



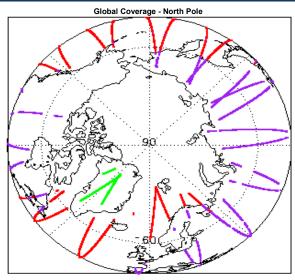
1. Overview

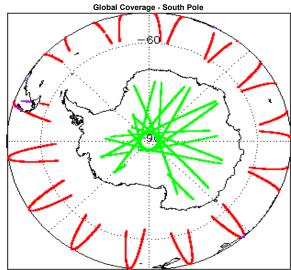
Report Production Date:	10-Jun-2019
Processor Used:	CryoSat Ice Processor
Data Used:	L1 and L2 Fast Delivery Marine (FDM)

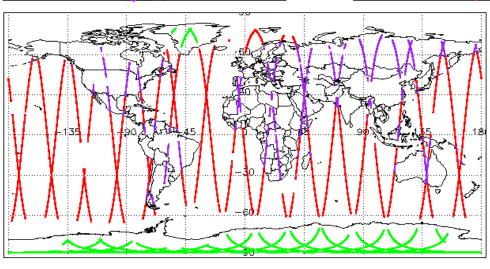
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2, 5.2 and 6.2
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check	Nominal
Auxiliary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

M	Mission / Instrument News		
	07-Jun-2019	None	
	08-Jun-2019	None	
	09-Jun-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_020190608T165305_20190608T165442_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020190608T103100_20190608T103541_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_0_20190608T024910_20190608T025140_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.

5. Level 1B FDM Data Quality Check

5.1 L1B FDM Product Format Check

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

Number of products with errors:

5.2 L1B FDM Product Header Analysis

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

Number of products with errors:

Product	Test Failed
CS_OFFL_SIR_FDM_1B_20190608T064131_20190608T064234_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20190608T064059_20190608T064131_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20190608T100518_20190608T100809_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).

5.3 L1B FDM Star Tracker Usage Check

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

Number of products with errors:

Product	Test Failed
CS_OFFL_SIR_FDM_1B_20190608T064059_20190608T064131_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_20190608T061841_20190608T062742_C001	Block degraded, Echo error, TRK echo error	Data block degraded and not processed
CS_OFFL_SIR_FDM_1B_20190608T064059_20190608T064131_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:

Product	Test Failed
CS_OFFL_SIR_FDM_220190608T100518_20190608T100809_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220190608T064059_20190608T064131_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220190608T064131_20190608T064234_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.

