



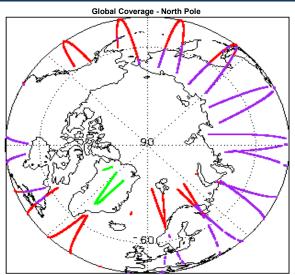
1. Overview

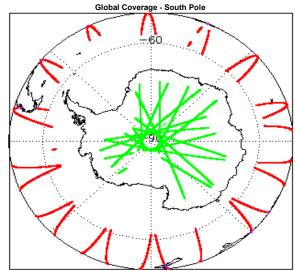
Report Production Date:	07-Aug-2017	
Processor Used:	CryoSat Ice Processor	
Data Used:	L1 and L2 Fast Delivery Marine (FDM)	

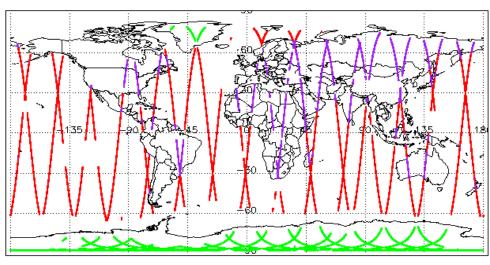
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check	Nominal
Auxiliary Data File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

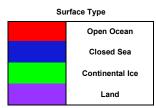
Mission / Instru	ment News
03-Aug-2017	None
04-Aug-2017	None
05-Aug-2017	Nothing planned

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 & 2

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_SIR1LRM_020170804T200956_20170804T202551_0001.DBL	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020170804T130444_20170804T130950_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_0_20170804T121034_20170804T121247_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020170804T152745_20170804T153158_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020170804T010049_20170804T010619_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_0_20170804T030322_20170804T030439_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020170804T223433_20170804T223801_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_20170804T125215_20170804T125904_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20170804T143435_20170804T143553_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20170804T193806_20170804T193859_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_20170804T113735_20170804T114311_C001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_FDM_1B_20170804T125215_20170804T125904_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20170804T143435_20170804T143553_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20170804T193806_20170804T193859_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20170804T212820_20170804T213604_C001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo

6. Level 2 FDM Data Quality Check

6.1 L2 FDM Product Format Check

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

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.

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:

3/

Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records 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 Co	Product	Test Failed	Description
Ses State Bias Correction, Allmetic Wind Speed OS. OFFL_SIR_FDM_2_20170804T03492_20170804T03496_2010 Ses State Bias Correction, Allmetic Wind Speed OS. OFFL_SIR_FDM_2_20170804T034932_20170804T034966_2010 Ses State Bias Correction, Allmetic Wind Speed OS. OFFL_SIR_FDM_2_20170804T034932_20170804T034967_2001 Ses State Bias Correction, Allmetic Wind Speed OS. OFFL_SIR_FDM_2_20170804T034941_20170804T034972_2001 Ses State Bias Correction, Allmetic Wind Speed OS. OFFL_SIR_FDM_2_20170804T034941_20170804T034972_2001 Ses State Bias Correction, Allmetic Wind Speed OS. OFFL_SIR_FDM_2_20170804T034941_20170804T034972_2001 Ses State Bias Correction, Allmetic Wind Speed OS. OFFL_SIR_FDM_2_20170804T034941_20170804T034972_2001 Ses State Bias Correction, Allmetic Wind Speed OS. OFFL_SIR_FDM_2_20170804T034912_20170804T0804180_20170804T034072_20170804T034912_20170804T03407801_20170804T103407801_20170	CS_OFFL_SIR_FDM_220170804T001010_20170804T003403_C001	•	·
Second Company Compa	CS OFFI SID FDM 2 20170904T042940 20170904T021252 C004		
So, OFFL_SIR_FDM_2_20170804T03452_20170804T03455_0001 So OFFL_SIR_FDM_2_20170804T040919_20170804T040910_20170804T1040910_20170804	C3_OFFL_SIR_FDM_2201700041013619_201706041021333_C001		
SG_OFFL_SIR_FDM_2_20170804T03516_20170804T03528_C001 Sas 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, Mainteric Wind Speed Sea State Bias Correction, Alimetric Wind Speed Sea State Bias Correction, Alimetric Wind Speed Sea State Bias Correction, Alimetric Wind S	CS_OFFL_SIR_FDM_220170804T031526_20170804T031858_C001	Wind Speed	Correction for one or more records
Ses State Bias Correction, Altimetric Wind Speed and Ses State Bias Correction, Altimetric Wind Speed Ses State Bias Correction, Altimetric Wind Spe	CS_OFFL_SIR_FDM_220170804T034832_20170804T034956_C001		·
SO GFFL_SIR_FDM_2_20170804T09018_20170804T08537_C001 So GFFL_SIR_FDM_2_20170804T09541_20170804T08537_C001 So GFFL_SIR_FDM_2_20170804T09542_20170804T085337_C001 So GFFL_SIR_FDM_2_20170804T09542_20170804T085337_C001 So GFFL_SIR_FDM_2_20170804T09542_20170804T085337_C001 So GFFL_SIR_FDM_2_20170804T09542_20170804T080337_C001 So GFFL_SIR_FDM_2_20170804T09542_20170804T095040_2001 So GFFL_SIR_FDM_2_20170804T09546_20170804T095040_C001 So GFFL_SIR_FDM_2_20170804T09546_20170804T095040_C001 So GFFL_SIR_FDM_2_20170804T095046_20170804T095046_C001 So GFFL_SIR_FDM_2_20170804T095046_20170804T109046_C001 So GFFL_SIR_FDM_2_20170804T095040_200170804T109046_C001 So GFFL_SIR_FDM_2_20170804T095040_200170804T109046_C001 So GFFL_SIR_FDM_2_20170804T095040_200170804T109046_C001 So GFFL_SIR_FDM_2_20170804T095040_200170804T109046_C001 So GFFL_SIR_FDM_2_20170804T095040_200170804T109046_C001 So GFFL_SIR_FDM_2_20170804T095040_200170804T109046_C001 So GFFL_SIR_FDM_2_20170804T109040_20170804T109046_C001 So GFFL_SIR_FDM_2_20170804T109040_20170804T109040_C001 So GFFL_SIR_FDM_2_20170804T109040_2	CS OFFL SIR FDM 2 20170804T035156 20170804T035238 C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
So Size Blas Correction, Altimetric Wind Speed and Sea State Blas Correction, Altimetric Wind Speed and Sea State Blas Correction, Altimetric Wind Speed and Sea State Blas Correction, Altimetric Wind Speed W			
CS_OFFL_SIR_FDM_2_20170804T085417_20170804T08357_C001 Ses 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 Correction for one or more records There is an error with the Altimetric Wind Speed and 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 Correcti	C5_OFFL_SIR_FDM_2201708041040919_201708041043017_C001		
