



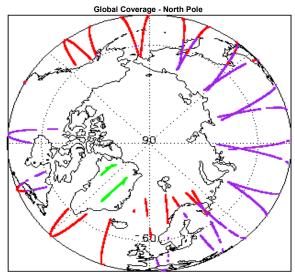
1. Overview

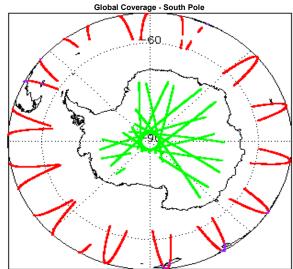
Report Production Date:	11-Jun-2018
Processor Used:	CryoSat Ice Processor
Data Used:	L1 and L2 Fast Delivery Marine (FDM) Mode and L0 Data

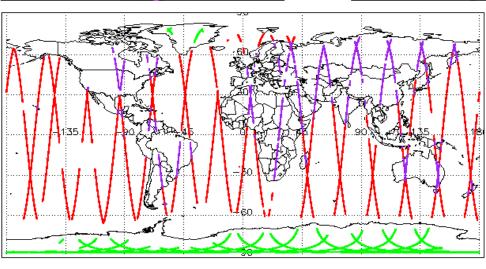
Observation	04-4
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check	Nominal
Auxiliary Data File Usage Check	Nominal
Auxiliary Correction Error Check	See Section 6.4
Measurement Confidence Data Check	See Section 5.7, 6.5, 6.6, 6.7 and 6.8

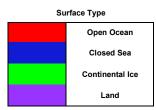
Mission / Instru	ment News
09-Jun-2018	None
10-Jun-2018	None
11-Jun-2018	Nothing planned

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).

Number of products with errors:

0

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.

Product	Test Failed
CS_OPER_SIR1SAR_020180610T151140_20180610T152028_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020180610T150538_20180610T151000_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020180610T014853_20180610T015802_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020180610T214422_20180610T215644_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020180610T213857_20180610T213917_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020180610T194914_20180610T195002_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.

5. Level 1B FDM Data Quality Check

5.1 L1B FDM Product Format Check

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

Number of products with errors:

5.2 L1B FDM Product Header Analysis

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

Number of products with errors:

5.3 L1B FDM Star Tracker Usage Check

Each product is checked in order to ensure a valid star tracker file has been used in processing.

Number of products with errors:

Product	Test Failed
CS_OFFL_SIR_FDM_1B_20180609T235930_20180610T000045_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20180610T031526_20180610T032224_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20180610T212720_20180610T213339_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20180610T230814_20180610T231026_C001	No Star Tracker file used in the processing of this product

5.4 L1B FDM Calibration Usage Check

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

Number of products with errors:

5.5 L1B FDM Auxilary Data File Usage Check

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

Number of products with errors:

5.6 L1B FDM Auxiliary Correction Error Check

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

Number of products with errors: 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_20180609T235930_20180610T000045_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20180610T031526_20180610T032224_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20180610T083229_20180610T083955_C001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_FDM_1B_20180610T212720_20180610T213339_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20180610T230814_20180610T231026_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).

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:

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:

42

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220180610T002015_20180610T005345_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
CC OFFI CID FDM 2 20400040T044420 20400040T0420F0 C004	Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220180610T011129_20180610T012659_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_220180610T014527_20180610T014656_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_2_20180610T021135_20180610T022729_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more
	Sea State Bias Correction, Altimetric	records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220180610T031526_20180610T032224_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_220180610T033617_20180610T033944_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220180610T033947_20180610T040513_C001	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	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220180610T040516_20180610T041152_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_220180610T044414_20180610T050110_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_220180610T052252_20180610T053410_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
CC OFFI CID FDM 2 20190640T052614 20190640T055050 C001	Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220180610T053614_20180610T055050_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_220180610T060727_20180610T061835_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_220180610T062438_20180610T063628_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS OFFL SIR FDM 2 20180610T071534 20180610T072954 C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
	Wind Speed	Correction for one or more records There is an error with the Sea State Bias Correction for one or more
CS_OFFL_SIR_FDM_220180610T074532_20180610T081110_C001	Sea State Bias Correction	records
CS_OFFL_SIR_FDM_220180610T092413_20180610T093523_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_220180610T094052_20180610T095129_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more
	Sea State Bias Correction, Altimetric	records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220180610T101332_20180610T104848_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_220180610T110412_20180610T111434_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_220180610T115058_20180610T115338_C001	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	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220180610T122630_20180610T122743_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_220180610T124334_20180610T130546_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_2_20180610T132932_20180610T133206_C001	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	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220180610T134010_20180610T134605_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_220180610T134853_20180610T140618_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_220180610T142229_20180610T145843_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_220180610T152028_20180610T154321_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
00_011 E_011(_1 DMEE0100010110E020_E010001011040E1_0001	Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220180610T160225_20180610T161720_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_220180610T161743_20180610T161909_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_220180610T162352_20180610T163815_C001	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	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220180610T171008_20180610T172441_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_220180610T174116_20180610T175614_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_220180610T175841_20180610T180737_C001	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	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220180610T183500_20180610T184535_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_220180610T192037_20180610T193658_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_220180610T193933_20180610T194144_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 2 20180610T201904 20180610T204511 C001	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	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220180610T210041_20180610T212443_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_220180610T221327_20180610T222349_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 2 20180610T223910 20180610T230713 C001	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	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220180610T231103_20180610T231631_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_220180610T232952_20180611T000237_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
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6.5 L2 FDM Measurement Confidence Data Check

