



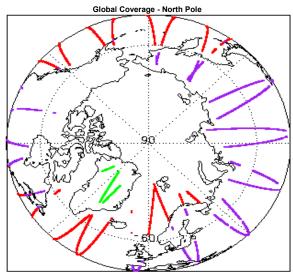
1. Overview

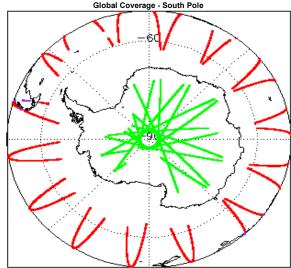
Report Production Date:	13-May-2019
Processor Used:	CryoSat Ice Processor
Data Used:	L1 and L2 Fast Delivery Marine (FDM)

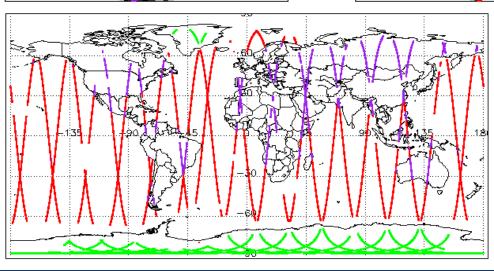
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check	Nominal
Auxiliary Data File 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

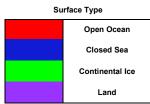
Mission / Instrument News		
11-May-2019	None	
12-May-2019	None	
13-May-2019	Nothing planned	

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_020190512T040031_20190512T040223_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020190512T004149_20190512T004349_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020190512T044216_20190512T044309_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_0_20190512T045920_20190512T051104_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_0_20190512T181502_20190512T181541_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.

5. Level 1B FDM Data Quality Check

5.1 L1B FDM Product Format Check

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

Number of products with errors:

5.2 L1B FDM Product Header Analysis

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

Number of products with errors:

5.3 L1B FDM Star Tracker Usage Check

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

Number of products with errors:

Product	Test Failed
CS_OFFL_SIR_FDM_1B_20190512T044310_20190512T044859_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20190512T080339_20190512T080407_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20190512T112754_20190512T112800_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: 0

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_20190512T044310_20190512T044859_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20190512T080339_20190512T080407_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20190512T112754_20190512T112800_C001	Attitude correction missing	The attitude has not been corrected

6. Level 2 FDM Data Quality Check

6.1 L2 FDM Product Format Check

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

Number of products with errors:

6.2 L2 FDM Product Header Analysis

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:

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:

