



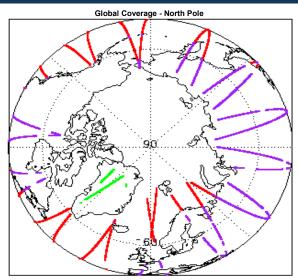
## 1. Overview

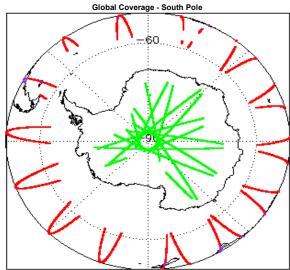
Report Production Date:	28-Jul-2016	
Processor Used:	CryoSat Ice Processor	
Data Used:	L1 and L2 Fast Delivery Marine (FDM)	

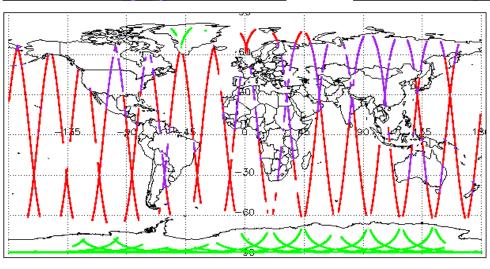
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check	Nominal
Auxiliary Data File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

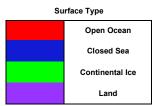
Mission / Instru	ment News
26-Jul-2016	None
27-Jul-2016	None
28-Jul-2016	Nothing planned

# 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_SIR1SAR_020160727T172956_20160727T173215_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020160727T181136_20160727T181645_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_0_20160727T004323_20160727T004718_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020160727T115521_20160727T115807_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020160727T154712_20160727T154940_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020160727T095242_20160727T095304_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020160727T095227_20160727T095239_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_20160727T080258_20160727T080948_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20160727T094615_20160727T094722_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20160727T130439_20160727T130848_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_20160727T051131_20160727T051722_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_20160727T064839_20160727T072219_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_20160727T080258_20160727T080948_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20160727T094615_20160727T094722_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20160727T130439_20160727T130848_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20160727T214049_20160727T214313_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

