	L1 and L2 Fast Delivery Marine (FDM) Mode and L0 Data	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

1. Overview

# Mission / Instrument News 02-Jun-2020 None 03-Jun-2020 None 04-Jun-2020 Nothing planned



## 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).

0

#### 4.2 L0 Product Header Analysis

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

7

Number of products with errors:

Product	Test Failed
CS_OPER_SIR1SAR_020200603T051405_20200603T051940_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020200603T065707_20200603T070026_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020200603T150618_20200603T150725_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020200603T151315_20200603T152105_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020200603T131258_20200603T131355_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020200603T005056_20200603T005201_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020200603T155732_20200603T155903_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: 11

Product	Test Failed
CS_OFFL_SIR_FDM_1B_20200603T100514_20200603T100819_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200603T100819_20200603T101023_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200603T114439_20200603T114534_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200603T114534_20200603T114553_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200603T132446_20200603T132504_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200603T203045_20200603T205212_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200603T205220_20200603T205401_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200603T205816_20200603T210146_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200603T210153_20200603T210202_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200603T210208_20200603T210536_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200603T210829_20200603T213427_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200603T213430_20200603T213538_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200603T213540_20200603T213627_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200603T213635_20200603T213645_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200603T213648_20200603T213656_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200603T213700_20200603T213709_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200603T213712_20200603T213713_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: 2

Product	Test Failed
CS_OFFL_SIR_FDM_1B_20200603T100514_20200603T100819_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20200603T114439_20200603T114534_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.

0

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:

#### 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:
3

Product	Test Falled	Description
CS_OFFL_SIR_FDM_1B_20200603T050751_20200603T051405_C001	Echo error. IRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo

