



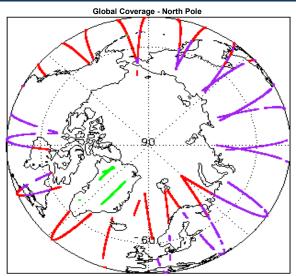
## 1. Overview

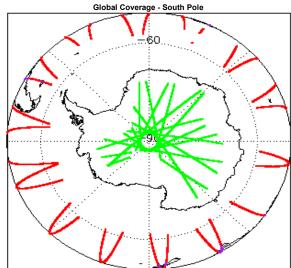
Report Production Date:	07-Aug-2019
Processor Used:	CryoSat Ice Processor
Data Used:	L1 and L2 Fast Delivery Marine (FDM)

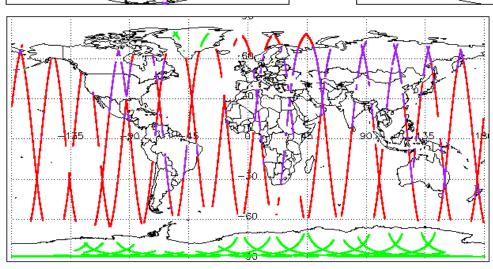
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2, 5.2 and 6.2
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check	Nominal
Auxiliary Data File Usage Check	Nominal
Auxiliary Correction Error Check	See Section 6.4
Measurement Confidence Data Check	See Section 5.7, 6.5, 6.6, 6.7 and 6.8

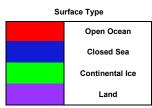
Mission	Mission / Instrument News		
05-Aug	g-2019	None	
06-Aug	g-2019	None	
07-Aug	g-2019	Nothing planned	

# 2. Global Coverage









## 3. Instrument Configuration

The SIRAL instrument configuration for the day of acquisition is provided below.

SIRAL instrument(s) in use:	SIRAL - A
Star Tracker(s) in use:	Star Tracker 1

# 4. Level 0 Data Quality Check

### 4.1 L0 Product Format Check

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

#### 4.2 L0 Product Header Analysis

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

Number of products with errors:

Product	Test Failed
CS_OPER_SIR1SAR_020190806T050838_20190806T051123_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020190806T044013_20190806T044301_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020190806T191859_20190806T192340_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020190806T125145_20190806T125610_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020190806T194923_20190806T195040_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020190806T013532_20190806T014328_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS OPER SIR2SIN 0 20190806T194923 20190806T195040 0001 HDR	Percentage of processing errors detected greater than minimum accentable 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:

Product	Test Failed
CS_OFFL_SIR_FDM_1B_20190806T011606_20190806T012303_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20190806T025931_20190806T030035_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20190806T062202_20190806T062248_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20190806T012303_20190806T012914_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20190806T122405_20190806T123631_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20190806T121715_20190806T122041_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20190806T121659_20190806T121709_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20190806T114452_20190806T120815_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: 3

Product	Test Failed
CS_OFFL_SIR_FDM_1B_20190806T011606_20190806T012303_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20190806T025931_20190806T030035_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20190806T061755_20190806T062201_C001	No Star Tracker file used in the processing of this product

#### 5.4 L1B FDM Calibration Usage Check

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

Number of products with errors: 0

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

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

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:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20190806T011606_20190806T012303_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20190806T025931_20190806T030035_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20190806T061755_20190806T062201_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20190806T111159_20190806T111842_C001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo

### 6. Level 2 FDM Data Quality Check

#### 6.1 L2 FDM Product Format Check

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

#### 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:

Product	Test Failed
CS_OFFL_SIR_FDM_220190806T083601_20190806T083937_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220190806T121659_20190806T121709_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220190806T122405_20190806T123631_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220190806T145932_20190806T150045_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220190806T121314_20190806T121652_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220190806T043318_20190806T043604_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220190806T061755_20190806T062201_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220190806T062202_20190806T062248_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:

44

So OPTL_SIR_FDM_2_01988807109182_01988807119151_001  So OPTL_SIR_FDM_2_01988807109182_01988807109187_0001  So OPTL_SIR_FDM_2_01988807109182_01988807109187_0001  So OPTL_SIR_FDM_2_01988807009182_01988807109187_0001  So OPTL_SIR_FDM_2_01988807009182_01988807109187_0001  So OPTL_SIR_FDM_2_01988807009182_01988807109187_0001  So OPTL_SIR_FDM_2_01988807009182_01988807109187_0001  So OPTL_SIR_FDM_2_01988807009182_01988807_0001  So OPTL_SIR_FDM_2_019888070098807_00000000000000000000000000	Product	Test Failed	Description
S. OFFL. SIR. FDM. 2_0190806T103233_20190806T102344_C001  S. OFFL. SIR. FDM. 2_0190806T103233_20190806T102340_C001  S. OFFL. SIR. FDM. 2_0190806T103233_20190806T102340_C001  S. OFFL. SIR. FDM. 2_0190806T103232_20190806T102340_C001  S. OFFL. SIR. FDM. 2_0190806T103232_20190806T103240_C001  S. OFFL. SIR. FDM. 2_0190806T103240_C001  S. OFFL. SIR. FDM. 2_0190806T103240_C001  S. OFFL. SIR. FDM. 2_0190806T103109_20190806T03412_C001  S. OFFL. SIR. FDM. 2_0190806T10320_20190806T03412_C001  S. OFFL. SIR. FDM. 2_0190806T103402_C001  S. OFFL. SIR. FDM. 2_0190806T103402_C0190806T034032_C001  S. OFFL. SIR. FDM. 2_0190806T103402_C0190806T034032_C001  S. OFFL. SIR. FDM. 2_0190806T103402_C0190806T034032_C001  S. OFFL. SIR. FDM. 2_0190806T034072_C0190806T0340000000000000000000000000000000000			There is an error with the Altimetric Wind Speed and Sea State Bias
Sp. CFFL. Sir. PLM 2_201908061702402 201908061702409. C001  Sp. CFFL. Sir. PLM 2_201908061702402 201908061702409. C001  Sp. CFFL. Sir. PLM 2_201908061702402 201908061702302 C001  Sp. CFFL. Sir. PLM 2_201908061702401 201908061702302 C001  Sp. CFFL. Sir. PLM 2_201908061702402 201908061702302 C001  Sp. CFFL. Sir. PLM 2_201908061702402 201908061702302 C001  Sp. CFFL. Sir. PLM 2_201908061702402 C001  Sp. CFFL. Sir. PLM 2_20190806170303 C001  Sp. CFFL. Sir. PLM 2_20190806170302	S_OFFL_SIR_FDM_220190806T005125_20190806T011511_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
Sp. CPFL_SIR_FDM_2_201908067103222_20190807103292_C001  Sp. CPFL_SIR_FDM_2_201908067103292_20190807103292_C001  Sp. CPFL_SIR_FDM_2_201908067103292_20190807103292_C001  Sp. CPFL_SIR_FDM_2_201908067103292_20190807103292_C001  Sp. CPFL_SIR_FDM_2_201908067103292_20190807103292_C001  Sp. CPFL_SIR_FDM_2_2019080671041222_20190807103292_C001  Sp. CPFL_SIR_FDM_2_2019080671041222_20190807103292_C001  Sp. CPFL_SIR_FDM_2_2019080671041222_20190807103292_C001  Sp. CPFL_SIR_FDM_2_201908067103292_20190807103292_C001  Sp. CPFL_SIR_FDM_2_201908067103292_20190807103292_C001  Sp. CPFL_SIR_FDM_2_201908067100904207_C001  Sp. CPFL_SIR_FDM_2_201908067100904207_C001  Sp. CPFL_SIR_FDM_2_201908067100904207_C001  Sp. CPFL_SIR_FDM_2_201908067100904207_C001  Sp. CPFL_SIR_FDM_2_20190806710090571004407_C001  Sp. CPFL_SIR_FDM_2_2019080671009057_C001000071004007_C001  Sp. CPFL_SIR_FDM_2_2019080671009057_C001000071004007_C001  Sp. CPFL_SIR_FDM_2_2019080671009057_C001000071004007_C001000007_C00100007_C00100007_C00100007_C00100007_C00100007_C00100007_C00100007_C00100007_C00100007_C00100007_C00100007_C00100007_C00100007_C00100007_C00100007_C00100007_C00100007_C00100007_C001000007_C00100007_C00100007_C00100007_C00100007_C00100007_C00100007_C00100007_C00100007_C00100007_C00100007_C00100007_C00100007_C001000007_C00100007_C00100007_C00100007_C00100007_C00100007_C001000007_C001000007_C001000007_C001000007_C001000007_C001000007_C001000007_C001000007_C001000007_C001000007_C001000007_C001000007_C001000007_C0010000007_C001000007_C001000007_C001000007_C001000007_C001000007_C001000007_C001000007_C001000007_C001000007_C001000000	S_OFFL_SIR_FDM_220190806T012303_20190806T012914_C001		
S. OFFL.SIR.FDM2_01000067103008_01090067103450_0001	S_OFFL_SIR_FDM_220190806T014328_20190806T015827_C001	Wind Speed	Correction for one or more records