CryoSat L2 data includes a measurement confidence flag (field 8) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220180609T235930_20180610T000045_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220180610T031526_20180610T032224_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220180610T083229_20180610T083955_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220180610T212720_20180610T213339_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220180610T230814_20180610T231026_C001	Attitude correction missing	The attitude has not been corrected

6.6 L2 FDM Range Measurement Check

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CS CFFL SRF 12M 220100101100205_2010010100205_CD31	Product	Test Failed	Description
CS_OFF_SR_PEW_2_20180010110322_00001110322_0001 CFI Perceded Plange Figs growth of the first \$11, 16, 41 is and a fit to double to come in contract in the first \$11, 16, 41 is and a fit to double the contract in the first \$11, 16, 41 is and a fit double the contract in the first \$11, 16, 41 is and a fit double the first \$11, 16, 41 is and a fit double the first \$11, 16, 41 is and a fit double the first \$11, 16, 41 is and a fit double the first \$11, 16, 41 is and a fit double the first \$11, 16, 41 is and a fit double	CS_OFFL_SIR_FDM_220180610T002015_20180610T005345_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CB_CPFL_SR_FEM_2_201860107103391_2018801071033	CS_OFFL_SIR_FDM_220180610T011129_20180610T012659_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CR_OPFL_SR_FDM_2_20180010103034_20180010103031_2018	CS_OFFL_SIR_FDM_220180610T031526_20180610T032224_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_201909107104414_201909107104414_001909107104441_0019091071044414_0019091071044414_0019091071044414_0019091071044414_0019091071044414_0019091071044414_001909	CS_OFFL_SIR_FDM_220180610T033947_20180610T040513_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SR_FDM_2_201800107105282_0180010715283_C001 CR_OFFL_SR_FDM_2_201800107105282_01800107105282_0180010715283_C001 CR_OFFL_SR_FDM_2_201800107105282_0180010715283_C001 CR_OFFL_SR_FDM_2_201800107105282_0180010715283_C001 CR_OFFL_SR_FDM_2_201800107105284_0180010715283_C001 CR_OFFL_SR_FDM_2_201800107105284_0180010715283_C001 CR_OFFL_SR_FDM_2_201800107105284_0180010715283_C001 CR_OFFL_SR_FDM_2_201800107105282_0180010715283_C001 CR_OFFL_SR_FDM_2_201800107105282_0180010715283_C001 CR_OFFL_SR_FDM_2_201800107105282_0180010715283_C001 CR_OFFL_SR_FDM_2_201800107105282_0180010715283_C001 CR_OFFL_SR_FDM_2_20180010715283_20180010715283_C001 CR_OFFL_SR_FDM_2_20180010715283_20180010715283_C001 CR_OFFL_SR_FDM_2_20180010715283_20180010715283_C001 CR_OFFL_SR_FDM_2_20180010715283_20180010715283_C001 CR_OFFL_SR_FDM_2_20180010715283_20180010715283_C001 CR_OFFL_SR_FDM_2_20180010715283_20180010715283_C001 CR_OFFL_SR_FDM_2_20180010715283_20180010715283_C001 CR_OFFL_SR_FDM_2_20180010715283_20180010715283_C001 CR_OFFL_SR_FDM_2_20180010715283_201800107152843_C001 CR_OFFL_SR_FDM_2_20180010715283_C01800107152843_C001 CR_OFFL_SR_FDM_2_20180010715283_C0180010715283_C001 CR_OFFL_SR_FDM_	CS_OFFL_SIR_FDM_220180610T040516_20180610T041152_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_201808107103282_201808107103583_201001 CFI Retracked Range Flag shockafting the values solved in fields #13, #14, #15 and #16 should be yopered for these morner. CS_OFFL_SIR_FDM_2_20180810700372_201808107105835_20001 CFI Retracked Range Flag The materia field giss at by the CFT call, for one or more more records, including the values solved in fields #13, #14, #15 and #16 should be yopered for these morner. CS_OFFL_SIR_FDM_2_201808107109272_201808107109383_20001 CFI Retracked Range Flag The materia field giss at by the CFT call, for one or more records, including the values solved in fields #13, #14, #15 and #16 should be yopered for these records. CS_OFFL_SIR_FDM_2_201808107109332_201808107104848_C0001 CFI Retracked Range Flag The materia field giss at by the CFT call, for one or more records, including the values solved in fields #13, #14, #15 and #16 should be your call of these records. CS_OFFL_SIR_FDM_2_201808107113032_201808107110332_00001 CFI Retracked Range Flag The materia field giss at by the CFT call, for one or more records, including the values solved in fields #13, #14, #15 and #16 should be your call of these records. CS_OFFL_SIR_FDM_2_201808107113034_201808107110332_00001 CFI Retracked Range Flag The materia field giss at by the CFT call, for one or more records, including the values solved in fields #13, #14, #15 and #16 should be your call of these