CS_OFFL_SIR_FDM_2_0170804T069357_20170804T080337_C01 Sea State Bias Correction, Allimetric Wind Speed CS_OFFL_SIR_FDM_2_0170804T080337_C01 Sea State Bias Correction, Allimetric Wind Speed and Sea State Bias Correction, Allimetric Wind Speed CS_OFFL_SIR_FDM_2_0170804T080337_C01 Sea State Bias Correction, Allimetric Wind Speed and Sea State Bias Correction, Allimetric Wind Speed CS_OFFL_SIR_FDM_2_0170804T080340_C01 Sea State Bias Correction, Allimetric Wind Speed and Sea State Bias Correction, Allimetric Wind Speed CS_OFFL_SIR_FDM_2_0170804T080410030303_C01 Sea State Bias Correction, Allimetric Wind Speed and Sea State Bias Correction, Allimetric Wind Speed CS_OFFL_SIR_FDM_2_0170804T095726_20170804T10233_C01 Sea State Bias Correction, Allimetric Wind Speed and Sea State Bias Correction or one or more records CS_OFFL_SIR_FDM_2_0170804T09404_C010 CS_OFFL_SIR_FDM_2_0170804T10404_01103045_C001 Sea State Bias Correction, Allimetric Wind Speed and Sea State Bias Correction or one or more records CS_OFFL_SIR_FDM_2_0170804T10404_C0104 Sea State Bias Correction, Allimetric Wind Speed and Sea State Bias Correction for one or more records CS_OFFL_SIR_FDM_2_0170804T10404_01103045_C001 Sea State Bias Correction, Allimetric Wind Speed and Sea State Bias Correction for one or more records CS_OFFL_SIR_FDM_2_0170804T10404_01103045_C001 Sea State Bias Correction, Allimetric Wind Speed CS_OFFL_SIR_FDM_2_0170804T10404_01104	CS_OFFL_SIR_FDM_220170804T045441_20170804T045742_C001	Wind Speed	Correction for one or more records
Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction, Altimetric Wind	CS_OFFL_SIR_FDM_220170804T054817_20170804T062410_C001		·
Wind Speed 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	CS_OFFL_SIR_FDM_220170804T063521_20170804T063537_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, Altimetric Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction, Altimetric Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction, Altimetric Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric Wind Speed State Bias Correction For one or more records There is an error with the Altimetric Wind Speed State Bias Correction, Altimetric Wind Speed State Bias Correction, Altimetric Wind Speed State Bias Correction, Altimetric Wind Speed State	CS_OFFL_SIR_FDM_220170804T074919_20170804T080337_C001		·
S_OFFL_SIR_FDM_2_20170804T090241_20170804T0903303_C001 S_OFFL_SIR_FDM_2_20170804T0902341_20170804T0903303_C001 S_OFFL_SIR_FDM_2_20170804T0902341_20170804T101233_C001 S_OFFL_SIR_FDM_2_20170804T101740_20170804T101233_C001 S_OFFL_SIR_FDM_2_20170804T101740_20170804T101233_C001 S_OFFL_SIR_FDM_2_20170804T101740_20170804T101234_C001 S_OFFL_SIR_FDM_2_20170804T114801_20170804T11234_C001 S_OFFL_SIR_FDM_2_20170804T114801_20170804T11234_C001 S_OFFL_SIR_FDM_2_20170804T114804_20170804T12344_C001 S_OFFL_SIR_FDM_2_20170804T140504_20170804T132304_C001 S_OFFL_SIR_FDM_2_20170804T140504_20170804T16045_201	CS OFFL SIR FDM 2 20170804T083534 20170804T085010 C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
Sea State Bias Correction, Mean Sea Surface height, Attimetric Wind Speed, the Sea State Bias Correction, Attimetric Wind Speed, the Sea State Bias Correction, Attimetric Wind Speed, the Sea State Bias Correction, Attimetric Wind Speed and Sea State Bias Correction from one or more records Sea State Bias Correction, Attimetric Wind Speed and Sea State Bias Correction from one or more records Sea State Bias Correction, Attimetric Wind Speed and Sea State Bias Correction from one or more records Sea State Bias Correction, Attimetric Wind Speed and Sea State Bias Correction from one or more records Sea State Bias Correction, Attimetric Wind Speed and Sea State Bias Correction from one or more records Sea State Bias Correction, Attimetric Wind Speed and Sea State Bias Correction from one or more records Sea State Bias Correction, Attimetric Wind Speed and Sea State Bias Correction from one or more records Sea State Bias Correction, Attimetric Wind Speed and Sea State Bias Correction from one or more records Sea State Bias Correction, Attimetric Wind Speed and Sea State Bias Correction from one or more records Sea State Bias Correction, Attimetric Wind Speed and Sea State Bias Correction from one or more records Sea State Bias Correction, Attimetric Wind Speed and Sea State Bias Correction from one or more records Sea State Bias Correction, Attimetric Wind Speed and Sea State Bias Correction from one or more records Sea State Bias Correction, Attimetric Wind Speed and Sea State Bias Correction from one or more records Sea State Bias Correction, Attimetric Wind Speed and Sea State Bias Correction from one or more records Sea State Bias Correction, Attimetric Wind Speed and Sea State Bias Correction from one or more records Sea State Bias Correction, Attimetric Wind Speed and Sea State Bias Correction from one or more records Sea State Bias Correction, Attimetric Wind S			