SOFFL_SIR_FDM_2_20190806703959_20190806704247 C001  So_OFFL_SIR_FDM_2_20190806704522_20190806704247 C001  So_OFFL_SIR_FDM_2_2019080670452_20190806704247 C001  So_OFFL_SIR_FDM_2_2019080670452_20190806704247 C001  So_OFFL_SIR_FDM_2_2019080670452_20190806704247 C001  So_OFFL_SIR_FDM_2_2019080670452_20190806704383_C001  So_OFFL_SIR_FDM_2_20190806704572_20190806706383_C001  So_OFFL_SIR_FDM_2_2019080670648_20190806706320_C001  So_OFFL_SIR_FDM_2_2019080670648_20190806706132_C001  So_OFFL_SIR_FDM_2_20190806706392_201908067061312_C001  So_OFFL_SIR_FDM_2_20190806708392_C001  So_OFFL_SIR_FDM_2_20190806708393_C001  So_OFFL_SIR_FDM_2_20190806708393_C001  So_OFFL_SIR_FDM_2_20190806708393_C001  So_OFFL_SIR_FDM_2_20190806708393_C001  So_OFFL_SIR_FDM_2_201908067083961946_C001  So_OFFL_SIR_FDM_2_201908067083961946_C001  So_OFFL_SIR_FDM_2_201908067083962_C001  So	S_OFFL_SIR_FDM_220190806T020401_20190806T021329_C001		
SUPFL_SIR_FDM_2_20190806T104159_20190806T0953512_C001  S_OFFL_SIR_FDM_2_20190806T041515_20190806T042647_C001  S_OFFL_SIR_FDM_2_20190806T041515_20190806T04064712_C001  S_OFFL_SIR_FDM_2_20190806T041515_20190806T080838_C001  S_OFFL_SIR_FDM_2_20190806T041512_20190806T080838_C001  S_OFFL_SIR_FDM_2_20190806T041512_20190806T080838_C001  S_OFFL_SIR_FDM_2_20190806T041512_20190806T080838_C001  S_OFFL_SIR_FDM_2_20190806T080404_20190806T080809_C001  S_OFFL_SIR_FDM_2_20190806T080404_20190806T080409_C001  S_OFFL_SIR_FDM_2_20190806T080404_20190806T09174300_C001  S_OFFL_SIR_FDM_2_20190806T080407_3030_20190806T091340_C001  S_OFFL_SIR_FDM_2_20190806T080407_20190806T091946_C001  S_OFFL_SIR_FDM_2_20190806T040407_20190806T091946_C001  S_OFFL_SIR_FDM_2_20190806T040407_20190806T091946_C001  S_OFFL_SIR_FDM_2_20190806T040407_20190806T091946_C001  S_OFFL_SIR_FDM_2_20190806T040407_20190806T091946_C001  S_OFFL_SIR_FDM_2_20190806T040407_20190806T091946_C001  S_OFFL_SIR_FDM_2_20190806T040407_20190806T091946_C001  S_OFFL_SIR_FDM_2_20190806T040407_20190806T091946_C001  S_OFFL_SIR_FDM_2_20190806T040407_20190806T091946_C001  S_OFFL_SIR_FDM_2_20190806T040407_20190806T1040400000000000000000000000000000000	S_OFFL_SIR_FDM_220190806T023028_20190806T023456_C001	Wind Speed	Correction for one or more records
Sport_Sir_FibM_2_20198860T04122_229188806T042472_C001 Sea State Blas Correction, Allimetric Wind Speed and Sea State Blas Correction From the Correction Sea State Blas Correction, Allimetric Wind Speed and Sea State Blas Correction from the Correction Sea State Blas Correction, Allimetric Wind Speed and Sea State Blas Correction, Allimetric Wind Speed and Sea State Blas Correction, Allimetric Wind Speed Sea State Blas Correction Sea State Blas	S_OFFL_SIR_FDM_220190806T030621_20190806T030803_C001	Wind Speed	Correction for one or more records
So CPFL_SIR_FDM_2_20198060T044512_20198060T045470 So CPFL_SIR_FDM_2_20198060T045720_20198060T053220_C001 So CPFL_SIR_FDM_2_20198060T045720_20198060T053220_C001 So CPFL_SIR_FDM_2_20198060T051122_20198060T053220_C001 So CPFL_SIR_FDM_2_20198060T05122_0198060T053220_C001 So CPFL_SIR_FDM_2_20198060T05122_0198060T053220_C001 So CPFL_SIR_FDM_2_20198060T063484_20198060T063520_C001 So CPFL_SIR_FDM_2_20198060T063617_20198060T063680_C001 Wind Speed So CPFL_SIR_FDM_2_20198060T063617_20198060T07131_C001 So CPFL_SIR_FDM_2_20198060T07302_20198060T07300_C001 So CPFL_SIR_FDM_2_20198060T07302_20198060T07300_C001 So CPFL_SIR_FDM_2_20198060T07302_20198060T083937_C001 So CPFL_SIR_FDM_2_20198060T090757_20198060T09146_C001 So CPFL_SIR_FDM_2_20198060T090757_20198060T090757_C001 So CPFL_SIR_FDM_2_20198060T090757_20198060T0907405_C001 So CPFL_SIR_FDM_2_20198060T090757_20198060T090757_C001 So CPFL_SIR_FDM_2_20198060T090757_C001 So CPFL_SIR_FDM_2_20198060T090757_C001 So	S_OFFL_SIR_FDM_220190806T031959_20190806T035312_C001		Correction for one or more records
