



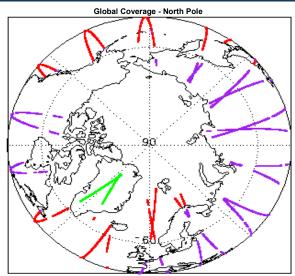
## 1. Overview

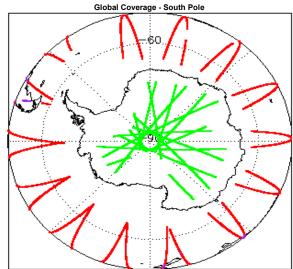
Report Production Date:	05-May-2017	
Processor Used:	CryoSat Ice Processor	
Data Used:	L1 and L2 Fast Delivery Marine (FDM)  Mode and L0 Data	

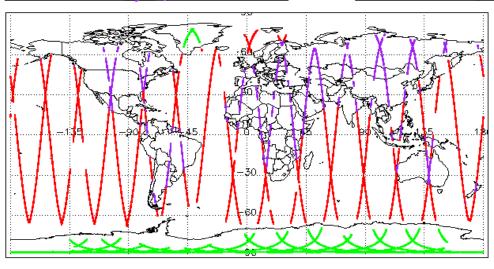
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check	Nominal
Auxiliary Data File 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	iment News
03-May-2017	None
04-May-2017	None
05-May-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	

# 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_020170504T083757_20170504T083847_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020170504T163305_20170504T164048_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020170504T133055_20170504T133213_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020170504T025603_20170504T030052_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020170504T040730_20170504T041032_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020170504T182122_20170504T182929_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.

## 5. Level 1B FDM Data Quality Check

#### 5.1 L1B FDM Product Format Check

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

Number of products with errors: 0

#### 5.2 L1B FDM Product Header Analysis

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

Number of products with errors:

#### 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_20170504T180358_20170504T180854_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20170504T194530_20170504T194624_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20170504T212437_20170504T212553_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20170504T230519_20170504T230740_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_20170504T030110_20170504T030145_C001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_FDM_1B_20170504T180358_20170504T180854_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20170504T194530_20170504T194624_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20170504T212437_20170504T212553_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20170504T230519_20170504T230740_C001	Attitude correction missing	The attitude has not been corrected

### 6. Level 2 FDM Data Quality Check

#### 6.1 L2 FDM Product Format Check

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

Number of products with errors:

#### 6.2 L2 FDM Product Header Analysis

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

Number of products with errors:

### 6.3 L2 FDM Auxiliary Data File Usage Check

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

Number of products with errors:

### 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:

Ses State Bias Correction, Allimetic  Ses State Bias Correction for one or more records  Ses State Bias Correction, Allimetic  Ses State Bias Corr	Product	Test Failed	Description
CS_OFFL_SIR_FDML_2_01709041103435_001  South Speed  GS_OFFL_SIR_FDML_2_0170904102435_001709041024445_001  South Speed  GS_OFFL_SIR_FDML_2_0170904102435_001709041024445_001  South Speed  GS_OFFL_SIR_FDML_2_0170904102435_001709041024445_001  South Speed  GS_OFFL_SIR_FDML_2_01709041024345_001709041024445_001  South Speed  GS_OFFL_SIR_FDML_2_01709041024345_001709041024445_001  South Speed  GS_OFFL_SIR_FDML_2_01709041024345_001709041024445_001  South Speed  GS_OFFL_SIR_FDML_2_01709041024345_001709041004449_001  GS_OFFL_SIR_FDML_2_01709041024035_001709041004359_001  South Speed  GS_OFFL_SIR_FDML_2_01709041024035_001709041004359_001  South Speed  GS_OFFL_SIR_FDML_2_01709041024035_001709041004359_001  South Speed  GS_OFFL_SIR_FDML_2_01709041004031_001709041004449_001  South Speed  GS_OFFL_SIR_FDML_2_01709041004031_001709041004449_001  South Speed  GS_OFFL_SIR_FDML_2_01709041004031_001709041004359_001709041004359_001709041004359_001709041004359_0017090411004359_0017090411004359_0017090411004359_0017090411004359_0017090411004359_0017090411004359_0017090411004359_0017090411004359_001709041100459_			There is an error with the Altimetric Wind Speed and Sea State Bias
So OFFL_SIR_FDM_2_20170940102392_001	C3_O11E_31K_1 DWI_2201703041003120_201703041004037_C001		
So, OFFL_SR_FDM_2_201705041702434_201705041702436_0001  So OFFL_SR_FDM_2_201705041700218_2017050417020437_0001  So OFFL_SR_FDM_2_2017050417000218_201705041700405_0001  So OFFL_SR_FDM_2_2017050417000218_201705041700405_0001  So OFFL_SR_FDM_2_20170504170000218_201705041700405_0001  So OFFL_SR_FDM_2_20170504170000218_201705041700405_0001  So OFFL_SR_FDM_2_20170504170000218_20170504170000000000000000000000000000000	CS_OFFL_SIR_FDM_220170504T012159_20170504T013425_C001	Wind Speed	Correction for one or more records
So, OFFL_SIR_FDM_2_20170941730342_00170941709575_001  So, OFFL_SIR_FDM_2_20170941730342_00170941709575_001  So, OFFL_SIR_FDM_2_20170941730472_0017094170941709575_001  So, OFFL_SIR_FDM_2_20170941730470941709417094170941709575_001  So, OFFL_SIR_FDM_2_201709417304709417094170941709597095975_001  So, OFFL_SIR_FDM_2_201709417304709470941709597095975_001  So, OFFL_SIR_FDM_2_20170941730470947094709470959709597095970959709597	CS_OFFL_SIR_FDM_220170504T020122_20170504T021145_C001	Wind Speed	Correction for one or more records
Vivid Speed  So, OFFL_Sir, FDM _2_201709041002418_201709047030470_ So Soft List R_FDM _2_2017090410030470_201709047030410_ So Soft List R_FDM _2_2017090410030470_201709047030400_ So Soft List R_FDM _2_201709041030400_201709047030400_ So Soft List Bias Correction  So Soft List	CS_OFFL_SIR_FDM_220170504T021325_20170504T022757_C001	-	
Sea State Bas Correction Sea State Bas Correct	CS_OFFL_SIR_FDM_220170504T024348_20170504T024448_C001		There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_2_20170504T03447_20170504T04905_CO01 Sea State Bas Correction Sea State Bas Correction There is an error with the Sea State Bas Correction for one or more records There is an error with the Sea State Bas Correction for one or more records Sea State Bas Correction, Allimetric Wind Speed Speed State Bas Correction, Allimetric Wind Speed and Sea State Bas Correction, Allimetric Wind Speed Sea State Bas Correction, Allimetric Wind Speed and Sea State Bas Correction, Allimetric Wind Speed Sea State Bas Correction, Allimetric Wind Speed and Sea State Bas Correction, Allimetric Wind Speed Sea State Bas Correction, Allimetric Wind Speed and Sea State Bas Correction Sea State Bas Correction, Allimetric Wind Speed Sea State Bas Correction, Allimetric Wind Speed Sea State Bas Correction, Allimetric Wind Speed and Sea State Bas Correction Sea State Bas Correction, Allimetric Wind Speed Sea State Bas Correction, Allimetric Wi	CS_OFFL_SIR_FDM_220170504T030218_20170504T030537_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
Sea State Bas Correction  Sea State Bas Corr	CS_OFFL_SIR_FDM_220170504T030700_20170504T031410_C001		There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Blas Correction, Altimetric Wind Speed  Sea State Blas Correction, Altimetric Wind Spe	CS_OFFL_SIR_FDM_220170504T034547_20170504T040705_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_2_201705047105125_20170504710503321_C001  Sas State Blas Correction, Altimetric Wind Speed Correction on or one records State Blas Correction, Altimetric Wind Speed Correction on or one records There is an error with the Altimetric Wind Speed And Sas State Blas Correction, Altimetric Wind Speed Correction for one or one records There is an error with the Altimetric Wind Speed And Sas State Blas Correction, Altimetric Wind Speed State Blas Correction for one or one