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

Dec. OFFL. SRL FEM. 2 2011000011000010001001001001001001001001	Product	Test Failed	Description
See Sine Blac Correction, Alleretic 20. GFT_SRI_FOM_2_011000081101180_011000087102181_COID 30. GFT_SRI_FOM_2_011000081101180_01100087102180_COID 30. GFT_SRI_FOM_2_011000081103181_011000087102181_COID 30. GFT_SRI_FOM_2_011000081103181_011000087102181_COID 30. GFT_SRI_FOM_2_011000081103181_011000087102014_COID 30. GFT_SRI_FOM_2_011000081103181_011000087100084_COID 30. GFT_SRI_FOM_2_011000081103181_011000087100084_COID 30. GFT_SRI_FOM_2_011000081103181_011000087100084_COID 30. GFT_SRI_FOM_2_011000081103181_011000087100084_COID 30. GFT_SRI_FOM_2_011000081100182_011000087100087_COID 30. GFT_SRI_FOM_2_011000081100182_011000087100007_COID 30. GFT_SRI_FOM_2_011000081100087_COID 30. GFT_SR		Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
Co.PFL_SIR_FDM_2_01000001102011_0010001102012_0010001102012_0010001102012_0010001102011_0010001102012_0010001102012_0010001102012_001000001102012_00100001102012_00100001102012_00100001102012_00100001102012_00100001102012_00100001102012_00100001102012_00100001102012_00100001102012_00100001102012_00100001102012_00100001102012_00100001102012_00100001102012_00100001102012_00100001102012_001000001102012_00100001102012_00100001102012_00100001102012_00100001102012_00100001102012_00100001102012_00100001102012_00100001102012_00100001102012_00100001102012_00100001102012_00100001102012_00100001102012_00100001102012_00100001102012_00100001102012_001000001102012_00100001102012_00100001102012_00100001102012_00100001102012_00100001102012_00100001102012_00100001102012_00100001102012_00100001102012_00100001102012_00100001102012_00100001102012_00100001102012_00100001102012_00100001102012_00100001102012_001000001102012_00100001102012_00100001102012_00100001102012_001000001102012_001000001102012_001000001102012_001000001102012_001000001102012_0010000001102012_00100000000			
See Share lates Certeschen Go. GPFL_SIR_FDM_2_201000001102311_201000001102372_0001 Go. GPFL_SIR_FDM_2_201000001102311_201000001102372_0001 Go. GPFL_SIR_FDM_2_201000001102314_201000001102031_20100001102031_20100001102031_20100001102031_20100001102031_201000001102031_201000001102031_20100001102031_20100001102031_20100001102031_201000001102031_201000001102031_201000001102031_201000001102031_201000001102031_201000001102031_201000001102031_201000001102031_201000001102031_2010000001102031_2010000001102031_2010000000000	CS_OFFL_SIR_FDM_2201906081004510_201906081005314_C001	Wind Speed	
So, OFFL, SIR, FDM, 2, 201090081703917, 291090081703920, 201090081703917, 291090081703920, 201090081703920,	CS_OFFL_SIR_FDM_220190608T011309_20190608T012818_C001	Sea State Bias Correction	
Nord Speed OFFL, SIR, FDM. 2. 201900081102332, 201900081103046, COID OFFL, SIR, FDM. 2. 201900081103048, 201900081103046, COID OFFL, SIR, FDM. 2. 201900081103049, 201900081103046, COID OFFL, SIR, FDM. 2. 201900081103049, 201900081103046, COID OFFL, SIR, FDM. 2. 201900081103049, 201900081103046, COID OFFL, SIR, FDM. 2. 201900081110449, 201900081112401, COID OFFL, SIR, FDM. 2. 201900081111044, 201900081112306, COID OFFL, SIR, FDM. 2. 201900081111049, 201900811112306, COID OFFL, SIR, FDM. 2. 2019000811123106, COID OFFL, SIR, FDM. 2. 2019000811123106, COID O	CS_OFFL_SIR_FDM_220190608T021114_20190608T023737_C001	Wind Speed	Correction for one or more records
Sea Siske Bias Correction. Althreship Co. GFFL_Sisk FDM.2_2010000817050142_010000817050545_0011 Sea Siske Bias Correction for one or more records Sea Siske Bias Correction. Althreship Wind Speed GPFL_Sisk FDM.2_2010000817050034_010000817050545_0010 Sea Siske Bias Correction. Althreship Wind Speed GPFL_Sisk FDM.2_2010000817050034_010000817050545_0010 Sea Siske Bias Correction. Althreship Wind Speed GPFL_Sisk FDM.2_2010000817050034_010000817050540_0010 Sea Siske Bias Correction. Althreship Wind Speed GPFL_Sisk FDM.2_2010000817050034_010000817050540_0010 Sea Siske Bias Correction. Althreship Wind Speed GPFL_Sisk FDM.2_2010000817050034_01000081705050_0010 Sea Siske Bias Correction. Althreship Wind Speed GPFL_Sisk FDM.2_2010000817050034_01000081705050_0010 Sea Siske Bias Correction. Althreship Wind Speed GPFL_Sisk FDM.2_2010000817050034_01000081705050_0010 Sea Siske Bias Correction. Althreship Wind Speed GPFL_Sisk FDM.2_2010000817050034_01000081705050_0010 Sea Siske Bias Correction. Althreship Wind Speed GPFL_Sisk FDM.2_2010000817050034_01000081705050_0010 Sea Siske Bias Correction. Althreship Wind Speed GPFL_Sisk FDM.2_2010000817050034_01000081705050_0010 Sea Siske Bias Correction. Althreship Wind Speed GPFL_Sisk FDM.2_201000081705034_01000081705050_0010 Sea Siske Bias Correction. Althreship Wind Speed GPFL_Sisk FDM.2_201000081705034_01000081705050_0010 Sea Siske Bias Correction. Althreship Wind Speed GPFL_Sisk FDM.2_2010000817105054_00100081705050_0010 Sea Siske Bias Correction. Althreship Wind Speed GPFL_Sisk FDM.2_2010000817105054_00100081705050_0010 Sea Siske Bias Correction. Althreship Wind Speed GPFL_Sisk FDM.2_2010000817105054_00100081705050_0010 Sea Siske Bias Correction. Althreship Wind Speed GPFL_Sisk FDM.2_2010000817105054_00100081705050_0010 Sea Siske Bias Correction. Althreship Wind Speed GPFL_Sisk FDM.2_2010000817105054_00100081705050_00100081705050_00100081705050_00100081705050_00100081705050_00100081705050_00100081705050_00100081705050_00100081705	CS_OFFL_SIR_FDM_220190608T025311_20190608T031659_C001		