Superfixed height, Altimetric Wind Speed CS_OFFL_SIR_FDM_2_20170804T09234_20170804T101233_C001 Surface height, Altimetric Wind Speed Sea State Bias Correction, Altimetric Wind Speed CS_OFFL_SIR_FDM_2_20170804T1040_20170804T103045_C001 Sea State Bias Correction, Altimetric Wind Speed CS_OFFL_SIR_FDM_2_20170804T114801_20170804T121034_C001 Sea State Bias Correction, Altimetric Wind Speed CS_OFFL_SIR_FDM_2_20170804T122640_20170804T125017_C001 Sea State Bias Correction, Altimetric CS_OFFL_SIR_FDM_2_20170804T122640_20170804T125017_C001 Sea State Bias Correction, Altimetric Wind Speed CS_OFFL_SIR_FDM_2_20170804T132314_C001 Sea State Bias Correction, Altimetric Wind Speed CS_OFFL_SIR_FDM_2_20170804T133314_C001 Sea State Bias Correction, Altimetric Wind Speed CS_OFFL_SIR_FDM_2_20170804T143240_C001 Sea State Bias Correction, Altimetric Wind Speed CS_OFFL_SIR_FDM_2_20170804T143301_20170804T143240_C001 Sea State Bias Correction, Altimetric Wind Speed CS_OFFL_SIR_FDM_2_20170804T145514_20170804T16223_C001 Sea State Bias Correction, Altimetric Wind Speed CS_OFFL_SIR_FDM_2_20170804T16354_20170804T16223_C001 Sea State Bias Correction, Altimetric Wind Speed CS_OFFL_SIR_FDM_2_20170804T16354_20170804T16223_C001 Sea State Bias Correction, Altimetric Wind Speed CS_OFFL_SIR_FDM_2_20170804T164610_20170804T10232_C001 Sea State Bias Correction, Altimetric Wind Speed CS_OFFL_SIR_FDM_2_20170804T164610_20170804T100442_C001 Sea State Bias Correction, Altimetric Wind Speed Correc			
CS_OFFL_SIR_FDM_2_20170804T101740_20170804T10304S_C001 Sea State Bias Correction Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction, Altimetric Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction, Altimetric	CS_OFFL_SIR_FDM_220170804T092341_20170804T093303_C001	Surface height, Altimetric Wind Speed	Correction and the Mean Sea Surface Height for one or more records
Sea State Bias Correction Sea State Bias Correction Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction, Altimetric Sea State Bias Correction, Alt	CS_OFFL_SIR_FDM_220170804T095726_20170804T101233_C001		
CS_OFFL_SIR_FDM_2_20170804T122640_20170804T125017_C001 Sea State Bias Correction, Altimetric Wind Speed CS_OFFL_SIR_FDM_2_20170804T143220_20170804T1432314_C001 CS_OFFL_SIR_FDM_2_20170804T143204_C001 CS_OFFL_SIR_FDM_2_20170804T145514_20170804T14232_C001 CS_OFFL_SIR_FDM_2_20170804T145514_20170804T162223_C001 CS_OFFL_SIR_FDM_2_20170804T161854_20170804T162223_C001 CS_OFFL_SIR_FDM_2_20170804T161854_20170804T162223_C001 CS_OFFL_SIR_FDM_2_20170804T161854_20170804T162223_C001 CS_OFFL_SIR_FDM_2_20170804T161854_20170804T16223_C001 CS_OFFL_SIR_FDM_2_20170804T161854_20170804T16223_C001 CS_OFFL_SIR_FDM_2_20170804T161854_20170804T16223_C001 CS_OFFL_SIR_FDM_2_20170804T163414_20170804T16223_C001 CS_OFFL_SIR_FDM_2_20170804T164610_20170804T1646325_C001 CS_OFFL_SIR_FDM_2_20170804T164610_20170804T193648_C001 CS_OFFL_SIR_FDM_2_20170804T190521_20170804T193648_C001 CS_OFFL_SIR_FDM_2_20170804T190521_20170804T193648_C001 CS_OFFL_SIR_FDM_2_20170804T190521_20170804T193648_C001 CS_OFFL_SIR_FDM_2_20170804T190521_20170804T200404_C002 CS_OFFL_SIR_FDM_2_20170804T200844_20170804T200942_C001 CS_OFFL_SIR_FDM_2_20170804T200945_20170804T200942_C001 CS_OFFL_SIR_FDM_2_20170804T200945_20170804T200942_C001 CS_OFFL_SIR_FDM_2_20170804T200945_20170804T200942_C001 CS_OFFL_SIR_FDM_2_20170804T200945_20170804T200942_C001 CS_OFFL_SIR_FDM_2_20170804T200945_20170804T200942_C001 CS_OFFL_SIR_FDM_2_20170804T200945_20170804T200945_200170804T200945_200170804T200945_200170804T200945_200170804T200945_200170804T200945_200170804T200945_200170804T20094	CS_OFFL_SIR_FDM_220170804T101740_20170804T103045_C001		There is an error with the Sea State Bias Correction for one or more
