

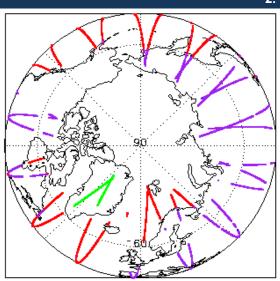
1. Overview

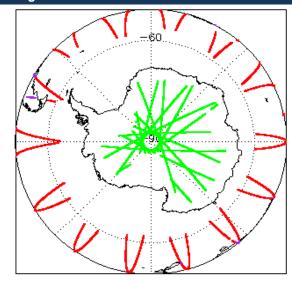
Report Production Date:	03-Dec-2020
Processor Used:	CryoSat Ice Processor
Data Used:	L1 and L2 Fast Delivery Marine (FDM) Mode and L0 Data

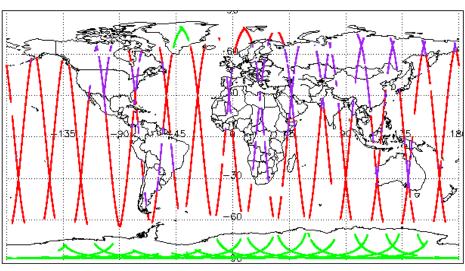
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2, 5.2 and 6.2
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check	Nominal
Auxiliary 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
QCC Error/ Warning Check	See Section 7.1 and 7.2

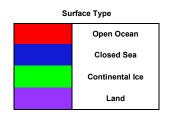
N	Mission / Instrument News		
	01-Dec-2020	None	
	02-Dec-2020	None	
	03-Dec-2020 Due to a Collision Avoidance Manoeuvre, SIRAL will be unavailable from the 03/12/2020 at 08:48:39 until 13:03:20		

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

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.

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Number of products with errors:

Product	Test Failed
CS_OPER_SIR1LRM_020201202T012246_20201202T012727_0001.DBL	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1LRM_020201202T053724_20201202T060007_0001.DBL	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1LRM_020201202T090512_20201202T091539_0001.DBL	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1LRM_020201202T130521_20201202T133658_0001.DBL	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1LRM_020201202T140144_20201202T142201_0001.DBL	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1LRM_020201202T160100_20201202T160613_0001.DBL	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020201202T020851_20201202T021808_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_0_20201202T121508_20201202T121630_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_0_20201202T220843_20201202T221113_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020201202T080217_20201202T080411_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_0_20201202T153337_20201202T153500_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020201202T161713_20201202T162019_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020201202T210620_20201202T211209_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_0_20201202T220843_20201202T221113_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020201202T232517_20201202T232823_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:

Product	Test Failed
CS_OFFL_SIR_FDM_1B_20201202T034039_20201202T034102_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20201202T034102_20201202T034201_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).

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_20201202T034039_20201202T034102_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: 0

5.6 L1B FDM Auxiliary Correction Error Check

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

Number of products with errors: 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_20201202T034039_20201202T034102_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.

Product	Test Failed
CS_OFFL_SIR_FDM_220201202T034039_20201202T034102_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220201202T034102_20201202T034201_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220201202T071708_20201202T071739_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_2_20201202T073637_20201202T073645_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.
CS_OFFL_SIR_FDM_220201202T154553_20201202T155055_C001.DBL	Product filename start/stop differs slightly from start/stop validity due to rounding.

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.

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220201201T235254_20201202T001631_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_220201202T004912_20201202T011517_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_220201202T013204_20201202T015934_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220201202T020630_20201202T020851_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_220201202T022220_20201202T025348_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_220201202T031120_20201202T031515_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_220201202T040107_20201202T043404_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_220201202T045144_20201202T050753_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220201202T052551_20201202T052610_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220201202T053724_20201202T060007_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220201202T060050_20201202T061250_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_220201202T063014_20201202T065612_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_220201202T065627_20201202T070342_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220201202T073648_20201202T073943_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_220201202T074008_20201202T075233_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_220201202T082551_20201202T084242_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_220201202T090512_20201202T091539_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_220201202T091719_20201202T093107_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_220201202T094744_20201202T094842_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_220201202T100643_20201202T100929_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_220201202T101052_20201202T101802_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_220201202T101924_20201202T102111_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_220201202T104622_20201202T104925_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_220201202T104941_20201202T111005_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_220201202T140144_20201202T142201_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_220201202T144550_20201202T151742_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_220201202T153045_20201202T153159_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_220201202T162406_20201202T164523_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_220201202T170858_20201202T171342_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220201202T172905_20201202T173417_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_220201202T173605_20201202T174619_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_220201202T180327_20201202T182929_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_220201202T185128_20201202T185141_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220201202T185934_20201202T192352_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_220201202T194246_20201202T194652_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_220201202T194744_20201202T195830_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220201202T195848_20201202T200919_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_220201202T211504_20201202T211929_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_20201202T212156_20201202T213613_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
	Trina oposa	Controller for one of more records

CS_OFFL_SIR_FDM_2_20201202T213752_20201202T214301_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 OFFE SIR FDM 2 202012021221113 202012021221320 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_220201202T221442_20201202T222153_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_220201202T222316_20201202T224623_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_220201202T230142_20201202T232443_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:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_2_20201202T034039_20201202T034102_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.