Superful Right Pow. 2_01988867104572_0198886708348_000  Superful Right Pow. 2_01988867104572_0198886708322_000  Superful Right Pow. 2_01988867104572_01988867081484_000  Superful Right Pow. 2_01988867104572_019888671081484_000  Superful Right Pow. 2_01988867104572_019888671081484_000  Superful Right Pow. 2_01988867108184_00088671081484_000  Superful Right Pow. 2_01988867108184_00088671081484_000  Superful Right Pow. 2_01988867108184_0008867108184_0008867108184_000886718284_000886718	S_OFFL_SIR_FDM_220190806T041222_20190806T042647_C001		records
SpeTEL_SIR_FDM_2_20190806T054143_20190806T054948_20190806T054940_20190806T0549	S_OFFL_SIR_FDM_220190806T044515_20190806T044712_C001	Wind Speed	Correction for one or more records
So GFFL_SIR_FDM_2_20190806T09348_20190806T0960859_C001  So GFFL_SIR_FDM_2_20190806T09348_20190806T0960859_C001  So GFFL_SIR_FDM_2_20190806T093049_20190806T0911131_C001  So GFFL_SIR_FDM_2_20190806T093049_20190806T0911131_C001  So GFFL_SIR_FDM_2_20190806T093032_20190806T091336_C001  So GFFL_SIR_FDM_2_20190906T093032_20190806T093368_C001  So GFFL_SIR_FDM_2_20190906T093030_20190806T093368_C001  So GFFL_SIR_FDM_2_20190906T093030_20190806T093368_C001  So GFFL_SIR_FDM_2_20190906T093094_C001  So GFFL_SIR_FDM_2_20190906T093094_C001  So GFFL_SIR_FDM_2_20190906T093094_C001  So GFFL_SIR_FDM_2_20190906T093094_C001  So GFFL_SIR_FDM_2_20190906T1930906T09376_C001  So GFFL_SIR_FDM_2_20190906T193094_C001  So GFFL_SIR_FDM_2_20190906T193094_C001  So GFFL_SIR_FDM_2_20190906T193094_C001  So GFFL_SIR_FDM_2_20190906T194022_20190906T193096_C001  So GFFL_SIR_FDM_2_20190906T194022_20190906T194050_C001  So GFFL_SIR_FDM_2_20190906T194022_20190906T194050_C001  So GFFL_SIR_FDM_2_20190906T194022_20190906T194050_C001  So GFFL_SIR_FDM_2_20190906T194052_20190906T194050_C001  So GFFL_SIR_FDM_2_20190906T194050_C001  So GFFL_SIR_FDM_2_20190906T194060_C001  So GFFL_SIR_FDM_2_20190906T194060_C001  So GFFL_SIR_FDM_2_20190906T194060_C001  So GFFL_SIR_FDM_2_20190906T194060_C001  So GFFL_SIR_FDM_2_20190906T194060_C001  So GFFL_SIR_FDM_2_201	S_OFFL_SIR_FDM_220190806T045720_20190806T050838_C001	Wind Speed	Correction for one or more records
Sporelly sire promoted the process of the process o	S_OFFL_SIR_FDM_220190806T051123_20190806T053220_C001	Wind Speed	Correction for one or more records
Sporff_Sir_FDM_2_20199006710939191090067074300_C001 Sporff_Sir_FDM_2_201990067073032_201990067074300_C001 Sporff_Sir_FDM_2_201990067073032_201990067074300_C001 Sporff_Sir_FDM_2_201990067082231_201990067083385_C001 Sporff_Sir_FDM_2_201990067082231_201990067083387_C001 Sporff_Sir_FDM_2_201990067082231_201990067083387_C001 Sporff_Sir_FDM_2_201990067082231_201990067083397_C001 Sporff_Sir_FDM_2_201990067092427_201990067093397_C001 Sporff_Sir_FDM_2_201990067092427_201990067093723_C001 Sporff_Sir_FDM_2_201990067092427_201990067093723_C001 Sporff_Sir_FDM_2_201990067092427_201990067094055_C001 Sporff_Sir_FDM_2_201990067092427_201990067094055_C001 Sporff_Sir_FDM_2_201990067104528_20199006719405_C001 Sporff_Sir_FDM_2_20199006714452_201990067120155_C001 Sporff_Sir_FDM_2_201990067132224_201990067120155_C001 Sporff_Sir_FDM_2_201990067132224_2019900671325145_C001 Sporff_Sir_FDM_2_201990067132224_2019900671324505_C001 Sporff_Sir_FDM_2_20199006714906_201900667145346_C001 Sporff_Sir_FDM_2_20199006714906_201900667145346_C001 Sporff_Sir_FDM_2_20199006714906_201900667145346_C001 Sporff_Sir_FDM_2_20199006714906_201900667145346_C001 Sporff_Sir_FDM_2_20199006714906_201900667145346_C001 Sporff_Sir_FDM_2_2019900671490667145346_C001 Sporff_Sir_FDM_2_2019900671490667145346_C001 Sporff_Sir_FDM_2_2019900671490667145346_C001 Sporff_Sir_FDM_2_2019900671490667145346_C001 Sporff_Sir_FDM_2_2019900671490667145346_C001 Sporff_Sir_FDM_2_2019900671490667145346_C001 Sporff_Sir_FDM_2_2019900671490667145346_C001 Sporff_Sir_FDM_2_201990067149066715227_20190066715347_C001 Sporff_Sir_FDM_2_201990067190066715347_0000667163437_00010667163437_000	S_OFFL_SIR_FDM_220190806T054948_20190806T060859_C001	Wind Speed	Correction for one or more records
Wind Speed	S_OFFL_SIR_FDM_220190806T060949_20190806T061414_C001	Wind Speed	Correction for one or more records