20

Say State Bias Correction, Althreeft: (Say OFFL, SRF, FOM 2, 2016051700591, 20190517103020, 2010 (Say OFFL, SRF, FOM 2, 2016051700591, 20190517103020, 2010 (Say OFFL, SRF, FOM 2, 2016051700392, 20190517103030, 2010 (Say OFFL, SRF, FOM 2, 2016051700393, 2019051700394) (Say OFFL, SRF, FOM 2, 2016051700393, 2019051710394) (Say OFFL, SRF, FOM 2, 20160517103944) (Say OFFL,	Product	Test Failed	Description
See State Base Correction, Altimatic Word Speed Correct, SR, ForM. 2. 20190512701320 20190512701243 (2010) Word Speed Correction, Altimatic Word Speed Correction, Correction Correction for one or more records Correction for one	CS_OFFL_SIR_FDM_220190512T002508_20190512T003926_C001		·
So OFFL, SIR, FDM. 2. 201809127103293, 201905127103203 (2001) So OFFL, SIR, FDM. 2. 201809127103293, 201905127103030 (2001) So OFFL, SIR, FDM. 2. 201809127103293, 201905127103030 (2001) So OFFL, SIR, FDM. 2. 201809127103293, 201905127103031 (2001) So OFFL, SIR, FDM. 2. 201809127103293, 201905127103031 (2001) So OFFL, SIR, FDM. 2. 201809127103030 (2001) So OFFL, SIR, FDM. 2. 201809127103030 (2010) So OFFL, SIR, FDM. 2. 2018	CS OFFL SIR FDM 2 20190512T005601 20190512T011119 C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
See State Base Correction, Allimente, Wind Speed and See State Base Correction, Allimente, Wind Speed and See State B			
So OFFL, Sir, FoM. 2. 201905127103529, 2019051271050519, CO1 So OFFL, Sir, FoM. 2. 201905127103529, 2019051271050519, CO1 So OFFL, Sir, FoM. 2. 2019051271050519, CO10 So OFFL, Sir, FoM. 2. 2019051271050519, CO10 So Sibble Bills Correction, Allimetic Wind Speed and Sos State Bills Correction, Allimetic Wind Speed and Sos State Bills Correction, Allimetic Wind Speed and Sos State Bills Correction, Allimetic Wind Speed and Sos State Bills Correction, Allimetic Wind Speed and Sos State Bills Correction, Allimetic Wind Speed State Bills Correction, Allimet			
Confest, Sirk Poil. 2 20190912103407 201909121040031 C001 CS. OFFL, Sirk Poil. 2 20190912103407 201909121040031 C001 CS. OFFL, Sirk Poil. 2 20190912103407 20190912103407 C001 CS. OFFL, Sirk Poil. 2 20190912103407 20190912103407 C001 CS. OFFL, Sirk Poil. 2 20190912103407 20190912103397 C001 CS. OFFL, Sirk Poil. 2 20190912103400 20190912100397 C001 CS. OFFL, Sirk Poil. 2 20190912103400 20190912100397 C001 CS. OFFL, Sirk Poil. 2 201909121003400 20190912100397 C001 CS. OFFL, Sirk Poil. 2 20190912100300 20190912100317 C001 CS. OFFL, Sirk Poil. 2 20190912100300 20190912100317 C001 CS. OFFL, Sirk Poil. 2 20190912100300 20190912100317 C001 CS. OFFL, Sirk Poil. 2 20190912100300 20190912100310 C001 CS. OFFL, Sirk Poil. 2 20190912110030 20190912110031 C001 CS. OFFL, Sirk Poil. 2 20190912110030 201909121110031 C001 CS. OFFL, Sirk Poil. 2 201909121110030 201909121110031 C001 CS. OFFL, Sirk Poil. 2 201909121110030 201909121110030 C001 CS. OFFL, Sirk Poil. 2 201909121110030 C0010011110030 C001 CS	CS_OFFL_SIR_FDM_220190512T014933_20190512T020208_C001	Wind Speed	Correction for one or more records
Co. OFFL. SIR. PDM. 2_0190517204520_201905121052246_C001 CS. OFFL. SIR. PDM. 2_0190517204520_201905121052246_C001 CS. OFFL. SIR. PDM. 2_01905121051112_01905121052246_C001 CS. OFFL. SIR. PDM. 2_01905121052266_201905121052246_C001 CS. OFFL. SIR. PDM. 2_01905121052266_201905121052246_C001 CS. OFFL. SIR. PDM. 2_01905121052266_20190512105347_C001 CS. OFFL. SIR. PDM. 2_01905121052266_20190512105347_C001 CS. OFFL. SIR. PDM. 2_01905121052266_201905121053426_C001 CS. OFFL. SIR. PDM. 2_01905121052366_201905121053426_C001 CS. OFFL. SIR. PDM. 2_01905121053532_C001 CS. OFFL. SIR. PDM. 2_01905121063532_C001 CS. OFFL. SIR. PDM. 2_01905121106354_C0190512103332_C001 CS. OFFL. SIR. PDM. 2_01905121106354_C01905121103332_C001 CS. OFFL. SIR. PDM. 2_01905121106354_C01905121103332_C001 CS. OFFL. SIR. PDM. 2_01905121110500_C01905121112334_C001 CS. OFFL. SIR. PDM. 2_01905121110500_C01905121112334_C001 CS. OFFL. SIR. PDM. 2_01905121113036_C001 CS. OFFL. SIR. PDM. 2_0190512113036_C001 CS. OFFL. SIR. PDM. 2_0190512113	CS_OFFL_SIR_FDM_220190512T020740_20190512T021613_C001	Wind Speed	Correction for one or more records