See State Bas Correction, Allmeistry (See OFFL, SIR PDM. 2_019000817011092 2019000817015000 201000 (See OFFL, SIR PDM. 2_019000817011092 2019000817015000 20100081701500 20100081701500 201000081701500 20100081701500 20100081701500 20100081701500 20100081701500 20100081701500 20100081701500 20100081701500 2010008170150 20100081701500	CS_OFFL_SIR_FDM_220190608T035017_20190608T040011_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed C2_OFFL_SR_FDM_2_20190008T109232_20190008T065502_C001 Wind Speed State Blas Correction, Althretic Wind Speed and Sea State Blas Correction, Althretic Wind Speed State Blas Correction, Alt	CS_OFFL_SIR_FDM_220190608T043146_20190608T050254_C001	Sea State Bias Correction	
Vind Speed Completion Fig. No. 2 201900801101002 201900801101010 2001 CS. OFFL, SR. FDM. 2 20190080101010463 20190080100417 2001 CS. OFFL, SR. FDM. 2 201900801010100 20190080100417 2001 CS. OFFL, SR. FDM. 2 20190080100300 20190080100410 2001 CS. OFFL, SR. FDM. 2 20190080110100 2001 CS. OFFL, SR. FDM. 2 20190080110000 2001 CS. OFFL, SR. FDM. 2 20190080110	CS_OFFL_SIR_FDM_220190608T050328_20190608T050845_C001		·
Sea State Basa Correction, Allimetric Wind Speed CS_OFFL_SIR_FDM_2_20190008T094082_01100008T094096_001 Sea State Basa Correction, Allimetric Wind Speed CS_OFFL_SIR_FDM_2_20190008T095096_01100008T094096_001 Sea State Basa Correction, Allimetric Wind Speed CS_OFFL_SIR_FDM_2_20190008T101000_001 Sea State Basa Correction, Allimetric Wind Speed CS_OFFL_SIR_FDM_2_20190008T101000_001 Sea State Basa Correction, Allimetric Wind Speed CS_OFFL_SIR_FDM_2_20190008T101000_0010000000000000000000000000	CS_OFFL_SIR_FDM_220190608T052235_20190608T055502_C001		
So, OFFL_SIR_FDM_2_20190081707308_201908081707304_C001 Wind Speed See Slate Blas Correction, Allimetric Wind Speed and See Slate Blas Correction or one or more records Correction for one or more records There is an error with the Allimetric Wind Speed and See Slate Blas Correction, Allimetric Wind Speed Slate Blas Correction For one or more records Correct	CS_OFFL_SIR_FDM_220190608T061058_20190608T061541_C001	Sea State Bias Correction	
Soc. Compt. Sir. FDM 2 20190081170904 201900811009081 201008 201900811009081 20100811009081 201900811009081 201900811009081 201900811009081 201900811009081 201900811009081 201900811009081 201900811009081 201900811009081 201900811009081 201900811009081 201900811009081 201900811009081 201900811009081 201900811009081 201900811009081 201900811009081 201900811009081 201900811009081 2019008111009081 201900811009081 20190	CS_OFFL_SIR_FDM_220190608T064638_20190608T064926_C001	Wind Speed	Correction for one or more records
Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed will be stated by the Speed will be stated by	CS_OFFL_SIR_FDM_220190608T071308_20190608T073458_C001		Correction for one or more records
So FFL_SIR_FDM_2_20190008T109052_0190008T109046_0001 So FFL_SIR_FDM_2_20190008T109052_0190008T109057_0001 So FFL_SIR_FDM_2_20190008T11048_20190008T11200_0001 So FFL_SIR_FDM_2_20190008T11048_20190008T11200_0001 So FFL_SIR_FDM_2_20190008T11048_20190008T11200_0001 So FFL_SIR_FDM_2_20190008T11048_20190008T11200_0001 So FFL_SIR_FDM_2_20190008T11049_20190008T11200_0001 So FFL_SIR_FDM_2_20190008T110008_20190008T11200_0001 So FFL_SIR_FDM_2_20190008T110008_20190008T11200_0001 So FFL_SIR_FDM_2_20190008T110008T11200_0001 So FFL_SIR_FDM_2_20190008T1100088_20190008T1200008T100008T100008T100008T100008T100008T100008T100008T100008T1000008T100008T100008T100008T100008T100008T100008T100008T100008T1000008T100008T100008T100008T100008T100008T100008T100008T100008T1000008T100008T100008T100008T100008T100008T100008T100008T100008T1000008T100008T100008T100008T100008T100008T100008T100008T100008T1000008T100008T100008T100008T100008T100008T100008T100008T100008T1000008T100008T100008T100008T100008T100008T100008T100008T100008T1000008T100008T100008T100008T100008T100008T100008T100008T100008T1000008T100008T100008T100008T100008T100008T100008T100008T100008T1000008T100008T100008T100008T100008T100008T100008T100008T100008T1000008T100008T100008T100008T100008T100008T1000008T100008T100008T1000008T100008T100008T100008T100008T100008T100008T100008T100008T10000008T1000008T1000008T100000000	CS_OFFL_SIR_FDM_220190608T075046_20190608T080817_C001		records
CS_OFFL_SIR_FDM_2_20190008T101625_20190008T103100_CO1 Sas Stats Bias Correction, Altimetric Wind Speed and Sas State Bias Correction, Altimetric Wind Speed	CS_OFFL_SIR_FDM_220190608T083906_20190608T091318_C001		·
CS_OFFL_SIR_FDM_2_20190008T1103203_20190008T112401_CO01 Ses State Bias Correction, Altimetric Wind Speed and Ses State Bias Correction for one or more records The control of the contro	CS_OFFL_SIR_FDM_220190608T093226_20190608T100348_C001		