Se State Bias Correction (Altimetric Wind Speed and Sea State Bias Correction for one or more records correction for one or more records with the Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records wind Speed and Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records wind Speed and Sea State Bias Correction for one or more records wind Speed and Sea State Bias Correction for one or more records wind Speed and Sea State Bias Correction for one or more records wind Speed and Sea State Bias Correction for one or more records wind Speed and Sea State Bias Correction for one or more records wind Speed and Sea State Bias Correction for one or more records wind Speed and Sea State Bias Correction for one or more records wind Speed and Sea State Bias Correction for one or more records wind Speed and Sea State Bias Correction for one or more records wind Speed and Sea State Bias Correction for one or more records wind Speed and Sea State Bias Correction for one or more records wind Speed and Sea State Bias Correct	S_OFFL_SIR_FDM_220190806T063617_20190806T071131_C001		Correction for one or more records
Source control for one or more records Source control for	S_OFFL_SIR_FDM_220190806T073032_20190806T074300_C001		records
S_OFFL_SIR_FDM_2_20190806T093757_20190806T091946_C001  S_OFFL_SIR_FDM_2_20190806T090757_20190806T091946_C001  S_OFFL_SIR_FDM_2_20190806T092427_20190806T093723_C001  S_OFFL_SIR_FDM_2_20190806T0932427_20190806T093723_C001  S_OFFL_SIR_FDM_2_20190806T093466_20190806T094055_C001  S_OFFL_SIR_FDM_2_20190806T104528_20190806T111059_C001  S_OFFL_SIR_FDM_2_20190806T114452_20190806T11059_C001  S_OFFL_SIR_FDM_2_20190806T114452_20190806T120815_C001  S_OFFL_SIR_FDM_2_20190806T1204042_20190806T120815_C001  S_OFFL_SIR_FDM_2_20190806T124042_20190806T120815_C001  S_OFFL_SIR_FDM_2_20190806T144908_20190806T134750_C001  S_OFFL_SIR_FDM_2_20190806T144909_20190806T143749_C001  S_OFFL_SIR_FDM_2_20190806T144909_20190806T152416_C001  S_OFFL_SIR_FDM_2_20190806T152618_20190806T15249_C001  S_OFFL_SIR_FDM_2_20190806T152618_20190806T152820_C001  S_OFFL_SIR_FDM_2_20190806T152618_20190806T15818_C001  S_OFFL_SIR_FDM_2_20190806T19633_0190806T19634_C001  S_OFFL_SIR_FDM_2_20190806T19023_20190806T19634_C001  S_OFFL_SIR_FDM_2_20190806T19633_0190806T19634_C001  S_OFFL_SIR_FDM_2_20190806T19633_0190806T19634_C001  S_OFFL_SIR_FDM_2_20190806T19633_0190806T19634_C001  S_OFFL_SIR_FDM_2_20190806T19633_0190806T19634_C001  S_OFFL_SIR_FDM_2_20190806T19633_0190806T19634_C001  S_OFFL_SIR_FDM_2_20190806T19633_0190806T19634_C001  S_OFFL_SIR_FDM_2_20190806T19633_0190806T19634_C0	S_OFFL_SIR_FDM_220190806T082231_20190806T083358_C001	Wind Speed	Correction for one or more records
SOFFL_SIR_FDM_2_20190806T093442_20190806T094055_C001  So GFFL_SIR_FDM_2_20190806T093464_20190806T094055_C001  So GFFL_SIR_FDM_2_20190806T104528_20190806T11059_C001  So GFFL_SIR_FDM_2_20190806T114452_20190806T120815_C001  So GFFL_SIR_FDM_2_20190806T124042_20190806T125145_C001  So GFFL_SIR_FDM_2_20190806T132224_20190806T125145_C001  So GFFL_SIR_FDM_2_20190806T132224_20190806T134750_C001  So GFFL_SIR_FDM_2_20190806T132224_20190806T143749_C001  So GFFL_SIR_FDM_2_20190806T14956_20190806T143749_C001  So GFFL_SIR_FDM_2_20190806T152525_20190806T152419_C001  So GFFL_SIR_FDM_2_20190806T152525_20190806T152419_C001  So GFFL_SIR_FDM_2_20190806T152527_20190806T152419_C001  So GFFL_SIR_FDM_2_20190806T152527_20190806T152419_C001  So GFFL_SIR_FDM_2_20190806T1525419_C001  So GFFL_SI	S_OFFL_SIR_FDM_220190806T083601_20190806T083937_C001	Wind Speed	Correction for one or more records