Sc. OFFL, SIR, PDM. 2_01905/17105409_01905/1710408_01906/1710408_01906_0	CS_OFFL_SIR_FDM_220190512T023538_20190512T025109_C001		
Se, OFFL, SIR, FDM 2_20190512T05328_20190512T06224_0001 Se, OFFL, SIR, FDM 2_20190512T05339_20190512T063917_0001 Se, OFFL, SIR, FDM 2_20190512T05339_20190512T06312_0001 Se, OFFL, SIR, FDM 2_20190512T06339_20190512T06312_0001 Se, OFFL, SIR, FDM 2_20190512T06339_20190512T07812_0001 Se, OFFL, SIR, FDM 2_20190512T06340_20190512T06355_0001 Se, OFFL, SIR, FDM 2_20190512T06340_20190512T06355_0001 Se, OFFL, SIR, FDM 2_20190512T06340_20190512T10830_0001 Se, OFFL, SIR, FDM 2_20190512T10630_20190512T11829_0001 Se, OFFL, SIR, FDM 2_20190512T118400_20190512T11840_0001 Se, OFFL, SIR, FDM 2_20190512T118400_20190512T118400_0001 Se, OFFL, SIR, FDM 2_20190512T118400_20190512T118400_0001 Se, OFFL, SIR, FDM 2_20190512T118400_20190512T118400_0001 Se, OFFL, SIR, FDM 2_20190512T118400_20190512T13840_0001 Se, OFFL, SIR, FDM 2_20190512T118400_20190512T13840_0001 Se, OFFL, SIR, FDM 2_20190512T118400_20190512T13840_0001 Se, OFFL, SIR, FDM 2_20190512T138400_2001 Se	CS_OFFL_SIR_FDM_220190512T033407_20190512T040031_C001		
SQ_OFFL_SIR_FDNL_2_201905127162839_20190512705476	CS_OFFL_SIR_FDM_220190512T041514_20190512T043817_C001		
Sea State Base Correction. Allimetric Wind Speed Sea State Base Correction, Allimetric	CS_OFFL_SIR_FDM_220190512T051129_20190512T052249_C001		
Seg. OFFL_SIR_FDM_2_201905127104592_201905127104512_0001 Seg. OFFL_SIR_FDM_2_20190512704592_201905127104512_0001 Seg. OFFL_SIR_FDM_2_201905127104592_201905127104512_0001 Seg. OFFL_SIR_FDM_2_201905127104592_201905127104512_0001 Seg. OFFL_SIR_FDM_2_201905127104592_201905127104592_0001 Seg. OFFL_SIR_FDM_2_201905127104593_201905127104592_0001 Seg. OFFL_SIR_FDM_2_201905127104592_201905127104592_0001 Seg. OFFL_SIR_FDM_2_201905127104592_201905127104592_0001 Seg. OFFL_SIR_FDM_2_201905127104592_0001 Seg. OFFL_SIR_FDM_2_201905127104592_000152710467_0001 Seg. OFFL_SIR_FDM_2_201905127104592_00190512710467_0001 Seg. OFFL_SIR_FDM_2_201905127104592_00190512710467_0001 Seg. OFFL_SIR_FDM_2_201905127104592_00190512710467_0001 Seg. OFFL_SIR_FDM_2_20190512710407_0010012710407_001	CS_OFFL_SIR_FDM_220190512T052826_20190512T053917_C001	Sea State Bias Correction	
Visit Speed Sea State Bias Correction, Allimetric Wind Speed Sea State Bias Correction	CS_OFFL_SIR_FDM_220190512T055339_20190512T061457_C001		
SS_OFFL_SIR_FDM_2_20190512T082401_20190512T083322_001 Sea State Bias Correction, Allmentic Wind Speed and Sea State Bias Correction, Allmentic Wind Speed and Sea State Bias Correction, Allmentic Wind Speed and Sea State Bias Correction, Allmentic Wind Speed	CS_OFFL_SIR_FDM_220190512T063005_20190512T063128_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
Sea State Bias Correction, Altimetric Vind Speed and Sea State Bias Correction, Altimetric Vind Speed Speed State Bias Correction, Altimetric Vind Speed Speed Speed State Bias Correction, Altimetric Vind Speed Speed Speed State Bias Correction, Altimetric Vind Speed	CS_OFFL_SIR_FDM_220190512T064509_20190512T071812_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
Sea State Bias Correction, 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 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 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 Correction for one or more records wind Speed and Sea State Bias Correction for one or more records wind Speed with the 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 Correctio	CS_OFFL_SIR_FDM_220190512T082401_20190512T083332_C001		·
