



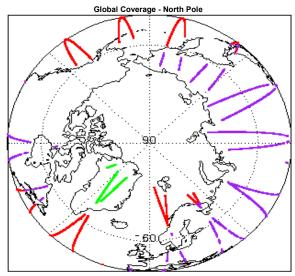
1. Overview

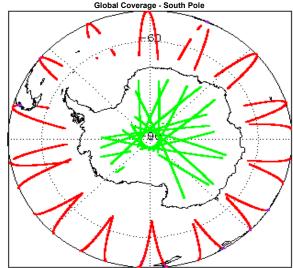
Report Production Date:	12-Apr-2016	
Processor Used:	CryoSat Ice Processor	
Data Used:	L1 and L2 Fast Delivery Marine (FDM) Mode and L0 Data	

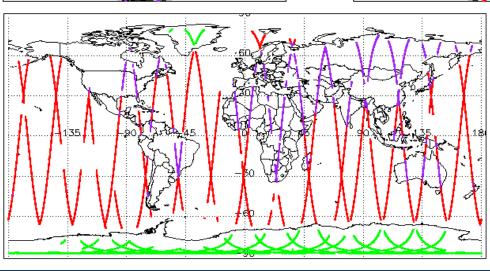
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check	Nominal
Auxiliary Data File Usage Check	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, 6.5, 6.6, 6.7 and 6.8

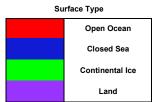
Mission / Instrument News		
08-Apr-2016	Missing Star Tracker information from 15:18 onwards	
09-Apr-2016	Missing Star Tracker information up to 06:18	
10-Apr-2016	Nothing planned	

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use:	SIRAL - A
Star Tracker(s) in use:	Star Tracker 1

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.

13

Number of products with errors:

Product	Test Failed
CS_OPER_SIR1SAR_020160409T161609_20160409T162429_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020160409T030020_20160409T030754_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020160409T005434_20160409T010004_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020160409T073821_20160409T074302_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020160409T075753_20160409T080442_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020160409T220757_20160409T221451_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020160409T000138_20160409T000353_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020160409T093905_20160409T093928_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020160409T152544_20160409T152906_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020160409T135559_20160409T135730_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020160409T130944_20160409T131121_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020160409T153430_20160409T153548_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020160409T121539_20160409T121816_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: 3

Product	Test Failed
All FDM_1B products up to 20160409T061754 (31 products)	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20160409T124559_20160409T125248_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20160409T143011_20160409T143135_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20160409T160751_20160409T160817_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20160409T193148_20160409T193241_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: 14

Product	AUX File	Comment
All FDM_1B products (149 products)	CS_OPER_AUXIIONGIM_20160409T000000_20 160409T235959_0001	Missing Forecast Auxiliary file at the 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: 149

Product	Test Failed	Description
All FDM_1B products (149 products)	GIM Ionospheric Correction	Due to a missing Forecast Auxiliary File there is an error with the lonospheric Correction

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: 3

Test Failed	Description
Attitude correction missing	The attitude has not been corrected
Attitude correction missing	The attitude has not been corrected
Attitude correction missing	The attitude has not been corrected
Attitude correction missing	The attitude has not been corrected
Attitude correction missing	The attitude has not been corrected
	Attitude correction missing Attitude correction missing Attitude correction missing Attitude correction missing

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:

Product	AUX File	Comment
All FDM_2 products (148 products)	CS_OPER_AUXIIONGIM_20160409T000000_20 160409T235959_0001	Missing Forecast Auxiliary file at the 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:

Test Failed Description All FDM 2 products (148 products) GIM Ionospheric Correction Sea State Bias Correction, Altimetric CS_OFFL_SIR_FDM_2__20160409T000353_20160409T002911_C001 Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric CS OFFL SIR FDM 2 20160409T010004 20160409T010956 C001 Wind Speed Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS OFFL SIR FDM 2 20160409T013240 20160409T020902 C001 Wind Speed CS_OFFL_SIR_FDM_2__20160409T022225_20160409T023346_C001 Sea State Bias Correction records Sea State Bias Correction, Altimetric CS OFFL SIR FDM 2 20160409T023915 20160409T025704 C001 Wind Speed CS_OFFL_SIR_FDM_2__20160409T034540_20160409T034831_C001 Sea State Bias Correction CS_OFFL_SIR_FDM_2__20160409T040150_20160409T042406_C001 Sea State Bias Correction records Sea State Bias Correction, Altimetric CS OFFL SIR FDM 2 20160409T054054 20160409T061352 C001 Wind Speed CS_OFFL_SIR_FDM_2__20160409T063935_20160409T070231_C001 Sea State Bias Correction records Sea State Bias Correction, Altimetric CS OFFL SIR FDM 2 20160409T072103 20160409T073649 C001 Wind Speed Sea State Bias Correction, Altimetric CS_OFFL_SIR_FDM_2__20160409T073652_20160409T073821_C001 Wind Speed Sea State Bias Correction, Altimetric CS_OFFL_SIR_FDM_2__20160409T074302_20160409T075141_C001 Wind Speed Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias Wind Speed Sea State Bias Correction, Altimetric CS OFFL SIR FDM 2 20160409T082916 20160409T084353 C001 Wind Speed Sea State Bias Correction, Altimetric CS OFFL SIR FDM 2 20160409T090000 20160409T091525 C001 Wind Speed Sea State Bias Correction, Altimetric CS OFFL SIR FDM 2 20160409T091726 20160409T092646 C001 Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric CS_OFFL_SIR_FDM_2__20160409T095400_20160409T100615_C001 Wind Speed Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction, Altimetric CS_OFFL_SIR_FDM_2__20160409T113811_20160409T114150_C001 Wind Speed Sea State Bias Correction, Altimetric CS OFFL SIR FDM 2 20160409T114202 20160409T120514 C001 Wind Speed CS OFFL SIR FDM 2 20160409T121834 20160409T124357 C001 Sea State Bias Correction Sea State Bias Correction, Altimetric CS_OFFL_SIR_FDM_2__20160409T133235_20160409T134350_C001 Wind Speed Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction, Altimetric CS_OFFL_SIR_FDM_2__20160409T143351_20160409T143527_C001 Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric CS_OFFL_SIR_FDM_2__20160409T144856_20160409T152252_C001 Wind Speed Sea State Bias Correction, Altimetric CS OFFL SIR FDM 2 20160409T161237 20160409T161609 C001 Wind Speed Sea State Bias Correction, Altimetric CS_OFFL_SIR_FDM_2__20160409T185533_20160409T185620_C001 Wind Speed Sea State Bias Correction, Altimetric CS OFFL SIR FDM 2 20160409T200227 20160409T202002 C001 Wind Speed Sea State Bias Correction, Altimetric CS_OFFL_SIR_FDM_2__20160409T203707_20160409T205046_C001 Wind Speed Correction for one or more records CS_OFFL_SIR_FDM_2__20160409T213226_20160409T214138_C001 Sea State Bias Correction records Sea State Bias Correction, Altimetric CS OFFL SIR FDM 2 20160409T214143 20160409T214246 C001 Wind Speed Sea State Bias Correction, Altimetric CS_OFFL_SIR_FDM_2__20160409T221451_20160409T221615_C001 Wind Speed Sea State Bias Correction, Altimetric CS_OFFL_SIR_FDM_2__20160409T221914_20160409T222810_C001 Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric CS OFFL SIR FDM 2 20160409T223150 20160409T223637 C001 Sea State Bias Correction, Altimetric CS_OFFL_SIR_FDM_2__20160409T231347_20160409T233821_C001 Wind Speed

Due to a missing Forecast Auxiliary File there is an error with the Ionospheric Correction 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 Correction for one or more records

Correction for one or more records There is an error with the Sea State Bias Correction for one or more

There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Sea State Bias Correction for one or more

There is an error with the Sea State Bias Correction for one or more

There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Sea State Bias Correction for one or more

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

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

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 Sea State Bias Correction for one or more

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

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.