CS_OFFL_SIR_FDM_2_20170804T122640_20170804T132314_C001 Sea State Bias Correction Sea State Bias Correction, Altimetric Wind Speed CS_OFFL_SIR_FDM_2_20170804T140504_20170804T143240_C001 Sea State Bias Correction, Altimetric Wind Speed CS_OFFL_SIR_FDM_2_20170804T143630_20170804T144232_C001 Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction, Altimetric Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction, Altimetric Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction, Altimetric Sea State Bias Correction, Altimetric Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Cor	CS_OFFL_SIR_FDM_220170804T114801_20170804T121034_C001		·
CS_OFFL_SIR_FDM_2_20170804T143240_C001 CS_OFFL_SIR_FDM_2_20170804T143630_20170804T143240_C001 CS_OFFL_SIR_FDM_2_20170804T143630_20170804T143240_C001 CS_OFFL_SIR_FDM_2_20170804T145514_20170804T152745_C001 CS_OFFL_SIR_FDM_2_20170804T145514_20170804T162223_C001 CS_OFFL_SIR_FDM_2_20170804T16854_20170804T162223_C001 CS_OFFL_SIR_FDM_2_20170804T164610_20170804T16223_C001 CS_OFFL_SIR_FDM_2_20170804T164610_20170804T164325_C001 CS_OFFL_SIR_FDM_2_20170804T164610_20170804T164610_20170804T164610_20170804T164610_20170804T184615_C001 CS_OFFL_SIR_FDM_2_20170804T184055_20170804T184615_C001 CS_OFFL_SIR_FDM_2_20170804T194926_20170804T193648_C001 CS_OFFL_SIR_FDM_2_20170804T194926_20170804T193648_C001 CS_OFFL_SIR_FDM_2_20170804T194926_20170804T200404_C002 CS_OFFL_SIR_FDM_2_20170804T200844_20170804T200404_C002 CS_OFFL_SIR_FDM_2_20170804T200844_20170804T200942_C001 CS_OFFL_SIR_FDM_2_20170804T200844_20170804T200942_C001 CS_OFFL_SIR_FDM_2_20170804T200844_20170804T200942_C001 CS_OFFL_SIR_FDM_2_20170804T200844_20170804T200942_C001 CS_OFFL_SIR_FDM_2_20170804T200844_20170804T200956_20170804T200956_C001708	CS_OFFL_SIR_FDM_220170804T122640_20170804T125017_C001		There is an error with the Sea State Bias Correction for one or more
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 Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records Sea State Bias Correction, Altimetric Wind Speed CS_OFFL_SIR_FDM_2_20170804T184610_20170804T193648_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 err	CS_OFFL_SIR_FDM_220170804T132208_20170804T133314_C001		·
CS_OFFL_SIR_FDM_2_20170804T145514_20170804T16223_C001 CS_OFFL_SIR_FDM_2_20170804T16854_20170804T16223_C001 CS_OFFL_SIR_FDM_2_20170804T163414_20170804T164325_C001 CS_OFFL_SIR_FDM_2_20170804T163414_20170804T164325_C001 CS_OFFL_SIR_FDM_2_20170804T163414_20170804T164325_C001 CS_OFFL_SIR_FDM_2_20170804T163414_20170804T164325_C001 CS_OFFL_SIR_FDM_2_20170804T163414_20170804T164325_C001 CS_OFFL_SIR_FDM_2_20170804T163414_20170804T163401 CS_OFFL_SIR_FDM_2_20170804T163416_0_20170804T170723_C001 CS_OFFL_SIR_FDM_2_20170804T181055_20170804T184615_C001 CS_OFFL_SIR_FDM_2_20170804T190521_20170804T193648_C001 CS_OFFL_SIR_FDM_2_20170804T190521_20170804T193648_C001 CS_OFFL_SIR_FDM_2_20170804T194926_20170804T200404_C002 CS_OFFL_SIR_FDM_2_20170804T200844_20170804T200942_C001 CS_OFFL_SIR_FDM_2_20170804T200846_20170804T200551_C001 CS_OFFL_SIR_FDM_2_20170804T200566_20170804T20551_C001 CS_OFFL_SIR_FDM_2_20170804T2005627_C001 CS_OFFL_SIR_FDM_2_20170804T20804T20551_C001 CS_OFFL_SIR_FDM_2_20170804T20551_20170804T20551_C001 CS_OFFL_SIR_FDM_2_20170804T20551_20170804T20557_C001 CS_OFFL_SIR_FDM_2_20170804T20551_20170804T20557_C001 CS_OFFL_SIR_FDM_2_20170804T20551_20170804T20551_C001 CS_OFFL_SIR_FDM_2_20170804T20551_20170804T20557_C001 CS_OFFL_SIR_FDM_2_20170804T20551_20170804T205507_C001 CS_OFFL_SIR_FDM_2_20170804T205507_C001 CS_OFFL_SIR_FDM_2_20170804T205507_C001 CS_OFFL_SIR_FDM_2_20170804T205507_C001 CS_OFFL_SIR_FDM_2_20170804T205507_C001 CS_OFFL_SIR_FDM_2_20170804T205507_C001 CS_OFFL_SIR_FDM_2_20170804T205507_C001 CS_OFFL_SIR_FDM_2_20	CS_OFFL_SIR_FDM_220170804T140504_20170804T143240_C001		There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_2_20170804T161854_20170804T16223_C001 CS_OFFL_SIR_FDM_2_20170804T161854_20170804T16223_C001 CS_OFFL_SIR_FDM_2_20170804T163414_20170804T16325_C001 CS_OFFL_SIR_FDM_2_20170804T163414_20170804T170723_C001 CS_OFFL_SIR_FDM_2_20170804T18055_20170804T184615_C001 CS_OFFL_SIR_FDM_2_20170804T190521_20170804T193648_C001 CS_OFFL_SIR_FDM_2_20170804T190521_20170804T193648_C001 