CB_OFFL_SR_FDM200012017120204_20001207101601_C001 CFI_Retracted Range Flag CR_OFFL_SR_FDM200012017120003_20001207101601_C001 CR_OFFL_SR_FDM20001207100030_20001207101601_C001 CR_OFFL_SR_FDM20001207100030_20001207101601_C001 CR_OFFL_SR_FDM20001207100030_20001207101601_C001 CR_OFFL_SR_FDM20001207100030_20001207101601_C001 CR_OFFL_SR_FDM20001207100030_20001207101601_C001 CR_OFFL_SR_FDM20001207100030_20001207101601_C001 CR_OFFL_SR_FDM20001207100030_20001207101601_C001 CR_OFFL_SR_FDM20001207100030_200012071016001_C001 CR_OFFL_SR_FDM20001207100030_200012071016001_C001 CR_OFFL_SR_FDM20001207100030_200012071016001_C001 CR_OFFL_SR_FDM20001207100030_200012071016001_C001 CR_OFFL_SR_FDM20001207100030_200012071016001_C001 CR_OFFL_SR_FDM20001207100030_200012071016001_C001 CR_OFFL_SR_FDM20001207100030_200012071016001_C001 CR_OFFL_SR_FDM200012071016001_C001 CR_OFFL_SR_FDM_200012071016001_C001 CR_OFFL_SR_FDM_200012071016001_C001 CR_OFFL_SR_FDM_200012071016001_C001 CR_OFFL_SR_FDM_200012071016001_C001 CR_OFFL_SR_FDM_200012071016001_C001 CR_OFFL_SR_FDM_200012071016001_C001 CR_OFFL_SR_FDM_200012071016001_C001 CR_OFFL_SR_FDM_200012071016001_C001 CR_OFFL_SR_FDM_200012071016001_C001 CR_	Product	Test Failed	Description
CS_OFFL_SIR_FDM_2_20201202T000300_20201202T003051_C001 CFI Revoxed Range Flag OFFL Revoxed Range Flag OFFL_SIR_FDM_2_20201202T000300_20201202T003051_C001 CFI Revoxed Range Flag OFFL_SIR_FDM_2_20201202T000300_20201202T003054_C001 CFI Revoxed Range Flag OFFL_SIR_FDM_2_20201202T000300_20201202T003054_C001 CFI Revoxed Range Flag OFFL_SIR_FDM_2_20201202T000300_20201202T003050_C001 CFI Revoxed Range Flag OFFL_SIR_FDM_2_20201202T000300_20201202T003000_C001 CFI Revoxed Range Flag OFFL_SIR_FDM_2_20201202T000300_20201202T003000_C001 CFI Revoxed Range Flag OFFL_SIR_FDM_2_20201202T000300_20201202T003000_C001 CFI Revoxed Range Flag OFFL_SIR_FDM_2_20201202T003000_C001020T003010_C001 OFFL_SIR_FDM_2_20201202T003000_C001020T003000_C001 OFFL_SIR_FDM_2_20201202T003000_C001020T003000_C001 OFFL_SIR_FDM_2_20201202T003000_C001020T003000_C001 OFFL_SIR_FDM_2_20201202T003000_C001020T003000_C001 OFFL_SIR_FDM_2_20201202T003000_C001020T003000_C001 OFFL_SIR_FDM_2_20201202T003000_C001020T003000_C001 OFFL_SIR_FDM_2_20201202T003000_C001020T003000_C001 OFFR_SIR_FDM_2_20201202T003000_C001020T003000_C001 OFFR_SIR_FDM_2_20201202T1030000_C001020T003000_C001 OFFR_SIR_FDM_2_20201202T1030000_C	CS_OFFL_SIR_FDM_220201201T235254_20201202T001631_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20201202T000032_20201202T000040_C001 CFI Retrocked Range Flag CFI Retrocked	CS_OFFL_SIR_FDM_220201202T004912_20201202T011517_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20201202T093107_00001 CFI Retracked Range Flag GS_OFFL_SIR_FDM_2_20201202T093107_00001 CFI Retracked Range Flag GS_OFFL_SIR_FDM_2_20201202T093014_00001202T093107_00001 CS_OFFL_SIR_FDM_2_20201202T093014_00001202T093017_00001 CS_OFFL_SIR_FDM_2_20201202T093014_00001202T093017_00001 CS_OFFL_SIR_FDM_2_20201202T093014_00001202T093017_00001 CS_OFFL_SIR_FDM_2_20201202T093014_00001202T093017_00001 CS_OFFL_SIR_FDM_2_20201202T093014_00001202T093017_00001 CS_OFFL_SIR_FDM_2_20201202T093014_00001202T093017_00001 CS_OFFL_SIR_FDM_2_20201202T093014_00001202T093017_00001 CS_OFFL_SIR_FDM_2_20201202T093017_00001202T093017_00001 CS_OFFL_SIR_FDM_2_20201202T093017_00001 CS_OFFL_SIR_FDM_2_20201202T109302_20001 CS_OFFL_SIR_FDM_2_20201202T109302_20001 CS_OFFL_SIR_FDM_2_20201202T109302_20001 CS_OFFL_SIR_FDM_2_20201202T109302_20001 CS_OFFL_SIR_FDM_2_20201202T109303_20001 CS_OFFL_SIR	CS_OFFL_SIR_FDM_220201202T020630_20201202T020851_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_20201202T094014_20001002T094342_0001 CFI Retracked Range Flag contact Flag flag is set by the CFI call, for one or more records, records from the control of these records. CS_OFFL_SIR_FDM_2_20201202T09404_20201202T09504_20001 CFI Retracked Range Flag control of these records. CS_OFFL_SIR_FDM_2_20201202T079442_20001202T09504_20001 CFI Retracked Range Flag control of these records. CS_OFFL_SIR_FDM_2_20201202T079406_20201202T09504_20001 CFI Retracked Range Flag control of these records. CS_OFFL_SIR_FDM_2_20201202T079406_20201202T09504_20001 CFI Retracked Range Flag control of these records. CS_OFFL_SIR_FDM_2_20201202T079406_20201202T09504_20001 CFI Retracked Range Flag control of these records. CS_OFFL_SIR_FDM_2_20201202T079406_20201202T094042_20001 CFI Retracked Range Flag control of these records. CS_OFFL_SIR_FDM_2_20201202T079406_20201202T094042_20001 CFI Retracked Range Flag control of these records. CS_OFFL_SIR_FDM_2_20201202T09406_20201202T094042_20001 CFI Retracked Range Flag control of these records. CS_OFFL_SIR_FDM_2_20201202T09406_20201202T094042_20001 CFI Retracked Range Flag control of these records. CS_OFFL_SIR_FDM_2_20201202T09406_20201202T094092_20001 CFI Retracked Range Flag control of these records. CS_OFFL_SIR_FDM_2_20201202T0910910_20001 CFI Retracked Range Flag control of these records. CS_OFFL_SIR_FDM_2_20201202T0910910_20001 CFI Retracked Range Flag control of these records. CS_OFFL_SIR_FDM_2_20201202T0910910_20001 CFI Retracked Range Flag control of these records. CS_OFFL_SIR_FDM_2_20201202T0910910_20001 CFI Retracked Range Flag control of the cont	CS_OFFL_SIR_FDM_220201202T022220_20201202T025348_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_20201202T09364_20201202T09345 CO11 CFI Retracked Range Flag Indicating the values stored in fields #13, #14, #15 and #16 should be growed for these records. The master fail flag is set by the CFI call, for one or more