## 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:

32

SS_OFFL_SIR_FDM_2_20160727100356_2016072710340_C001  Sea State Bias Correction. Altimetric Wind Speed and Sea State Bias Correction From the Altimetric Wind Speed on Sea 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 Wind Speed Correction, Altimetric Wind Speed and Sea State Bias Correction Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed wind Speed Wind Speed Correction, Altimetric Wind Speed Wind	Product	Test Failed	Description
Sc. OFFL_SIR_FDM_2_20160727103267_2016072710340_C001  Sea State Bias Correction  There is a a more with the Sea State Bias Correction from one or more coords  There is a more with the Sea State Bias Correction from one or more coords  There is a more with the Sea State Bias Correction from one or more coords  Sea State Bias Correction, Allmettic Wind Speed  Sea State Bias Correction, Allmettic Wind Speed and Sea State Bias Correction, Allmettic Wind Speed  Sea State Bias Correction, Allmettic Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Allmettic Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Allmettic Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Allmettic Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Allmettic Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Allmettic Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Allmettic Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Allmettic Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Allmettic Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Allmettic Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Allmettic Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Allmettic Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Allmettic Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Allmettic Wind Speed and Sea State Bias Correction for one or more records  Sea Stat		Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_2_20160727T03402_20160727T03401_20160727T034001_20160727T034001_20160727T03401_20160727T034001_20160727T034001_20160727T034001_20160727T034001_20160727T034001_20160727T034001_20160727T034001_20160727T0340001_20160727T0340001_20160727T0340001_20160727T0340001_20160727T0340001_20160727T0340001_20160727T0340001_20160727T0340001_20160727T0340001_20160727T0340001_20160727T0340001_20160727T0340001_20160727T0340001_20160727T03400001_20160727T0340001_20160727T03400001_20160727T0340001_20160727T03400001_20160727T03400001_20160727T03400001_20160727T03400001_20160727T03400001_20160727T03400001_20160727T034000001_20160727T034000001_20160727T034000001_20160727T03400000000000000000000000000000000000			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 From or or nor nor nor nor nor nor nor nor n	CS_OFFL_SIR_FDM_220160727T010027_20160727T013640_C001	Sea State Bias Correction	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 on error records Correction from 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 from error records Correctio	CS_OFFL_SIR_FDM_220160727T015626_20160727T022041_C001		There is an error with the Altimetric Wind Speed and Sea State Bias
So. OFFL_SIR_FDM_2_20160727T035135_0010  Sea State Bias Correction, Altimetric Correction for one or more records  Sea State Bias Correction, Altimetric Correction for one or more records  Sea State Bias Correction, Altimetric Correction for one or more records  Sea State Bias Correction, Altimetric Correction for one or more records  Sea State Bias Correction, Altimetric Correction for one or more records  Sea State Bias Correction, Altimetric Correction	CS_OFFL_SIR_FDM_220160727T023940_20160727T030740_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_2_20160727T041913_20160727T04303_C001  Sea State Bias Correction  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  Sea State Bias Correcti	CS_OFFL_SIR_FDM_220160727T032919_20160727T034517_C001		
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Vinid Speed  CS_OFF_SIR_FDM_2_01607271052005_0160727T052004_C001  Sea State Bias Correction, Allimetric  Wind Speed  Sea State Bias Correction, Allimetric  Win	CS_OFFL_SIR_FDM_220160727T041913_20160727T043303_C001	Sea State Bias Correction	