records. CS_OFFL_SIR_FDM_2_201808107132034_2018080107133206_0001 CFI Retracked Range Flag The materia field giss at by the CFT call, for one or more records, including the values stored in fields #13, #14, #15 and #16 should be your call for these records. CS_OFFL_SIR_FDM_2_201808107132036_2018081071532036_0001 CFI Retracked Range Flag The materia field giss at by the CFT call, for one or more records, including the values stored in fields #13, #14, #15 and #16 should be your call for these records. CS_OFFL_SIR_FDM_2_201808107152026_2018081071543321_0001 CFI Retracked Range Flag The values stored in fields #13, #14, #15 and	CS_OFFL_SIR_FDM_220180610T044414_20180610T050110_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CR_OFFL_SIR_FDM_2_201806107163014_20180610705503_0001 CR Retracked Range Flag product for these records. CR_OFFL_SIR_FDM_2_201806107103212_201806107105822_0001 CR Retracked Range Flag CR Retr	CS_OFFL_SIR_FDM_220180610T052252_20180610T053410_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_201806107109272_201806107109332_0001 CFI Retracked Range Flag growth of these records. CS_OFFL_SIR_FDM_2_2018061071093413_001806107009323_0001 CFI Retracked Range Flag CS_OFFL_SIR_FDM_2_20180610710932_018061071109346_0001 CFI Retracked Range Flag CS_OFFL_SIR_FDM_2_201806107110934_000107115336_0001 CFI Retracked Range Flag CS_OFFL_SIR_FDM_2_201806107115334_000107115336_0001 CFI Retracked Range Flag CS_OFFL_SIR_FDM_2_201806107115334_000107115336_0001 CFI Retracked Range Flag CS_OFFL_SIR_FDM_2_20180610713232_01806107132036_0001 CFI Retracked Range Flag CS_OFFL_SIR_FDM_2_201806107132032_01806107132036_0001 CFI Retracked Range Flag CS_OFFL_SIR_FDM_2_201806107132032_0180610713205_0001 CFI Retracked Range Flag CS_OFFL_SIR_FDM_2_201806107132032_0180610713205_0001 CFI Retracked Range Flag CFI Re	CS_OFFL_SIR_FDM_220180610T053614_20180610T055050_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20180610710322_2180610710448_C001 CFI Retracked Range Flag growth of these records. CS_OFFL_SIR_FDM_2_201806107115058_201806107115058_C001 CFI Retracked Range Flag CFI Retracked Range Flag growth of these records. CS_OFFL_SIR_FDM_2_201806107115058_201806107130548_C001 CFI Retracked Range Flag CFI Retrack	CS_OFFL_SIR_FDM_220180610T060727_20180610T061835_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_201805107110332_018061071104848_0001 CS_OFFL_SIR_FDM_2_201806107115088_201806107115338_0001 CS_OFFL_SIR_FDM_2_201806107115084_201806107130546_0001 CS_OFFL_SIR_FDM_2_2018061071124334_201806107130546_0001 CS_OFFL_SIR_FDM_2_201806107132932_201806107130546_0001 CFI Retracked Range Flag The master fail flag is set by the CFI call, for one or more records, endoating the values stored in fields #13, #1, #15 and #16 should be genored for these records. The master fail flag is set by the CFI call, for one or more records, endoating the values stored in fields #13, #1, #15 and #16 should be genored for these records. CS_OFFL_SIR_FDM_2_201806107132932_201806107133266_0001 CFI Retracked Range Flag CFI Retracked Range Fla	CS_OFFL_SIR_FDM_220180610T092413_20180610T093523_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_201806107115058_201806107130546_C001 CFI Retracked Range Flag inclicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. CS_OFFL_SIR_FDM_2_201806107132932_201806107133206_C001 CFI Retracked Range Flag inclicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. CS_OFFL_SIR_FDM_2_201806107132932_201806107133206_C001 CFI Retracked Range Flag inclicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. CS_OFFL_SIR_FDM_2_201806107134010_201806107134005_C001 CFI Retracked Range Flag inclicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. CS_OFFL_SIR_FDM_2_201806107134010_201806107134005_C001 CFI Retracked Range Flag inclicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. CS_OFFL_SIR_FDM_2_201806107134010_201806107134005_C001 CFI Retracked Range Flag inclicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. CS_OFFL_SIR_FDM_2_201806107152028_201806107154321_C001 CFI Retracked Range Flag inclicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. CS_OFFL_SIR_FDM_2_201806107160225_201806107164321_C001 CFI Retracked Range Flag inclicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. CS_OFFL_SIR_FDM_2_201806107160225_201806107161902_C001 CFI Retracked Range Flag inclicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, inclicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. CS_OFFL_SIR_FDM_2_201806107171008_201806107172441_C001 CFI Retracked Range Flag inclicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more