CS_OFFL_SIR_FDM_2_20190512T105500_20190512T112829_20190512T105500_20190512T112829_20190512T105500_20190512T112829_20190512T112839_20190512T112839_20190512T112839_20190512T112839_20190512T112839_20190512T112839_20190512T121543_0001 CS_OFFL_SIR_FDM_2_20190512T1128317_20190512T124637_0001 CS_OFFL_SIR_FDM_2_20190512T132505_00190512T130507_0001 CS_OFFL_SIR_FDM_2_20190512T1320507_00190512T130507_0001 CS_OFFL_SIR_FDM_2_20190512T130507_0001 CS_OFFL_SIR_FDM_2_20190512T130507_0001 CS_OFFL_SIR_FDM_2_20190512T130507_0001 CS_OFFL_SIR_FDM_2_20190512T130507_0001 CS_OFFL_SIR_FDM_2_20190512T130507_0001 CS_OFFL_SIR_FDM_2_20190512T130507_0001 CS_OFFL_SIR_FDM_2_20190512T130507_0001 CS_OFFL_SIR_FDM_2_20190512T130507_0001 CS_OFFL_SIR_FDM_2_20190512T130507_0001 CS_OFFL_SIR_FDM_2_20190512T130507_00100012T1300001 CS_OFFL_SIR_FDM_2_20190512T130507_00100012T1300001 CS_OFFL_SIR_FDM_2_20190512T130507_0010012T13000012T1000001 CS_OFFL_SIR_FDM_2_20190512T130507_0010012T1300001 CS_OFFL_SIR_FDM_2_20190512T130507_0010012T1300001 CS_OFFL_SIR_FDM_2_20190512T13000012T1300001 CS_OFFL_SIR_FDM_2_20190512T13000012T13000012T1300001 CS_OFFL_SIR_FDM_2_20190512T13000012T13000012T1300001 CS_OFFL_SIR_FDM_2_20190512T13000012T13000012T1300001 CS_OFFL_SIR_FDM_2_20190512T13000012T13000012T1300001 CS_OFFL_SIR_FDM_2_20190512T13000012T13000012T1300001 CS_OFFL_SIR_FDM_2_20190512T1300	CS_OFFL_SIR_FDM_220190512T083545_20190512T085755_C001	·	
Sa State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction, Alt	CS_OFFL_SIR_FDM_220190512T100243_20190512T103611_C001		
CS_OFFL_SIR_FDM_2_20190512T115819_20190512T1254S_COUNT Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records Correction for one or more record	CS_OFFL_SIR_FDM_220190512T105500_20190512T112629_C001		
CS_OFFL_SIR_FDM_2_20190512T123317_20190512T124637_C001 CS_OFFL_SIR_FDM_2_20190512T123317_20190512T13012T_C001 CS_OFFL_SIR_FDM_2_20190512T13012T_C001 CS_OFFL_SIR_FDM_2_20190512T13012T_C001 CS_OFFL_SIR_FDM_2_20190512T13012T_C001 CS_OFFL_SIR_FDM_2_20190512T130402_C001 CS_OFFL_SIR_FDM_2_20190512T130402_C001 CS_OFFL_SIR_FDM_2_20190512T130402_C001 CS_OFFL_SIR_FDM_2_20190512T130402_C001 CS_OFFL_SIR_FDM_2_20190512T130402_C001 CS_OFFL_SIR_FDM_2_20190512T130402_C001 CS_OFFL_SIR_FDM_2_20190512T130402_C001 CS_OFFL_SIR_FDM_2_20190512T130402_C001 CS_OFFL_SIR_FDM_2_20190512T142809_D190512T180024_C001 CS_OFFL_SIR_FDM_2_20190512T142300_C001 CS_OFFL_SIR_FDM_2_20190512T142809_D190512T1400024_C001 CS_OFFL_SIR_FDM_2_20190512T142300_C001 CS_OFFL_SIR_FDM_2_20190512T142300_C001 CS_OFFL_SIR_FDM_2_20190512T172741_C0190512T173339_C001 CS_OFFL_SIR_FDM_2_20190512T1740402_C001 CS_OFFL_SIR_FDM_2_20190512T140402_C001 CS_OFFL_SIR_FDM_2_20190512T10540_C0190512T1090	CS_OFFL_SIR_FDM_220190512T114506_20190512T115338_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_2_20190512T124851_20190512T130507_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. CS_OFFL_SIR_FDM_2_20190512T130507_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed. CS_OFFL_SIR_FDM_2_20190512T134018_20190512T133548_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records. CS_OFFL_SIR_FDM_2_20190512T142809_20190512T1343330_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records. CS_OFFL_SIR_FDM_2_20190512T142809_20190512T153313_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records. CS_OFFL_SIR_FDM_2_20190512T164821_20190512T1733319_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records. CS_OFFL_SIR_FDM_2_20190512T164821_20190512T173339_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records. CS_OFFL_SIR_FDM_2_20190512T164821_20190512T173839_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records. CS_OFFL_SIR_FDM_2_20190512T174418_20190512T180024_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records. CS_OFFL_SIR_FDM_2_20190512T194026_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records. CS_OFFL_SIR_FDM_2_20190512T194026_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records. CS_OFFL_SIR_FDM_2_20190512T194026_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records. CS_OFFL_SIR_FDM_2_20190512T204540_20190512T203148_C001 Sea State Bias Cor	CS_OFFL_SIR_FDM_220190512T115819_20190512T121543_C001		·
