



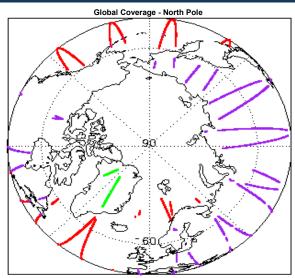
1. Overview

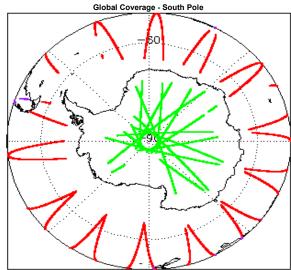
Report Production Date:	29-Apr-2016	
Processor Used:	CryoSat Ice Processor	
Data Used:	L1 and L2 Fast Delivery Marine (FDM	

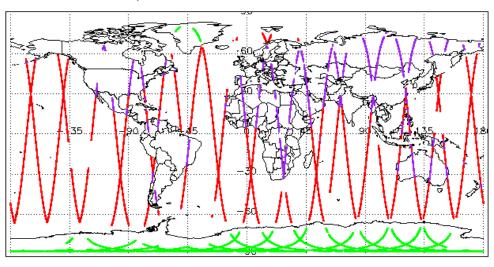
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check	Nominal
Auxiliary Data File Usage Check	Nominal
Auxiliary Correction Error Check	See Section 6.4
Measurement Confidence Data Check	See Section 5.7, 6.5, 6.6, 6.7 and 6.8

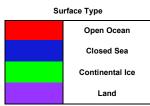
Mission / Instrument News		
27-Apr-2016	None	
28-Apr-2016	None	
29-Apr-2016	Nothing planned	

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.

Number of products with errors:

Product	Test Failed
CS_OPER_SIR1SAR_020160428T200227_20160428T200928_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020160428T114542_20160428T115035_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020160428T042522_20160428T042805_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020160428T164406_20160428T165152_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020160428T121730_20160428T121948_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020160428T121411_20160428T121725_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020160428T115035_20160428T115439_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020160428T023625_20160428T023742_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020160428T021120_20160428T021139_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020160428T231342_20160428T231503_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020160428T115633_20160428T120228_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020160428T021635_20160428T022010_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020160428T211404_20160428T211441_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020160428T115529_20160428T115755_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020160428T164231_20160428T164406_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020160428T114009_20160428T114126_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020160428T113055_20160428T113458_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: 1

Product	Test Failed
CS_OFFL_SIR_FDM_1B_20160428T114127_20160428T114136_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20160428T115441_20160428T115529_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20160428T120229_20160428T120239_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20160428T120243_20160428T121410_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20160428T121948_20160428T123057_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20160428T123423_20160428T123528_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20160428T123711_20160428T124154_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20160428T124219_20160428T124308_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20160428T124438_20160428T131414_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20160428T131417_20160428T131649_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20160428T145450_20160428T145524_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:

5.6 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: 0

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_20160428T114127_20160428T114136_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20160428T115441_20160428T115529_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20160428T120229_20160428T120239_C001	Attitude correction missing	The attitude has not been corrected

CS_OFFL_SIR_FDM_1B_20160428T120243_20160428T121410_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20160428T121948_20160428T123057_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20160428T123423_20160428T123528_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20160428T123711_20160428T124154_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20160428T124219_20160428T124308_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20160428T124438_20160428T131414_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20160428T131417_20160428T131649_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20160428T145450_20160428T145524_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).

lumber 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:

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:

CS_OFFL_SIR_FDM_2_20160428T002622_20160428T012052_C001 CS_OFFL_SIR_FDM_2_20160428T010943_20160428T012052_C001 CS_OFFL_SIR_FDM_2_20160428T012628_20160428T014410_C001 CS_OFFL_SIR_FDM_2_20160428T020944_20160428T021119_C001 CS_OFFL_SIR_FDM_2_20160428T020944_20160428T021119_C001 CS_OFFL_SIR_FDM_2_20160428T020944_20160428T021119_C001 CS_OFFL_SIR_FDM_2_20160428T024859_20160428T033726_C001 CS_OFFL_SIR_FDM_2_20160428T033617_20160428T033726_C001 CS_OFFL_SIR_FDM_2_20160428T033617_20160428T033726_C001 CS_OFFL_SIR_FDM_2_20160428T033639_20160428T034707_C001 CS_OFFL_SIR_FDM_2_20160428T034639_20160428T034707_C001 CS_OFFL_SIR_FDM_2_20160428T034639_20160428T034707_C001 CS_OFFL_SIR_FDM_2_20160428T034639_20160428T034707_C001 CS_OFFL_SIR_FDM_2_20160428T034639_20160428T034707_C001 CS_OFFL_SIR_FDM_2_20160428T034639_20160428T034707_C001 CS_OFFL_SIR_FDM_2_20160428T034639_20160428T034707_C001 CS_OFFL_SIR_FDM_2_20160428T034639_20160428T034943_C001 CS_OFFL_SIR_FDM_2_20160428T032647_20160428T052943_C001 CS_OFFL_SIR_FDM_2_20160428T032647_20160428T052943_C001 CS_OFFL_SIR_FDM_2_20160428T032647_20160428T052932_C001 CS_OFFL_SIR_FDM_2_20160428T03260820_20160428T05232_C001 CS_OFFL_SIR_FDM_2_20160428T03260820_20160428T062532_C001 CS_OFFL_SIR_FDM_2_20160428T060820_20160428T062532_C001 CS_OFFL_SIR_FDM_2_20160428T060820_20160428T062532_C001 CS_OFFL_SIR_FDM_2_20160428T060820_20160428T062532_C001 CS_OFFL_SIR_FDM_2_20160428T060820_20160428T062532_C001 CS_OFFL_SIR_FDM_2_20160428T060820_20160428T062532_C001 CS_OFFL_SIR_FDM_3_20160428T060820_20160428T062532_C001 CS_OFFL_SIR_FDM_3_20160428T060820_20160428T062532_C001 CS_OFFL_SIR_FDM_3_20160428T060820_20160428T062532_C001 CS_OFFL_SIR_FDM_3_20160428T060820_20160428T062532_C001 CS_OFFL_SIR_FDM_3_20160428T060820_20160428T062532_C001 CS_OFFL_SIR_FDM_3_20160428T060820_20160428T062532_C001 CS_OFFL_SIR_FDM_3_20160428T060820_20160428T062532_C001 CS_OFFL_SIR_FDM_3_20160428T060820_20160428T062532_C001 CS_OFFL_SIR_FDM_3_20160428T060820_20160428T062532_C001 CS_OFFL_SIR_FDM_3_20160428T	ore ias ias ore
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Wind Speed CS_OFFL_SIR_FDM_2_20160428T052647_20160428T054943_C001 CS_OFFL_SIR_FDM_2_20160428T060820_20160428T062532_C001 Wind Speed Wind Speed Sea State Bias Correction, Altimetric Wind Speed and Sea State Correction for one or more records Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Wind Speed Correction for one or more records There is an error with the Speed and Sea State Correction for one or more records There is an error with the Speed and Sea State Correction for one or more records There is an error with the Speed and Sea State Correction for one or more records There is an error with the Speed and Sea State Correction for one or more records There is an error with the Speed and Sea State Correction for one or more records	
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CS_OFFL_SIR_FDM_2_201604281060820_201604281062532_C001 Wind Speed Correction for one or more records There is an error with the See State Rise Correction for one or n	
There is an error with the Sea State Bias Correction for one or n	
CS_OFFL_SIR_FDM_2_20160428T063012_20160428T063724_C001 Sea State Bias Correction Frecords	re