records There is an error with the Altimetric Wind Speed And Sas State Blas Correction for one or one records Correction for one or one records State Blas Correction Altimetric Wind Speed And Sas State Blas Correction for one or one records State Blas Correction for one or one records State Blas Correction Altimetric Wind Speed And Sas State Blas Correction for one or one records State Blas Correction Altimetric Wind Speed And Sas State Blas Correction for one or one records State Blas Correction for one or one records State Blas Correction for one or one records State Blas Correction for Speed And Sas State Blas Correction for one or one records State Blas Correction for Speed And Sas State Blas Correction for one or one records Speed And Sas State Blas Correction for one or one records Speed And Sas State Blas Correction for one or one records Speed And Sas State Blas Correction for one or one records Speed And Sas State Blas Correction for one or one records Speed And Sas State Blas Correction for one or one records Speed And Sas State Blas Correction for one or one records Speed And Sas State Blas Correction for one or one records Speed And Sas State Blas Correction for one or one records Speed And Sas State Blas Correction for one or one records Speed And Sas State Blas Correction for one or one records Speed And Sas State Blas Correction for one or one records Speed And Sas State Blas Correction f	CS_OFFL_SIR_FDM_220170504T042051_20170504T044649_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
So of FL_SIR_FDM_2_20170504106731_20170504709139_0001  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  Sea State Bias Correction  Sea State Bias Correction, Allimetric Wind Speed and Sea State Bias Correction for one or more records  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 All Sea State Bias Correction, Allimetric Wind Speed All Sea State Bias Correction for one or more records  Sea State Bias Correction, Allimetric Wind Speed All Sea State Bias Correction for one or more records  Sea State Bias Correction, Allimetric Wind Speed All Sea State Bias Correction for one or more r	CS_OFFL_SIR_FDM_220170504T052126_20170504T054655_C001		There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
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CS_OFFL_SIR_FDM_2_20170504T094112_0170504T094126_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, Altimetric Wind Speed Correction for one or more records  There is an error with the 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, 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 coords  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more coords  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more coords  There is an error with the Altime	CS_OFFL_SIR_FDM_220170504T073937_20170504T081339_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
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CS_OFFL_SIR_FDM_2_20170504T14822_20170504T15515_C001  Sea State Bias Correction, Altimetric Wind Speed  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, Altimetri	CS_OFFL_SIR_FDM_220170504T094412_20170504T095337_C001		
CS_OFFL_SIR_FDM_2_20170504T118252_20170504T13806_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  CS_OFFL_SIR_FDM_2_20170504T147022_20170504T143212_C001  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  CS_OFFL_SIR_FDM_2_20170504T143351_20170504T143634_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20170504T15914_20170504T143634_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20170504T15914_20170504T162052_C001  Wind Speed  CS_OFFL_SIR_FDM_2_20170504T16750_20170504T162052_C001  Wind Speed  CS_OFFL_SIR_FDM_2_20170504T16750_20170504T164010_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  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  Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed  Correction for one or more records  CS_OFFL_SIR_FDM_2_20170504T184952_20170504T18419_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  CS_OFFL_SIR_FDM_2_20170504T193931_20170504T2194015_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  CS_OFFL_SIR_FDM_2_20170504T210782_20170504T214242_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 B	CS_OFFL_SIR_FDM_220170504T105857_20170504T113155_C001	Wind Speed	
CS_OFFL_SIR_FDM_2_20170504T143504_20170504T140146_C001  CS_OFFL_SIR_FDM_2_20170504T141722_20170504T143212_C001  CS_OFFL_SIR_FDM_2_20170504T143513_2001  CS_OFFL_SIR_FDM_2_20170504T143351_20170504T143634_C001  CS_OFFL_SIR_FDM_2_20170504T143351_20170504T143634_C001  CS_OFFL_SIR_FDM_2_20170504T15914_20170504T154313_C001  CS_OFFL_SIR_FDM_2_20170504T15914_20170504T154313_C001  CS_OFFL_SIR_FDM_2_20170504T164750_20170504T162052_C001  CS_OFFL_SIR_FDM_2_20170504T164750_20170504T180140_C001  CS_OFFL_SIR_FDM_2_20170504T182929_20170504T180140_C001  CS_OFFL_SIR_FDM_2_20170504T184953_20170504T184419_C001  CS_OFFL_SIR_FDM_2_20170504T184953_20170504T194105_C001  CS_OFFL_SIR_FDM_2_20170504T193931_20170504T194105_C001  CS_OFFL_SIR_FDM_2_20170504T193931_20170504T194105_C001  CS_OFFL_SIR_FDM_2_20170504T193931_20170504T194105_C001  CS_OFFL_SIR_FDM_2_20170504T20549_20170504T205623_C001  CS_OFFL_SIR_FDM_2_20170504T20549_20170504T211242_C001  CS_OFFL_SIR_FDM_2_20170504T215715_20170504T215429_C001  CS_OFFL_SIR_FDM_2_20170504T215715_20170504T215429_	CS_OFFL_SIR_FDM_220170504T114822_20170504T115515_C001	Wind Speed	Correction for one or more records