CS_OFFL_SIR_FDM_2_20160727T052307_20160727T052309_C001  Sea State Bias Correction  Sea State Bias Correction for one or more records  There is an error with the Saes State Bias Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  CS_OFFL_SIR_FDM_2_20160727T098242_40160727T098332_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  CS_OFFL_SIR_FDM_2_20160727T098432_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  CS_OFFL_SIR_FDM_2_20160727T10965432_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  CS_OFFL_SIR_FDM_2_20160727T11600727T104005_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  CS_OFFL_SIR_FDM_2_20160727T11500727T112915_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  CS_OFFL_SIR_FDM_2_20160727T11200509_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  CS_OFFL_SIR_FDM_2_20160727T112020160727T11200509_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  CS_OFFL_SIR_FDM_2_20160727T115014_20160727T1150402_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  CS_OFFL_SIR_FDM_2_20160727T115014_20160727T1150402_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  CS_OFFL_SIR_FDM_2_20160727T11504	CS_OFFL_SIR_FDM_220160727T051131_20160727T051722_C001		
CS_OFFL_SIR_FDM_2_20160727T08309_20160727T083302_C001  Sea State Bias Correction  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed 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_20160727T13258_20160727T132582_4C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed State Bias Correction for one or more records	CS_OFFL_SIR_FDM_220160727T052005_20160727T052304_C001		
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CS_OFFL_SIR_FDM_2_20160727T10944_20160727T1095432_C001  Wind Speed  CS_OFFL_SIR_FDM_2_20160727T109540_20160727T104005_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20160727T115807_20160727T11915_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20160727T1123632_20160727T130059_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20160727T132582_0160727T138224_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20160727T14722_0160727T142947_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20160727T150134_20160727T150631_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20160727T150134_20160727T150462_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20160727T150134_20160727T150402_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20160727T155408_20160727T162407_C001  Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20160727T155408_20160727T162407_C001  Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20160727T175207_20160727T162407_C001  Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20160727T175217_20160727T162407_C001  Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20160727T175240_20160727T165407_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error wit	CS_OFFL_SIR_FDM_220160727T080949_20160727T081522_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_2_20160727T109540_20160727T109645_C001  Sea State Bias Correction Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20160727T129352_20160727T132584_C001  CS_OFFL_SIR_FDM_2_20160727T132258_20160727T135824_C001  CS_OFFL_SIR_FDM_2_20160727T132258_20160727T135824_C001  CS_OFFL_SIR_FDM_2_20160727T132258_20160727T135824_C001  CS_OFFL_SIR_FDM_2_20160727T150134_20160727T150631_C001  CS_OFFL_SIR_FDM_2_20160727T150134_20160727T150631_C001  CS_OFFL_SIR_FDM_2_20160727T150914_20160727T150631_C001  CS_OFFL_SIR_FDM_2_20160727T150408_20160727T150633_C001  CS_OFFL_SIR_FDM_2_20160727T15245_20160727T1760633_C001  CS_OFFL_SIR_FDM_2_20160727T15245_20160727T1760633_C001  CS_OFFL_SIR_FDM_2_20160727T155408_20160727T160633_C001  CS_OFFL_SIR_FDM_2_20160727T155408_20160727T160407_C001  CS_OFFL_SIR_FDM_2_20160727T17541114_20160727T160407_C001  CS_OFFL_SIR_FDM_2_20160727T173215_20160727T17614_C001  Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20160727T173315_20160727T17644_C001  Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20160727T173315_20160727T17644_C001  Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20160727T173315_20160727T17644_C001  Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20160727T133135_20160727T17644_C001  Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20160727T173315_20160727T17644_C001  Sea State Bias Correction, Altimetric Wind S	CS_OFFL_SIR_FDM_220160727T092424_20160727T093332_C001	Wind Speed	Correction for one or more records
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CS_OFFL_SIR_FDM_2_20160727T13632_20160727T130059_C001  Wind 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 and Sea State Bias Correction for one or more records  CS_OFFL_SIR_FDM_2_20160727T141720_20160727T142947_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  CS_OFFL_SIR_FDM_2_20160727T150134_20160727T150631_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  CS_OFFL_SIR_FDM_2_20160727T150914_20160727T150631_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  CS_OFFL_SIR_FDM_2_20160727T150914_20160727T152042_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  CS_OFFL_SIR_FDM_2_20160727T152245_20160727T153726_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  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 Altimetr	CS_OFFL_SIR_FDM_220160727T100641_20160727T104005_C001		records