CS_OFFL_SIR_FDM_2_20160428T074715_20160428T080240_C001 Sea State Bias Correction, Altimetric Wind Speed There is an error with the Altimetric Wind Speed and Sea State Correction for one or more records	
CS_OFFL_SIR_FDM_2_20160428T080441_20160428T081403_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Correction for one or more records	
CS_OFFL_SIR_FDM_2_20160428T084155_20160428T085309_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Correction for one or more records	
CS_OFFL_SIR_FDM_2_20160428T090901_20160428T091321_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Correction for one or more records	
CS_OFFL_SIR_FDM_2_20160428T092645_20160428T094147_C001 Sea State Bias Correction There is an error with the Sea State Bias Correction for one or records	
CS_OFFL_SIR_FDM_2_20160428T101838_20160428T105228_C001 Sea State Bias Correction, Altimetric Wind Speed There is an error with the Altimetric Wind Speed and Sea State Correction for one or more records	
CS_OFFL_SIR_FDM_2_20160428T110556_20160428T113055_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Correction for one or more records	
CS_OFFL_SIR_FDM_2_20160428T120243_20160428T121410_C001 Sea State Bias Correction, Altimetric Wind Speed There is an error with the Altimetric Wind Speed and Sea State Correction for one or more records	
CS_OFFL_SIR_FDM_2_20160428T124438_20160428T131414_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Correction for one or more records	
CS_OFFL_SIR_FDM_2_20160428T133642_20160428T141008_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Correction for one or more records	
CS_OFFL_SIR_FDM_2_20160428T150041_20160428T150237_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Correction for one or more records	
CS_OFFL_SIR_FDM_2_20160428T151544_20160428T154929_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Correction for one or more records	
CS_OFFL_SIR_FDM_2_20160428T163101_20160428T163243_C001 Sea State Bias Correction There is an error with the Sea State Bias Correction for one or n records	
CS_OFFL_SIR_FDM_2_20160428T165154_20160428T165231_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Correction for one or more records	
CS_OFFL_SIR_FDM_2_20160428T165403_20160428T172744_C001 Sea State Bias Correction, Altimetric Wind Speed There is an error with the Altimetric Wind Speed and Sea State Correction for one or more records	
CS_OFFL_SIR_FDM_2_20160428T183735_20160428T184459_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Correction for one or more records	
CS_OFFL_SIR_FDM_2_20160428T184941_20160428T190712_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Correction for one or more records	
CS_OFFL_SIR_FDM_2_20160428T201934_20160428T203000_C001 Sea State Bias Correction, Altimetric Wind Speed There is an error with the Altimetric Wind Speed and Sea State Correction for one or more records	
CS_OFFL_SIR_FDM_2_20160428T203140_20160428T204616_C001 Sea State Bias Correction There is an error with the Sea State Bias Correction records	
CS_OFFL_SIR_FDM_2_20160428T211009_20160428T211404_C001 Sea State Bias Correction, Altimetric Wind Speed There is an error with the Altimetric Wind Speed and Sea State Correction for one or more records	
CS_OFFL_SIR_FDM_2_20160428T212039_20160428T212348_C001 Sea State Bias Correction There is an error with the Sea State Bias Correction records	re