CS_OFFL_SIR_FDM_2_0190608T111048_20190608T11240C001 Sea State Bias Correction, Allimetric Wind Speed Sea State Bias Correction, Allimetric Wind Speed and Sea State Bias Correction, Allimetric Wind Speed Sea State Bias Correction, Allimetric Wind Speed and Sea State Bias Correction, Allimetric Wind Speed Sea State Bias Correction, Allimetric Wind Speed and Sea State Bias Correction, Allimetric Wind Speed Sea State Bias Correction, Allimetric Wind Speed and Sea State Bias Correction, Allimetric Wind Speed and Sea State Bias Correction, Allimetric Wind Speed Sea State Bias Correction, Allimetric Wind Speed and Sea State Bias Correction, Allimetric Wind Speed Sea State Bias Correction, Allimetric Wind Speed and Sea State Bias Correction, Allimetric Wind Speed Sea State Bias Correction, Allimetric Wind Speed and Sea State Bias Correction, Allimetric Wind Speed Sea State Bias Correction, Allimetric Wind Speed and Sea State Bias Correction, Allimetric Wind Speed Sea State Bias Correction, Allimetric Wind Speed and Sea State Bias Correction, Allimetric Wind Speed Sea State Bias Correction, Allimetric Wind Speed and Sea State Bias Correction, Allimetric Wind Speed Sea State Bias Correction, Allimetric Wind Speed and Sea State Bias Correction, Allimetric Wind Speed Sea State Bias Correction, Allimetric Wind Speed and Sea State Bias Correction, Allimetric Wind Speed Sea State Bias Correction, Allimetric Wind Speed and Sea State Bias Correction, Allimetric Wind Speed Sea State Bias Correction, Allimetric Wind Speed and Sea State Bias Correction, Allimetric Wind Speed Sea State Bias Correction, Allimetric Wind Speed and Sea State Bias Correction, For one or more records There is an error with the Allimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Allimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Allimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Alli	CS_OFFL_SIR_FDM_220190608T101625_20190608T103100_C001		
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Wind Speed CS_OFFL_SIR_FDM_2_20190608T114048_20190608T11425_CO01 Sea State Blas Correction, Allimetric Wind Speed CS_OFFL_SIR_FDM_2_20190608T120537_20190608T121601_CO01 Sea State Blas Correction, Allimetric Wind Speed CS_OFFL_SIR_FDM_2_20190608T121741_20190608T12184_CO01 Sea State Blas Correction, Allimetric Wind Speed CS_OFFL_SIR_FDM_2_20190608T130555_20190608T14052_CO01 Sea State Blas Correction, Allimetric Wind Speed CS_OFFL_SIR_FDM_2_20190608T142546_20190608T145244_CO01 Sea State Blas Correction, Allimetric Wind Speed CS_OFFL_SIR_FDM_2_20190608T14254_20190608T150500_CO01 Sea State Blas Correction, Allimetric Wind Speed CS_OFFL_SIR_FDM_2_20190608T170153_20190608T171237_CO01 Sea State Blas Correction, Allimetric Wind Speed CS_OFFL_SIR_FDM_2_20190608T170153_20190608T171237_CO01 Sea State Blas Correction, Allimetric Wind Speed CS_OFFL_SIR_FDM_2_20190608T174507_20190608T1792415_20190608T198452_CO01 Sea State Blas Correction, Allimetric Wind Speed CS_OFFL_SIR_FDM_2_20190608T198452_CO190608T198452_CO01 Sea State Blas Correction, Allimetric Wind Speed CS_OFFL_SIR_FDM_2_20190608T198452_CO19	CS_OFFL_SIR_FDM_220190608T111048_20190608T112401_C001		
Wind Speed Spee	CS_OFFL_SIR_FDM_220190608T112615_20190608T113940_C001		
CS_OFFL_SIR_FDM_2_20190608T121541_20190608T123146_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, Altimetric Wind Speed speed speed and Sea State Bias Correction, Altimetric Wind Speed speed speed and Sea State Bias Correction, Altimetric Wind Speed speed speed and Sea State Bias Correction, Altimetric Wind Speed speed speed and Sea State Bias Correction, Altimetric Wind Speed speed speed and Sea State Bias Correction, Altimetric Wind Speed speed speed speed and Sea State Bias Correction, Altimetric Wind Speed	CS_OFFL_SIR_FDM_220190608T114048_20190608T114250_C001		
CS_OFFL_SIR_FDM_2_20190608T130953_C001 Sas 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 CS_OFFL_SIR_FDM_2_20190608T152541_20190608T15379_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records CS_OFFL_SIR_FDM_2_20190608T19457_20190608T172137_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 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 Bi	CS_OFFL_SIR_FDM_220190608T120537_20190608T121601_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
Correction for one or more records	CS_OFFL_SIR_FDM_220190608T121741_20190608T123146_C001		
CS_OFFL_SIR_FDM_2_20190608T131102_C001 Wind Speed CS_OFFL_SIR_FDM_2_20190608T142546_20190608T145344_C001 CS_OFFL_SIR_FDM_2_20190608T142546_20190608T145344_C001 CS_OFFL_SIR_FDM_2_20190608T152541_20190608T155000_C001 CS_OFFL_SIR_FDM_2_20190608T162142_20190608T163739_C001 CS_OFFL_SIR_FDM_2_20190608T162142_20190608T193739_C001 CS_OFFL_SIR_FDM_2_20190608T162142_20190608T193739_C001 CS_OFFL_SIR_FDM_2_20190608T162142_20190608T193739_C001 CS_OFFL_SIR_FDM_2_20190608T162142_20190608T193739_C001 CS_OFFL_SIR_FDM_2_20190608T162142_20190608T193739_C001 CS_OFFL_SIR_FDM_2_20190608T193500_C001 CS_OFFL_SIR_FDM_2_20190608T193500_C001 CS_OFFL_SIR_FDM_2_20190608T193500_C001 CS_OFFL_SIR_FDM_2_20190608T193500_C001 CS_OFFL_SIR_FDM_2_20190608T192415_20190608T19550_C001 CS_OFFL_SIR_FDM_2_20190608T194827_20190608T19550_C001 CS_OFFL_SIR_FDM_2_20190608T194827_20190608T19550_C001 CS_OFFL_SIR_FDM_2_20190608T20332_20190608T203432_C001 CS_OFFL_SIR_FDM_2_20190608T20332_20190608T203432_C001 CS_OFFL_SIR_FDM_2_20190608T20332_20190608T203432_C001 