records, and the stored in flag is set by the CFI call, for one or more records, and the stored in flag is set by the CFI call, for one or more records, and the stored in flag is set by the CFI call, for one or more records, and the stored in flag is set by the CFI call, for one or more records, and the stored in flag is set by the CFI call, for one or more records, and the stored in flag is set by the CFI call, for one or more records, and the stored in flag is set by the CFI call, for one or more records, and the stored in flag is set by the CFI call, for one or more records, and the stored in flag is set by the CFI call, for one or more records, and the stored in flag is set by the CFI call, for one or more records, and the stored in flag is set by the CFI call, for one or more records, and the stored in flag is set by the CFI call, for one or more records, and the stored in flag is set by the CFI call, for one or more records, and the stored in flag is set by the CFI call, for one or more records, and the stored in flag is set by the CFI call, for one or more records, and the stored in flag is set by the CFI call, for one or more records, and the stored in flag is set by the CFI call, for one or more records, and the stored in flag is set by the CFI call, for one or more records, and the stored in flag is set by the CFI call, for one or more records, and the stored in flag is set by the CFI call, for one or more records, and the stored in flag is set by the CFI call, for one or more records, and the stored in flag is set by the CFI call, for one or more records, and the stored in flag is set by the CFI call, for one or more records, and the stored in flag is set by the CFI call, for one or more records, and the stored in flag is set by the CFI call, for one or more records	CS_OFFL_SIR_FDM_220201202T040107_20201202T043404_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20201202T09394_20201202T073945_C001 CFI Retracked Range Flag growth of these records. Find and Fig. Size FDM_2_20201202T073945_C001 CFI Retracked Range Flag growth of these records. Find and Fig. Size FDM_2_20201202T073945_C001 CFI Retracked Range Flag growth of these records. Find and Fig. Size FDM_2_20201202T092551_20201202T092424_C001 CFI Retracked Range Flag growth of these records. Find and Fig. Size FDM_2_20201202T092551_20201202T092424_C001 CFI Retracked Range Flag growth of these records. Find and Fig. Size FDM_2_20201202T092551_20201202T0939_C001 CFI Retracked Range Flag growth of these records. Find and Fig. Size FDM_2_20201202T0939_C001 CFI Retracked Range Flag growth of these records. Find and Fig. Size FDM_2_20201202T0939_C001 CFI Retracked Range Flag growth of these records. Find and Fig. Size FDM_2_20201202T0939_C001 CFI Retracked Range Flag growth of these records. Find and Fig. Size FDM_2_20201202T0939_C001 CFI Retracked Range Flag growth of these records. Find and Fig. Size FDM_2_20201202T0939_C001 CFI Retracked Range Flag growth of these records. Find and Fig. Size FDM_2_20201202T100643_20201202T100829_C001 CFI Retracked Range Flag growth of these records. Find and Fig. Size FDM_2_20201202T100643_20201202T100829_C001 CFI Retracked Range Flag growth of these records. Find and Fig. Size FDM_2_20201202T100642_20201202T100829_C001 CFI Retracked Range Flag growth of these records. Find and Fig. Size FDM_2_20201202T100642_20201202T100829_C001 CFI Retracked Range Flag growth of these records. Find and Fig. Size FDM_2_20201202T100824_20201202T100825_C001 CFI Retracked Range Flag growth of these records. Find and Fig. Size FDM_2_20201202T100824_20201202T100825_C001 CFI Retracked Range Flag growth of these records. Find and Fig. Size FDM_2_20201202T100824_20201202T100825_C001 CFI Retracked Range Flag growth of these records. Find and Fig. Size FDM_2_20201202T100825_C0010 CFI Retracked Range Flag growth of these records. Find and Fig. Size FDM_2_20	CS_OFFL_SIR_FDM_220201202T060050_20201202T061250_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20201202T04008_20201202T05233_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_20201202T04008_20201202T09523_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_20201202T090512_20201202T091539_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_20201202T090512_20201202T091539_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_20201202T109642_20201202T109829_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_20201202T109642_20201202T109829_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_20201202T10962_20201202T109829_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_20201202T10962_20201202T109825_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_20201202T10941_20201109111006_C001 CFI Retracked Range Flag indicating the values stor	CS_OFFL_SIR_FDM_220201202T063014_20201202T065612_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20201202T074008_20201202T08251_20201202T084242_CD01 CFI Retracked Range Flag	CS_OFFL_SIR_FDM_220201202T073648_20201202T073943_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20201202T090512_20201202T090539_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be indicated to these records. CS_OFFL_SIR_FDM_2_20201202T091719_20201202T093107_C001 CFI Retracked Range Flag CFI Retracked R	CS_OFFL_SIR_FDM_220201202T074008_20201202T075233_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CFI Retracked Range Flag sond for these records. CS_OFFL_SIR_FDM_2_20201202T090179_20201202T093107_C001 CFI Retracked Range Flag sond for these records. CS_OFFL_SIR_FDM_2_20201202T100643_20201202T100929_C001 