



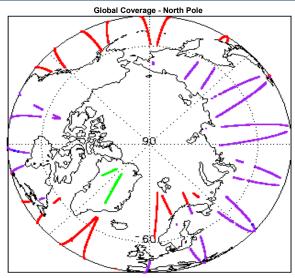
## 1. Overview

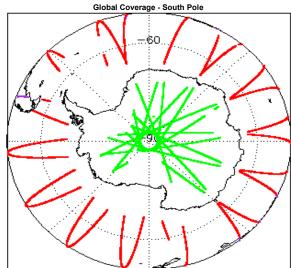
Report Production Date:	08-Apr-2019	
Processor Used:	CryoSat Ice Processor	
Data Used:	L1 and L2 Fast Delivery Marine (FDM)  Mode and L0 Data	

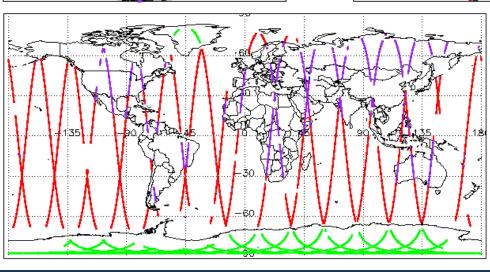
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check	Nominal
Auxiliary Data File 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	ment News
06-Apr-2019	None
07-Apr-2019	None
08-Apr-2019	Nothing planned

## 2. Global Coverage









## 3. Instrument Configuration

The SIRAL instrument configuration for the day of acquisition is provided below.

SIRAL instrument(s) in use:	SIRAL - A
Star Tracker(s) in use:	Star Tracker 1 & 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_020190407T232931_20190407T233118_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020190407T030527_20190407T030944_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020190407T103103_20190407T103300_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020190407T211651_20190407T212318_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020190407T053331_20190407T053410_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020190407T221226_20190407T221532_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS OPER SIR2SIN 0 20190407T144108 20190407T144326 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_20190407T062119_20190407T062138_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20190407T093502_20190407T093621_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:

#### 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_20190407T062119_20190407T062138_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20190407T093502_20190407T093621_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20190407T171940_20190407T175440_C001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo

### 6. Level 2 FDM Data Quality Check

#### 6.1 L2 FDM Product Format Check

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

Number of products with errors:

#### 6.2 L2 FDM Product Header Analysis

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

Number of products with errors:

## 6.3 L2 FDM Auxiliary Data File Usage Check

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

Number of products with errors:

C

### 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:

33

So. GFF_SIR_FINL 2_20190407103193_20190407103192_20190407103193_20190407103192_20	Product	Test Failed	Description
Ses State Bias Correction, Alteredict Wind Speed and Ses State Bias Correction, Alteredict Wind Speed Ses State Bias Cor	CS_OFFL_SIR_FDM_220190407T000746_20190407T001206_C001	Sea State Bias Correction	
Sas State Bias Correction, Allimetric Sas State Bias Correction, Allim	CS_OFFL_SIR_FDM_220190407T001302_20190407T003040_C001		There is an error with the Altimetric Wind Speed and Sea State Bias
SG_OFFL_SIR_FDM_2_20190407T032042_20190407T03308_0001  SG_OFFL_SIR_FDM_2_20190407T039035_20190407T03308_0001  SG_OFFL_SIR_FDM_2_20190407T039035_20190407T03308_0001  SG_OFFL_SIR_FDM_2_20190407T039035_20190407T03308_0001  SG_OFFL_SIR_FDM_2_20190407T039035_20190407T03308_0001  SG_OFFL_SIR_FDM_2_20190407T039035_20190407T03308_0001  SG_OFFL_SIR_FDM_2_20190407T039035_20190407T03330_0001  SG_OFFL_SIR_FDM_2_20190407T039035_20190407T03330_0001  SG_OFFL_SIR_FDM_2_20190407T039035_20190407T03330_0001  SG_OFFL_SIR_FDM_2_20190407T039035_20190407T039035_0001  SG_OFFL_SIR_FDM_2_20190407T039035_20190407T128018_0001  SG_OFFL_SIR_FDM_2_20190407T132036_20190407T128018_0001  SG_OFFL_SIR_FDM_2_20190407T132036_20190407T128018_0001  SG_OFFL_SIR_FDM_2_20190407T132036_20190407T13805_0001  SG_OFFL_SIR_FDM_2_20190407T132036_20190407T13805_0001  SG_OFFL_SIR_FDM_2_20190407T132036_20190407T13805_0001  SG_OFFL_SIR_FDM_2_20190407T132036_20190407T13805_0001  SG_OFFL_SIR_FDM_2_20190407T132036_20190407T13805_0001  SG_OFFL_SIR_FDM_2_20190407T132036_20190407T13805_0001  SG_OFFL_SIR_FDM_2_20190407T132036_20190407T13805_0001  SG_OFFL_SIR_FDM_2_20190407T132036_20190407T13805_0001  SG_OFFL_SIR_FDM_2_20190407T132036_20190407T13805_0001  SG_OFFL_SIR_FDM_2_20190407T13805_20190407T13805_0001  SG_OFFL_SIR_FDM_2_2019	CS_OFFL_SIR_FDM_220190407T015728_20190407T021122_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
Sas State Bias Correction, Attimetry (Wird Speed of Speed and Seas State Bias Correction, Attimetry (Wird Speed and Seas State Bias Correction for one or more records)  Sea State Bias Correction, Attimetry (Wird Speed and Seas State Bias Correction for one or more records)  Sea State Bias Correction, Attimetry (Wird Speed and Seas State Bias Correction for one or more records)  Sea State Bias Correction, Attimetry (Wird Speed and Seas State Bias Correction for one or more records)  Sea State Bias Correction, Attimetry (Wird Speed and Seas State Bias Correction for one or more records)  Sea State Bias Correction, Attimetry (Wird Speed and Seas State Bias Correction for one or more records)  Sea State Bias Correction, Attimetry (Wird Speed and Seas State Bias Correction, Attimetry (Wird Speed an	CS_OFFL_SIR_FDM_220190407T022801_20190407T024338_C001		·
Sea State Bias Correction, Allmetric Wind Speed and Sea State Bias Correction, Allmetric Wind Speed and Sea State Bias Correction Co	CS_OFFL_SIR_FDM_220190407T024540_20190407T025503_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
Sea State Blas Correction, Altimetric Wind Speed and Sea State Blas Correction for one or more records  Sea State Blas Correction for one or more records  There is an error with the Sea State Blas Correction for one or more records  Sea State Blas Correction for Sea State Bla	CS OFFL SIR FDM 2 20190407T032024 20190407T032108 C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