CS_OFFL_SIR_FDM_2_20190608T20342_20190608T203432_C001 CS_OFFL_SIR_FDM_2_20190608T203432_00190608T203432_00190608T203432_C001 CS_OFFL_SIR_FDM_2_20190608T203432_0190608T203432_C001 CS_OFFL_SIR_FDM_2_20190608T203432_0190608T203432_C001 CS_OFFL_SIR_FDM_2_20190608T203432_0190608T203432_C001 CS_OFFL_SIR_FDM_2_20190608T203432_0190608T203432_C001 CS_OFFL_SIR_FDM_2_20190608T203432_0190608T204649_C001 CS_OFFL_SIR_FDM_2_20190608T203432_0190608T203432_C001 CS_OFFL_SIR_FDM_2_20190608T203432_0190608T203432_C001 CS_OFFL_SIR_FDM_2_20190608T203432_0190608T203432_C001 CS_OFFL_SIR_FDM_2_20190608T203432_0190608T203432_C001 CS_OFFL_SIR_FDM_2_20190608T203432_0190608T203432_C001 CS_OFFL_SIR_FDM_2_20190608T203432_0190608T204649_C001 CS_OFFL_SIR_FDM_2_20190608T203432_0190608T204649_C001 CS_OFFL_SIR_FDM_2_20190608T203432_0190608T204649_C001 CS_OFFL_SIR_FDM_2_20190608T203432_0190608T204649_C001 CS_OFFL_SIR_FDM_2_20190608T203432_0190608T204050000000000000000000000000000000000	CS_OFFL_SIR_FDM_220190608T130558_20190608T130953_C001	Wind Speed	Correction for one or more records
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CS_OFFL_SIR_FDM_2_20190608T185256_20190608T190813_C001 CS_OFFL_SIR_FDM_2_20190608T185256_20190608T190813_C001 CS_OFFL_SIR_FDM_2_20190608T192415_20190608T194542_C001 CS_OFFL_SIR_FDM_2_20190608T194827_20190608T195850_C001 CS_OFFL_SIR_FDM_2_20190608T203822_20190608T203432_C001 CS_OFFL_SIR_FDM_2_20190608T203822_20190608T203432_C001 CS_OFFL_SIR_FDM_2_20190608T203822_20190608T204649_C001 CS_OFFL_SIR_FDM_2_20190608T203822_20190608T204649_C001 CS_OFFL_SIR_FDM_2_20190608T203432_C001 CS_OFFL_SIR_FDM_2_20190608T203432_C001 CS_OFFL_SIR_FDM_2_20190608T203432_C001 CS_OFFL_SIR_FDM_2_20190608T203432_C001 CS_OFFL_SIR_FDM_2_20190608T203620_20190608T204649_C001 CS_OFFL_SIR_FDM_2_20190608T210348_20190608T214003_C001 CS_OFFL_SIR_FDM_2_20190608T21948_20190608T222405_C001 CS_OFFL_SIR_FDM_2_20190608T215948_20190608T222405_C001 CS_OFFL_SIR_FDM_2_20190608T224301_20190608T231109_C001 CS_OFFL_SIR_FDM_2_20190608T2233252_20190608T233480_C001 CS_OFFL_SIR_FDM_2_20190608T233352_20190608T233480_C001 CS_OFFL_SIR_FDM_2_20190608T233352_2019	CS_OFFL_SIR_FDM_220190608T170153_20190608T172137_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_2_20190608T192415_20190608T194542_C001 CS_OFFL_SIR_FDM_2_20190608T194827_20190608T195850_C001 CS_OFFL_SIR_FDM_2_20190608T202832_20190608T203432_C001 CS_OFFL_SIR_FDM_2_20190608T202832_20190608T203432_C001 CS_OFFL_SIR_FDM_2_20190608T203620_20190608T204649_C001 CS_OFFL_SIR_FDM_2_20190608T210348_20190608T214003_C001 CS_OFFL_SIR_FDM_2_20190608T215948_20190608T22405_C001 CS_OFFL_SIR_FDM_2_20190608T224301_20190608T223400_C001 CS_OFFL_SIR_FDM_2_20190608T224301_20190608T2234840_C001 CS_OFFL_SIR_FDM_2_20190608T224301_20190608T231109_C001 CS_OFFL_SIR_FDM_2_20190608T223352_20190608T2318840_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 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 Correctio	CS_OFFL_SIR_FDM_220190608T174507_20190608T181752_C001		There is an error with the Sea State Bias Correction for one or more
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CS_OFFL_SIR_FDM_2_20190608T202832_20190608T203432_C001 Wind Speed CS_OFFL_SIR_FDM_2_20190608T202832_20190608T203432_C001 CS_OFFL_SIR_FDM_2_20190608T203620_20190608T204649_C001 CS_OFFL_SIR_FDM_2_20190608T210348_20190608T214003_C001 CS_OFFL_SIR_FDM_2_20190608T215948_20190608T22405_C001 CS_OFFL_SIR_FDM_2_20190608T215948_20190608T222405_C001 CS_OFFL_SIR_FDM_2_20190608T223305_20190608T231109_C001 CS_OFFL_SIR_FDM_2_20190608T223305_20190608T2314840_C001 Wind Speed Correction, 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 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 Correcti	CS_OFFL_SIR_FDM_220190608T192415_20190608T194542_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_2_20190608T203620_20190608T204649_C001 CS_OFFL_SIR_FDM_2_20190608T210348_20190608T214003_C001 CS_OFFL_SIR_FDM_2_20190608T215948_20190608T22405_C001 CS_OFFL_SIR_FDM_2_20190608T215948_20190608T222405_C001 CS_OFFL_SIR_FDM_2_20190608T224301_20190608T231109_C001 CS_OFFL_SIR_FDM_2_20190608T224301_20190608T231109_C001 CS_OFFL_SIR_FDM_2_20190608T224301_20190608T2314840_C001 Wind Speed Correction, Altimetric Wind He Altimetric Wind Speed and 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 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 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	CS_OFFL_SIR_FDM_220190608T194827_20190608T195850_C001	Wind Speed	· ·
CS_OFFL_SIR_FDM_2_20190608T210348_20190608T214003_C001 Wind Speed CS_OFFL_SIR_FDM_2_20190608T210348_20190608T214003_C001 CS_OFFL_SIR_FDM_2_20190608T215948_20190608T222405_C001 CS_OFFL_SIR_FDM_2_20190608T224301_20190608T223109_C001 CS_OFFL_SIR_FDM_2_20190608T224301_20190608T231109_C001 CS_OFFL_SIR_FDM_2_20190608T224301_20190608T231109_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records CS_OFFL_SIR_FDM_2_20190608T224301_20190608T231109_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20190608T233352_20190608T2314840_C001 Sea State Bias Correction, Altimetric 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	CS_OFFL_SIR_FDM_220190608T202832_20190608T203432_C001		·