CFI Retracked Range Flag sond 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 gnored 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 gnored for these records. CS_OFFL_SIR_FDM_2_20201202T101052_20201202T101802_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be gnored 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 gnored 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 gnored for these records. CS_OFFL_SIR_FDM_2_20201202T101924_20201202T104925_C001 CFI Retracked Range Flag CFI Retracked Range	CS_OFFL_SIR_FDM_220201202T082551_20201202T084242_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20201202T100843_20201202T100929_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_20201202T100843_20201202T100929_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_20201202T101924_20201202T10111_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_20201202T104924_20201202T104111_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_20201202T104922_20201202T104925_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_20201202T104941_20201202T111005_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_20201202T104941_20201202T104104201_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_20201202T1040441_20201202T10401001 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_20201202T1040442_20201202T1051742_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_20201202T105040_2020T10515052_C001 CFI Retracked Range Flag indicat	CS_OFFL_SIR_FDM_220201202T090512_20201202T091539_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_2020120ZT100643_2020120ZT101802_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_2020120ZT101924_2020120ZT101924_2020120ZT101924_2020120ZT101924_2020120ZT104925_C001 CFI Retracked Range Flag CFI Re	CS_OFFL_SIR_FDM_220201202T091719_20201202T093107_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_2020120ZT101924_2020120ZT101924_2020120ZT102111_CO01 CFI Retracked Range Flag Indicating the values stored in field #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 field #13, #14, #15 and #16 should be ignored for these records. CS_OFFL_SIR_FDM_2_2020120ZT104922_2020120ZT104925_CO01 CFI Retracked Range Flag CFI Retracked	CS_OFFL_SIR_FDM_220201202T100643_20201202T100929_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20201202T104924_20201202T104925_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_20201202T104941_20201202T111005_C001 CFI Retracked Range Flag CFI Retracked Range Flag CFI Retracked Range Flag 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. 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_20201202T144550_20201202T151742_C001 CFI Retracked Range Flag CFI Retracked Range Flag	CS_OFFL_SIR_FDM_2_20201202T101052_20201202T101802_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20201202T104941_20201202T11005_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_20201202T140144_20201202T142201_C001 CFI Retracked Range Flag CFI	CS_OFFL_SIR_FDM_220201202T101924_20201202T102111_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20201202T104941_20201202T11005_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_20201202T144550_20201202T151742_C001 CFI Retracked Range Flag CFI	CS_OFFL_SIR_FDM_220201202T104622_20201202T104925_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20201202T140144_20201202T142201_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_20201202T153045_20201202T15742_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. 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. CFI Retracked Range Flag 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. 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 cal	CS_OFFL_SIR_FDM_220201202T104941_20201202T111005_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20201202T144550_20201202T151742_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_20201202T162406_20201202T164523_C001 CFI Retracked Range Flag CF	CS_OFFL_SIR_FDM_220201202T140144_20201202T142201_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20201202T153045_20201202T164523_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_20201202T185934_20201202T192352_C001 CFI Retracked Range Flag CF	CS_OFFL_SIR_FDM_220201202T144550_20201202T151742_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20201202T162406_20201202T164523_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_20201202T195848_20201202T200919_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. 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_2_20201202T153045_20201202T153159_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20201202T185934_20201202T192352_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_20201202T212156_20201202T213613_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. 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_220201202T162406_20201202T164523_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20201202T195848_20201202T200919_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_220201202T185934_20201202T192352_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20201202T212156_20201202T213613_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_220201202T195848_20201202T200919_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20201202T213752_20201202T214301_C001	CS_OFFL_SIR_FDM_2_20201202T212156_20201202T213613_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
19/10/04 10/ 1/1000 1000/40.	CS_OFFL_SIR_FDM_220201202T213752_20201202T214301_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records,