Sea State Bias Correction, Altimetric Wind Speed Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correct	CS_OFFL_SIR_FDM_220170504T123809_20170504T130656_C001	Wind Speed	
Superful Speed Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed 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 correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed correction for one or more records  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  Sea State Bias Correction, Altimetric Wind Speed 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 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 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	CS_OFFL_SIR_FDM_220170504T135043_20170504T140146_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_2_20170504T143351_20170504T154313_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  CS_OFFL_SIR_FDM_2_20170504T165656_20170504T162052_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  CS_OFFL_SIR_FDM_2_20170504T164750_20170504T172205_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 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	CS_OFFL_SIR_FDM_220170504T141722_20170504T143212_C001	Wind Speed	
CS_OFFL_SIR_FDM_2_20170504T151914_20170504T15205_C001  CS_OFFL_SIR_FDM_2_20170504T164750_20170504T172205_C001  CS_OFFL_SIR_FDM_2_20170504T164750_20170504T180140_C001  CS_OFFL_SIR_FDM_2_20170504T182929_20170504T180140_C001  CS_OFFL_SIR_FDM_2_20170504T182929_20170504T184419_C001  CS_OFFL_SIR_FDM_2_20170504T184953_20170504T190119_C001  CS_OFFL_SIR_FDM_2_20170504T184953_20170504T190119_C001  CS_OFFL_SIR_FDM_2_20170504T193931_20170504T190119_C001  CS_OFFL_SIR_FDM_2_20170504T193931_20170504T194105_C001  CS_OFFL_SIR_FDM_2_20170504T20549_20170504T20549_C001  CS_OFFL_SIR_FDM_2_20170504T20549_20170504T205623_C001  CS_OFFL_SIR_FDM_2_20170504T20549_20170504T205623_C001  CS_OFFL_SIR_FDM_2_20170504T20549_20170504T21424_C001  CS_OFFL_SIR_FDM_2_20170504T210708_20170504T21424_C001  CS_OFFL_SIR_FDM_2_20170504T214541_20170504T215429_C001  CS_OFFL_SIR_FDM_2_20170504T215715_20170504T221911_C001  CS_OFFL_SIR_FDM_2_20170504T215715_20170504T2215429_C001  CS_OFFL_SIR_FDM_2_20170504T215715_20170504T2215429_C001  CS_OFFL_SIR_FDM_2_20170504T215715_20170504T2215429_C001  CS_OFFL_SIR_FDM_2_20170504T215715_20170504T2215429_C001  CS_OFFL_SIR_FDM_2_20170504T215715_20170504T2215429_C001  CS_OFFL_SIR_FDM_2_20170504T215715_20170504T2215429_C001  CS_OFFL_SIR_FDM_2_20170504T21571	CS_OFFL_SIR_FDM_220170504T143351_20170504T143634_C001		There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Wind Speed  CS_OFFL_SIR_FDM_2_20170504T164750_20170504T172205_C001  CS_OFFL_SIR_FDM_2_20170504T173556_20170504T180140_C001  CS_OFFL_SIR_FDM_2_20170504T182929_20170504T184419_C001  CS_OFFL_SIR_FDM_2_20170504T182929_20170504T180119_C001  CS_OFFL_SIR_FDM_2_20170504T183931_20170504T190119_C001  CS_OFFL_SIR_FDM_2_20170504T193931_20170504T194105_C001  CS_OFFL_SIR_FDM_2_20170504T20504P_20170504T204015_C001  CS_OFFL_SIR_FDM_2_20170504T20504P_20170504T204015_C001  CS_OFFL_SIR_FDM_2_20170504T20504P_	CS_OFFL_SIR_FDM_220170504T151914_20170504T154313_C001		There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Wind Speed  CS_OFFL_SIR_FDM_2_20170504T182929_20170504T180140_C001  CS_OFFL_SIR_FDM_2_20170504T182929_20170504T184419_C001  CS_OFFL_SIR_FDM_2_20170504T184953_20170504T190119_C001  CS_OFFL_SIR_FDM_2_20170504T193931_20170504T194105_C001  CS_OFFL_SIR_FDM_2_20170504T205349_20170504T205047205047205047215429_C001  CS_OFFL_SIR_FDM_2_20170504T215715_20170504T215429_C001  CS_OFFL_SIR_FDM_2_20170504T215715_20170504T21911_C001  Wind Speed  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  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 Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  CS_OFFL_SIR_FDM_2_20170504T214541_20170504T215429_C001  CS_OFFL_SIR_FDM_2_20170504T215715_20170504T221911_C001  Wind Speed  CS	CS_OFFL_SIR_FDM_220170504T155656_20170504T162052_C001	Wind Speed	
Wind Speed  CS_OFFL_SIR_FDM_2_20170504T182929_20170504T184419_C001  CS_OFFL_SIR_FDM_2_20170504T184953_20170504T190119_C001  CS_OFFL_SIR_FDM_2_20170504T193931_20170504T194105_C001  CS_OFFL_SIR_FDM_2_20170504T20504P_20170504T204015_C001  CS_OFFL_SIR_FDM_2_20170504T20504P_20170504T204015_C001  CS_OFFL_SIR_FDM_2_20170504T20504P_20170504T204015_C001  CS_OFFL_SIR_FDM_2_20170504T20504P_20170504P_20170504P_20170504P_20170504P_20170504P_20170504P_20170504P_20170504P_20170504P_201705	CS_OFFL_SIR_FDM_220170504T164750_20170504T172205_C001	Wind Speed	