Wind Speed Correction for one or more records CS_OFFL_SIR_FDM_2_20190608T215948_20190608T222405_C001 CS_OFFL_SIR_FDM_2_20190608T224301_20190608T222405 C001 CS_OFFL_SIR_FDM_2_20190608T224301_20190608T231109_C001 CS_OFFL_SIR_FDM_2_20190608T224301_20190608T231109_C001 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, Altimetric Wind Speed Sp	CS_OFFL_SIR_FDM_220190608T203620_20190608T204649_C001	Wind Speed	Correction for one or more records
Wind Speed Correction for one or more records CS_OFFL_SIR_FDM_2_20190608T224301_20190608T231109_C001 Wind Speed Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed sea State Bias C	CS_OFFL_SIR_FDM_220190608T210348_20190608T214003_C001	Wind Speed	Correction for one or more records
Wind Speed Correction, Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_201906081224301_201906081231109_C001 Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias	CS_OFFL_SIR_FDM_220190608T215948_20190608T222405_C001	Wind Speed	Correction for one or more records
	CS_OFFL_SIR_FDM_220190608T224301_20190608T231109_C001	Wind Speed	Correction for one or more records
	CS_OFFL_SIR_FDM_220190608T233252_20190608T234840_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_220190608T061841_20190608T062742_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220190608T064059_20190608T064131_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: 29 Product Test Failed Description The master fail flag is set by the CFI call, for one or more records CS_OFFL_SIR_FDM_2__20190608T002650_20190608T003930_C001 indicating the values stored in fields #13, #14, #15 and #16 should be CFI Retracked Range Flag ignored for these records. The master fail flag is set by the CFI call, for one or more records. CS_OFFL_SIR_FDM_2__20190608T004510_20190608T005314_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records The master fail flag is set by the CFI call, for one or more records CS_OFFL_SIR_FDM_2__20190608T021114_20190608T023737_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, CS OFFL SIR FDM 2 20190608T025311 20190608T031659 C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records CS OFFL SIR FDM 2 20190608T035017 20190608T040011 C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records CS OFFL SIR FDM 2 20190608T050328 20190608T050845 C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records CS_OFFL_SIR_FDM_2__20190608T052235_20190608T055502_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records CS_OFFL_SIR_FDM_2__20190608T071308_20190608T073458_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records CS_OFFL_SIR_FDM_2__20190608T083906_20190608T091318_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records CS_OFFL_SIR_FDM_2__20190608T101625_20190608T103100_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, CS OFFL SIR FDM 2 20190608T103703 20190608T105257 C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. 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 CS_OFFL_SIR_FDM_2__20190608T111048_20190608T112401_C001 CFI Retracked Range Flag ignored for these records. The master fail flag is set by the CFI call, for one or more records CS OFFL SIR FDM 2 20190608T112615 20190608T113940 C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records CS_OFFL_SIR_FDM_2__20190608T114048_20190608T114250_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records CFI Retracked Range Flag CS_OFFL_SIR_FDM_2__20190608T120537_20190608T121601_C001 indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, CS_OFFL_SIR_FDM_2__20190608T121741_20190608T123146_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ianored for these records. 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 CS OFFL SIR FDM 2 20190608T130558 20190608T130953 C001 CFI Retracked Range Flag ignored for these records. 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 CS OFFL SIR FDM 2 20190608T131116 20190608T131825 C001 CFI Retracked Range Flag ignored for these records. 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 CS_OFFL_SIR_FDM_2__20190608T135002_20190608T141022_C001 CFI Retracked Range Flag ignored for these records. The master fail flag is set by the CFI call, for one or more records CS OFFL SIR FDM 2 20190608T142546 20190608T145344 C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records CS OFFL SIR FDM 2 20190608T152541 20190608T155000 C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records CS OFFL SIR FDM 2 20190608T162142 20190608T163739 C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records CS OFFL SIR FDM 2 20190608T170153 20190608T172137 C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, CS_OFFL_SIR_FDM_2__20190608T194827_20190608T195850_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records CS_OFFL_SIR_FDM_2__20190608T202832_20190608T203432_C001 indicating the values stored in fields #13, #14, #15 and #16 should be CFI Retracked Range Flag ignored for these records The master fail flag is set by the CFI call, for one or more records CS_OFFL_SIR_FDM_2__20190608T210348_20190608T214003_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, CS_OFFL_SIR_FDM_2__20190608T215948_20190608T222405_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records,

