



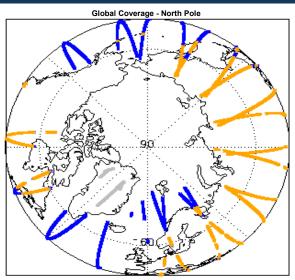
## 1. Overview

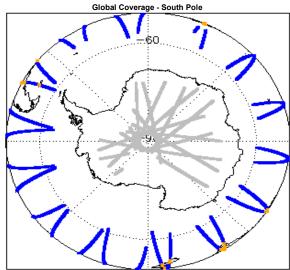
Report Production Date:	23-Nov-2015	
Processor Used:	CryoSat Ice Processor	
Data Used:	L1 and L2 Fast Delivery Marine (FDM)	

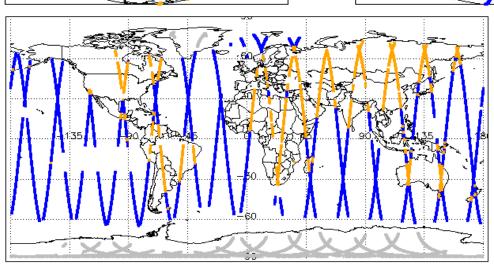
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check	Nominal
Auxiliary Data File Usage Check	See Section 5.5 and 6.3
Auxiliary Correction Error Check	See Section 5.6 and 6.4
Measurement Confidence Data Check	See Section 5.7, 6.6, 6.7 and 6.8

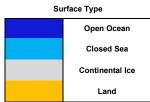
Mission / Instr	Mission / Instrument News		
19-Nov-2015	None		
20-Nov-2015	None		
21-Nov-2015	Nothing planned		

# 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_020151120T064411_20151120T064916_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020151120T172451_20151120T172657_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020151120T070926_20151120T070941_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020151120T150445_20151120T150605_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:

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### 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_20151120T010905_20151120T014143_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20151120T194559_20151120T195245_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20151120T212819_20151120T212935_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20151120T230754_20151120T230818_C001	No Star Tracker file used in the processing of this product

#### 5.4 L1B FDM Calibration Usage Check

Each product is checked in order to ensure the necessary calibration files have been used in processing.

Number of products with errors: 0

#### 5.5 L1B FDM Auxilary Data File Usage Check

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

Number of products with errors: 5

Product	AUX File	Comment
All FDM_1B products up to 20151120T055851 (55 products)	CS_OPER_AUXISURFPS_20151120T000000_2 0151120T000000_0001	Auxiliary File AUXISEAMPS missing at time of processing

#### 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

Product	Test Failed	Description
All FDM_1B products up to 20151120T055851 (55 products)		Due to a missing Forecast Auxiliary Files there is an error with the Dry Tropospheric, Wet Tropospheric and Inverse Barometric Corrections

### 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_20151120T010905_20151120T014143_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20151120T015616_20151120T022415_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_20151120T043202_20151120T044135_C001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_FDM_1B_20151120T101330_20151120T101552_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_20151120T194559_20151120T195245_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20151120T212819_20151120T212935_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20151120T230754_20151120T230818_C001	Attitude correction missing	The attitude has not been corrected

### 6. Level 2 FDM Data Quality Check

#### 6.1 L2 FDM Product Format Check

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

### 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:

Product	AUX File	Comment
All FDM_2 products up to 20151120T055851 (55 products)	CS_OPER_AUXISURFPS_20151120T000000_2 0151120T000000_0001	Auxiliary File AUXISEAMPS missing at time of processing