CS_OFFL_SIR_FDM_220201202T221113_20201202T221320_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220201202T221442_20201202T222153_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220201202T230142_20201202T232443_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.

6.7 L2 FDM SWH and Backscatter Measurement Check

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

CS_OFT_SR_FDM_2_202102T00912_202102T010917_0000 CS_OFT_SR_FDM_2_202102T000912_202102T010917_0000 CS_OFT_SR_FDM_2_202102T0000912_202102T0100912_0000 CS_OFT_SR_FDM_2_202102T0000912_202102T0000912_0000 CS_OFT_SR_FDM_2_202102T0000912_202102T0000912_0000 CS_OFT_SR_FDM_2_202102T0000912_202102T0000912_0000 CS_OFT_SR_FDM_2_202102T0000912_202102T0000912_0000 CS_OFT_SR_FDM_2_202102T0000912_202102T0000912_0000 CS_OFT_SR_FDM_2_202102T000090_202102T0000912_0000 CS_OFT_SR_FDM_2_202102T000090_202102T000090_200000 CS_OFT_SR_FDM_2_202102T000090_202102T000090_200000 CS_OFT_SR_FDM_2_202102T000090_202102T000090_200000000000000000000000000000	Product	Test Failed	Description
Segrend Averaging States Fug. CR. OFFL. SRIT, PDM. 2. 202012027105892, 200012027105905, 200112027105905, 20			The master fail flag is set by the CFI call, for one or more records,
CS_OFF_SR_FDM_2_2020207070938_2020120710939_2020130710939_	CS_OFFL_SIR_FDM_220201201T235254_20201202T001631_C001		ignored for these records.
CS_OFF_SIR_FDM_2_2020122T100322_2020122T100324_C001 CS_OFF_SIR_FDM_2_2020122T100314_2020122T100314_C001 CS_OFF_SIR_FDM_2_2020122T100314_2020122T100312_C001 CS_OFF_SIR_FDM_2_2020122T100314_2020122T100314_C001 CS_OFF_SIR_FDM_2_2020122T100314_C001 CS_OFF_SIR_FDM_2_2020122T100314_C001 CS_OFF_SIR_FDM_2_2020122T100314_C001 CS_OFF_SIR_FDM_2_2020122T100314_C001 CS_OFF_SIR_FDM_2_2020122T100314_C001 CS_OFF_SIR_FDM_2_2020122T100314_C001 CS_OFF_SIR_FDM_2_2020122T100314_C001 CS_OFF_SIR_FDM_2_2020122T100324_C001 CS_OFF_SIR_FDM_2_2020122T100324_C001 CS_OFF_SIR_FDM_2_2020122T100324_C001 CS_OFF_SIR_FDM_2_2020122T100324_C001 CS_OFF_SIR_FDM_2_2020122T100324_C001 CS_OFF_SIR_FDM_2_2020122T100324_C001 CS_OFF_SIR_FDM_2_2020122T100324_C001022T100325_C001 CS_OFF_SIR_FDM_2_2020122T100324_C001022T100325_C001 CS_OFF_SIR_FDM_2_2020122T100324_C001022T100325_C001 CS_OFF_SIR_FDM_2_2020122T100324_C001022T100325_C001 CS_OFF_SIR_FDM_2_2020122T100324_C001022T100325_C001 CS_OFF_SIR_FDM_2_2020122T100324_C001022T100325_C001 CS_OFF_SIR_FDM_2_2020122T100324_C001022T100325_C001 CS_OFF_SIR_FDM_2_2020122T100324_C001022T100325_C001 CS_OFF_SIR_FDM_2_2020122T100324_C001022T100325_C001 CS_OFF_SIR_FDM_	CS_OFFL_SIR_FDM_220201202T004912_20201202T011517_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20201207100052_202012271065512_C001 CS_OFFL_SIR_FDM_2_20201207100052_202012271065512_C001 CS_OFFL_SIR_FDM_2_20201207100052_202012271065512_C001 CS_OFFL_SIR_FDM_2_20201207100052_202012271065512_C001 CS_OFFL_SIR_FDM_2_20201207100052_202012271065512_C001 CS_OFFL_SIR_FDM_2_20201207100052_202012271065512_C001 CS_OFFL_SIR_FDM_2_2020120710706561_20010122710706562_C001 CS_OFFL_SIR_FDM_2_2020120710706562_200102710706562_C001 CS_OFFL_SIR_FDM_2_2020120710706562_2001022710970592_C001 CS_OFFL_SIR_FDM_2_2020120710706552_2001022710970592_C001 CS_OFFL_SIR_FDM_2_20201207100052_2001022710970592_C001 CS_OFFL_SIR_FDM_2_20201207100052_2001022710970592_C001 CS_OFFL_SIR_FDM_2_20201207100052_2001022710970592_C001 CS_OFFL_SIR_FDM_2_20201207100052_2001022710970592_C001 CS_OFFL_SIR_FDM_2_20201207100052_20010227100052_C001 CS_OFFL_SIR_FDM_2_20201207100052_20010227100052_C001 CS_OFFL_SIR_FDM_2_20201207100052_20010227100052_C001 CS_OFFL_SIR_FDM_2_20201207100052_20010227100052_C001 CS_OFFL_SIR_FDM_2_20201207100052_20010227100052_C001 CS_OFFL_SIR_FDM_2_202012071100052_20010227100052_C001 CS_OFFL_SIR_FDM_2_202012071100052_C0010227100052_C001 CS_OFFL_SIR_FDM_2_202012071100052_C0010227100052_C001 CS_OFFL_SIR_FDM_2_202012071100052_C001027100052_C00100527100052_C00100527100052_C00100527100052_C00100527100052_C00100527100052_C00100527100052_C00100527100052_C0010	CS_OFFL_SIR_FDM_220201202T020630_20201202T020851_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20201202T000050_2001002T00404C_C001 CS_OFFL_SIR_FDM_2_20201202T000050_2001002T004050_C001 CS_OFFL_SIR_FDM_2_20201202T000050_2001002T003010_C001 CS_OFFL_SIR_FDM_2_20201202T000050_2001002T003010_C001 CS_OFFL_SIR_FDM_2_20201202T000050_2001002T003010_C001 CS_OFFL_SIR_FDM_2_20201202T000050_2001002T003010_C001 CS_OFFL_SIR_FDM_2_20201202T000050_2001002T003010_C001 CS_OFFL_SIR_FDM_2_20201202T000050_2001002T000050_C001 CS_OFFL_SIR_FDM_2_20201202T000050_2001002T00000050_C001 