Correction for one or more records	CS_OFFL_SIR_FDM_220190512T123317_20190512T124637_C001		
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CS_OFFL_SIR_FDM_2_20190512T201540_20190512T203148_C001 Sea State Bias Correction, Altimetric Wind Speed CS_OFFL_SIR_FDM_2_20190512T204637_20190512T210818_C001 CS_OFFL_SIR_FDM_2_20190512T2151_20190512T212243_C001 CS_OFFL_SIR_FDM_2_20190512T2151_20190512T212243_C001 CS_OFFL_SIR_FDM_2_20190512T222606_20190512T225903_C001 CS_OFFL_SIR_FDM_2_20190512T2231435_20190512T231442_C001 CS_OFFL_SIR_FDM_2_20190512T231435_20190512T231442_C001 CS_OFFL_SIR_FDM_2_20190512T231435_20190512T231442_C001 CS_OFFL_SIR_FDM_2_20190512T231435_20190512T231442_C001 CS_OFFL_SIR_FDM_2_20190512T231435_20190512T231442_C001 CS_OFFL_SIR_FDM_2_20190512T231435_20190512T231442_C001 CS_OFFL_SIR_FDM_2_30190512T231435_20190512T231442_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 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 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	CS_OFFL_SIR_FDM_220190512T195400_20190512T195451_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_2_20190512T204637_20190512T210818_C001 Sea State Bias Correction, Altimetric Wind Speed CS_OFFL_SIR_FDM_2_20190512T212151_20190512T212243_C001 CS_OFFL_SIR_FDM_2_20190512T222606_20190512T225903_C001 CS_OFFL_SIR_FDM_2_20190512T222606_20190512T225903_C001 CS_OFFL_SIR_FDM_2_20190512T2231435_20190512T2231442_C001 CS_OFFL_SIR_FDM_2_20190512T231435_20190512T231442_C001 CS_OFFL_SIR_FDM_2_20190512T231435_20190512T231442_C001 Sea State Bias Correction, Altimetric Wind Speed or more records Sea State Bias Correction, Altimetric Wind Speed 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 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 er	CS_OFFL_SIR_FDM_220190512T201540_20190512T203148_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_2_20190512T212151_20190512T212243_C001 Sea State Bias Correction, Altimetric Wind Speed CS_OFFL_SIR_FDM_2_20190512T222606_20190512T225903_C001 CS_OFFL_SIR_FDM_2_20190512T231435_20190512T231442_C001 Sea State Bias Correction, Altimetric Wind Speed 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 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	CS_OFFL_SIR_FDM_220190512T204637_20190512T210818_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_2_20190512T222606_20190512T225903_C001 Sea State Bias Correction, Altimetric Wind Speed CS_OFFL_SIR_FDM_2_20190512T231435_20190512T231442_C001 Sea State Bias Correction, Altimetric Wind Speed 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 S	CS_OFFL_SIR_FDM_220190512T212151_20190512T212243_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_2_20190512T231435_20190512T231442_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records 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, Altimetric 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 Correction, Altimetric 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 Correction, Altimetric 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 Correction, Altimetric 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 Correction, Altimetric 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 Correction, Altimetric 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 Correction, Altimetric 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 Correction, Altimetric 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 Correction, Altimetric There is an error with the Altimetric	CS_OFFL_SIR_FDM_220190512T222606_20190512T225903_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OEEL_SIR_EDM_2_20190512T23225_20190512T234640_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias	CS_OFFL_SIR_FDM_220190512T231435_20190512T231442_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
	CS_OFFL_SIR_FDM_220190512T232225_20190512T234640_C001	•	