Sea State Bias Correction  Sea State Bias Correction  There is an error with the Sea State Bias Correction for one or more records  Sea State Bias Correction  There is an error with the Sea State Bias Correction for one or more records  Sea State Bias Correction  Sea State Bias Correction  There is an error with the Sea State Bias Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed  Sea State Bias Correction, Altimetric Wind Speed  Sea State Bias Correction, Altimetric Wind Speed  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed  Sea State Bias 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  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Corr	CS_OFFL_SIR_FDM_2_20190407T045941_20190407T050915_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
Sea State Data Correction  CS_OFFL_SIR_FDM_2_2019040/T1094032_20190407T1085109_C001  Sea State Data Correction, Altimetric Wind Speed and Sea State Blas Correction Wind Speed And Sea State Blas Correction Wind Speed And Sea State Blas Correction Sea State Blas Correction, Altimetric Wind Speed And Sea State Blas Correction Wind Speed Wind Speed And Sea State Blas Correction Wind Speed Wind Speed And Sea State Blas Correction Wind Speed Win	CS_OFFL_SIR_FDM_220190407T050935_20190407T053330_C001	·	There is an error with the Sea State Bias Correction for one or more
Sea State Bias Correction. Altimetric Wind Speed and Sea State Bias Correction 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.  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. Altimetr	CS_OFFL_SIR_FDM_220190407T054638_20190407T061158_C001	Sea State Bias Correction	records
Wind Speed  Correction for one or more records  CS_OFFL_SIR_FDM_2_2019040771094145_20190407710332_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  CS_OFFL_SIR_FDM_2_201904077113505_2019040771120340_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  CS_OFFL_SIR_FDM_2_201904077112236_2019040771125134_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  CS_OFFL_SIR_FDM_2_2019040771125151_201904077112558_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  CS_OFFL_SIR_FDM_2_201904077113229_201904077132558_C001  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 Sp	CS_OFFL_SIR_FDM_220190407T064335_20190407T065508_C001	Sea State Bias Correction	
Wind Speed   Correction for one or more records   Correction for one or more record	CS_OFFL_SIR_FDM_220190407T081751_20190407T085139_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_2_20190407T12355_20190407T125851_C001  Sea State Bias Correction  Sea State Bias Correction  Sea State Bias Correction  Sea State Bias Correction  There is an error with the Altimetric Wind Speed and Sea State Bias Correction  There is an error with the Altimetric Wind Speed and Sea State Bias Correction  There is an error with the Altimetric Wind Speed and Sea State Bias Correction  There is an error with the Altimetric Wind Speed and Sea State Bias Correction  There is an error with the Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction, Altimetric Wind Speed And Sea State Bias Correction, Altimetric Wind Speed  Sea State Bias Correction, Altimetric Wind Speed And Sea State Bias Correction, Altimetric Wind Sp	CS_OFFL_SIR_FDM_220190407T094145_20190407T094332_C001		
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CS_OFFL_SIR_FDM_2_20190407T125134_C001  Sea State Bias Correction  Sea State Bias Correction  Sea State Bias Correction  Sea State Bias Correction  Sea State Bias Correction, Altimetric  Wind Speed  CS_OFFL_SIR_FDM_2_20190407T13252_20190407T134820_C001  Sea State Bias Correction, Altimetric  Wind Speed  CS_OFFL_SIR_FDM_2_20190407T134252_20190407T134820_C001  Sea State Bias Correction, Altimetric  Wind Speed  CS_OFFL_SIR_FDM_2_20190407T134552_20190407T134820_C001  Sea State Bias Correction, Altimetric  Wind Speed  CS_OFFL_SIR_FDM_2_20190407T1540552_20190407T15058_C001  Sea State Bias Correction, Altimetric  Wind Speed  CS_OFFL_SIR_FDM_2_20190407T15031_20190407T15058_C001  Sea State Bias Correction, Altimetric  Wind Speed  