CS_OFFL_SIR_FDM_2_20170804T190521_20170804T2005627_C001 CS_OFFL_SIR_FDM_2_20170804T200515_20170804T205515_C001 CS_OFFL_SIR_FDM_2_20170804T205515_20170804T205515_C001 CS_OFFL_SIR_FDM_2_20170804T205515_20170804T205515_C001 CS_OFFL_SIR_FDM_2_20170804T205515_20170804T205515_C001 CS_OFFL_SIR_FDM_2_20170804T205515_20170804T205515_C001 CS_OFFL_SIR_FDM_2_20170804T205515_20170804T205515_C001 CS_OFFL_SIR_FDM_2_20170804T205515_20170804T205515_C001 CS_OFFL_SIR_FDM_2_20170804T205515_20170804T21540_C001 CS_OFFL_SIR_FDM_2_20170804T205515_20170804T205515_C001 CS_OFFL_SIR_FDM_2_20170804T205515_20170804	CS_OFFL_SIR_FDM_220170804T143630_20170804T144232_C001		
Wind Speed CS_OFFL_SIR_FDM_2_20170804T163414_20170804T16325_C001 CS_OFFL_SIR_FDM_2_20170804T164610_20170804T170723_C001 CS_OFFL_SIR_FDM_2_20170804T181055_20170804T184615_C001 CS_OFFL_SIR_FDM_2_20170804T190521_20170804T193648_C001 CS_OFFL_SIR_FDM_2_20170804T190521_20170804T193648_C001 CS_OFFL_SIR_FDM_2_20170804T194926_20170804T200404_C002 CS_OFFL_SIR_FDM_2_20170804T200804	CS_OFFL_SIR_FDM_220170804T145514_20170804T152745_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_2_20170804T163414_20170804T164325_C001 Sea State Bias Correction, Altimetric Wind Speed CS_OFFL_SIR_FDM_2_20170804T164610_20170804T170723_C001 CS_OFFL_SIR_FDM_2_20170804T181055_20170804T184615_C001 CS_OFFL_SIR_FDM_2_20170804T190521_20170804T193648_C001 CS_OFFL_SIR_FDM_2_20170804T194926_20170804T200404_C002 CS_OFFL_SIR_FDM_2_20170804T194926_20170804T200404_C002 CS_OFFL_SIR_FDM_2_20170804T2008444_20170804T200942_C001 CS_OFFL_SIR_FDM_2_20170804T2008444_20170804T200942_C001 CS_OFFL_SIR_FDM_2_20170804T2008445_20170804T200942_C001 CS_OFFL_SIR_FDM_2_20170804T2008445_20170804T200551_C001 CS_OFFL_SIR_FDM_2_20170804T200956_20170804T20551_C001 CS_OFFL_SIR_FDM_2_20170804T204319_20170804T205627_C001 CS_OFFL_SIR_FDM_2_20170804T204319_20170804T205627_C001 CS_OFFL_SIR_FDM_2_20170804T204319_20170804T205627_C001 CS_OFFL_SIR_FDM_2_20170804T204319_20170804T205627_C001 CS_OFFL_SIR_FDM_2_20170804T204319_20170804T205627_C001 CS_OFFL_SIR_FDM_2_20170804T205515_20170804T205627_C001 CS_OFFL_SIR_FDM_2_20170804T205615_20170804T205627_C001 CS_OFFL_SIR_FDM_2_20170804T205615_20170804T205627_C001 CS_OFFL_SIR_FDM_2_20170804T205615_20170804T205627_C001 CS_OFFL_SIR_FDM_2_20170804T205615_20170804T205627_C001 CS_OFFL_SIR_FDM_2_20170804T205615_20170804T205627_C001 CS_OFFL_SIR_FDM_2_20170804T205615	CS_OFFL_SIR_FDM_220170804T161854_20170804T162223_C001		
CS_OFFL_SIR_FDM_2_20170804T181055_20170804T184615_C001 CS_OFFL_SIR_FDM_2_20170804T181055_20170804T193648_C001 CS_OFFL_SIR_FDM_2_20170804T194926_20170804T200404_C002 CS_OFFL_SIR_FDM_2_20170804T200804T200404_C002 CS_OFFL_SIR_FDM_2_20170804T200804T200804T200942_C001 CS_OFFL_SIR_FDM_2_20170804T200804T200804T200942_C001 CS_OFFL_SIR_FDM_2_20170804T200804T200804T200942_C001 CS_OFFL_SIR_FDM_2_20170804T2008	CS_OFFL_SIR_FDM_220170804T163414_20170804T164325_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_2_20170804T181055_20170804T193648_C001 CS_OFFL_SIR_FDM_2_20170804T190521_20170804T193648_C001 CS_OFFL_SIR_FDM_2_20170804T194926_20170804T200404_C002 CS_OFFL_SIR_FDM_2_20170804T200804T200404_C002 CS_OFFL_SIR_FDM_2_20170804T200804T2009042_C001 CS_OFFL_SIR_FDM_2_20170804T200804T2009042_C001 CS_OFFL_SIR_FDM_2_20170804T200804T2009042_C001 CS_OFFL_SIR_FDM_2_20170804T200804T2009042_C001 CS_OFFL_SIR_FDM_2_20170804T200804T2009042_C001 CS_OFFL_SIR_FDM_2_20170804T2009056_20170804T200551_C001 CS_OFFL_SIR_FDM_2_20170804T2009056_20170804T2005067_C001 CS_OFFL_SIR_FDM_2_20170804T200304T2005067_C001 CS_OFFL_SIR_FDM_2_20170804T200304T2005067_C001 CS_OFFL_SIR_FDM_2_20170804T200305627_C001 CS_OFFL_SIR_FDM_2_20170804T200305627_C001 CS_OFFL_SIR_FDM_2_20170804T200305627_C001 CS_OFFL_SIR_FDM_2_20170804T200305627_C001 CS_OFFL_SIR_FDM_2_20170804T2003057_001000000000000000000000000000000000	CS OFFI SID FDM 2 20170804T164610 20170804T170723 C001		