### 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:

Product	Test Failed	Description
All FDM_2 products up to 20151120T055851 (55 products)	Dry tropospheric correction, Wet tropospheric correction, Inverse barometric correction, U-wind and V-wind component errors	Due to a missing Forecast Auxiliary File there is an error with the Dry Tropospheric, Wet Tropospheric and Inverse Barometric Corrections and the U-Wind and V-Wind components of the ECMWF Wind Model vectors.
CS_OFFL_SIR_FDM_220151120T000217_20151120T000231_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_220151120T001720_20151120T002758_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220151120T010905_20151120T014143_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_220151120T014143_20151120T014246_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_220151120T015616_20151120T022415_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_220151120T022418_20151120T023105_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_220151120T030334_20151120T032023_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_220151120T033517_20151120T033546_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_220151120T033849_20151120T035319_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_220151120T035522_20151120T041016_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_220151120T042633_20151120T043146_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220151120T043202_20151120T044135_C001	Wind Speed Sea State Bias Correction, Altimetric Wind Speed	Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220151120T044410_20151120T045646_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_2_20151120T045810_20151120T050026_C001	Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS OFFL SIR FDM 2 20151120T062205 20151120T063020 C001	Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220151120T070942_20151120T072751_C001	Wind Speed Sea State Bias Correction, Mean Sea	Correction for one or more records There is an error with the Altimetric Wind Speed, Sea State Bias
CS_OFFL_SIR_FDM_220151120T083414_20151120T090701_C001	Surface height, Altimetric Wind Speed Sea State Bias Correction, Altimetric	Correction and Mean Sea Surface height for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_2_20151120T100922_20151120T101208_C001	Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_2_20151120T101901_20151120T102138_C001	Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_2_20151120T104211_20151120T104339_C001	Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220151120T110302_20151120T112401_C001	Wind Speed Sea State Bias Correction	Correction for one or more records There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220151120T114835_20151120T115128_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_220151120T115921_20151120T122429_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_220151120T124147_20151120T131531_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_220151120T131534_20151120T131749_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_220151120T142136_20151120T143645_C001	Sea State Bias Correction, Altimetric Wind Speed	Correction for one or more records  Correction for one or more records
CS_OFFL_SIR_FDM_220151120T143649_20151120T143821_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220151120T145246_20151120T145406_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 for one or more records
CS_OFFL_SIR_FDM_220151120T151015_20151120T152702_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_220151120T152916_20151120T154354_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_220151120T160016_20151120T161525_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_220151120T161725_20151120T162659_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_220151120T165030_20151120T170615_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_220151120T175844_20151120T180210_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_220151120T183814_20151120T184741_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220151120T192010_20151120T194228_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_220151120T194238_20151120T194403_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_220151120T201551_20151120T202654_C001	Sea State Bias Correction, Altimetric Wind Speed	Correction for one or more records  Correction for one or more records
CS_OFFL_SIR_FDM_220151120T203224_20151120T204158_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
	Tina opoca	Section of the or more records

CS_OFFL_SIR_FDM_220151120T205911_20151120T212624_C001		There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220151120T213323_20151120T213603_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220151120T223855_20151120T224222_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_220151120T230155_20151120T230425_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220151120T233952_20151121T000122_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records

### 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

0

### 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.

Test Failed

Description

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_2_20151120T010905_20151120T014143_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_20151120T015616_20151120T022415_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_20151120T022418_20151120T023105_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_20151120T030334_20151120T032023_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_20151120T033849_20151120T035319_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_20151120T035522_20151120T041016_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_20151120T042633_20151120T043146_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_20151120T043202_20151120T044135_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_20151120T044410_20151120T045646_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_20151120T062205_20151120T063020_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_20151120T070942_20151120T072751_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_20151120T083414_20151120T090701_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_20151120T100922_20151120T101208_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_20151120T115921_20151120T122429_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_20151120T124147_20151120T131531_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_20151120T131534_20151120T131749_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_20151120T142136_20151120T143645_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_20151120T143649_20151120T143821_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_20151120T145246_20151120T145406_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_20151120T151015_20151120T152702_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_20151120T152916_20151120T154354_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_20151120T160016_20151120T161525_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_20151120T161725_20151120T162659_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_20151120T165030_20151120T170615_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_20151120T194238_20151120T194403_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_20151120T201551_20151120T202654_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_20151120T205911_20151120T212624_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:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220151120T010905_20151120T014143_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_220151120T015616_20151120T022415_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_220151120T022418_20151120T023105_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_220151120T030334_20151120T032023_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_220151120T033849_20151120T035319_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_220151120T035522_20151120T041016_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_220151120T042633_20151120T043146_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_220151120T043202_20151120T044135_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_220151120T044410_20151120T045646_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_220151120T062205_20151120T063020_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_220151120T070942_20151120T072751_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_220151120T083414_20151120T090701_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_220151120T100922_20151120T101208_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_220151120T115921_20151120T122429_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_220151120T124147_20151120T131531_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_220151120T131534_20151120T131749_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_220151120T142136_20151120T143645_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_220151120T143649_20151120T143821_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_220151120T145246_20151120T145406_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_220151120T151015_20151120T152702_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_220151120T152916_20151120T154354_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_220151120T160016_20151120T161525_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_220151120T161725_20151120T162659_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_220151120T165030_20151120T170615_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_220151120T194238_20151120T194403_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_220151120T201551_20151120T202654_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_220151120T205911_20151120T212624_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.