CS_OFFL_SIR_FDM_2_20201202T000050_2001002T000000050_C001 CS_OFFL_SIR_FDM_2_20201202T000050_2001002T000000050_C001 CS_OFFL_SIR_FDM_2_20201202T000050_2001002T00000050_C001 CS_OFFL_SIR_FDM_2_20201202T000050_2001002T00000050_C001 CS_OFFL_SIR_FDM_2_20201202T000050_2001002T00000050_C001 CS_OFFL_SIR_FDM_2_20201202T0000000050_C001 CS_OFFL_SIR_FDM_2_20201202T100000050_C001 CS_OFFL_SIR_FDM_2_20201202T10000050_C001 CS_OFFL_SIR_FDM_2_20201202T1000050_C001 CS_OFFL_SIR_FDM_2_20201202T1000050_C001 CS_OFFL_SIR_FDM_2_20201202T1000050_C001 CS_OFFL_SIR_FDM_2_20201202T1000050_C0010000000000000000000000000000	CS_OFFL_SIR_FDM_220201202T022220_20201202T025348_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20001027006014_20010207063012_001 CS_OFFL_SIR_FDM_2_200010270706014_20010207063012_001 CS_OFFL_SIR_FDM_2_200010270706014_20010207063012_001 CS_OFFL_SIR_FDM_2_200010270706014_20010207063012_001 CS_OFFL_SIR_FDM_2_200010270706014_20010207063012_001 CS_OFFL_SIR_FDM_2_200010270706014_200102070630107_001 CS_OFFL_SIR_FDM_2_200010270605012_000102070630107_001 CS_OFFL_SIR_FDM_2_200010270605012_0001020706050107_001 CS_OFFL_SIR_FDM_2_20001027100642_000110007_00002 CS_OFFL_SIR_FDM_2_20001027100642_000110007_00002 CS_OFFL_SIR_FDM_2_20001027100642_000110007_00002 CS_OFFL_SIR_FDM_2_20001027100642_000110007_00002 CS_OFFL_SIR_FDM_2_20001027100602_0001 CS_OFFL_SIR_FDM_2_20001027110062_000110007_00002 CS_OFFL_SIR_FDM_2_20001027110062_000110007_00002 CS_OFFL_SIR_FDM_2_20001027110062_000110007_00002 CS_OFFL_SIR_FDM_2_20001027110062_000110007_00002 CS_OFFL_SIR_FDM_2_20001027110062_000110007_00002 CS_OFFL_SIR_FDM_2_20001027110062_000110007_00002 CS_OFFL_SIR_FDM_2_20001027110062_000110007_00002 CS_OFFL_SIR_FDM_2_20001027110062_000110007_00002 CS_OFFL_SIR_FDM_2_20001027110062_00010007100002 CS_OFFL_SIR_FDM_2_20001027110062_000110007_00002 CS_OFFL_SIR_FDM_2_20001027110062_0001007100002 CS_OFFL_SIR_FDM_2_20001027110062_0001007100002 CS_OFFL_SIR_FDM_2_20001027110062_0001007100002 CS_OFFL_SIR_FDM_2_20001027110062_0001007100002 CS_OFFL_SIR_FDM_2_20001027110062_0001007100002 CS_OFFL_SIR_FDM_2_20001027110062_0001007100002 CS_OFFL_SIR_FDM_2_20001027110062_00	CS_OFFL_SIR_FDM_220201202T040107_20201202T043404_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20201202T109341_20201202T09342_2001 CS_OFFL_SIR_FDM_2_20201202T09345_20201202T09342_2001 CS_OFFL_SIR_FDM_2_20201202T093551_20201202T0934042_2001 CS_OFFL_SIR_FDM_2_20201202T093551_20201202T0934042_2001 CS_OFFL_SIR_FDM_2_20201202T093551_20201202T09300_2001 CS_OFFL_SIR_FDM_2_20201202T093551_20201202T09300_2001 CS_OFFL_SIR_FDM_2_20201202T093551_20201202T09300_2001 CS_OFFL_SIR_FDM_2_20201202T093501_20201202T09300_2001 CS_OFFL_SIR_FDM_2_20201202T093501_20201202T09300_2001 CS_OFFL_SIR_FDM_2_20201202T093501_20201202T09300_2001 CS_OFFL_SIR_FDM_2_20201202T093501_20201202T09300_2001 CS_OFFL_SIR_FDM_2_20201202T093501_20201202T09300_2001 CS_OFFL_SIR_FDM_2_20201202T093501_20201202T09300_2001 CS_OFFL_SIR_FDM_2_20201202T093501_20201202T09300_2001 CS_OFFL_SIR_FDM_2_20201202T093501_20201202T09300_2001 CS_OFFL_SIR_FDM_2_20201202T093502_2001 CS_OFFL_SIR_FDM_2_20201202T109302_2001 CS_OFFL_SIR_FDM_2_20201202T109302_2001 CS_OFFL_SIR_FDM_2_20201202T109302_2001 CS_OFFL_SIR_FDM_2_20201202T109302_2001002T109302_2001 CS_OFFL_SIR_FDM_2_20201202T109302_2001002T109302_2001 CS_OFFL_SIR_FDM_2_20201202T109302_2001002T109302_2001 CS_OFFL_SIR_FDM_2_20201202T109302_2001002T109302_2001 CS_OFFL_SIR_FDM_2_20201202T109302_2001002T109302_2001 CS_OFFL_SIR_FDM_2_20201202T1093042_20201202T109302_2001 CS_OFFL_SIR_FDM_2_20201202T1093042_20201202T109302_2001 CS_OFFL_SIR_FDM_2_20201202T1093042_20201202T109302_2001 CS_OFFL_SIR_FDM_2_20201202T1093042_20201202T109302_2001 CS_OFFL_SIR_FDM_2_20201202T1093042_20201202T109302_2001 CS_OFFL_SIR_FDM_2_20201202T109402_2000102T109402_2001 CS_OFFL_SIR_FDM_2_20201202T109402_2000102T109402_2000	CS_OFFL_SIR_FDM_220201202T060050_20201202T061250_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20201202T10962_202120T10923_CO11 CS_OFFL_SIR_FDM_2_20201202T09612_202120T09533_CO11 CS_OFFL_SIR_FDM_2_20201202T09612_202120T096130_CO11 CS_OFFL_SIR_FDM_2_20201202T09612_202120T09530_CO11 CS_OFFL_SIR_FDM_2_20201202T09612_202120T09530_CO11 CS_OFFL_SIR_FDM_2_20201202T09612_202120T09530_CO11 CS_OFFL_SIR_FDM_2_20201202T09612_202120T09530_CO11 CS_OFFL_SIR_FDM_2_20201202T09612_202120T09530_CO11 CS_OFFL_SIR_FDM_2_20201202T09612_2020120T09530_CO11 CS_OFFL_SIR_FDM_2_20201202T09612_20201202T109530_CO11 CS_OFFL_SIR_FDM_2_20201202T09612_2020120T09530_CO11 CS_OFFL_SIR_FDM_2_20201202T10962_2020120T100920_CO11 CS_OFFL_SIR_FDM_2_20201202T100920_CO11 