S_OFFL_SIR_FDM_2_20190806T093846_20190806T094055_CO01  Sea State Bias Correction, Altimetric Wind Speed Correction for one or more records  S_OFFL_SIR_FDM_2_20190806T104528_20190806T111059_CO01  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  S_OFFL_SIR_FDM_2_20190806T144552_20190806T120815_CO01  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  S_OFFL_SIR_FDM_2_20190806T124042_20190806T125145_CO01  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  S_OFFL_SIR_FDM_2_20190806T132224_20190806T134750_CO01  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  S_OFFL_SIR_FDM_2_20190806T141956_20190806T143749_CO01  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  S_OFFL_SIR_FDM_2_20190806T14956_20190806T145346_CO01  S_OFFL_SIR_FDM_2_20190806T152257_20190806T152419_CO01  S_OFFL_SIR_FDM_2_20190806T15257_20190806T152620_CO01  S_OFFL_SIR_FDM_2_20190806T152437_20190806T152620_CO01  S_OFFL_SIR_FDM_2_20190806T15447_20190806T161843_CO01  S_OFFL_SIR_FDM_2_20190806T15447_20190806T163137_CO01  S_OFFL_SIR_FDM_2_20190806T15447_20190806T163137_CO01  S_OFFL_SIR_FDM_2_20190806T163130_20190806T163137_CO01  S_OFFL_SIR_FDM_2_20190806T163130_20190806T163137_CO01  S_OFFL_SIR_FDM_2_20190806T163130_20190806T163137_CO01  S_OFFL_SIR_FDM_2_20190806T190223_20190806T191859_CO01  S_OFFL_SIR_FDM_2	S_OFFL_SIR_FDM_220190806T090757_20190806T091946_C001	Wind Speed	Correction for one or more records
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Wind Speed  S_OFFL_SIR_FDM_2_20190806T141956_20190806T143749_C001  Sea State Bias Correction  S_OFFL_SIR_FDM_2_20190806T144909_20190806T145346_C001  S_OFFL_SIR_FDM_2_20190806T152257_20190806T152419_C001  S_OFFL_SIR_FDM_2_20190806T152257_20190806T152419_C001  S_OFFL_SIR_FDM_2_20190806T152618_20190806T152620_C001  S_OFFL_SIR_FDM_2_20190806T152618_20190806T152620_C001  S_OFFL_SIR_FDM_2_20190806T154347_20190806T152620_C001  S_OFFL_SIR_FDM_2_20190806T154347_20190806T161843_C001  S_OFFL_SIR_FDM_2_20190806T163130_20190806T163137_C001  S_OFFL_SIR_FDM_2_20190806T163130_20190806T163137_C001  S_OFFL_SIR_FDM_2_20190806T163130_20190806T163137_C001  S_OFFL_SIR_FDM_2_20190806T172237_20190806T175818_C001  S_OFFL_SIR_FDM_2_20190806T190223_20190806T191634_C001  S_OFFL_SIR_FDM_2_20190806T190223_20190806T191634_C001  S_OFFL_SIR_FDM_2_20190806T190223_20190806T191634_C001  S_OFFL_SIR_FDM_2_20190806T190223_20190806T191635_C001  S_OFFL_SIR_FDM_2_20190806T190223_20190806T191635_C001  S_OFFL_SIR_FDM_2_20190806T190223_20190806T191635_C001  S_OFFL_SIR_FDM_2_20190806T190223_20190806T191859_C001  S_OFFL_SIR_FDM_2_20190806T192341_20190806T193805_C001  S_OFFL_SIR_FDM_2_20190806T190231_20190806T193805_C001  S_OFFL_SIR_FDM_2_20190806T192341_20190806T193805_C001  S_OFFL_SIR_FDM_2_20190806T192341_20190806T193805_C001  S_OFFL_SIR_FDM_2_20190806T192341_20190806T193805_C001  S_OFFL_SIR_FDM_2_20190806T192341_20190806T193805_C001  S_OFFL_SIR_FDM_2_20190806T192341_20190806T193805_C001  S_OFFL_SIR_FDM_2_20190806T192341_20190806T193805_C001  S_OFFL_SIR_FDM_2_20190806T1	S_OFFL_SIR_FDM_220190806T124042_20190806T125145_C001		records
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Mean Sea Surface height  Sea State Bias Correction, 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  Sea State Bias Correction, 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  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, 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  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, 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 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 Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Sp	S_OFFL_SIR_FDM_220190806T144909_20190806T145346_C001		Correction for one or more records
Wind Speed  S_OFFL_SIR_FDM_2_20190806T154347_20190806T161843_C001  S_OFFL_SIR_FDM_2_20190806T163130_20190806T163137_C001  S_OFFL_SIR_FDM_2_20190806T172237_20190806T175818_C001  S_OFFL_SIR_FDM_2_20190806T190223_20190806T191634_C001  S_OFFL_SIR_FDM_2_20190806T190223_20190806T191634_C001  S_OFFL_SIR_FDM_2_20190806T191653_20190806T191859_C001  S_OFFL_SIR_FDM_2_20190806T192341_20190806T193805_C001	S_OFFL_SIR_FDM_220190806T152257_20190806T152419_C001	•	records