Wind Speed  CS_OFFL_SIR_FDM_2_20160727T132258_20160727T135824_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  CS_OFFL_SIR_FDM_2_20160727T141720_20160727T142947_C001  Sea State Bias Correction  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 Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  CS_OFFL_SIR_FDM_2_20160727T152445_20160727T153726_C001  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_20160727T155408_20160727T160633_C001  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_20160727T170207_20160727T17614_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 Alti	CS_OFFL_SIR_FDM_220160727T115807_20160727T121915_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_2_20160727T141720_20160727T142947_C001  Sea State Bias Correction  Sea State Bias Correction, Altimetric  Wind Speed  Correction for one or more records  There is an error with the Sea State Bias Correction for one or more records  There is an error with the 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, 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  CS_OFFL_SIR_FDM_2_20160727T170207_20160727T17614_C001  Sea State Bias Correction, Altimetric  Wind Speed  CS_OFFL_SIR_FDM_2_20160727T173215_20160727T175744_C001  Sea State Bias Correction, Altimetric  Wind Speed  CS_OFFL_SIR_FDM_2_20160727T183135_20160727T1185505_C001  Sea State Bias Correction, Altimetric  Wind Speed  CS_OFFL_SIR_FDM_2_20160727T183135_20160727T185505_C001  Sea State Bias Correction, Altimetric  Wind Speed  CS_OFFL_SIR_FDM_2_20160727T183135_20160727T185505_C001  Sea State Bias Correction, Altimetric  Wind Speed  CS_OFFL_SIR_FDM_2_20160727T183136_20160727T185505_C001  Sea State Bias Correction, Altimetric  Wind Speed	CS_OFFL_SIR_FDM_220160727T123632_20160727T130059_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_2_20160727T150134_20160727T150631_C001  CS_OFFL_SIR_FDM_2_20160727T150134_20160727T152042_C001  CS_OFFL_SIR_FDM_2_20160727T150914_20160727T152042_C001  CS_OFFL_SIR_FDM_2_20160727T152245_20160727T153726_C001  CS_OFFL_SIR_FDM_2_20160727T152245_20160727T153726_C001  CS_OFFL_SIR_FDM_2_20160727T155408_20160727T160633_C001  CS_OFFL_SIR_FDM_2_20160727T155408_20160727T160633_C001  CS_OFFL_SIR_FDM_2_20160727T155408_20160727T160633_C001  CS_OFFL_SIR_FDM_2_20160727T1611114_20160727T162407_C001  CS_OFFL_SIR_FDM_2_20160727T170207_20160727T17614_C001  CS_OFFL_SIR_FDM_2_20160727T170207_20160727T17614_C001  CS_OFFL_SIR_FDM_2_20160727T173215_20160727T175744_C001  CS_OFFL_SIR_FDM_2_20160727T183135_20160727T185505_C001  CS_OFFL_SIR_FDM_2_20160727T183135_20160727T185505_C001  CS_OFFL_SIR_FDM_2_20160727T1000914_20160727T203504_C001  CS_OFFL_SIR_FDM_2_20160727T200914_20160727T203504_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20160727T183135_20160727T185505_C001  CS_OFFL_SIR_FDM_2_20160727T183135_20160727T185505_C001  CS_OFFL_SIR_FDM_2_20160727T200914_20160727T203504_C001  Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20160727T183135_20160727T185505_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 Sp	CS_OFFL_SIR_FDM_220160727T132258_20160727T135824_C001		Correction for one or more records
CS_OFFL_SIR_FDM_2_20160727T150134_20160727T15042_C001  Wind Speed  CS_OFFL_SIR_FDM_2_20160727T150914_20160727T15042_C001  Wind Speed  CS_OFFL_SIR_FDM_2_20160727T152245_20160727T153726_C001  CS_OFFL_SIR_FDM_2_20160727T152245_20160727T160633_C001  CS_OFFL_SIR_FDM_2_20160727T161114_20160727T162407_C001  CS_OFFL_SIR_FDM_2_20160727T161114_20160727T162407_C001  CS_OFFL_SIR_FDM_2_20160727T170207_20160727T17614_C001  CS_OFFL_SIR_FDM_2_20160727T170207_20160727T17614_C001  CS_OFFL_SIR_FDM_2_20160727T173155_20160727T17644_C001  CS_OFFL_SIR_FDM_2_20160727T17315_20160727T175744_C001  CS_OFFL_SIR_FDM_2_20160727T17315_20160727T175505_C001  CS_OFFL_SIR_FDM_2_20160727T100914_20160727T185505_C001  CS_OFFL_SIR_FDM_2_20160727T100914_20160727T203504_C001  Wind Speed  Correction, Altimetric Wind Speed  Correction, Altimetric Wind Speed  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 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  Ther	CS_OFFL_SIR_FDM_220160727T141720_20160727T142947_C001		records