### 6.8 L2 FDM Ocean Retracking Quality Check

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

Number of products with errors: 48

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220151120T001720_20151120T002758_C001		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_220151120T002907_20151120T004636_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_220151120T004647_20151120T005148_C001		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_220151120T010905_20151120T014143_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_20151120T015616_20151120T022415_C001		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_22	20151120T022418_20151120T023105_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully executed in the control of t
CS_OFFL_SIR_FDM_22	20151120T030334_20151120T032023_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully exec
CS_OFFL_SIR_FDM_22	20151120T033849_20151120T035319_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully exec
CS_OFFL_SIR_FDM_22	20151120T035522_20151120T041016_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully exec
CS_OFFL_SIR_FDM_2_2	20151120T042633_20151120T043146_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully exec
CS_OFFL_SIR_FDM_2_2	20151120T043202_20151120T044135_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully exec
CS_OFFL_SIR_FDM_2_2	20151120T044410_20151120T045646_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully exec
CS_OFFL_SIR_FDM_2_2	20151120T045810_20151120T050026_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully exec
CS_OFFL_SIR_FDM_2_2	20151120T062051_20151120T062202_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully exec
CS_OFFL_SIR_FDM_2_2	20151120T062205_20151120T063020_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully exec
CS_OFFL_SIR_FDM_2_2	20151120T070942_20151120T072751_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully exec
CS_OFFL_SIR_FDM_2_2	20151120T074349_20151120T075434_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully exec
CS_OFFL_SIR_FDM_2_2	20151120T080005_20151120T081142_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully exec
CS_OFFL_SIR_FDM_2_2	20151120T083414_20151120T090701_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully exec
CS_OFFL_SIR_FDM_2_2	20151120T093812_20151120T095705_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully exec
CS_OFFL_SIR_FDM_2_2	20151120T100922_20151120T101208_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully exec
CS_OFFL_SIR_FDM_2_2	20151120T101901_20151120T102138_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully exec
CS_OFFL_SIR_FDM_2_2	20151120T110302_20151120T112401_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully exec
CS_OFFL_SIR_FDM_22	20151120T115921_20151120T122429_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully exec
CS_OFFL_SIR_FDM_2_2	20151120T124147_20151120T131531_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully exec
CS_OFFL_SIR_FDM_22	20151120T131534_20151120T131749_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully exec
CS_OFFL_SIR_FDM_2_2	20151120T142136_20151120T143645_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully exec
CS_OFFL_SIR_FDM_2_2	20151120T143649_20151120T143821_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully exec
CS_OFFL_SIR_FDM_2_2	20151120T144303_20151120T145242_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully exec
CS_OFFL_SIR_FDM_2_2	20151120T145246_20151120T145406_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully exec
CS_OFFL_SIR_FDM_22	20151120T151015_20151120T152702_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully exec
CS_OFFL_SIR_FDM_22	20151120T152916_20151120T154354_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully executed in the control of t
CS_OFFL_SIR_FDM_22	20151120T160016_20151120T161525_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully exec
CS_OFFL_SIR_FDM_22	20151120T161725_20151120T162659_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully exec
CS_OFFL_SIR_FDM_22	20151120T165030_20151120T170615_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully exec
CS_OFFL_SIR_FDM_22	20151120T174023_20151120T175628_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully exec
CS_OFFL_SIR_FDM_22	20151120T183027_20151120T183650_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully exec
CS_OFFL_SIR_FDM_2_2	20151120T183814_20151120T184741_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully exec
CS_OFFL_SIR_FDM_22	20151120T185310_20151120T190356_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully executed in the control of t
CS_OFFL_SIR_FDM_22	20151120T192010_20151120T194228_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully executed in the control of t
CS_OFFL_SIR_FDM_2_2	20151120T194238_20151120T194403_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully exec
CS_OFFL_SIR_FDM_2_2	20151120T201551_20151120T202654_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully exec
CS_OFFL_SIR_FDM_2_2	20151120T205911_20151120T212624_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully exec
CS_OFFL_SIR_FDM_22	20151120T213323_20151120T213603_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully executed in the control of t
CS_OFFL_SIR_FDM_2_2	20151120T214856_20151120T222124_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully exec
CS_OFFL_SIR_FDM_2_2	20151120T230155_20151120T230425_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully exec
CS_OFFL_SIR_FDM_2_2	20151120T232803_20151120T233707_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully exec
CS_OFFL_SIR_FDM_2_2	20151120T233952_20151121T000122_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag i Retracker was not successfully exec
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