Wind Speed  S_OFFL_SIR_FDM_2_20190806T163130_20190806T163137_C001  Sea State Bias Correction, 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  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, 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  Sea State Bias Correction, 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  Sea State Bias Correction, 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 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  The	S_OFFL_SIR_FDM_220190806T152618_20190806T152620_C001	Wind Speed	Correction for one or more records
Wind Speed S_OFFL_SIR_FDM_2_20190806T172237_20190806T175818_C001 S_OFFL_SIR_FDM_2_20190806T172237_20190806T191634_C001 S_OFFL_SIR_FDM_2_20190806T190223_20190806T191634_C001 S_OFFL_SIR_FDM_2_20190806T191653_20190806T191859_C001 S_OFFL_SIR_FDM_2_20190806T192341_20190806T193805_C001 S_OFFL_SIR_FDM_2_20190806T192341_20190806T193805_C001 S_OFFL_SIR_FDM_2_20190806T192341_20190806T193805_C001 S_OFFL_SIR_FDM_2_20190806T192341_20190806T193805_C001 S_OFFL_SIR_FDM_2_20190806T192341_20190806T193805_C001 S_OFFL_SIR_FDM_2_20190806T192341_20190806T193805_C001 S_OFFL_SIR_FDM_2_20190806T195040_20190806T200756_C001 S_OFFL_SIR_FDM_2_20190806T195040_20190806T200756_C001 S_OFFL_SIR_FDM_2_20190806T195040_20190806T200756_C001 S_OFFL_SIR_FDM_2_20190806T195040_20190806T200756_C001 S_OFFL_SIR_FDM_2_20190806T195040_20190806T200756_C001 S_OFFL_SIR_FDM_2_20190806T195040_20190806T200756_C001 S_OFFL_SIR_FDM_2_20190806T195040_20190806T200756_C001 S_OFFL_SIR_FDM_2_20190806T195040_20190806T200756_C001 S_OFFL_SIR_FDM_2_20190806T195040_20190806T195040_20190806T200756_C001 S_OFFL_SIR_FDM_2_20190806T195040_20190806T195040_20190806T200756_C001 S_OFFL_SIR_FDM_2_20190806T195040_20190806T1	S_OFFL_SIR_FDM_220190806T154347_20190806T161843_C001	Wind Speed	Correction for one or more records
Wind Speed  S_OFFL_SIR_FDM_2_20190806T190223_20190806T191634_C001  Sea State Bias Correction, 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, 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, Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, 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 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 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	S_OFFL_SIR_FDM_220190806T163130_20190806T163137_C001	Wind Speed	Correction for one or more records
Wind Speed  S_OFFL_SIR_FDM_2_20190806T191653_20190806T191859_C001  S_OFFL_SIR_FDM_2_20190806T192341_20190806T193805_C001  S_OFFL_SIR_FDM_2_20190806T192341_20190806T193805_C001  S_OFFL_SIR_FDM_2_20190806T192341_20190806T193805_C001  S_OFFL_SIR_FDM_2_20190806T192341_20190806T193805_C001  S_OFFL_SIR_FDM_2_20190806T195040_20190806T200756_C001  Wind Speed  Sea State Bias Correction, Altimetric  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  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 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 Altimetric Wind Speed and Sea State Bias	S_OFFL_SIR_FDM_220190806T172237_20190806T175818_C001	Wind Speed	Correction for one or more records
S_OFFL_SIR_FDM_2_20190806T191653_20190806T191859_C001  Wind Speed S_OFFL_SIR_FDM_2_20190806T192341_20190806T193805_C001  S_OFFL_SIR_FDM_2_20190806T192341_20190806T193805_C001  Wind Speed Sea State Bias Correction, Altimetric Wind Speed Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias	S_OFFL_SIR_FDM_220190806T190223_20190806T191634_C001	Wind Speed	Correction for one or more records
S_OFFL_SIR_FDM_2201908001192341_201908001193805_0001  Wind Speed  Sea State Bias Correction, Altimetric  Sea State Bias Correction, Altimetric  Sea State Bias Correction, Altimetric	S_OFFL_SIR_FDM_220190806T191653_20190806T191859_C001	Wind Speed	Correction for one or more records
	S_OFFL_SIR_FDM_220190806T192341_20190806T193805_C001	Wind Speed	Correction for one or more records
	:S_OFFL_SIR_FDM_220190806T195040_20190806T200756_C001		