CS\_OFFL\_SIR\_FDM\_1B\_20200603T114439\_20200603T114534\_C001

Attitude correction missing

6. Level 2 FDM Data Quality Check

The attitude has not been corrected

The attitude has not been corrected

#### 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: Not 0!

g. GFFL_SIR_FDM_2_20200603T00409_20200603T005055_C001.DBL         FOS Predicted Orbit (MPL_ORB/RE) used instead of the DORIS Navgator Orbit (DOR_NAV).           S. OFFL_SIR_FDM_2_20200603T00449_20200603T005451_C001.DBL         FOS Predicted Orbit (MPL_ORB/RE) used instead of the DORIS Navgator Orbit (DOR_NAV).           S. OFFL_SIR_FDM_2_20200603T004427_20200603T004527_C001.DBL         FOS Predicted Orbit (MPL_ORB/RE) used instead of the DORIS Navgator Orbit (DOR_NAV).           S. OFFL_SIR_FDM_2_20200603T100128_20200603T100407_C001.DBL         FOS Predicted Orbit (MPL_ORB/RE) used instead of the DORIS Navgator Orbit (DOR_NAV).           S. OFFL_SIR_FDM_2_20200603T10014_20200603T100128_C001.DBL         FOS Predicted Orbit (MPL_ORB/RE) used instead of the DORIS Navgator Orbit (OR_NAV).           S. OFFL_SIR_FDM_2_20200603T10014_20200603T110535_C001.DBL         FOS Predicted Orbit (MPL_ORB/RE) used instead of the DORIS Navgator Orbit (OR_NAV).           S. OFFL_SIR_FDM_2_20200603T13155_20200603T131528_C001.DBL         FOS Predicted Orbit (MPL_ORB/RE) used instead of the DORIS Navgator Orbit (OR_NAV).           S. OFFL_SIR_FDM_2_20200603T13254_2020063T13528_C001.DBL         FOS Predicted Orbit (MPL_ORB/RE) used instead of the DORIS Navgator Orbit (OR_NAV).           S. OFFL_SIR_FDM_2_20200603T13254_2020003T13528_C001.DBL         FOS Predicted Orbit (MPL_ORB/RE) used instead of the DORIS Navgator Orbit (OR_NAV).           S. OFFL_SIR_FDM_2_20200603T13458_2020003T134584_C001.DBL         FOS Predicted Orbit (MPL_ORB/RE) used instead of the DORIS Navgator Orbit (OR_NAV).           S. OFFL_SIR_FDM_2_20200603T13458_2020003T14583_C001.DBL <td< th=""><th>Product</th><th>Test Failed</th></td<>	Product	Test Failed
g. OFFL_SIR_FDM_2_202006031024748_202006031025110_C001_DBL         FOS Predicted Onbit (MPL_ORBPRE) used instead of the DORIS Navgator Onbit (DOR_NAV).           S. OFFL_SIR_FDM_2_20200603106443_202000031064527_C001_DBL         FOS Predicted Onbit (MPL_ORBPRE) used instead of the DORIS Navgator Onbit (DOR_NAV).           S_OFFL_SIR_FDM_2_202006031104427_202006031104527_C001_DBL         FOS Predicted Onbit (MPL_ORBPRE) used instead of the DORIS Navgator Onbit (DOR_NAV).           S_OFFL_SIR_FDM_2_20200603110407_C001_DBL         FOS Predicted Onbit (MPL_ORBPRE) used instead of the DORIS Navgator Onbit (DOR_NAV).           S_OFFL_SIR_FDM_2_20200603110431_20200603110453_C001_DBL         FOS Predicted Onbit (MPL_ORBPRE) used instead of the DORIS Navgator Onbit (DOR_NAV).           S_OFFL_SIR_FDM_2_20200603111453_20200603111453_C001_DBL         FOS Predicted Onbit (MPL_ORBPRE) used instead of the DORIS Navgator Onbit (DOR_NAV).           S_OFFL_SIR_FDM_2_20200603111453_2020003111453_C001_DBL         FOS Predicted Onbit (MPL_ORBPRE) used instead of the DORIS Navgator Onbit (DOR_NAV).           S_OFFL_SIR_FDM_2_20200603111453_2020003113204_0001_DBL         FOS Predicted Onbit (MPL_ORBPRE) used instead of the DORIS Navgator Onbit (DOR_NAV).           S_OFFL_SIR_FDM_2_20200603114546_20200003114546_20200003114546_2001_DBL         FOS Predicted Onbit (MPL_ORBPRE) used instead of the DORIS Navgator Onbit (DOR_NAV).           S_OFFL_SIR_FDM_2_20200603114546_20200031146580_001_DBL         FOS Predicted Onbit (MPL_ORBPRE) used instead of the DORIS Navgator Onbit (DOR_NAV).           S_OFFL_SIR_FDM_2_2020060311464502_0001_DBL         FOS Predicted Onbit	CS_OFFL_SIR_FDM_220200603T003750_20200603T003913_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
g. GFFL_SIR_FDM_2_202006031064442_202000031065431_C001_DBL         FOS Predicted Orbit (MPL_OR8PRE) used instead of the DORIS Navigator Orbit (DOR_NAV).           g. GFFL_SIR_FDM_2_20200603100452_20200603110040_C001_DBL         FOS Predicted Orbit (MPL_OR8PRE) used instead of the DORIS Navigator Orbit (DOR_NAV).           g. GFFL_SIR_FDM_2_202006031100514_202006031100051_000519_C001_DBL         FOS Predicted Orbit (MPL_OR8PRE) used instead of the DORIS Navigator Orbit (DOR_NAV).           g. GFFL_SIR_FDM_2_202006031100514_202006031100519_C001_DBL         FOS Predicted Orbit (MPL_OR8PRE) used instead of the DORIS Navigator Orbit (DOR_NAV).           g. GFFL_SIR_FDM_2_202006031114532_001_DBL         FOS Predicted Orbit (MPL_OR8PRE) used instead of the DORIS Navigator Orbit (DOR_NAV).           g. GFFL_SIR_FDM_2_202006031114532_02006031114535_001_DBL         FOS Predicted Orbit (MPL_OR8PRE) used instead of the DORIS Navigator Orbit (DOR_NAV).           g. GFFL_SIR_FDM_2_202006031114532_02006031114535_001_DBL         FOS Predicted Orbit (MPL_OR8PRE) used instead of the DORIS Navigator Orbit (DOR_NAV).           g. GFFL_SIR_FDM_2_20200603113242_20200603113249_0001_DBL         FOS Predicted Orbit (MPL_OR8PRE) used instead of the DORIS Navigator Orbit (DOR_NAV).           g. GFFL_SIR_FDM_2_202006031132442_20200603114530_001_DBL         FOS Predicted Orbit (MPL_OR8PRE) used instead of the DORIS Navigator Orbit (DOR_NAV).           g. GFFL_SIR_FDM_2_20200603114542_20200603114530_001_DBL         FOS Predicted Orbit (MPL_OR8PRE) used instead of the DORIS Navigator Orbit (DOR_NAV).           g. GFFL_SIR_FDM_2_20200603116324_2020063114533_001_DBL	CS_OFFL_SIR_FDM_220200603T004609_20200603T005055_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
S_OFFL_SIR_FDM_2_20200603T064427_20200603T084527_0001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T100126_20200603T100407_001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T100126_20200603T100126_001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T100126_2000003T110523_001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T110353_000003T11053_0001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T113026_2000003T1132042_000003T1132042_000003T1132042_000003T1132440_000003T1132440_000003T1132440_000003T1132440_000003T1132440_000003T1132440_000003T1132440_000003T1132440_000003T1132440_000003T1132440_000003T1145904_0001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200003T132440_00003T145904_0001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200003T114542_0200003T145904_0001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200003T14542_0200003T14530_001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200003T145450_20000.DBL       FOS Predicted Orbit (MPL_ORBPRE)	CS_OFFL_SIR_FDM_220200603T024748_20200603T025110_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