CS_OFFL_SIR_FDM_2_20201202T100920_CO1100920_	CS_OFFL_SIR_FDM_220201202T063014_20201202T065612_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20201202T00512_20201202T00539_0001 CS_OFFL_SIR_FDM_2_20201202T00512_20201202T00539_0001 CS_OFFL_SIR_FDM_2_20201202T007179_20201202T00539_0001 CS_OFFL_SIR_FDM_2_20201202T007179_20201202T00539_0001 CS_OFFL_SIR_FDM_2_20201202T007179_20201202T00539_0001 CS_OFFL_SIR_FDM_2_20201202T007179_20201202T00539_0001 CS_OFFL_SIR_FDM_2_20201202T007179_20201202T00539_0001 CS_OFFL_SIR_FDM_2_20201202T007079_20201202T00539_0001 CS_OFFL_SIR_FDM_2_20201202T007079_20201202T00539_0001 CS_OFFL_SIR_FDM_2_20201202T100539_0001 CS_OFFL_SIR_FDM_2_20201202T100549_0001202T10055_0001 CS_OFFL_SIR_FDM_2_20201202T100549_0001202T1055_0001 CS_OFFL_SIR_FDM_2_20201202T100549_0001202T1055_0001 CS_OFFL_SIR_FDM_2_20201202T10509_0001 CS_OFFL_SIR_FD	CS_OFFL_SIR_FDM_220201202T073648_20201202T073943_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20201202T09512_20201202T09509. CS_OFFL_SIR_FDM_2_20201202T09512_20201202T09509. CS_OFFL_SIR_FDM_2_20201202T09719_20201202T093007_C001 CS_OFFL_SIR_FDM_2_20201202T100643_20201202T093007_C001 CS_OFFL_SIR_FDM_2_20201202T100643_20201202T093007_C001 CS_OFFL_SIR_FDM_2_20201202T100643_20201202T100929_C001 CS_OFFL_SIR_FDM_2_20201202T100924_20201202T100929_C001 CS_OFFL_SIR_FDM_2_20201202T100924_20201202T100920_C001 CS_OFFL_SIR_FDM_2_20201202T100924_20201202T100920_C001 CS_OFFL_SIR_FDM_2_20201202T100924_20201202T100920_C001 CS_OFFL_SIR_FDM_2_20201202T100924_20201202T1019024_C001 CS_OFFL_SIR_FDM_2_20201202T101924_20201202T1019024_C001 CS_OFFL_SIR_FDM_2_20201202T101924_20201202T1019025_C001 CS_OFFL_SIR_FDM_2_20201202T101924_20201202T1019025_C001 CS_OFFL_SIR_FDM_2_20201202T104022_20201202T104025_C001 CS_OFFL_SIR_FDM_2_20201202T104044_20201202T104025_C001 CS_OFFL_SIR_FDM_2_20201202T104044_20201202T104055_C001 CS_OFFL_SIR_FDM_2_20201202T104045_2020120T104055_C001 CS_OFFL_SIR_FDM_2_20201202T105046_2020120T105159_C001 CS_OFFL_SIR_FDM_2_20201202T105046_2020120T105159_C001 CS_OFFL_SIR_FDM_2_20201202T105046_20201202	CS_OFFL_SIR_FDM_220201202T074008_20201202T075233_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20201202T09519_20201202T09109_C001 CS_OFFL_SIR_FDM_2_20201202T10092_C001 CS_OFFL_SIR_FDM_2_20201202T10092_C001 CS_OFFL_SIR_FDM_2_20201202T10092_C001 CS_OFFL_SIR_FDM_2_20201202T10092_C001 CS_OFFL_SIR_FDM_2_20201202T10092_C001 CS_OFFL_SIR_FDM_2_20201202T10092_C001 CS_OFFL_SIR_FDM_2_20201202T101092_20201202T101802_C001 CS_OFFL_SIR_FDM_2_20201202T101924_20201202T101802_C001 CS_OFFL_SIR_FDM_2_20201202T101924_20201202T101802_C001 CS_OFFL_SIR_FDM_2_20201202T101924_20201202T101802_C001 CS_OFFL_SIR_FDM_2_20201202T101924_20201202T101920_C001 CS_OFFL_SIR_FDM_2_20201202T101924_20201202T101920_C001 CS_OFFL_SIR_FDM_2_20201202T101924_20201202T101920_C001 CS_OFFL_SIR_FDM_2_20201202T101924_20201202T101920_C001 CS_OFFL_SIR_FDM_2_20201202T104041_20201202T11000_C001 CS_OFFL_SIR_FDM_2_20201202T104044_20201202T11000_C001 CS_OFFL_SIR_FDM_2_20201202T104044_20201202T104000_C001 CS_OFFL_SIR_FDM_2_20201202T104044_20201202T104000_C001 CS_OFFL_SIR_FDM_2_20201202T104000_C001 CS_OFFL_SIR_FDM_2_	CS_OFFL_SIR_FDM_220201202T082551_20201202T084242_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20201202T109479_20201202T101802_C001 CS_OFFL_SIR_FDM_2_20201202T101052_20201202T101802_C001 CS_OFFL_SIR_FDM_2_20201202T101052_20201202T101802_C001 CS_OFFL_SIR_FDM_2_20201202T101052_20201202T101802_C001 CS_OFFL_SIR_FDM_2_20201202T101052_20201202T101802_C001 CS_OFFL_SIR_FDM_2_20201202T101052_20201202T101802_C001 CS_OFFL_SIR_FDM_2_20201202T101052_20201202T101005 CS_OFFL_SIR_FDM_2_20201202T1010052_20201202T104025_C001 CS_OFFL_SIR_FDM_2_20201202T104022_20201202T104025_C001 CS_OFFL_SIR_FDM_2_20201202T104022_20201202T104025_C001 CS_OFFL_SIR_FDM_2_20201202T104041_20201202T101005_C001 CS_OFFL_SIR_FDM_2_20201202T104041_20201202T11005_C001 CS_OFFL_SIR_FDM_2_20201202T104041_20201202T11005_C001 CS_OFFL_SIR_FDM_2_20201202T104042_20201202T10405_C001 CS_OFFL_SIR_FDM_2_20201202T104041_20201202T11005_C001 CS_OFFL_SIR_FDM_2_20201202T104062_20201202T11005_C001 CS_OFFL_SIR_FDM_2_20201202T104062_20201202T11005_C001 CS_OFFL_SIR_FDM_2_20201202T104062_20201202T11005_C001 CS_OFFL_SIR_FDM_2_20201202T104062_20201202T11005_C001 CS_OFFL_SIR_FDM_2_20201202T104062_20201202T11005_C001 CS_OFFL_SIR_FDM_2_20201202T1005042_2001020T100505_C001 CS_OFFL_SIR_FDM_2_20201202T1005042_2001020T100505_C001 CS_OFFL_SIR_FDM_2_20201202T1005042_2001020T100505_C001 CS_OFFL_SIR_FDM_2_20201202T1005042_2001020T100505_C001 CS_OFFL_SIR_FDM_2_20201202T1005042_2001020T2100505_C001 