CS_OFFL_SIR_FDM_2_20170804T190521_20170804T193648_C001 CS_OFFL_SIR_FDM_2_20170804T194926_20170804T200404_C002 CS_OFFL_SIR_FDM_2_20170804T200404_C002 CS_OFFL_SIR_FDM_2_20170804T200404_C002 CS_OFFL_SIR_FDM_2_20170804T200404_C001 CS_OFFL_SIR_FDM_2_20170804T200404_C001 CS_OFFL_SIR_FDM_2_20170804T200956_20170804T200942_C001 CS_OFFL_SIR_FDM_2_20170804T200956_20170804T200551_C001 CS_OFFL_SIR_FDM_2_20170804T200956_20170804T20551_C001 CS_OFFL_SIR_FDM_2_20170804T20035627_C001 CS_OFFL_SIR_FDM_2_20170804T204319_20170804T205627_C001 CS_OFFL_SIR_FDM_2_20170804T205640_C001 CS_OFFL_SIR_FDM_2_20170804T205640_C001 CS_OFFL_SIR_FDM_2_20170804T205640_C001 CS_OFFL_SIR_FDM_2_20170804T205640_C001 CS_OF			
Wind Speed CS_OFFL_SIR_FDM_2_20170804T194926_20170804T200404_C002 CS_OFFL_SIR_FDM_2_20170804T200844_20170804T200942_C001 CS_OFFL_SIR_FDM_2_20170804T200844_20170804T200942_C001 CS_OFFL_SIR_FDM_2_20170804T200956_20170804T200551_C001 CS_OFFL_SIR_FDM_2_20170804T200956_20170804T205627_C001 CS_OFFL_SIR_FDM_2_20170804T204319_20170804T205627_C001 CS_OFFL_SIR_FDM_2_20170804T205641 CS_OFFL_SIR_FDM_2_20170804T205641 CS_OFFL_SIR_FDM_2_20170804T205641 CS_OFFL_SIR_FDM_2_20170804T205641 CS_OFFL_SIR_FDM_2_20170804T205641 CS_OFFL_SIR_FDM_2_20170804T205641 CS_OFFL_SIR_FDM_2_20170804T205641 CS_OFFL_SIR_FDM_2_20170804T205641 CS_OFFL_SIR_FDM_2_	CS_OFFL_SIR_FDM_2201708041181055_201708041184615_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_2_20170804T200844_20170804T200942_C001 CS_OFFL_SIR_FDM_2_20170804T200956_20170804T200551_C001 CS_OFFL_SIR_FDM_2_20170804T200956_20170804T20551_C001 CS_OFFL_SIR_FDM_2_20170804T204319_20170804T205627_C001 CS_OFFL_SIR_FDM_2_20170804T204319_20170804T20450404 CS_OFFL_SIR_FDM_2_20170804T20441040404 CS_OFFL_SIR_FDM_2_20170804T20441040404 CS_OFFL_SIR_FDM_2_20170804T20441040404 CS_OFFL_SIR_FDM_2_20170804T20441040404 CS_OFFL_SIR_FDM_2_20170804T20441040404 CS	CS_OFFL_SIR_FDM_220170804T190521_20170804T193648_C001		
CS_OFFL_SIR_FDM_2_20170804T200844_20170804T200942_C001 Wind Speed CS_OFFL_SIR_FDM_2_20170804T200956_20170804T202551_C001 CS_OFFL_SIR_FDM_2_20170804T204319_20170804T205627_C001 CS_OFFL_SIR_FDM_2_20170804T204319_20170804T205627_C001 CS_OFFL_SIR_FDM_2_20170804T204319_20170804T205627_C001 CS_OFFL_SIR_FDM_2_20170804T204319_20170804T205627_C001 CS_OFFL_SIR_FDM_2_20170804T204319_20170804T211540_C001 Wind Speed Correction, Altimetric Sea State Bias Correction, Altimetric CS_OFFL_SIR_FDM_2_20170804T204319_20170804T211540_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_220170804T194926_20170804T200404_C002	Wind Speed	Correction for one or more records
Wind Speed Correction for one or more records CS_OFFL_SIR_FDM_2_20170804T204319_20170804T205627_C001 CS_OFFL_SIR_FDM_2_20170804T204319_20170804T205627_C001 CS_OFFL_SIR_FDM_2_20170804T205915_20170804T205627_C001 Wind Speed Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records CS_OFFL_SIR_FDM_2_20170804T205915_20170804T211540_C001 There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20170804T205915_20170804T211540_C001	CS_OFFL_SIR_FDM_220170804T200844_20170804T200942_C001		·
Wind Speed Correction for one or more records CS_OFFL_SIR_FDM_2_20170804T205915_20170804T211540_C001 Wind Speed Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias	CS_OFFL_SIR_FDM_220170804T200956_20170804T202551_C001		
CS_OFFL_SIR_FDM_2_20170804T205915_20170804T211540_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias	CS_OFFL_SIR_FDM_220170804T204319_20170804T205627_C001		
Wind Speed Correction for one or more records	CS_OFFL_SIR_FDM_220170804T205915_20170804T211540_C001		
CS_OFFL_SIR_FDM_2_20170804T222518_20170804T223433_C001 Sea State Bias Correction, Altimetric Wind Speed Wind Speed There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records	CS_OFFL_SIR_FDM_2_20170804T222518_20170804T223433_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_2_20170804T223801_20170804T224253_C001 Vivil Speed Sea State Bias Correction, Altimetric Wind Speed Correction to the of more records Correction for one or more records	CS_OFFL_SIR_FDM_220170804T223801_20170804T224253_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_2_20170804T232143_20170804T234252_C001 Sea State Bias Correction, Altimetric Wind Speed There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records	CS_OFFL_SIR_FDM_220170804T232143_20170804T234252_C001	Sea State Bias Correction, Altimetric	