<ul> <li>S. OFFL, SIR, FDM 2, 20200603T100165 4, 20200603T100407_C001.DBL</li> <li>FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).</li> <li>S. OFFL_SIR, FDM 2, 20200603T100514, 20200603T100819_00001.DBL</li> <li>FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).</li> <li>S. OFFL_SIR, FDM 2, 20200603T110454, 2000063T114554_C001.DBL</li> <li>FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).</li> <li>S. OFFL_SIR, FDM 2, 2020063T114554_C001.DBL</li> <li>FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).</li> <li>S. OFFL_SIR, FDM 2, 2020063T114554_C001.DBL</li> <li>FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).</li> <li>S. OFFL_SIR, FDM 2, 2020063T132022_2020063T132049_C001.DBL</li> <li>FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).</li> <li>S. OFFL_SIR, FDM 2, 2020063T162442_2020063T14264_C001.DBL</li> <li>FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).</li> <li>S. OFFL_SIR, FDM 2, 2020063T16428_2020063T164594_C001.DBL</li> <li>FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).</li> <li>S. OFFL_SIR, FDM 2, 2020063T16454_2020063T164593_C001.DBL</li> <li>FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).</li> <li>S. OFFL_SIR, FDM 2, 2020063T16451_2020063T16453_C001.DBL</li> <li>FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).</li> <li>S. OFFL_SIR, FDM 2, 2020063T16454_20200063T16458_C001.DBL</li> <li>FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).</li> <li>S. OFFL_SIR, FDM 2, 2020063T16454_20200063T216450_C001.DBL</li> <li>FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).</li> <li>S. OF</li></ul>	CS_OFFL_SIR_FDM_220200603T064843_20200603T065431_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
S_OFFL_SIR_FDM_2_20200603T100514_20200603T100519_C001.DBL S_OFFL_SIR_FDM_2_20200603T100519_20200603T110534_C001.DBL S_OFFL_SIR_FDM_2_20200603T114534_20200603T114534_C001.DBL S_OFFL_SIR_FDM_2_20200603T114534_20200603T114553_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). S_OFFL_SIR_FDM_2_20200603T113555_20200603T114553_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). S_OFFL_SIR_FDM_2_20200603T113202_20200603T113204_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). S_OFFL_SIR_FDM_2_20200603T132042_0001DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). S_OFFL_SIR_FDM_2_20200603T132042_0001DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). S_OFFL_SIR_FDM_2_20200603T16282_20200603T16282_0001DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). S_OFFL_SIR_FDM_2_20200603T16824_20200603T16824_0001DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). S_OFFL_SIR_FDM_2_20200603T16824_20200603T16836_0001DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). S_OFFL_SIR_FDM_2_20200603T17438L_20200603T17438L_2000603T12034L_2001DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). S_OFFL_SIR_FDM_2_20200603T210542_20200603T21054C_001DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). S_OFFL_SIR_FDM_2_20200603T210342_20200603T213427_001DBL FOS Predicted Orbit (MP	CS_OFFL_SIR_FDM_220200603T084427_20200603T084527_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
S_OFFL_SIR_FDM_2_20200603710819_202006037101023_C001.DBL S_OFFL_SIR_FDM_2_202006037114339_202006037114534_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). S_OFFL_SIR_FDM_2_202006037113555_202006037113626_C001.DBL S_OFFL_SIR_FDM_2_202006037132049_C001.DBL S_OFFL_SIR_FDM_2_202006037132049_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). S_OFFL_SIR_FDM_2_202006037132049_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). S_OFFL_SIR_FDM_2_202006037132049_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). S_OFFL_SIR_FDM_2_202006037132049_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). S_OFFL_SIR_FDM_2_20200603716824_20200603716830_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). S_OFFL_SIR_FDM_2_20200603716824_20200603716830_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). S_OFFL_SIR_FDM_2_20200603717818_202006037174318_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). S_OFFL_SIR_FDM_2_20200603717838_202006037174318_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). S_OFFL_SIR_FDM_2_202006037120345_20200603720541_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). S_OFFL_SIR_FDM_2_202006037120540_20200603720540_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). S_OFFL_SIR_FDM_2_202006037210536_202006037210452_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). S_OFFL_SIR_FDM_2_202006037210452_202006037213427_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). S_OFFL_SIR_FDM_2_202006037213445_202006037213452_C001.DBL F	CS_OFFL_SIR_FDM_220200603T100126_20200603T100407_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
S. OFFL_SIR_FDM_2_20206037114439_20206037114534_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_202006037113155_2020060371131626_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_2020060371131622_2020060371131626_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_2020060371132222 202060371132564_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_2020060371145428_202006037114594_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_2020060371145428_202006037114590_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_2020060371145428_2020060371145450_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_202006037174318_202006037174518_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_2020060371203045_202006037120540_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_2020060371203045_202006037120540_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_2020060371205430_C000.DBL       FOS Predicted Orbi	CS_OFFL_SIR_FDM_220200603T100514_20200603T100819_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