There is an error with the Sea State Bias Correction for one or more

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

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 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	Test Failed	Description
All FDM_2 products up to 20160409T061754 (31 products)	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220160409T124559_20160409T125248_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220160409T143011_20160409T143135_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220160409T160751_20160409T160817_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220160409T193148_20160409T193241_C001	Attitude correction missing	The attitude has not been corrected

6.6 L2 FDM Range Measurement Check

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

Number of products with errors:

24

Product	Test Failed	Description
CS_OFFL_SIR_FDM_2_20160409T000353_20160409T002911_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_20160409T010004_20160409T010956_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_20160409T013240_20160409T020902_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_20160409T023915_20160409T025704_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_220160409T054054_20160409T061352_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_20160409T072103_20160409T073649_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_220160409T073652_20160409T073821_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_220160409T074302_20160409T075141_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_220160409T082916_20160409T084353_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_220160409T090000_20160409T091525_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_220160409T091726_20160409T092646_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_220160409T095400_20160409T100615_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_20160409T105843_20160409T110356_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_20160409T113811_20160409T114150_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_20160409T114202_20160409T120514_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_220160409T135730_20160409T142623_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_220160409T143351_20160409T143527_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_220160409T144856_20160409T152252_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_220160409T161237_20160409T161609_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_20160409T200227_20160409T202002_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_20160409T203707_20160409T205046_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_220160409T214143_20160409T214246_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_20160409T223150_20160409T223637_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_20160409T231347_20160409T233821_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

24

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:

Test Failed

-	7	The master fail flog is set by the CEI call, for one or more records
CS_OFFL_SIR_FDM_220160409T000353_20160409T002911_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_220160409T010004_20160409T010956_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_220160409T013240_20160409T020902_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_220160409T023915_20160409T025704_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_220160409T054054_20160409T061352_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_220160409T072103_20160409T073649_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_220160409T073652_20160409T073821_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_220160409T074302_20160409T075141_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_220160409T082916_20160409T084353_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_220160409T090000_20160409T091525_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_220160409T091726_20160409T092646_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_220160409T095400_20160409T100615_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_220160409T105843_20160409T110356_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_220160409T113811_20160409T114150_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_220160409T114202_20160409T120514_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_220160409T135730_20160409T142623_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_220160409T143351_20160409T143527_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_220160409T144856_20160409T152252_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_220160409T161237_20160409T161609_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_220160409T200227_20160409T202002_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_220160409T203707_20160409T205046_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_220160409T214143_20160409T214246_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_220160409T223150_20160409T223637_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_220160409T231347_20160409T233821_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:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220160409T000353_20160409T002911_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_220160409T004233_20160409T005434_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_220160409T010004_20160409T010956_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_220160409T013240_20160409T020902_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_220160409T023915_20160409T025704_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_220160409T031021_20160409T031127_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_220160409T040150_20160409T042406_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_220160409T045918_20160409T052737_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_220160409T054054_20160409T061352_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_220160409T072103_20160409T073649_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_220160409T073652_20160409T073821_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_220160409T074302_20160409T075141_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_220160409T082916_20160409T084353_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_220160409T090000_20160409T091525_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160409T091726_20160409T092646_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160409T095400_20160409T100615_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160409T103936_20160409T105618_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160409T105843_20160409T110356_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160409T113811_20160409T114150_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160409T114202_20160409T120514_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160409T121834_20160409T124357_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160409T131548_20160409T132657_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160409T133235_20160409T134350_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160409T135730_20160409T142623_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160409T143351_20160409T143527_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160409T144856_20160409T152252_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160409T160634_20160409T160723_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160409T161237_20160409T161609_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160409T162827_20160409T163706_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160409T163951_20160409T170215_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160409T171522_20160409T172833_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160409T180657_20160409T184029_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160409T185908_20160409T193022_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160409T195027_20160409T195745_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160409T200227_20160409T202002_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160409T203707_20160409T205046_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160409T205259_20160409T210500_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160409T213226_20160409T214138_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160409T214143_20160409T214246_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160409T221914_20160409T222810_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160409T223150_20160409T223637_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160409T231347_20160409T233821_C001	Ocean Retracking Quality Flag

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