CS_OFFL_SIR_FDM_220160428T212510_20160428T213220_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_220160428T220053_20160428T222516_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_220160428T234058_20160429T000506_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

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:

- 1

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220160428T114127_20160428T114136_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220160428T115441_20160428T115529_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220160428T120229_20160428T120239_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220160428T120243_20160428T121410_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220160428T121948_20160428T123057_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220160428T123423_20160428T123528_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220160428T123711_20160428T124154_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220160428T124219_20160428T124308_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220160428T124438_20160428T131414_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220160428T131417_20160428T131649_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220160428T145450_20160428T145524_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:

23

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220160428T002622_20160428T005604_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.
S_OFFL_SIR_FDM_2_20160428T020944_20160428T021119_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.
S_OFFL_SIR_FDM_220160428T024859_20160428T032237_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.
S_OFFL_SIR_FDM_220160428T042805_20160428T050213_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.
S_OFFL_SIR_FDM_220160428T052647_20160428T054943_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.
S_OFFL_SIR_FDM_220160428T060820_20160428T062532_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.
S_OFFL_SIR_FDM_220160428T074715_20160428T080240_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.
S_OFFL_SIR_FDM_220160428T080441_20160428T081403_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.
S_OFFL_SIR_FDM_220160428T084155_20160428T085309_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.
S_OFFL_SIR_FDM_220160428T101838_20160428T105228_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.
S_OFFL_SIR_FDM_220160428T110556_20160428T113055_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.
S_OFFL_SIR_FDM_220160428T120243_20160428T121410_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.
S_OFFL_SIR_FDM_220160428T124438_20160428T131414_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.
S_OFFL_SIR_FDM_220160428T133642_20160428T141008_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.
S_OFFL_SIR_FDM_220160428T150041_20160428T150237_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.
S_OFFL_SIR_FDM_220160428T151544_20160428T154929_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.
S_OFFL_SIR_FDM_220160428T165403_20160428T172744_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.
S_OFFL_SIR_FDM_220160428T184941_20160428T190712_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.
S_OFFL_SIR_FDM_220160428T201934_20160428T203000_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.
S_OFFL_SIR_FDM_220160428T211009_20160428T211404_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.
S_OFFL_SIR_FDM_220160428T212510_20160428T213220_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.
S_OFFL_SIR_FDM_220160428T220053_20160428T222516_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: 23

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220160428T002622_20160428T005604_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_220160428T020944_20160428T021119_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_220160428T024859_20160428T032237_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_220160428T042805_20160428T050213_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_220160428T052647_20160428T054943_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_220160428T060820_20160428T062532_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_20160428T074715_20160428T080240_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_20160428T080441_20160428T081403_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_20160428T084155_20160428T085309_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_220160428T101838_20160428T105228_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_20160428T110556_20160428T113055_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_20160428T120243_20160428T121410_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_20160428T124438_20160428T131414_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_20160428T133642_20160428T141008_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_20160428T150041_20160428T150237_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_220160428T151544_20160428T154929_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_20160428T165403_20160428T172744_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_220160428T184941_20160428T190712_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_220160428T201934_20160428T203000_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_20160428T211009_20160428T211404_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_220160428T212510_20160428T213220_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_220160428T220053_20160428T222516_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_20160428T234058_20160429T000506_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.

39

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220160428T002622_20160428T005604_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_220160428T012628_20160428T014410_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_220160428T020944_20160428T021119_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_220160428T024859_20160428T032237_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_220160428T034639_20160428T034707_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_220160428T035103_20160428T041459_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_220160428T042805_20160428T050213_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_220160428T052647_20160428T054943_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_220160428T060820_20160428T062532_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160428T071630_20160428T073034_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160428T074715_20160428T080240_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160428T080441_20160428T081403_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160428T084155_20160428T085309_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160428T085946_20160428T090420_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160428T090901_20160428T091321_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160428T092645_20160428T094147_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160428T101838_20160428T105228_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160428T110556_20160428T113055_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160428T120243_20160428T121410_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160428T124438_20160428T131414_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160428T133642_20160428T141008_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160428T150041_20160428T150237_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160428T151544_20160428T154929_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160428T160242_20160428T162527_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160428T163101_20160428T163243_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160428T165403_20160428T172744_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160428T174219_20160428T181751_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160428T183735_20160428T184459_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160428T184941_20160428T190712_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160428T194010_20160428T195231_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160428T195458_20160428T195557_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160428T201934_20160428T203000_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160428T203140_20160428T204616_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160428T211009_20160428T211404_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160428T212039_20160428T212348_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_2_20160428T212510_20160428T213220_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_2_20160428T220053_20160428T222516_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160428T223907_20160428T230518_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160428T234058_20160429T000506_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. 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.