S. OFFL_SIR_FDM_2_20200003T114534_20200603T114534_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T133202_20200603T132049_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T132446_20200603T13204_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T145246_20200603T145204_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T16324_20200603T16326_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T16321_20200603T16326_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T16321_20200603T174318_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T20345_20200603T205212_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T20345_20200603T210146_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T2105816_20200603T21032C_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T2103520_2000003T214020_C001.DBL       FOS Predicted Orbi	CS_OFFL_SIR_FDM_220200603T100819_20200603T101023_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
S. OFFL_SIR_FDM_2_20200603T131355_20200603T131355_20200603T132049_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T132022_20200603T132049_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T132049_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T165824_20200603T145904_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T165824_20200603T145503_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T173818_20200603T174318_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T174358_20200603T174520_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T174586_20200603T20521_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T20520_2020063T210521_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T210581_2020063T210526_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T210582_0200063T213427_C001.DBL       FOS Predicted Or	CS_OFFL_SIR_FDM_220200603T114439_20200603T114534_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
S. OFFL_SIR_FDM_2_20200603T132022_20200603T132049_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S. OFFL_SIR_FDM_2_20200603T132446_20200603T132504_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T145428_20200603T165904_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T16521_20200603T164530_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T173818_20200603T174530_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T174558_20200603T174520_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T20520_20200603T205212_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T210520_20200603T2105401_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T210520_2020603T2105401_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T210520_2000603T210562_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213540_20200603T213533_C001.DBL       FOS Predicte	CS_OFFL_SIR_FDM_220200603T114534_20200603T114553_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
S_OFFL_SIR_FDM_2_20200603T132446_20200603T132504_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T145428_20200603T1450836_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T150824_20200603T145503_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T114552_20200603T14550_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T173818_20200603T174530_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T203045_20200603T205212_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T20520_2020003T205401_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T21053_2020003T2105401_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T21028_2020003T210536_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213430_20200603T213452_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213430_20200003T213546_C001.DBL       FOS Predicted Orb	CS_OFFL_SIR_FDM_220200603T131355_20200603T131626_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
S_OFFL_SIR_FDM_2_20200003T145428_20200003T145994_C001.DBL       FOS Predicted Orbit (MPL_OR8PRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200003T150824_20200603T150836_C001.DBL       FOS Predicted Orbit (MPL_OR8PRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200003T161521_20200603T174318_C001.DBL       FOS Predicted Orbit (MPL_OR8PRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200003T174358_20200603T174318_C001.DBL       FOS Predicted Orbit (MPL_OR8PRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200003T174358_20200603T174520_C001.DBL       FOS Predicted Orbit (MPL_OR8PRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200003T203045_20200003T205212_C001.DBL       FOS Predicted Orbit (MPL_OR8PRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200003T205816_20200003T210146_C001.DBL       FOS Predicted Orbit (MPL_OR8PRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200003T21028_2020003T2132052_C001.DBL       FOS Predicted Orbit (MPL_OR8PRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200003T213430_2020003T213427_C001.DBL       FOS Predicted Orbit (MPL_OR8PRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200003T213442_0200003T21338_C001.DBL       FOS Predicted Orbit (MPL_OR8PRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200003T213442_02020003T213656_C001.DBL       FOS Predicted Or	CS_OFFL_SIR_FDM_220200603T132022_20200603T132049_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
S_OFFL_SIR_FDM_2_20200603T150824_20200603T150836_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T161521_20200603T164530_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T174358_20200603T174358_20200603T174358_20200603T174358_20200603T174358_20200603T174520_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T174558_20200603T174520_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T120542_02020003T205212_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200003T20541_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_2020003T210545_2020003T21046_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_2020003T210520_20003T210536_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200003T213430_2020003T2132536_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_2020003T213430_2020003T2132627_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_2020003T213436_2020003T213456	CS_OFFL_SIR_FDM_220200603T132446_20200603T132504_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