CS_OFFL_SIR_FDM_2_20170504T184953_20170504T190119_C001  CS_OFFL_SIR_FDM_2_20170504T193931_20170504T194105_C001  CS_OFFL_SIR_FDM_2_20170504T20504P_20170504T204015_C001  CS_OFFL_SIR_FDM_2_20170504T20504P_20170504P_2017	CS_OFFL_SIR_FDM_220170504T173556_20170504T180140_C001	Wind Speed	
CS_OFFL_SIR_FDM_2_20170504T193931_20170504T194105_C001  CS_OFFL_SIR_FDM_2_20170504T200549_20170504T204015_C001  CS_OFFL_SIR_FDM_2_20170504T20549_20170504T204015_C001  CS_OFFL_SIR_FDM_2_20170504T205328_20170504T205032_C001  CS_OFFL_SIR_FDM_2_20170504T2050328_20170504T205032_C001  CS_OFFL_SIR_FDM_2_20170504T210708_20170504T211242_C001  CS_OFFL_SIR_FDM_2_20170504T210708_20170504T211242_C001  CS_OFFL_SIR_FDM_2_20170504T214541_20170504T215429_C001  CS_OFFL_SIR_FDM_2_20170504T214541_20170504T215429_C001  CS_OFFL_SIR_FDM_2_20170504T215715_20170504T221911_C001  CS_OFFL_SIR_FDM_2_20170504T215715_20170504T221911_C001  Wind Speed  Correction, Altimetric Wind Speed  Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bia Correction, Altimetric Wind Speed  Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bia Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bia Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bia Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bia Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bia Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bia Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bia Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bia Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bia Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bia Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bia Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bia Correctio	CS_OFFL_SIR_FDM_220170504T182929_20170504T184419_C001		
CS_OFFL_SIR_FDM_2_20170504T205349_20170504T205623_C001  CS_OFFL_SIR_FDM_2_20170504T205328_20170504T205623_C001  CS_OFFL_SIR_FDM_2_20170504T20504	CS_OFFL_SIR_FDM_220170504T184953_20170504T190119_C001		There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_2_20170504T205	CS_OFFL_SIR_FDM_220170504T193931_20170504T194105_C001		There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_2_20170504T205328_20170504T21242_C001  CS_OFFL_SIR_FDM_2_20170504T210708_20170504T211242_C001  CS_OFFL_SIR_FDM_2_20170504T214541_20170504T215429_C001  CS_OFFL_SIR_FDM_2_20170504T215715_20170504T215429_C001  CS_OFFL_SIR_FDM_2_20170504T215715_20170504T221911_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  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records	CS_OFFL_SIR_FDM_220170504T200549_20170504T204015_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_2_20170504T210708_20170504T215429_C001  CS_OFFL_SIR_FDM_2_20170504T214541_20170504T215429_C001  CS_OFFL_SIR_FDM_2_20170504T215715_20170504T221911_C001  Wind Speed  Sea State Bias Correction, Altimetric Wind Speed  Sea State Bias Correction, Altimetric Wind Speed  Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias  Correction for one or more records  There is an error with the Altimetric Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed  There is an error with the Altimetric Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias  Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias  Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias  Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias  Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias  Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias  Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias  Correction for one or more records	CS_OFFL_SIR_FDM_220170504T205328_20170504T205623_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
Wind Speed Correction for one or more records  CS_OFFL_SIR_FDM_2_20170504T215715_20170504T221911_C001  Wind Speed Correction, 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, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed	CS_OFFL_SIR_FDM_220170504T210708_20170504T211242_C001		There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_2_2017/05041215715_2017/05041221911_C001  Wind Speed  Correction for one or more records  Sea State Ries Correction, Altimetric  There is an error with the Altimetric Wind Speed and Sea State Ries	CS_OFFL_SIR_FDM_220170504T214541_20170504T215429_C001		There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Rice Correction Altimetric There is an error with the Altimetric Wind Speed and Sea State Rice	CS_OFFL_SIR_FDM_220170504T215715_20170504T221911_C001	-	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_2_20170504T224552_20170504T225454_C001  Wind Speed  Wind Speed	CS_OFFL_SIR_FDM_220170504T224552_20170504T225454_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias

# 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_220170504T030110_20170504T030145_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220170504T180358_20170504T180854_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220170504T194530_20170504T194624_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220170504T212437_20170504T212553_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220170504T230519_20170504T230740_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: 21

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220170504T003126_20170504T004857_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_220170504T012159_20170504T013425_C001		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.

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CS_OFFL_SIR_FDM_220170504T020122_20170504T021145_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_20170504T021325_20170504T022757_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_20170504T030700_20170504T031410_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_20170504T052126_20170504T054655_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_220170504T061725_20170504T063321_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_220170504T065731_20170504T071728_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_220170504T091911_20170504T094126_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_220170504T105857_20170504T113155_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_220170504T123809_20170504T130656_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_220170504T141722_20170504T143212_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_220170504T143351_20170504T143634_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_220170504T151914_20170504T154313_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_220170504T155656_20170504T162052_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_220170504T173556_20170504T180140_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_220170504T182929_20170504T184419_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_220170504T193931_20170504T194105_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_220170504T210708_20170504T211242_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_220170504T215715_20170504T221911_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_220170504T224552_20170504T225454_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.

# 6.7 L2 FDM SWH and Backscatter Measurement Check

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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:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220170504T003126_20170504T004857_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_220170504T012159_20170504T013425_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_220170504T020122_20170504T021145_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_220170504T021325_20170504T022757_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_220170504T030700_20170504T031410_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_220170504T052126_20170504T054655_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_220170504T061725_20170504T063321_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_220170504T065731_20170504T071728_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_220170504T091911_20170504T094126_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_20170504T105857_20170504T113155_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_220170504T123809_20170504T130656_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_20170504T141722_20170504T143212_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_20170504T143351_20170504T143634_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_220170504T151914_20170504T154313_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_220170504T155656_20170504T162052_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_20170504T173556_20170504T180140_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_20170504T182929_20170504T184419_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_20170504T193931_20170504T194105_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_20170504T210708_20170504T211242_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_220170504T215715_20170504T221911_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_20170504T224552_20170504T225454_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.

Test Failed

Description

# 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

CS_OFFL_SIR_FDM_220170504T003126_20170504T004857_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_220170504T010633_20170504T011945_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_220170504T012159_20170504T013425_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_220170504T020122_20170504T021145_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_220170504T021325_20170504T022757_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_20170504T030218_20170504T030537_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_220170504T030700_20170504T031410_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_220170504T034547_20170504T040705_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_20170504T052126_20170504T054655_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_20170504T061725_20170504T063321_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_220170504T065731_20170504T071728_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_20170504T073937_20170504T081339_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_20170504T091911_20170504T094126_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_220170504T102418_20170504T103017_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_220170504T103204_20170504T104437_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_220170504T105857_20170504T113155_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_20170504T115532_20170504T121948_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_220170504T123809_20170504T130656_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_20170504T135043_20170504T140146_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_220170504T141722_20170504T143212_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_20170504T143351_20170504T143634_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_220170504T151041_20170504T151713_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_220170504T151914_20170504T154313_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_220170504T155656_20170504T162052_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_220170504T164750_20170504T172205_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_220170504T173556_20170504T180140_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_220170504T182929_20170504T184419_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_220170504T192251_20170504T193429_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_220170504T193931_20170504T194105_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_220170504T200549_20170504T204015_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_220170504T210708_20170504T211242_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_220170504T214541_20170504T215429_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_220170504T215715_20170504T221911_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_220170504T224552_20170504T225454_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

# 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_	143	143	143	0	0
SIR1SAR_0_	110	110	110	0	0
SIR1SIN_0_	100	100	100	0	0
SIR2SIN_0_	106	106	106	0	0
SIR_FDM_1B	143	143	143	0	0
SIR FDM 2	143	143	143	0	0

SIR_FDM_2	143	143	143	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 re	eports: 0				