recor	CS_OFFL_SIR_FDM_220180610T101332_20180610T104848_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20180610T124334_20180610T130546_C001 CFI Retracked Range Flag including the values stored in fields \$13, \$14, \$15 and \$16 should be included for these records. The master fail flag is set by the CFI call, for one or more records, including the set of the theory of these records. The master fail flag is set by the CFI call, for one or more records, including the set of these records. The master flag is set by the CFI call, for one or more records, including the set of these records. The master flag is set by the CFI call, for one or more records, including the set of the company of the compan	CS_OFFL_SIR_FDM_220180610T115058_20180610T115338_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20180610T13293_20180610T143236_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be gnored for these records. CS_OFFL_SIR_FDM_2_20180610T134010_20180610T14605_C001 CS_OFFL_SIR_FDM_2_20180610T142229_20180610T145843_C001 CS_OFFL_SIR_FDM_2_20180610T142229_20180610T145843_C001 CS_OFFL_SIR_FDM_2_20180610T152028_20180610T154321_C001 CFI Retracked Range Flag indicated in flag is set by the CFI call, for one or more records, including the values stored in fields #13, #14, #15 and #16 should be indicated in fields #13, #1	CS_OFFL_SIR_FDM_220180610T124334_20180610T130546_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CFI Retracked Range Flag Indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. CS_OFFL_SIR_FDM_2_20180610T14229_20180610T145843_C001 CFI Retracked Range Flag Indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. Indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. Indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. 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_20180610T160225_20180610T161720_C001 CFI Retracked Range Flag CFI Retracked Range Flag Indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. Indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. CS_OFFL_SIR_FDM_2_20180610T161743_20180610T161909_C001 CFI Retracked Range Flag CF	CS_OFFL_SIR_FDM_220180610T132932_20180610T133206_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. CS_OFFL_SIR_FDM_2_20180610T152028_20180610T164321_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. 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_20180610T160225_20180610T161720_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. CS_OFFL_SIR_FDM_2_20180610T161743_20180610T161909_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. 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_20180610T162352_20180610T163315_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. CS_OFFL_SIR_FDM_2_20180610T171008_20180610T172441_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. CS_OFFL_SIR_FDM_2_20180610T174116_20180610T175614_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. CS_OFFL_SIR_FDM_2_20180610T175841_20180610T180737_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. 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. 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 th	CS_OFFL_SIR_FDM_220180610T134010_20180610T134605_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. 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. 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. 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. 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. 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. 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. 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. 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. 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. 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. 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. The master fail flag is set by the CFI call, for one or more records, indic	CS_OFFL_SIR_FDM_220180610T142229_20180610T145843_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20180610T160225_20180610T161720_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. 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_20180610T162352_20180610T163815_C001 CFI Retracked Range Flag CFI	CS_OFFL_SIR_FDM_220180610T152028_20180610T154321_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20180610T161743_20180610T161909_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. 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_20180610T171008_20180610T172441_C001 CFI Retracked Range Flag CFI	CS_OFFL_SIR_FDM_220180610T160225_20180610T161720_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20180610T162352_20180610T173441_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. 