6.5 L2 FDM Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220190512T044310_20190512T044859_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220190512T080339_20190512T080407_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220190512T112754_20190512T112800_C001	Attitude correction missing	The attitude has not been corrected

6.6 L2 FDM Range Measurement Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220190512T005601_20190512T011119_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_220190512T011320_20190512T012243_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_220190512T014933_20190512T020208_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_220190512T020740_20190512T021613_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_220190512T023538_20190512T025109_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_220190512T033407_20190512T040031_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_220190512T041514_20190512T043817_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_220190512T055339_20190512T061457_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_220190512T064509_20190512T071812_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_220190512T082401_20190512T083332_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_220190512T105500_20190512T112629_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_220190512T114506_20190512T115338_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_220190512T115819_20190512T121543_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_220190512T123317_20190512T124637_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_220190512T124851_20190512T130127_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_220190512T132816_20190512T133548_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_220190512T134018_20190512T135430_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_220190512T142809_20190512T143230_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_220190512T164821_20190512T171322_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_220190512T174418_20190512T180024_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_220190512T182338_20190512T184355_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_220190512T190702_20190512T194026_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_220190512T204637_20190512T210818_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_220190512T212151_20190512T212243_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_220190512T222606_20190512T225903_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: 25

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220190512T005601_20190512T0111119_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_20190512T011320_20190512T012243_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_220190512T014933_20190512T020208_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_20190512T020740_20190512T021613_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_220190512T023538_20190512T025109_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_220190512T033407_20190512T040031_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_220190512T041514_20190512T043817_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_220190512T055339_20190512T061457_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_220190512T064509_20190512T071812_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_220190512T082401_20190512T083332_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_220190512T105500_20190512T112629_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_220190512T114506_20190512T115338_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_220190512T115819_20190512T121543_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_220190512T123317_20190512T124637_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_220190512T124851_20190512T130127_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_220190512T132816_20190512T133548_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_220190512T134018_20190512T135430_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_220190512T142809_20190512T143230_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_220190512T164821_20190512T171322_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_220190512T174418_20190512T180024_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_220190512T182338_20190512T184355_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_220190512T190702_20190512T194026_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_220190512T204637_20190512T210818_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_220190512T212151_20190512T212243_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_220190512T222606_20190512T225903_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.

6.8 L2 FDM Ocean Retracking Quality Check

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

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220190512T002508_20190512T003926_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_220190512T005601_20190512T011119_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_220190512T011320_20190512T012243_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_220190512T014933_20190512T020208_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_220190512T020740_20190512T021613_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_220190512T023538_20190512T025109_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_220190512T025645_20190512T030001_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_220190512T033407_20190512T040031_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_220190512T041514_20190512T043817_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_220190512T051129_20190512T052249_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_220190512T055339_20190512T061457_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_220190512T064509_20190512T071812_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_220190512T082401_20190512T083332_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_220190512T083545_20190512T085755_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_220190512T091206_20190512T093052_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_220190512T100243_20190512T103611_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_220190512T105500_20190512T112629_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_220190512T114305_20190512T114353_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_220190512T114506_20190512T115338_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_220190512T115819_20190512T121543_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_220190512T123317_20190512T124637_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_220190512T124851_20190512T130127_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_220190512T132816_20190512T133548_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_220190512T134018_20190512T135430_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_220190512T141703_20190512T142305_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_220190512T142809_20190512T143230_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_220190512T151223_20190512T153313_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_220190512T164821_20190512T171322_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_220190512T174418_20190512T180024_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_220190512T182338_20190512T184355_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_220190512T190702_20190512T194026_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_220190512T204637_20190512T210818_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_220190512T211104_20190512T212034_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_220190512T212151_20190512T212243_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_220190512T222606_20190512T225903_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_220190512T232225_20190512T234640_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_	155	155	155	0	0
SIR1SAR_0_	113	113	113	0	0
SIR1SIN_0_	108	108	108	0	0
SIR2SIN_0_	114	114	114	0	0
SIR_FDM_1B	155	155	155	0	0
SIR FDM 2	153	153	153	0	0

7.1 QCC Errors

Number of QCC reports with errors:

0

7.2 QCC Warnings

Number of QCC reports with warnings

0

7.3 Missing QCC Reports

Number of products with missing QCC reports:

0