CS_OFFL_SIR_FDM_2_20190407T164359_20190407T15058_C001  Sea State Bias Correction, Altimetric  Wind Speed  CS_OFFL_SIR_FDM_2_20190407T164359_20190407T161307_C001  Sea State Bias Correction, Altimetric  Wind Speed  CS_OFFL_SIR_FDM_2_20190407T164359_20190407T164359_C001  Sea State Bias Correction, Altimetric  Wind Speed  CS_OFFL_SIR_FDM_2_20190407T164359_20190407T164359_C001  Sea State Bias Correction, Altimetric  Sea State Bias Correction, Altimetric  Wind Speed  CS_OFFL_SIR_FDM_2_20190407T164359_20190407T164350_C001  Sea State Bias Correction, Altimetric  Sea State Bias Correction, Altimetric  Sea State Bias Correction, Altimetric  Wind Speed  CS_OFFL_SIR_FDM_2_20190407T16400_C010407T170400_C010  Sea State Bias Correction, Altimetric  Sea State Bias Correction	CS_OFFL_SIR_FDM_220190407T113505_20190407T120849_C001		
CS_OFFL_SIR_FDM_2_20190407T13233_20190407T13258_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed State Bias Correction, Altimetric Wind Spe	CS_OFFL_SIR_FDM_220190407T122236_20190407T125134_C001	·	There is an error with the Sea State Bias Correction for one or more
S_OFFL_SIR_FDM_2_20190407T13232_20190407T14382_C001  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 Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed Sea State Bias	CS_OFFL_SIR_FDM_220190407T125151_20190407T125851_C001	Sea State Bias Correction	
CS_OFFL_SIR_FDM_2_20190407T142108_20190407T143306_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  CS_OFFL_SIR_FDM_2_20190407T143552_20190407T143654_C001  CS_OFFL_SIR_FDM_2_20190407T15031_20190407T15058_C001  CS_OFFL_SIR_FDM_2_20190407T151238_20190407T15058_C001  CS_OFFL_SIR_FDM_2_20190407T151238_20190407T161058_C001  CS_OFFL_SIR_FDM_2_20190407T160608_20190407T161307_C001  CS_OFFL_SIR_FDM_2_20190407T164059_20190407T16405_C001  CS_OFFL_SIR_FDM_2_20190407T1640608_20190407T164711_C001  CS_OFFL_SIR_FDM_2_20190407T1640608_20190407T1635_C001  CS_OFFL_SIR_FDM_2_20190407T1640608_20190407T164060_C0190407T1640606_C0190407T1640606_C0190407T16406_C0190407T175440_C001  CS_OFFL_SIR_FDM_2_20190407T171400_20190407T175440_C001  CS_OFFL_SIR_FDM_2_20190407T1718036_C0190407T184621_C001  CS_OFFL_SIR_FDM_2_20190407T1718036_C0190407T10635_C001  CS_OFFL_SIR_FDM_2_20190407T1718036_C0190407T10635_C001  CS_OFFL_SIR_FDM_2_20190407T1718036_C0190407T10635_C001  CS_OFFL_SIR_FDM_2_20190407T1718006_C0190407T10635_C001  CS_OFFL_SIR_FDM_2_20190407T1718006_C0190407T10635_C001  CS_OFFL_SIR_FDM_2_20190407T1718006_C0190407T10635_C001  CS_OFFL_SIR_FDM_2_20190407T1718006_C0190407T10635_C001  CS_OFFL_SIR_FDM_2_20190407T1718006_C0190407T10635_C001  CS_OFFL_SIR_FDM_2_20190407T1718006_C0190407T10635_C001  CS_OFFL_SIR_FDM_2_20190407T1718006_C0190407T10635_C001  CS_OFFL_SIR_FDM_2_20190407T195531_20190407T201809_C001  CS_OFFL_SIR_FDM_2_20190407T203813_20190407T201809_C001  CS_OFFL_SIR_FDM_2_20190407T2038	CS_OFFL_SIR_FDM_220190407T131823_20190407T132558_C001		
CS_OFFL_SIR_FDM_2_20190407T143552_20190407T143654_C001  CS_OFFL_SIR_FDM_2_20190407T150031_20190407T151058_C001  CS_OFFL_SIR_FDM_2_20190407T151238_20190407T151058_C001  CS_OFFL_SIR_FDM_2_20190407T151238_20190407T152738_C001  CS_OFFL_SIR_FDM_2_20190407T160608_20190407T161307_C001  CS_OFFL_SIR_FDM_2_20190407T164359_20190407T164711_C001  CS_OFFL_SIR_FDM_2_20190407T164359_20190407T164711_C001  CS_OFFL_SIR_FDM_2_20190407T164359_20190407T164711_C001  CS_OFFL_SIR_FDM_2_20190407T164359_20190407T164711_C001  CS_OFFL_SIR_FDM_2_20190407T164359_20190407T164711_C001  CS_OFFL_SIR_FDM_2_20190407T164306_20190407T176435_C001  CS_OFFL_SIR_FDM_2_20190407T164006_20190407T176440_C001  CS_OFFL_SIR_FDM_2_20190407T164006_20190407T175440_C001  CS_OFFL_SIR_FDM_2_20190407T182036_20190407T184621_C001  CS_OFFL_SIR_FDM_2_20190407T18531_20190407T201809_C001  CS_OFFL_SIR_FDM_2_20190407T18531_20190407T211302_C001  