CS_OFFL_SIR_FDM_2_20160727T15245_20160727T153726_C001  Wind Speed  CS_OFFL_SIR_FDM_2_20160727T152445_20160727T160633_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 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 an	CS_OFFL_SIR_FDM_220160727T150134_20160727T150631_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_2_20160727T155408_20160727T160633_C001  Wind Speed  CS_OFFL_SIR_FDM_2_20160727T155408_20160727T160633_C001  CS_OFFL_SIR_FDM_2_20160727T161114_20160727T162407_C001  CS_OFFL_SIR_FDM_2_20160727T170207_20160727T171614_C001  CS_OFFL_SIR_FDM_2_20160727T170207_20160727T171614_C001  CS_OFFL_SIR_FDM_2_20160727T173215_20160727T175744_C001  CS_OFFL_SIR_FDM_2_20160727T173215_20160727T175744_C001  CS_OFFL_SIR_FDM_2_20160727T1733135_20160727T185505_C001  CS_OFFL_SIR_FDM_2_20160727T1000914_20160727T203504_C001  Wind Speed  Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Sea State Bias Correction for one or more records  There is an error with the Sea State Bias Correction for one or more records  There is an error with the 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 recor	CS_OFFL_SIR_FDM_220160727T150914_20160727T152042_C001	Wind Speed	Correction for one or more records
Wind Speed  CS_OFFL_SIR_FDM_2_20160727T161114_20160727T162407_C001  Wind Speed  CS_OFFL_SIR_FDM_2_20160727T161114_20160727T17614_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 Sea State Bias Correction for one or more records  There is an error with the Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20160727T183135_20160727T185505_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, Altimetric Wind Speed Sea State Bias Correction for one or more records	CS_OFFL_SIR_FDM_220160727T152245_20160727T153726_C001	Wind Speed	Correction for one or more records
Wind Speed  CS_OFFL_SIR_FDM_2_20160727T170207_20160727T171614_C001  Wind Speed  CS_OFFL_SIR_FDM_2_20160727T170207_20160727T171614_C001  CS_OFFL_SIR_FDM_2_20160727T173215_20160727T175744_C001  CS_OFFL_SIR_FDM_2_20160727T173215_20160727T185505_C001  CS_OFFL_SIR_FDM_2_20160727T183135_20160727T185505_C001  CS_OFFL_SIR_FDM_2_20160727T200914_20160727T203504_C001  CS_OFFL_SIR_FDM_2_20160727T200914_20160727T203504_C001  CS_OFFL_SIR_FDM_2_20160727T213668_20160727T214009_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  CS_OFFL_SIR_FDM_2_20160727T213668_20160727T214009_C001	CS_OFFL_SIR_FDM_220160727T155408_20160727T160633_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_2_20160727T173215_20160727T175744_C001  Sea State Bias Correction  Sea State Bias Correction, Altimetric  CS_OFFL_SIR_FDM_2_20160727T183135_20160727T185505_C001  Sea State Bias Correction, Altimetric  Wind Speed  Sea State Bias Correction, Altimetric  Wind Speed  CS_OFFL_SIR_FDM_2_20160727T200914_20160727T203504_C001  Sea State Bias Correction, Altimetric  Wind Speed  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_220160727T161114_20160727T162407_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_2_20160727T183135_20160727T185505_C001  CS_OFFL_SIR_FDM_2_20160727T183135_20160727T185505_C001  CS_OFFL_SIR_FDM_2_20160727T200914_20160727T203504_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  CS_OFFL_SIR_FDM_2_20160727T200914_20160727T203504_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction, Altimetric	CS_OFFL_SIR_FDM_220160727T170207_20160727T171614_C001		Correction for one or more records
CS_OFFL_SIR_FDM_2_20160727T213636_20160727T203504_C001  Wind Speed  CS_OFFL_SIR_FDM_2_20160727T200914_20160727T203504_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 Bias  Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias  Correction, Altimetric  There is an error with the Altimetric Wind Speed and Sea State Bias			records
CS_OFFL_SIR_FDM_2_20160/2/1200914_20160/2/1203504_C001  Wind Speed Correction for one or more records  CS_OFFL_SIR_FDM_2_20160/2/1200914_20160/2/1203504_C001  Wind Speed Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias		Wind Speed	Correction for one or more records
CS OFFE SIR FDM 2 201607271213626 201607271214029 C001		Wind Speed	Correction for one or more records
will object Sea State Bias Correction, Altimetric  Sea State Bias Correction, Altimetric  There is an error with the Altimetric Wind Speed and Sea State Bias	CS_OFFL_SIR_FDM_220160727T213626_20160727T214029_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_2_20160/2/1220943_20160/2/1221106_C001 Wind Speed Correction for one or more records	CS_OFFL_SIR_FDM_220160727T220943_20160727T221106_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_2_20160727T223034_20160727T230538_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_220160727T223034_20160727T230538_C001		