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_20180610T174116_20180610T175614_C001 CFI Retracked Range Flag CF	CS_OFFL_SIR_FDM_220180610T161743_20180610T161909_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20180610T171008_20180610T172441_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. 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_20180610T175841_20180610T180737_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. 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_20180610T201904_20180610T204511_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. 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_20180610T210041_20180610T212443_C001 CFI Retracked Range Flag CFI Retracked Range Flag CFI Retracked Range Flag CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. 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. 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. 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. The master fail flag i	CS_OFFL_SIR_FDM_220180610T162352_20180610T163815_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20180610T174116_20180610T175614_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fall 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_20180610T183500_20180610T184535_C001 CFI Retracked Range Flag CF	CS_OFFL_SIR_FDM_220180610T171008_20180610T172441_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20180610T175841_20180610T180737_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. 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_20180610T201904_20180610T204511_C001 CFI Retracked Range Flag CFI Retracked Range Flag CFI Retracked Range Flag CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. 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_20180610T210041_20180610T212443_C001 CFI Retracked Range Flag CFI Retracked Ra	CS_OFFL_SIR_FDM_220180610T174116_20180610T175614_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20180610T183500_20180610T184535_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. 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_20180610T210041_20180610T212443_C001 CFI Retracked Range Flag CF	CS_OFFL_SIR_FDM_220180610T175841_20180610T180737_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20180610T201904_20180610T204511_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. 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_20180610T223910_20180610T230713_C001 CFI Retracked Range Flag CFI Retracked Range Flag CFI Retracked Range Flag CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. 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_20180610T231103_20180610T231631_C001 CFI Retracked Range Flag CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. 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. 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. 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_220180610T183500_20180610T184535_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20180610T210041_20180610T212443_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. CS_OFFL_SIR_FDM_2_20180610T223910_20180610T230713_C001 CFI Retracked Range Flag CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. 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_20180610T231103_20180610T231631_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. 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. 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. 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_220180610T201904_20180610T204511_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20180610T223910_20180610T230713_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. 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_20180610T231103_20180610T231631_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. 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_220180610T210041_20180610T212443_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20180610T231103_20180610T231631_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. 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_220180610T223910_20180610T230713_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20180610T232952_20180611T000237_C001	CS_OFFL_SIR_FDM_2_20180610T231103_20180610T231631_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
1.5	CS_OFFL_SIR_FDM_220180610T232952_20180611T000237_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be