CS_OFFL_SIR_FDM_2_20190407T203813_20190407T211302_C001  CS_OFFL_SIR_FDM_2_20190407T203813_20190407T211302_C001  CS_OFFL_SIR_FDM_2_20190407T214629_20190407T215549_C001  CS_OFFL_SIR_FDM_2_20190407T21743_20190407T215549_C001  CS_OFFL_SIR_FDM_2_20190407T21743_20190407T21403_C001  CS_OFFL_SIR_FDM_2_20190407T21743_20190407T215549_C001  CS_OFFL_SIR_FDM_2_20190407T21743_20190407T215549_C001  CS_OFFL_SIR_FDM_2_20190407T21743_20190407T215549_C001  CS_OFFL_SIR_FDM_2_20190407T21743_20190407T215549_C001  CS_OFFL_SIR_FDM_2_20190407T21743_20190407T215549_C001  CS_OFFL_SIR_FDM_2_20190407T21743_20190407T224034_C001  CS_OFFL_SIR_FDM_2_20190407T21743_20190407T224034_C001  CS_OFFL_SIR_FDM_2_20190407T21743_20190407T224034_C001  CS_OFFL_SIR_FDM_2_20190407T21743_20190407T224034_C001  CS_OFFL_SIR_FDM_2_20190407T21743_20190407T224034_C001  CS_OFFL_SIR_FDM_2_20190407T21743_20190407T224034_C001  CS_OFFL_SIR_FDM_2_20190407T21743_20190407T215549_C001  CS_OFFL_SIR_FDM_2_20190407T21743_20190407T215549_C001  CS_OFFL_SIR_FDM_2_20190407T21743_20190407T215549_C001  CS_OFFL_SIR_FDM_2_20190407T21743_20190407T215549_C001  CS_OFFL_SIR_FDM_2_20190407T21743_20190407T215549_C	CS_OFFL_SIR_FDM_220190407T133229_20190407T134820_C001		
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CS_OFFL_SIR_FDM_2_20190407T164359_20190407T164711_C001  Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20190407T171940_20190407T170635_C001  CS_OFFL_SIR_FDM_2_20190407T171940_20190407T175440_C001  CS_OFFL_SIR_FDM_2_20190407T182036_20190407T184621_C001  CS_OFFL_SIR_FDM_2_20190407T195531_20190407T201809_C001  CS_OFFL_SIR_FDM_2_20190407T19531_20190407T201809_C001  CS_OFFL_SIR_FDM_2_20190407T203813_20190407T211302_C001  CS_OFFL_SIR_FDM_2_20190407T203813_20190407T215549_C001  CS_OFFL_SIR_FDM_2_20190407T214629_20190407T224034_C001  CS_OFFL_SIR_FDM_2_20190407T2217332_20190407T224034_C001  CS_OFFL_SIR_FDM_2_20190407T2217332_20190407T224034_C001  CS_OFFL_SIR_FDM_2_20190407T2217332_20190407T224034_C001  CS_OFFL_SIR_FDM_2_20190407T2217332_20190407T224034_C001  CS_OFFL_SIR_FDM_2_20190407T231233_20190407T224034_C001  CS_OFFL_SIR_FDM_2_20190407T231233_20190407T231338_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	CS_OFFL_SIR_FDM_220190407T160608_20190407T161307_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_2_20190407T164906_20190407T170635_C001  Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20190407T171940_20190407T175440_C001  Sea State Bias Correction  Sea State Bias Correction  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 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 Altimetr	CS_OFFL_SIR_FDM_220190407T164359_20190407T164711_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_2_20190407T182036_20190407T201809_C001  CS_OFFL_SIR_FDM_2_20190407T195531_20190407T201809_C001  CS_OFFL_SIR_FDM_2_20190407T203813_20190407T211302_C001  CS_OFFL_SIR_FDM_2_20190407T203813_20190407T211302_C001  CS_OFFL_SIR_FDM_2_20190407T214629_20190407T215549_C001  CS_OFFL_SIR_FDM_2_20190407T214629_20190407T215549_C001  CS_OFFL_SIR_FDM_2_20190407T221743_20190407T224034_C001  CS_OFFL_SIR_FDM_2_20190407T221743_20190407T224034_C001  CS_OFFL_SIR_FDM_2_20190407T221743_20190407T224034_C001  CS_OFFL_SIR_FDM_2_20190407T221743_20190407T224034_C001  CS_OFFL_SIR_FDM_2_20190407T221743_20190407T224034_C001  CS_OFFL_SIR_FDM_2_20190407T221743_20190407T224034_C001  CS_OFFL_SIR_FDM_2_20190407T221743_20190407T231338_C001  CS_OFFL_SIR_FDM_2_20190407T231233_20190407T231338_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 er	CS_OFFL_SIR_FDM_220190407T164906_20190407T170635_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_2_20190407T195531_20190407T201809_C001  CS_OFFL_SIR_FDM_2_20190407T203813_20190407T211302_C001  CS_OFFL_SIR_FDM_2_20190407T203813_20190407T211302_C001  