CS_OFFL_SIR_FDM_220190806T200958_20190806T202414_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190806T204120_20190806T205604_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190806T205805_20190806T210728_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190806T213016_20190806T214656_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190806T215221_20190806T220503_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190806T223924_20190806T224220_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190806T230937_20190806T231808_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190806T231853_20190806T234457_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records

### 6.5 L2 FDM Measurement Confidence Data Check

4

CryoSat L2 data includes a measurement confidence flag (field 8) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220190806T011606_20190806T012303_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220190806T025931_20190806T030035_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220190806T061755_20190806T062201_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220190806T111159_20190806T111842_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo

#### 6.6 L2 FDM Range Measurement Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220190806T000157_20190806T003533_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_220190806T005125_20190806T011511_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_220190806T012303_20190806T012914_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_220190806T014328_20190806T015827_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_220190806T030621_20190806T030803_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_220190806T044515_20190806T044712_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_220190806T045720_20190806T050838_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_220190806T051123_20190806T053220_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_220190806T054948_20190806T060859_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_220190806T060949_20190806T061414_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_220190806T063617_20190806T071131_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_220190806T082231_20190806T083358_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_220190806T083601_20190806T083937_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_220190806T090757_20190806T091946_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_220190806T092427_20190806T093723_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_220190806T104528_20190806T111059_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_220190806T132224_20190806T134750_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_220190806T144909_20190806T145346_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_220190806T154347_20190806T161843_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_220190806T172237_20190806T175818_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_220190806T190223_20190806T191634_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_220190806T191653_20190806T191859_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_220190806T192341_20190806T193805_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_20190806T195040_20190806T200756_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_220190806T200958_20190806T202414_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_220190806T204120_20190806T205604_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_20190806T205805_20190806T210728_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_20190806T213016_20190806T214656_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_20190806T223924_20190806T224220_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_20190806T230937_20190806T231808_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_20190806T231853_20190806T234457_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:

31

Product	Test Failed	Description
CS_OFFL_SIR_FDM_2_20190806T000157_20190806T003533_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20190806T005125_20190806T011511_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20190806T012303_20190806T012914_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20190806T014328_20190806T015827_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_220190806T030621_20190806T030803_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_220190806T044515_20190806T044712_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_220190806T045720_20190806T050838_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_220190806T051123_20190806T053220_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20190806T054948_20190806T060859_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_220190806T060949_20190806T061414_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_220190806T063617_20190806T071131_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_220190806T082231_20190806T083358_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_220190806T083601_20190806T083937_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_220190806T090757_20190806T091946_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_220190806T092427_20190806T093723_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_220190806T104528_20190806T111059_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_220190806T132224_20190806T134750_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_220190806T144909_20190806T145346_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_220190806T154347_20190806T161843_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_220190806T172237_20190806T175818_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_220190806T190223_20190806T191634_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_220190806T191653_20190806T191859_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20190806T192341_20190806T193805_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_220190806T195040_20190806T200756_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_220190806T200958_20190806T202414_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_220190806T204120_20190806T205604_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_220190806T205805_20190806T210728_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_220190806T213016_20190806T214656_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_220190806T223924_20190806T224220_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_220190806T230937_20190806T231808_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_220190806T231853_20190806T234457_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.

43

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220190806T000157_20190806T003533_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_220190806T005125_20190806T011511_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_220190806T012303_20190806T012914_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_220190806T014328_20190806T015827_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_220190806T030621_20190806T030803_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_220190806T031959_20190806T035312_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_220190806T041222_20190806T042647_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_220190806T044515_20190806T044712_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_220190806T045720_20190806T050838_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_220190806T051123_20190806T053220_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_220190806T054948_20190806T060859_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_220190806T060949_20190806T061414_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_220190806T063617_20190806T071131_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_220190806T073032_20190806T074300_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_220190806T074349_20190806T080056_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_220190806T082231_20190806T083358_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_220190806T083601_20190806T083937_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_220190806T090757_20190806T091946_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_220190806T092427_20190806T093723_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_220190806T093846_20190806T094055_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_220190806T104528_20190806T111059_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_220190806T114452_20190806T120815_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_220190806T124042_20190806T125145_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_220190806T132224_20190806T134750_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_220190806T140416_20190806T141421_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_220190806T141956_20190806T143749_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_220190806T144909_20190806T145346_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_220190806T154347_20190806T161843_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_220190806T164850_20190806T170516_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_220190806T172237_20190806T175818_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_220190806T182016_20190806T184310_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_220190806T190223_20190806T191634_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_220190806T191653_20190806T191859_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_220190806T192341_20190806T193805_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_220190806T195040_20190806T200756_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_220190806T200958_20190806T202414_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.
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CS_OFFL_SIR_FDM_220190806T204120_20190806T205604_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_220190806T205805_20190806T210728_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_220190806T213016_20190806T214656_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_220190806T215221_20190806T220503_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_220190806T223924_20190806T224220_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_220190806T230937_20190806T231808_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_220190806T231853_20190806T234457_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_	133	133	133	0	0
SIR1SAR_0_	131	103	103	0	0
SIR1SIN_0_	103	103	102	1	0
SIR_FDM_1B	133	131	133	0	0
SIR FDM 2	131	131	131	0	0

## 7.1 QCC Errors

Number of QCC reports with errors:

0

## 7.2 QCC Warnings

Number of QCC reports with warnings

			lotal number of occurrences of each warning							
		1	0	0	0	0	0	0	0	0
Product Type	Product Start Time	QF	-	-	-	-	-	-	-	-
SIR1SIN 0	20190806T013532	Y								

Test Description Key:				
Abbreviation	Test name	Details		
QF	QualityFlag	The quality flag should be set to zero.		

## 7.3 Missing QCC Reports