S_OFFL_SIR_FDM_2_20200603T161521_20200603T164530_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T173818_20200603T174318_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T174318_20200603T174520_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T20520_20200603T205212_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T20520_20200603T205401_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T2105816_20200603T210202_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T210282_0200603T210202_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T21028_20200603T213427_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213430_20200603T213627_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213430_20200603T213627_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213646_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE	CS_OFFL_SIR_FDM_220200603T145428_20200603T145904_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
S_OFFL_SIR_FDM_2_20200603T173818_20200603T174318_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T174358_20200603T174520_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T203045_20200603T205212_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T205220_20200603T205401_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T2105816_20200603T210146_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T210153_20200603T210202_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T21028_20200603T213262_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T21028_20200603T21327_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213645_20200603T213627_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213645_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213648_20200603T213645_C001.DBL       FOS Predicted Orbit (MPL_ORBPR	CS_OFFL_SIR_FDM_220200603T150824_20200603T150836_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
S_OFFL_SIR_FDM_2_20200603T174358_20200603T174520_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T203045_20200603T205212_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T20520_20200603T205401_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T205816_20200603T210146_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T210153_20200603T210202_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T210208_20200603T210536_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213208_20200603T213427_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213640_20200603T213625_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213645_0001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213645_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213645_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Na	CS_OFFL_SIR_FDM_220200603T161521_20200603T164530_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
S_OFFL_SIR_FDM_2_20200603T203045_20200603T205212_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T205220_20200603T205401_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T205816_20200603T210146_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T210153_20200603T210202_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T210208_20200603T210208_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T210829_20200603T213536_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T213402_0200603T213538_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T21340_20200603T213545_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T213635_20200603T213645_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T213645_20200603T213645_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T213709_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T213712_20200603T213709_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_202	CS_OFFL_SIR_FDM_220200603T173818_20200603T174318_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
S_OFFL_SIR_FDM_2_20200603T20520_20200603T205401_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T205816_20200603T210146_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T210153_20200603T210202_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T210208_20200603T210536_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T210202_00603T213427_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T213540_20200603T213538_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T213540_20200603T213627_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T213540_20200603T21365_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T213645_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T213700_20200603T213709_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T213712_20200603T213713_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T213712_20200603T213713_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_202006	CS_OFFL_SIR_FDM_220200603T174358_20200603T174520_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
S_OFFL_SIR_FDM_2_20200603T205816_20200603T210146_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T210208_20200603T210202_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T210208_20200603T210536_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T210829_20200603T213427_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T213430_20200603T213538_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T213540_20200603T213627_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T213635_20200603T213645_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T213648_20200603T213656_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T213700_20200603T213709_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T213712_20200603T213713_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T213712_20200603T213713_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T213712_20200603T213713_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_	CS_OFFL_SIR_FDM_220200603T203045_20200603T205212_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
S_OFFL_SIR_FDM_2_20200603T210153_20200603T210202_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T210208_20200603T213036_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T210829_20200603T213427_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T213430_20200603T213538_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T213540_20200603T213627_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T213635_20200603T213645_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T213648_20200603T213656_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T213700_20200603T213709_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T213712_20200603T213713_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T213712_20200603T213713_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T213712_20200603T213713_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_OFFL_SIR_FDM_2_20200603T213712_20200603T213713_C001.DBLFOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).S_	CS_OFFL_SIR_FDM_220200603T205220_20200603T205401_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