CS_OFFL_SIR_FDM_2_20190407T214629_20190407T215549_C001  CS_OFFL_SIR_FDM_2_20190407T214629_20190407T224034_C001  CS_OFFL_SIR_FDM_2_20190407T221743_20190407T224034_C001  CS_OFFL_SIR_FDM_2_20190407T221743_20190407T224034_C001  CS_OFFL_SIR_FDM_2_20190407T221743_20190407T224034_C001  CS_OFFL_SIR_FDM_2_20190407T221743_20190407T224034_C001  CS_OFFL_SIR_FDM_2_20190407T221743_20190407T224034_C001  CS_OFFL_SIR_FDM_2_20190407T221743_20190407T224034_C001  CS_OFFL_SIR_FDM_2_20190407T221743_20190407T224034_C001  CS_OFFL_SIR_FDM_2_20190407T231233_20190407T231338_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, Altimetric Wind Speed and Sea State Bias Correction for one or more records	CS_OFFL_SIR_FDM_220190407T171940_20190407T175440_C001	·	There is an error with the Sea State Bias Correction for one or more
Wind Speed  CS_OFFL_SIR_FDM_2_20190407T203813_20190407T211302_C001  CS_OFFL_SIR_FDM_2_20190407T214629_20190407T215549_C001  CS_OFFL_SIR_FDM_2_20190407T2214629_20190407T215549_C001  CS_OFFL_SIR_FDM_2_20190407T221743_20190407T224034_C001  CS_OFFL_SIR_FDM_2_20190407T221743_20190407T224034_C001  CS_OFFL_SIR_FDM_2_20190407T221743_20190407T224034_C001  CS_OFFL_SIR_FDM_2_20190407T221743_20190407T224034_C001  CS_OFFL_SIR_FDM_2_20190407T221743_20190407T224034_C001  CS_OFFL_SIR_FDM_2_20190407T231233_20190407T231338_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	CS_OFFL_SIR_FDM_220190407T182036_20190407T184621_C001		
CS_OFFL_SIR_FDM_2_20190407T221743_20190407T215549_C001  CS_OFFL_SIR_FDM_2_20190407T221743_20190407T22549_C001  CS_OFFL_SIR_FDM_2_20190407T221743_20190407T224034_C001  CS_OFFL_SIR_FDM_2_20190407T221743_20190407T224034_C001  CS_OFFL_SIR_FDM_2_20190407T221743_20190407T224034_C001  CS_OFFL_SIR_FDM_2_20190407T221743_20190407T224034_C001  CS_OFFL_SIR_FDM_2_20190407T221743_20190407T224034_C001  CS_OFFL_SIR_FDM_2_20190407T231233_20190407T231338_C001  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	CS_OFFL_SIR_FDM_220190407T195531_20190407T201809_C001		·
Wind Speed  CS_OFFL_SIR_FDM_2_20190407T221743_20190407T224034_C001  Wind Speed  CS_OFFL_SIR_FDM_2_20190407T221743_20190407T224034_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  CS_OFFL_SIR_FDM_2_20190407T231233_20190407T231338_C001  Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias  There is an error with the Altimetric Wind Speed and Sea State Bias  There is an error with the Altimetric Wind Speed and Sea State Bias	CS_OFFL_SIR_FDM_220190407T203813_20190407T211302_C001		
Wind Speed Correction for one or more records  CS_OFFL_SIR_FDM_2_2019040/1221/43_2019040/1224034_C001  Wind Speed Correction, Altimetric Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias	CS_OFFL_SIR_FDM_220190407T214629_20190407T215549_C001		
CS OFFI SIR FDM 2 20100407T231233 20100407T231338 C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias	CS_OFFL_SIR_FDM_220190407T221743_20190407T224034_C001		
	CS_OFFL_SIR_FDM_220190407T231233_20190407T231338_C001	•	
CS_OFFL_SIR_FDM_2_20190407T233118_20190407T234431_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_220190407T233118_20190407T234431_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_220190407T062119_20190407T062138_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220190407T093502_20190407T093621_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220190407T171940_20190407T175440_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_220190407T001302_20190407T003040_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_220190407T015728_20190407T021122_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_220190407T022801_20190407T024338_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_220190407T024540_20190407T025503_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.

