

Report Production Date:

Processor Used:

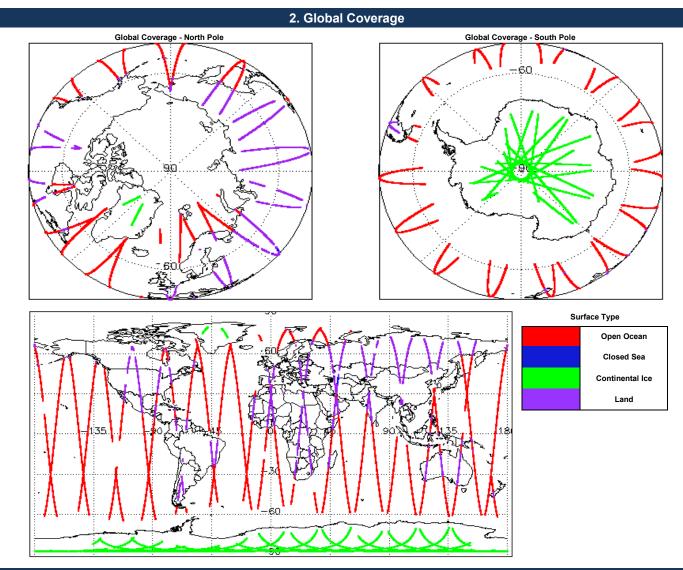
Data Used:

# IDEAS+ Daily Report for FDM data:

# 12/08/2016

1. Overview		
15-Aug-2016	Check	Status
15-Aug-2016	Server check: science-pds.cryosat.esa.int	Nominal
CryoSat Ice Processor	Server check: calval-pds.cryosat.esa.int	Nominal
Cryosal ice Processor	Product Software Check	Nominal
L1 and L2 Fast Delivery Marine (FDM)	Product Format Check	Nominal
Mode and L0 Data	Product Header Analysis	See Section 4.2

Data	Mode and L0 Data		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				
11-Aug-2016	None				
12-Aug-2016	None				
13-Aug-2016	Nothing planned				



# 3. Instrument Configuration

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

SIRAL - A
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).

0

Number of products with errors:

### 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: 5

Product	Test Failed
CS_OPER_SIR1SAR_020160812T041407_20160812T042059_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020160812T215246_20160812T215703_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020160812T230033_20160812T230333_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020160812T152734_20160812T153343_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020160812T133946_20160812T134123_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.

# 5. Level 1B FDM Data Quality Check

### 5.1 L1B FDM Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a binary product file (.DBL). Number of products with errors: 0

#### 5.2 L1B FDM Product Header Analysis

For all products, a series of pre-defined checks are carried out on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. Number of products with errors: 0

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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: 3				
Product	Test Failed			
CS_OFFL_SIR_FDM_1B_20160812T061227_20160812T061318_C001	No Star Tracker file used in the processing of this product			
CS_OFFL_SIR_FDM_1B_20160812T092616_20160812T092747_C001	No Star Tracker file used in the processing of this product			
CS_OFFL_SIR_FDM_1B_20160812T124259_20160812T125031_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.

0

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: 0

# 5.6 L1B FDM Auxiliary Correction Error Check

CryoSat L1B data includes a correction error flag (field 54) for each measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

## 5.7 L1B FDM Measurement Confidence Data Check

CryoSat L1B data includes a measurement confidence flag (field 18) for each measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors: 4				
Product	Test Failed	Description		
CS_OFFL_SIR_FDM_1B_20160812T061227_20160812T061318_C001	Attitude correction missing	The attitude has not been corrected		
CS_OFFL_SIR_FDM_1B_20160812T092616_20160812T092747_C001	Attitude correction missing	The attitude has not been corrected		
CS_OFFL_SIR_FDM_1B_20160812T124259_20160812T125031_C001	Attitude correction missing	The attitude has not been corrected		
CS_OFFL_SIR_FDM_1B_20160812T212156_20160812T212548_C001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo		

# 6. Level 2 FDM Data Quality Check

#### 6.1 L2 FDM Product Format Check

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

Number of products with errors:

#### 6.2 L2 FDM Product Header Analysis

For all products, a series of pre-defined checks are carried out on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. Number of products with errors: 0

### 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:
0

#### 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
CS OFFL SIR FDM 2 20160811T235907 20160812T002159 C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
C3_OFFL_3IK_FDM_2201006111233907_201006121002139_C001	Wind Speed	Correction for one or more records
CS OFFL SIR FDM 2 20160812T004119 20160812T011707 C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
C3_011E_31K_1DM_2201000121004119_201000121011701_0001	Wind Speed	Correction for one or more records

CS\_OFFL\_SIR\_FDM\_2\_\_20160812T023705\_20160812T024627\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T030814\_20160812T032549\_C001 CS OFFL SIR FDM 2 20160812T035946 20160812T041407 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T044828\_20160812T045043\_C001 CS OFFL SIR FDM 2 20160812T045207 20160812T052342 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T063758\_20160812T064629\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T065205\_20160812T070242\_C001 CS OFFL SIR FDM 2 20160812T071846 20160812T074507 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T074940\_20160812T075636\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T080932\_20160812T084015\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T094759\_20160812T102038\_C001 CS OFFL SIR FDM 2 20160812T112421 20160812T115927 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T121706\_20160812T124238\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T132201\_20160812T133856\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T141228\_20160812T143118\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T145151\_20160812T145814\_C001 CS OFFL SIR FDM 2 20160812T145817 20160812T150122 C001 CS OFFL SIR FDM 2 20160812T150324 20160812T150355 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T150359\_20160812T151754\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T160604\_20160812T160821\_C001 CS OFFL SIR FDM 2 20160812T160829 20160812T160840 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T164110\_20160812T165648\_C001 CS OFFL SIR FDM 2 20160812T171243 20160812T173657 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T181120\_20160812T183547\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T193932\_20160812T194554\_C001 CS OFFL SIR FDM 2 20160812T194943 20160812T201506 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T203202\_20160812T210437\_C001 CS OFFL SIR FDM 2 20160812T211617 20160812T211948 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T212928\_20160812T213049\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T214607\_20160812T214712\_C001 CS OFFL SIR FDM 2 20160812T221054 20160812T223156 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T225548\_20160812T230010\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T230725\_20160812T231240\_C001 CS OFFL SIR FDM 2 20160812T232240 20160812T233249 C001 Sea State Bias Correction. Mean Sea Surface height, Altimetric Wind Speed Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction 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 Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction 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 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 Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction, Altimetric Wind Speed