6.7 L2 FDM SWH and Backscatter Measurement Check

CS OFFL SIR FDM 2 20190608T224301 20190608T231109 C001

CS_OFFL_SIR_FDM_2__20190608T233252_20190608T234840_C001

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.

CFI Retracked Range Flag

CFI Retracked Range Flag

indicating the values stored in fields #13, #14, #15 and #16 should be

indicating the values stored in fields #13, #14, #15 and #16 should be

The master fail flag is set by the CFI call, for one or more records

ignored for these records

ignored for these records

Product	Test Failed	Description
	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_220190608T004510_20190608T005314_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_220190608T021114_20190608T023737_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_220190608T025311_20190608T031659_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_220190608T035017_20190608T040011_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_220190608T050328_20190608T050845_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_220190608T052235_20190608T055502_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_220190608T071308_20190608T073458_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_220190608T083906_20190608T091318_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_220190608T101625_20190608T103100_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_220190608T103703_20190608T105257_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_220190608T111048_20190608T112401_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_220190608T112615_20190608T113940_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_220190608T114048_20190608T114250_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_220190608T120537_20190608T121601_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_220190608T121741_20190608T123146_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_220190608T130558_20190608T130953_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_220190608T131116_20190608T131825_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_220190608T135002_20190608T141022_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_220190608T142546_20190608T145344_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_220190608T152541_20190608T155000_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_220190608T162142_20190608T163739_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_220190608T170153_20190608T172137_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_220190608T194827_20190608T195850_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_220190608T202832_20190608T203432_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_220190608T210348_20190608T214003_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_220190608T215948_20190608T222405_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_220190608T224301_20190608T231109_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_220190608T233252_20190608T234840_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.