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_220170804T113735_20170804T114311_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220170804T125215_20170804T125904_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220170804T143435_20170804T143553_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220170804T193806_20170804T193859_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220170804T212820_20170804T213604_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo

6.6 L2 FDM Range Measurement Check

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

Number of products with errors:

26

5

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220170804T001010_20170804T003403_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_220170804T013819_20170804T021353_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.

CS_OFFL_SIR_FDM_2_20170804T031526_20170804T031858_C001 CFI Retracked Range Flag indicating the values stored in figure of these records. The master fail flag is set by the	e CFI call, for one or more records, fields #13, #14, #15 and #16 should be
ignored for these records.	e CFI call, for one or more records, fields #13, #14, #15 and #16 should be
	e CFI call, for one or more records, fields #13, #14, #15 and #16 should be
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	e CFI call, for one or more records, fields #13, #14, #15 and #16 should be
	e CFI call, for one or more records, fields #13, #14, #15 and #16 should be
	e CFI call, for one or more records, fields #13, #14, #15 and #16 should be

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: 26

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220170804T001010_20170804T003403_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_220170804T013819_20170804T021353_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_220170804T031526_20170804T031858_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_220170804T045441_20170804T045742_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_220170804T054817_20170804T062410_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_20170804T063521_20170804T063537_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_220170804T074919_20170804T080337_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_220170804T083534_20170804T085010_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_220170804T090646_20170804T092140_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_220170804T092341_20170804T093303_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_220170804T095726_20170804T101233_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_220170804T132208_20170804T133314_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_220170804T140504_20170804T143240_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_220170804T143630_20170804T144232_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_220170804T145514_20170804T152745_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_220170804T163414_20170804T164325_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_20170804T164610_20170804T170723_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_20170804T181055_20170804T184615_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_220170804T190521_20170804T193648_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_220170804T194926_20170804T200404_C002	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_220170804T200844_20170804T200942_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_220170804T200956_20170804T202551_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_220170804T204319_20170804T205627_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_220170804T205915_20170804T211540_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_220170804T222518_20170804T223433_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_20170804T232143_20170804T234252_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
CS_OFFL_SIR_FDM_220170804T001010_20170804T003403_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170804T013819_20170804T021353_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170804T024458_20170804T030322_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170804T031526_20170804T031858_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170804T035156_20170804T035238_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170804T040919_20170804T043017_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170804T045441_20170804T045742_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170804T054817_20170804T062410_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170804T063521_20170804T063537_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170804T064555_20170804T070847_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170804T074919_20170804T080337_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170804T081646_20170804T083320_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170804T083534_20170804T085010_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170804T090646_20170804T092140_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170804T092341_20170804T093303_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170804T095726_20170804T101233_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170804T101740_20170804T103045_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170804T104637_20170804T110239_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170804T114431_20170804T114758_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170804T114801_20170804T121034_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220170804T122640_20170804T125017_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. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.

	I	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_220170804T125904_20170804T130133_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220170804T132208_20170804T133314_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_220170804T140504_20170804T143240_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_220170804T143630_20170804T144232_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_220170804T145514_20170804T152745_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_220170804T161854_20170804T162223_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_220170804T163414_20170804T164325_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_220170804T164610_20170804T170723_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_220170804T181055_20170804T184615_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_220170804T190521_20170804T193648_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_220170804T194926_20170804T200404_C002	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_220170804T200844_20170804T200942_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_220170804T200956_20170804T202551_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_220170804T204319_20170804T205627_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_220170804T205915_20170804T211540_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_220170804T213845_20170804T214904_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_220170804T222518_20170804T223433_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_2_20170804T223801_20170804T224253_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_220170804T232143_20170804T234252_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.

7. QCC Report Analysis

The Quality Control for CryoSat (QCC) facility performs a primary survey of data products immediately after production by the PDS and LTA processing facilities. A list of the tests which raised errors or warnings is provided below.

Product type	Nb. Products	Nb. QCC Reports	Nb. Valid	Nb. Warnings	Nb. Errors
SIR1LRM_0_	133	133	133	0	0
SIR1SAR_0_	111	111	111	0	0
SIR1SIN_0_	106	106	106	0	0
SIR2SIN_0_	109	109	109	0	0
SIR_FDM_1B	133	133	133	0	0
SIR FDM 2	130	130	130	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