S_OFFL_SIR_FDM_2_20200603T210208_20200603T210536_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T210208_20200603T213427_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213430_20200603T213538_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213540_20200603T213627_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213635_20200603T213645_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213648_20200603T213656_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213700_20200603T213709_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213712_20200603T213713_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213712_20200603T213713_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213712_20200603T213713_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_202000603T213712_20200603T213713_C001.DBL       FOS Predict	CS_OFFL_SIR_FDM_220200603T205816_20200603T210146_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
S_OFFL_SIR_FDM_2_20200603T210829_20200603T213427_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213430_20200603T213538_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213540_20200603T213627_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213635_20200603T213645_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213648_20200603T213656_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213700_20200603T213709_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213712_20200603T213713_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213712_20200603T213713_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213712_20200603T213713_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213712_20200603T213713_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_202000603T213712_20200603T213713_C001.DBL       FOS Predict	CS_OFFL_SIR_FDM_220200603T210153_20200603T210202_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
S_OFFL_SIR_FDM_2_20200603T213430_20200603T213538_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213540_20200603T213627_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213635_20200603T213645_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213648_20200603T213656_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213700_20200603T213709_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213712_20200603T213709_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213712_20200603T213713_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T223712_20200603T213713_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T220817_20200603T223406_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T220817_2000603T223406_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).	CS_OFFL_SIR_FDM_220200603T210208_20200603T210536_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
S_OFFL_SIR_FDM_2_20200603T213540_20200603T213627_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213635_20200603T213645_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213648_20200603T213656_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213700_20200603T213709_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213712_20200603T213713_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213712_20200603T213713_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213712_20200603T213713_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T220817_2000603T223406_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).	CS_OFFL_SIR_FDM_220200603T210829_20200603T213427_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
S_OFFL_SIR_FDM_2_20200603T213635_20200603T213645_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213648_20200603T213656_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213700_20200603T213709_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213712_20200603T213713_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T220817_20200603T213713_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T220817_20200603T223406_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).	CS_OFFL_SIR_FDM_220200603T213430_20200603T213538_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
S_OFFL_SIR_FDM_2_20200603T213648_20200603T213656_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213700_20200603T213709_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213712_20200603T213713_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T220817_20200603T223406_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T220817_20200603T223406_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).	CS_OFFL_SIR_FDM_220200603T213540_20200603T213627_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
S_OFFL_SIR_FDM_2_20200603T213700_20200603T213709_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T213712_20200603T213713_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T220817_20200603T223406_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T220817_20200603T223406_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).	CS_OFFL_SIR_FDM_220200603T213635_20200603T213645_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
S_OFFL_SIR_FDM_2_20200603T213712_20200603T213713_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).         S_OFFL_SIR_FDM_2_20200603T220817_20200603T223406_C001.DBL       FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).	CS_OFFL_SIR_FDM_220200603T213648_20200603T213656_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
S_OFFL_SIR_FDM_2_20200603T220817_20200603T223406_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).	CS_OFFL_SIR_FDM_220200603T213700_20200603T213709_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
	CS_OFFL_SIR_FDM_220200603T213712_20200603T213713_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
S_OFFL_SIR_FDM_2_20200603T224813_20200603T232216_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).	CS_OFFL_SIR_FDM_220200603T220817_20200603T223406_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
	CS_OFFL_SIR_FDM_220200603T224813_20200603T232216_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).