6.8 L2 FDM Ocean Retracking Quality Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220190608T002650_20190608T003930_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_220190608T004510_20190608T005314_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_220190608T021114_20190608T023737_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_220190608T025311_20190608T031659_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_220190608T035017_20190608T040011_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_220190608T043146_20190608T050254_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_220190608T050328_20190608T050845_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_220190608T052235_20190608T055502_C001	Ocean Retracking Quality Flag	The Ocean Retrackin Retracker was not su
CS_OFFL_SIR_FDM_220190608T070125_20190608T071226_C001	Ocean Retracking Quality Flag	The Ocean Retrackin Retracker was not su
CS_OFFL_SIR_FDM_220190608T071308_20190608T073458_C001	Ocean Retracking Quality Flag	The Ocean Retrackin Retracker was not su
CS_OFFL_SIR_FDM_220190608T075046_20190608T080817_C001	Ocean Retracking Quality Flag	The Ocean Retrackin Retracker was not su
CS_OFFL_SIR_FDM_220190608T083906_20190608T091318_C001	Ocean Retracking Quality Flag	The Ocean Retrackir Retracker was not su
CS_OFFL_SIR_FDM_220190608T093226_20190608T100348_C001	Ocean Retracking Quality Flag	The Ocean Retrackin Retracker was not su
CS_OFFL_SIR_FDM_220190608T101625_20190608T103100_C001	Ocean Retracking Quality Flag	The Ocean Retrackin Retracker was not su
CS_OFFL_SIR_FDM_220190608T103542_20190608T103700_C001	Ocean Retracking Quality Flag	The Ocean Retrackin Retracker was not su
CS_OFFL_SIR_FDM_220190608T103703_20190608T105257_C001	Ocean Retracking Quality Flag	The Ocean Retrackin Retracker was not su
CS_OFFL_SIR_FDM_220190608T111048_20190608T112401_C001	Ocean Retracking Quality Flag	The Ocean Retrackin Retracker was not su
CS_OFFL_SIR_FDM_220190608T112615_20190608T113940_C001	Ocean Retracking Quality Flag	The Ocean Retrackin Retracker was not su
CS_OFFL_SIR_FDM_220190608T114048_20190608T114250_C001	Ocean Retracking Quality Flag	The Ocean Retrackin Retracker was not su
CS_OFFL_SIR_FDM_220190608T120537_20190608T121601_C001	Ocean Retracking Quality Flag	The Ocean Retrackin Retracker was not su
CS_OFFL_SIR_FDM_220190608T121741_20190608T123146_C001	Ocean Retracking Quality Flag	The Ocean Retrackin Retracker was not su
CS_OFFL_SIR_FDM_220190608T125500_20190608T130019_C001	Ocean Retracking Quality Flag	The Ocean Retrackin Retracker was not su
CS_OFFL_SIR_FDM_220190608T130558_20190608T130953_C001	Ocean Retracking Quality Flag	The Ocean Retrackin Retracker was not su
CS_OFFL_SIR_FDM_220190608T131116_20190608T131825_C001	Ocean Retracking Quality Flag	The Ocean Retrackin Retracker was not su
CS_OFFL_SIR_FDM_220190608T135002_20190608T141022_C001	Ocean Retracking Quality Flag	The Ocean Retrackin Retracker was not su
CS_OFFL_SIR_FDM_220190608T142546_20190608T145344_C001	Ocean Retracking Quality Flag	The Ocean Retrackin Retracker was not su
CS_OFFL_SIR_FDM_220190608T152541_20190608T155000_C001	Ocean Retracking Quality Flag	The Ocean Retrackin Retracker was not su
CS_OFFL_SIR_FDM_220190608T162142_20190608T163739_C001	Ocean Retracking Quality Flag	The Ocean Retrackin Retracker was not su
CS_OFFL_SIR_FDM_220190608T170153_20190608T172137_C001	Ocean Retracking Quality Flag	The Ocean Retrackin Retracker was not su
CS_OFFL_SIR_FDM_220190608T174507_20190608T181752_C001	Ocean Retracking Quality Flag	The Ocean Retrackin Retracker was not su
CS_OFFL_SIR_FDM_220190608T185256_20190608T190813_C001	Ocean Retracking Quality Flag	The Ocean Retrackin Retracker was not su
CS_OFFL_SIR_FDM_220190608T194827_20190608T195850_C001	Ocean Retracking Quality Flag	The Ocean Retrackin Retracker was not su
CS_OFFL_SIR_FDM_220190608T200921_20190608T201405_C001	Ocean Retracking Quality Flag	The Ocean Retrackin Retracker was not su
CS_OFFL_SIR_FDM_220190608T202832_20190608T203432_C001	Ocean Retracking Quality Flag	The Ocean Retrackin Retracker was not su
CS_OFFL_SIR_FDM_220190608T210348_20190608T214003_C001	Ocean Retracking Quality Flag	The Ocean Retrackin Retracker was not su
CS_OFFL_SIR_FDM_2_20190608T215948_20190608T222405_C001	Ocean Retracking Quality Flag	The Ocean Retrackin Retracker was not su
CS_OFFL_SIR_FDM_2_20190608T224301_20190608T231109_C001	Ocean Retracking Quality Flag	The Ocean Retrackin Retracker was not su
CS_OFFL_SIR_FDM_220190608T233252_20190608T234840_C001	Ocean Retracking Quality Flag	The Ocean Retrackin Retracker was not su
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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
SIR_FDM_1B	147	147	147	0	0
SIR_FDM_2	145	107	107	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:

110