## 6.5 L2 FDM Measurement Confidence Data Check

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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:

Test Failed Description Product CS\_OFFL\_SIR\_FDM\_2\_20160727T051131\_20160727T051722\_C001 The Echo Rx1 Error flag is set, indicating a degraded raw echo CS\_OFFL\_SIR\_FDM\_2\_\_20160727T064839\_20160727T072219\_C001 Echo error The Echo Rx1 Error flag is set, indicating a degraded raw echo CS\_OFFL\_SIR\_FDM\_2\_\_20160727T080258\_20160727T080948\_C001 Attitude correction missing The attitude has not been corrected CS\_OFFL\_SIR\_FDM\_2\_\_20160727T094615\_20160727T094722\_C001 Attitude correction missing The attitude has not been corrected CS\_OFFL\_SIR\_FDM\_2\_\_20160727T130439\_20160727T130848\_C001 Attitude correction missing The attitude has not been corrected CS\_OFFL\_SIR\_FDM\_2\_\_20160727T214049\_20160727T214313\_C001 Echo error The Echo Rx1 Error flag is set, indicating a degraded raw echo

## 6.6 L2 FDM Range Measurement Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220160727T000556_20160727T001024_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_220160727T023940_20160727T030740_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_220160727T032919_20160727T034517_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.

		The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220160727T035125_20160727T035703_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20160727T051131_20160727T051722_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_20160727T052005_20160727T052304_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_220160727T080949_20160727T081522_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_220160727T092424_20160727T093332_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_220160727T095304_20160727T095432_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_220160727T115807_20160727T121915_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_220160727T123632_20160727T130059_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_220160727T132258_20160727T135824_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_220160727T150914_20160727T152042_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_220160727T152245_20160727T153726_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_220160727T155408_20160727T160633_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_220160727T1611114_20160727T162407_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_220160727T183135_20160727T185505_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_220160727T200914_20160727T203504_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_220160727T213626_20160727T214029_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_220160727T223034_20160727T230538_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.

## 6.7 L2 FDM SWH and Backscatter Measurement Check

CryoSat L2 data includes a SWH-Squared Averaging Status flag (field 39) and an CFI (field 45) and OCOG (field 51) Backscatter Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

20

Number of products with errors: 20		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_220160727T000556_20160727T001024_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_220160727T023940_20160727T030740_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_220160727T032919_20160727T034517_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_220160727T035125_20160727T035703_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_220160727T051131_20160727T051722_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_220160727T052005_20160727T052304_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_220160727T080949_20160727T081522_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_220160727T092424_20160727T093332_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_220160727T095304_20160727T095432_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_220160727T115807_20160727T121915_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_220160727T123632_20160727T130059_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_220160727T132258_20160727T135824_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_220160727T150914_20160727T152042_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_220160727T152245_20160727T153726_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_20160727T155408_20160727T160633_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_220160727T1611114_20160727T162407_C001	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_220160727T183135_20160727T185505_C001	CFI Backscatter Status Flag, SWH	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_220160727T200914_20160727T203504_C001	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_220160727T213626_20160727T214029_C001	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_220160727T223034_20160727T230538_C001	CFI Backscatter Status Flag, SWH	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.

# 6.8 L2 FDM Ocean Retracking Quality Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_2_20160727T000556_20160727T001024_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_220160727T001802_20160727T003109_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_220160727T010027_20160727T013640_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_220160727T014906_20160727T015607_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_220160727T015626_20160727T022041_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_220160727T023940_20160727T030740_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_220160727T032919_20160727T034517_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_220160727T035125_20160727T035703_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_220160727T043443_20160727T043725_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_220160727T051131_20160727T051722_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_220160727T052005_20160727T052304_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_220160727T052307_20160727T054309_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_220160727T055843_20160727T062142_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_220160727T064839_20160727T072219_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_220160727T073806_20160727T080202_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_220160727T080949_20160727T081522_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_220160727T083012_20160727T084511_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_220160727T092424_20160727T093332_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_220160727T095304_20160727T095432_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_220160727T100641_20160727T104005_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_220160727T105910_20160727T111821_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_220160727T114347_20160727T115521_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_220160727T115807_20160727T121915_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_220160727T123632_20160727T130059_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_220160727T130439_20160727T130848_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_220160727T132258_20160727T135824_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_220160727T143036_20160727T144740_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_220160727T150914_20160727T152042_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_220160727T152245_20160727T153726_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_220160727T155408_20160727T160633_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_220160727T161114_20160727T162407_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_220160727T173215_20160727T175744_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_220160727T183135_20160727T185505_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_220160727T200914_20160727T203504_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_220160727T210642_20160727T212433_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_220160727T213626_20160727T214029_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_220160727T223034_20160727T230538_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.