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: 29

Product	Test Failed	Description
		The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
		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_220180610T033947_20180610T040513_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_220180610T040516_20180610T041152_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_220180610T044414_20180610T050110_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_220180610T052252_20180610T053410_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_220180610T053614_20180610T055050_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_220180610T060727_20180610T061835_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_220180610T092413_20180610T093523_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_220180610T101332_20180610T104848_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_220180610T115058_20180610T115338_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_220180610T124334_20180610T130546_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_220180610T132932_20180610T133206_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_220180610T134010_20180610T134605_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_220180610T142229_20180610T145843_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_220180610T152028_20180610T154321_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_220180610T160225_20180610T161720_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_220180610T161743_20180610T161909_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_220180610T162352_20180610T163815_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_220180610T171008_20180610T172441_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_220180610T174116_20180610T175614_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_220180610T175841_20180610T180737_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_220180610T183500_20180610T184535_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_220180610T201904_20180610T204511_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_220180610T210041_20180610T212443_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_220180610T223910_20180610T230713_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_220180610T231103_20180610T231631_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_220180610T232952_20180611T000237_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.

44

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220180610T000629_20180610T000730_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_220180610T002015_20180610T005345_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_220180610T011129_20180610T012659_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_220180610T015802_20180610T020850_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_220180610T021135_20180610T022729_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_220180610T022732_20180610T023239_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_220180610T024935_20180610T030909_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_220180610T031526_20180610T032224_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_220180610T033617_20180610T033944_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_220180610T033947_20180610T040513_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_220180610T040516_20180610T041152_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality F Retracker was not successfully
CS_OFFL_SIR_FDM_220180610T043043_20180610T044311_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality F Retracker was not successfully
CS_OFFL_SIR_FDM_2_20180610T044414_20180610T050110_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Retracker was not successfully
CS_OFFL_SIR_FDM_220180610T052252_20180610T053410_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Retracker was not successfully
CS_OFFL_SIR_FDM_220180610T053614_20180610T055050_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality F Retracker was not successfully
CS_OFFL_SIR_FDM_220180610T060727_20180610T061835_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality F Retracker was not successfully
CS_OFFL_SIR_FDM_220180610T062438_20180610T063628_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Retracker was not successfully
CS_OFFL_SIR_FDM_2_20180610T074532_20180610T081110_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality F Retracker was not successfully
CS_OFFL_SIR_FDM_2_20180610T084450_20180610T090906_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality F Retracker was not successfully
CS_OFFL_SIR_FDM_220180610T092413_20180610T093523_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality F Retracker was not successfully
CS_OFFL_SIR_FDM_2_20180610T094052_20180610T095129_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality F Retracker was not successfully
CS_OFFL_SIR_FDM_220180610T101332_20180610T104848_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality F Retracker was not successfully
CS_OFFL_SIR_FDM_2_20180610T112007_20180610T113756_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality F Retracker was not successfully
CS_OFFL_SIR_FDM_2_20180610T115058_20180610T115338_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality F Retracker was not successfully
CS_OFFL_SIR_FDM_2_20180610T124334_20180610T130546_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality F Retracker was not successfully
CS_OFFL_SIR_FDM_2_20180610T130735_20180610T131824_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality F Retracker was not successfully
CS_OFFL_SIR_FDM_2_20180610T132932_20180610T133206_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality F Retracker was not successfully
CS_OFFL_SIR_FDM_2_20180610T134010_20180610T134605_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality F Retracker was not successfully
CS_OFFL_SIR_FDM_2_20180610T134853_20180610T140618_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality F Retracker was not successfully
CS_OFFL_SIR_FDM_220180610T142229_20180610T145843_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality F Retracker was not successfully
CS_OFFL_SIR_FDM_2_20180610T152028_20180610T154321_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality F Retracker was not successfully
CS_OFFL_SIR_FDM_2_20180610T160225_20180610T161720_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality F Retracker was not successfully
CS_OFFL_SIR_FDM_2_20180610T161743_20180610T161909_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality F Retracker was not successfully
CS_OFFL_SIR_FDM_2_20180610T162352_20180610T163815_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality F Retracker was not successfully
CS_OFFL_SIR_FDM_2_20180610T171008_20180610T172441_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality F Retracker was not successfully
CS_OFFL_SIR_FDM_2_20180610T174116_20180610T175614_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality F Retracker was not successfully
CS_OFFL_SIR_FDM_2_20180610T175841_20180610T180737_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality F Retracker was not successfully
CS_OFFL_SIR_FDM_2_20180610T183500_20180610T184535_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality F Retracker was not successfully
CS_OFFL_SIR_FDM_2_20180610T201904_20180610T204511_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality F Retracker was not successfully
CS_OFFL_SIR_FDM_2_20180610T210041_20180610T212443_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality F Retracker was not successfully
CS_OFFL_SIR_FDM_220180610T215707_20180610T220749_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality F Retracker was not successfully
CS_OFFL_SIR_FDM_220180610T223910_20180610T230713_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality F Retracker was not successfully
CS_OFFL_SIR_FDM_220180610T231103_20180610T231631_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality F Retracker was not successfully
CS_OFFL_SIR_FDM_220180610T232952_20180611T000237_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality F Retracker was not successfully
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7. QCC Report Analysis

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

Product type	Nb. Products	Nb. QCC Reports	Nb. Valid	Nb. Warnings	Nb. Errors
SIR_FDM_1B	133	133	133	0	0
SIR FDM 2	132	132	132	0	0

7.1 QCC Errors

Number of QCC reports with errors:

0

7.2 QCC Warnings

Number of QCC reports with warnings

0

7.3 Missing QCC Reports

Number of products with missing QCC reports:

0