## 6.3 L2 FDM Auxiliary Data File Usage Check

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

 Number of products with errors:
 0

#### 6.4 L2 FDM Auxiliary Correction Error Check

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

Number of products with errors: 40			
Product	Test Failed	Description	
CS_OFFL_SIR_FDM_220200602T233906_20200603T001255_C001		There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records	
CS_OFFL_SIR_FDM_220200603T011846_20200603T014020_C001		There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records	
CS_OFFL_SIR_FDM_220200603T014306_20200603T015213_C001		There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records	
CS_OFFL_SIR_FDM_220200603T023103_20200603T024221_C001		There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records	
CS_OFFL_SIR_FDM_220200603T032605_20200603T033114_C001		There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records	
CS_OFFL_SIR_FDM_220200603T045359_20200603T045438_C001		There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records	
CS_OFFL_SIR_FDM_220200603T052753_20200603T053340_C001		There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records	

CS_OFFL_SIR_FDM_220200603T053343_20200603T054129_C001
CS_OFFL_SIR_FDM_220200603T054943_20200603T060120_C001
CS_OFFL_SIR_FDM_220200603T062348_20200603T063106_C001
CS_OFFL_SIR_FDM_220200603T063413_20200603T064811_C001
CS_OFFL_SIR_FDM_220200603T070940_20200603T071253_C001
CS_OFFL_SIR_FDM_220200603T071425_20200603T071650_C001
CS_OFFL_SIR_FDM_220200603T071813_20200603T072300_C001
CS_OFFL_SIR_FDM_220200603T072539_20200603T074148_C001
CS_OFFL_SIR_FDM_220200603T075606_20200603T081821_C001
CS_OFFL_SIR_FDM_220200603T085745_20200603T092041_C001
CS_OFFL_SIR_FDM_220200603T093532_20200603T100032_C001
CS_OFFL_SIR_FDM_220200603T103249_20200603T105942_C001
CS_OFFL_SIR_FDM_220200603T111351_20200603T112817_C001
CS_OFFL_SIR_FDM_220200603T112820_20200603T113437_C001
CS_OFFL_SIR_FDM_220200603T113718_20200603T114039_C001
CS_OFFL_SIR_FDM_220200603T120436_20200603T123835_C001
CS_OFFL_SIR_FDM_220200603T134443_20200603T135326_C001
CS_OFFL_SIR_FDM_220200603T135613_20200603T141742_C001
CS_OFFL_SIR_FDM_220200603T144630_20200603T145345_C001
CS_OFFL_SIR_FDM_220200603T145428_20200603T145904_C001
CS_OFFL_SIR_FDM_220200603T150824_20200603T150836_C001
CS_OFFL_SIR_FDM_220200603T170624_20200603T171844_C001
CS_OFFL_SIR_FDM_220200603T172048_20200603T173603_C001
CS_OFFL_SIR_FDM_220200603T180917_20200603T182141_C001
CS_OFFL_SIR_FDM_220200603T185625_20200603T185834_C001
CS_OFFL_SIR_FDM_220200603T192926_20200603T200248_C001
CS_OFFL_SIR_FDM_220200603T200503_20200603T200554_C001
CS_OFFL_SIR_FDM_220200603T205220_20200603T205401_C001
CS_OFFL_SIR_FDM_220200603T210829_20200603T213427_C001
CS_OFFL_SIR_FDM_220200603T213430_20200603T213538_C001
CS_OFFL_SIR_FDM_220200603T220817_20200603T223406_C001
CS_OFFL_SIR_FDM_220200603T224813_20200603T232216_C001
CS_OFFL_SIR_FDM_220200603T234627_20200603T235453_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
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
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
Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
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
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
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
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
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
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
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
Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
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
Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias
Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Wind Speed Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed	Correction for one or more records There is an error with the Sea State Bias Correction for one or more
Sea State Bias Correction Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed	Correction for one or more records

Correction for one or more records
There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
There is an error with the Sea State Bias Correction for one or more records
There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
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There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
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There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
There is an error with the Sea State Bias Correction for one or more records
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

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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 er	rors:
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Product	Test Failed	Description
CS_OFFL_SIR_FDM_220200603T050751_20200603T051405_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220200603T100514_20200603T100819_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220200603T114439_20200603T114534_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: 27

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220200602T233906_20200603T001255_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_220200603T014306_20200603T015213_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_220200603T032605_20200603T033114_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_220200603T053343_20200603T054129_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_220200603T054943_20200603T060120_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 inonged for these records.