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There is an error with the Altimetric Wind Speed, the 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.

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220160812T061227_20160812T061318_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220160812T092616_20160812T092747_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220160812T124259_20160812T125031_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220160812T212156_20160812T212548_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo

Sea State Bias Correction

records

#### 6.6 L2 FDM Range Measurement Check

Number of products with errors:

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: 25

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220160811T235907_20160812T002159_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_220160812T004119_20160812T011707_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_220160812T023705_20160812T024627_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_220160812T030814_20160812T032549_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_220160812T045207_20160812T052342_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_220160812T063758_20160812T064629_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_220160812T071846_20160812T074507_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_220160812T074940_20160812T075636_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_220160812T112421_20160812T115927_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_220160812T132201_20160812T133856_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_220160812T141228_20160812T143118_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_220160812T145151_20160812T145814_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_220160812T145817_20160812T150122_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_220160812T150324_20160812T150355_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_220160812T150359_20160812T151754_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_220160812T160829_20160812T160840_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_220160812T181120_20160812T183547_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_220160812T193932_20160812T194554_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_220160812T194943_20160812T201506_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_220160812T203202_20160812T210437_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_220160812T211617_20160812T211948_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_220160812T212928_20160812T213049_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_220160812T214607_20160812T214712_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_220160812T225548_20160812T230010_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_220160812T230725_20160812T231240_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.

# 6.7 L2 FDM SWH and Backscatter Measurement Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220160811T235907_20160812T002159_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_220160812T004119_20160812T011707_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_20160812T023705_20160812T024627_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_220160812T030814_20160812T032549_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_220160812T045207_20160812T052342_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_220160812T063758_20160812T064629_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_20160812T071846_20160812T074507_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_220160812T074940_20160812T075636_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_20160812T112421_20160812T115927_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_220160812T132201_20160812T133856_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_20160812T141228_20160812T143118_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_220160812T145151_20160812T145814_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 innored for these records.

CS_OFFL_SIR_FDM_220160812T145817_20160812T150122_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_220160812T150324_20160812T150355_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_220160812T150359_20160812T151754_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_220160812T160829_20160812T160840_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_220160812T181120_20160812T183547_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_220160812T193932_20160812T194554_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_220160812T194943_20160812T201506_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_220160812T203202_20160812T210437_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_220160812T211617_20160812T211948_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_220160812T212928_20160812T213049_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_220160812T214607_20160812T214712_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_220160812T225548_20160812T230010_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_220160812T230725_20160812T231240_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:
45

Test Failed

Description

Product CS\_OFFL\_SIR\_FDM\_2\_\_20160811T235907\_20160812T002159\_C001 CS OFFL SIR FDM 2 20160812T004119 20160812T011707 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T012851\_20160812T014750\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T022012\_20160812T023503\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T023705\_20160812T024627\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T030814\_20160812T032549\_C001 CS OFFL SIR FDM 2 20160812T035946 20160812T041407 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T044828\_20160812T045043\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T045207\_20160812T052342\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T053951\_20160812T060351\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T063509\_20160812T063755\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T063758\_20160812T064629\_C001 CS OFFL SIR FDM 2 20160812T071846 20160812T074507 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T074940\_20160812T075636\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T080932\_20160812T084015\_C001 CS OFFL SIR FDM 2 20160812T093315 20160812T093516 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T094759\_20160812T102038\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T110336\_20160812T110501\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T111233\_20160812T111344\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T112421\_20160812T115927\_C001 CS OFFL SIR FDM 2 20160812T130250 20160812T131719 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T132201\_20160812T133856\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T141228\_20160812T143118\_C001 CS OFFL SIR FDM 2 20160812T145151 20160812T145814 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T145817\_20160812T150122\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T150324\_20160812T150355\_C001 CS OFFL SIR FDM 2 20160812T150359 20160812T151754 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T155144\_20160812T155606\_C001 CS OFFL SIR FDM 2 20160812T160604 20160812T160821 C001

Ocean Retracking Quality Flag Ocean Retracking Quality Flag

The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.

CS\_OFFL\_SIR\_FDM\_2\_\_20160812T160829\_20160812T160840\_C001 CS\_OFFL\_SIR\_EDM\_2\_\_20160812T164110\_20160812T165648\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T171243\_20160812T173657\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T181120\_20160812T183547\_C001 CS OFFL SIR FDM 2 20160812T190757 20160812T192257 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T193932\_20160812T194554\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T194943\_20160812T201506\_C001 CS OFFL SIR FDM 2 20160812T203202 20160812T210437 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T211617\_20160812T211948\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T212928\_20160812T213049\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T214607\_20160812T214712\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T221054\_20160812T223156\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T223442\_20160812T224613\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T225548\_20160812T230010\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20160812T230725\_20160812T231240\_C001 CS OFFL SIR FDM 2 20160812T235007 20160812T235451 C001

Ocean Retracking Quality Flag Ocean Retracking Quality Flag

The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.