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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
	CFI Retracked Range Flag  CFI Retracked Range Flag

## 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: 19

Product	Test Failed	Description
CS_OFFL_SIR_FDM_2_20190407T001302_20190407T003040_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_20190407T015728_20190407T021122_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_20190407T022801_20190407T024338_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_20190407T024540_20190407T025503_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_20190407T032024_20190407T032108_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_20190407T045941_20190407T050915_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_20190407T081751_20190407T085139_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_20190407T095654_20190407T103103_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_20190407T133229_20190407T134820_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_20190407T150031_20190407T151058_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_20190407T151238_20190407T152738_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_20190407T160608_20190407T161307_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_20190407T164359_20190407T164711_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_20190407T182036_20190407T184621_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_20190407T195531_20190407T201809_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_20190407T214629_20190407T215549_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_20190407T221743_20190407T224034_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_220190407T231233_20190407T231338_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.
	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.

## 6.8 L2 FDM Ocean Retracking Quality Check

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

Number of products with errors:

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Product	Test Failed	Description
		Description The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_2_20190407T000746_20190407T001206_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_2_20190407T001302_20190407T003040_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_220190407T003340_20190407T003451_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_220190407T015728_20190407T021122_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220190407T022801_20190407T024338_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_220190407T024540_20190407T025503_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_220190407T032024_20190407T032108_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_20190407T032256_20190407T033407_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_220190407T045941_20190407T050915_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_220190407T050935_20190407T053330_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_220190407T054638_20190407T061158_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_220190407T064335_20190407T065508_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_220190407T072524_20190407T075341_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_220190407T081751_20190407T085139_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_220190407T090413_20190407T091036_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_220190407T095654_20190407T103103_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_220190407T113505_20190407T120849_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_20190407T133039_20190407T133157_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_220190407T133229_20190407T134820_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_220190407T140603_20190407T141853_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_220190407T142108_20190407T143306_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_220190407T150031_20190407T151058_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_220190407T151238_20190407T152738_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_220190407T155211_20190407T155447_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_220190407T160208_20190407T160445_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_220190407T160608_20190407T161307_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_220190407T164359_20190407T164711_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_220190407T164906_20190407T170635_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_220190407T171940_20190407T175440_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_220190407T182036_20190407T184621_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_220190407T195531_20190407T201809_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_220190407T203813_20190407T211302_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_220190407T214629_20190407T215549_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_220190407T215632_20190407T220525_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_220190407T221743_20190407T224034_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_2_20190407T224320_20190407T225241_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_220190407T231233_20190407T231338_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_2_20190407T233118_20190407T234431_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean
OO_OTTL_OHN_L DINI_ZZ01904071233110_Z01904071234431_OU01	Occan Netracking Quality Flag	Retracker was not successfully executed for one or more records.

# 7. QCC Report Analysis

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

Product type	Nb. Products	Nb. QCC Reports	Nb. Valid	Nb. Warnings	Nb. Errors
SIR1LRM_0_	160	160	160	0	0
SIR1SAR_0_	107	107	107	0	0
SIR1SIN_0_	100	100	100	0	0
SIR2SIN_0_	103	103	103	0	0
SIR_FDM_1B	160	160	160	0	0
SIR FDM 2	153	153	153	0	0

SIR_FDM_2	153	153	153	0	0
7.1 QCC Errors					
Number of QCC reports with errors:	0				
7.2 QCC Warnings					
Number of QCC reports with warnings	0				
7.3 Missing QCC Reports					
Number of products with missing QCC r	eports: 0				