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CS_OFFL_SIR_FDM_220200603T062348_20200603T063106_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_220200603T070940_20200603T071253_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_220200603T071425_20200603T071650_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_220200603T071813_20200603T072300_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_220200603T075606_20200603T081821_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_220200603T085745_20200603T092041_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_220200603T093532_20200603T100032_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_220200603T111351_20200603T112817_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_220200603T112820_20200603T113437_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_220200603T113718_20200603T114039_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_220200603T135613_20200603T141742_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_220200603T144630_20200603T145345_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_20200603T170624_20200603T171844_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_220200603T172048_20200603T173603_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_20200603T180917_20200603T182141_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_220200603T185625_20200603T185834_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_20200603T192926_20200603T200248_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_220200603T200503_20200603T200554_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_220200603T210829_20200603T213427_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_220200603T213430_20200603T213538_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_220200603T220817_20200603T223406_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_220200603T234627_20200603T235453_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: 27		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_220200602T233906_20200603T001255_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_220200603T014306_20200603T015213_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_220200603T032605_20200603T033114_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_220200603T053343_20200603T054129_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_220200603T054943_20200603T060120_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_220200603T062348_20200603T063106_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_220200603T070940_20200603T071253_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_220200603T071425_20200603T071650_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_220200603T071813_20200603T072300_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_220200603T075606_20200603T081821_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_220200603T085745_20200603T092041_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_220200603T093532_20200603T100032_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_220200603T111351_20200603T112817_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_220200603T112820_20200603T113437_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_220200603T113718_20200603T114039_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_220200603T135613_20200603T141742_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_220200603T144630_20200603T145345_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_220200603T170624_20200603T171844_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_220200603T172048_20200603T173603_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_220200603T180917_20200603T182141_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_220200603T185625_20200603T185834_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_220200603T192926_20200603T200248_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_220200603T200503_20200603T200554_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_220200603T210829_20200603T213427_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_220200603T213430_20200603T213538_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_220200603T220817_20200603T223406_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_220200603T234627_20200603T235453_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.

## 6.8 L2 FDM Ocean Retracking Quality Check

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

 Number of products with errors:
 45

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220200602T233906_20200603T001255_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_220200603T002712_20200603T002746_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_220200603T011846_20200603T014020_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_220200603T014306_20200603T015213_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_220200603T022431_20200603T022915_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_220200603T023103_20200603T024221_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_220200603T025806_20200603T030306_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_220200603T030316_20200603T032559_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_220200603T032605_20200603T033114_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_220200603T035456_20200603T041849_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_220200603T045833_20200603T050527_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_220200603T053343_20200603T054129_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_220200603T054943_20200603T060120_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_220200603T062348_20200603T063106_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_220200603T063413_20200603T064811_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_220200603T070940_20200603T071253_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_220200603T071425_20200603T071650_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_220200603T071813_20200603T072300_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_220200603T075606_20200603T081821_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_220200603T085745_20200603T092041_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_220200603T093532_20200603T100032_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_220200603T103016_20200603T103123_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_220200603T103249_20200603T105942_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_220200603T111351_20200603T112817_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_220200603T112820_20200603T113437_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_220200603T113718_20200603T114039_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_220200603T115109_20200603T115202_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_220200603T134443_20200603T135326_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_220200603T135613_20200603T141742_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_220200603T144630_20200603T145345_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_220200603T145428_20200603T145904_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_220200603T152428_20200603T155651_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_220200603T161521_20200603T164530_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_220200603T170624_20200603T171844_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_220200603T172048_20200603T173603_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_220200603T175238_20200603T180257_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_220200603T180917_20200603T182141_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_220200603T185625_20200603T185834_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_220200603T192926_20200603T200248_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_220200603T200503_20200603T200554_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_220200603T203045_20200603T205212_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_220200603T210829_20200603T213427_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_220200603T213430_20200603T213538_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_220200603T220817_20200603T223406_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_220200603T234627_20200603T235453_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_	162	162	162	0	0
SIR1SAR_0_	131	131	131	0	0
SIR1SIN_0_	114	114	114	0	0
SIR2SIN_0_	119	119	119	0	0
SIR_FDM_1B	162	162	2	0	160
SIR_FDM_2	160	160	102	58	0

7.1 QCC Errors		
Number of QCC reports with errors:	160	
7.2 QCC Warnings		
Number of QCC reports with warnings	62	
7.3 Missing QCC Reports		
Number of products with missing QCC reports:	0	