CS_OFFL_SIR_FDM_2_20201202T1005042_2001020T2100505_C001 CS_OFFL_SIR_FDM_2_20201202T1005042_2001020T2100505_	CS_OFFL_SIR_FDM_220201202T090512_20201202T091539_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20201202T10062_20201202T101802_C001 CS_OFFL_SIR_FDM_2_20201202T101824_20201202T101802_C001 CS_OFFL_SIR_FDM_2_20201202T101824_20201202T102111_C001 CS_OFFL_SIR_FDM_2_20201202T101824_20201202T104825_C001 CS_OFFL_SIR_FDM_2_20201202T104825_20201202T104825_C001 CS_OFFL_SIR_FDM_2_20201202T104841_20201202T104825_C001 CS_OFFL_SIR_FDM_2_20201202T104841_20201202T104825_C001 CS_OFFL_SIR_FDM_2_20201202T10444_20201202T11055_C001 CS_OFFL_SIR_FDM_2_20201202T10444_20201202T11055_C001 CS_OFFL_SIR_FDM_2_20201202T10444_20201202T11405_C001 CS_OFFL_SIR_FDM_2_20201202T10444_20201202T11405_C001 CS_OFFL_SIR_FDM_2_20201202T10444_20201202T11405_C001 CS_OFFL_SIR_FDM_2_20201202T10444_20201202T11405_C001 CS_OFFL_SIR_FDM_2_20201202T10444_20201202T114201_C001 CS_OFFL_SIR_FDM_2_20201202T10444_20201202T1142001 CS_OFFL_SIR_FDM_2_20201202T10444_2001202T1044550_C001 CS_OFFL_SIR_FDM_2_20201202T153045_2020120T153159_C001 CS_OFFL_SIR_FDM_2_20201202T153045_2020120T104523_C001 CS_OFFL_SIR_FDM_2_20201202T165945_2020120T104523_C001 CS_OFFL_SIR_FDM_2_20201202T165945_2020120T104523_C001 CS_OFFL_SIR_FDM_2_2020120Z1165945_2020120Z1712335_C001 CS_OFFL_SIR_FDM_2_2020120Z1165945_2020120Z172335_C001 CS_OFFL_SIR_FDM_2_2020120Z1165945_2020120Z172335_C001 CS_OFFL_SIR_FDM_2_2020120Z1165945_2020120Z172335_C001 CS_OFFL_SIR_FDM_2_2020120Z12156_2020120Z122330_C001 CS_OFFL_SIR_FDM_2_2020120Z12156_2020120Z122330_C001 CS_OFFL_SIR_FDM_2_2020120Z12113_00010	CS_OFFL_SIR_FDM_220201202T091719_20201202T093107_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20201202T101924_20201202T101802_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CS_OFFL_SIR_FDM_2_20201202T104622_20201202T104925_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status F	CS_OFFL_SIR_FDM_220201202T100643_20201202T100929_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_2020120ZT104924_2020120ZT104925_C001 CS_OFFL_SIR_FDM_2_2020120ZT104924_2020120ZT104925_C001 CS_OFFL_SIR_FDM_2_2020120ZT104941_2020120ZT111005_C001 CS_OFFL_SIR_FDM_2_2020120ZT104941_2020120ZT111005_C001 CS_OFFL_SIR_FDM_2_2020120ZT104941_2020120ZT1140201_C001 CS_OFFL_SIR_FDM_2_2020120ZT140144_2020120ZT142201_C001 CS_OFFL_SIR_FDM_2_2020120ZT140144_2020120ZT142201_C001 CS_OFFL_SIR_FDM_2_2020120ZT140144_2020120ZT142201_C001 CS_OFFL_SIR_FDM_2_2020120ZT14550_2020120ZT15742_C001 CS_OFFL_SIR_FDM_2_2020120ZT153045_2020120ZT15750_C001 CS_OFFL_SIR_FDM_2_2020120ZT153045_2020120ZT15750_C001 CS_OFFL_SIR_FDM_2_2020120ZT155045_2020120ZT15750_C001 CS_OFFL_SIR_FDM_2_2020120ZT155045_2020120ZT1200019_C001 CS_OFFL_SIR_FDM_2_2020120ZT155045_2020120ZT21305_C001 CS_OFFL_SIR_FDM_2_2020120ZT21550_C001 CS_OFFL_SIR_FD	CS_OFFL_SIR_FDM_220201202T101052_20201202T101802_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20201202T104622_20201202T11005_C001 CS_OFFL_SIR_FDM_2_20201202T140144_20201202T111005_C001 CS_OFFL_SIR_FDM_2_20201202T140144_20201202T14201_C001 CS_OFFL_SIR_FDM_2_20201202T140144_20201202T14201_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Status Flag Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SW	CS_OFFL_SIR_FDM_220201202T101924_20201202T102111_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20201202T140144_20201202T142201_C001 CS_OFFL_SIR_FDM_2_20201202T140144_20201202T142201_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CS_OFFL_SIR_FDM_2_20201202T144550_20201202T151742_C001 CS_OFFL_SIR_FDM_2_20201202T153045_20201202T151759_C001 CS_OFFL_SIR_FDM_2_20201202T153045_20201202T153159_C001 CS_OFFL_SIR_FDM_2_20201202T163046_20201202T164523_C001 CS_OFFL_SIR_FDM_2_20201202T163046_20201202T164523_C001 CS_OFFL_SIR_FDM_2_20201202T165994_20201202T164523_C001 CS_OFFL_SIR_FDM_2_20201202T165994_20201202T192352_C001 CS_OFFL_SIR_FDM_2_20201202T195994_20201202T192352_C001 CS_OFFL_SIR_FDM_2_20201202T195948_20201202T200919_C001 CS_OFFL_SIR_FDM_2_20201202T195948_20201202T200919_C001 CS_OFFL_SIR_FDM_2_20201202T21556_20201202T213613_C001 CS_OFFL_SIR_FDM_2_20201202T21556_20201202T213613_C001 CS_OFFL_SIR_FDM_2_20201202T21556_20201202T213613_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CS_OFFL_SIR_FDM_2_20201202T2156_20201202T213613_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CS_OFFL_SIR_FDM_2_20201202T2156_20201202T213613_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CS_OFFL_SIR_FDM_2_20201202T2156_20201202T213613_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CS_OFFL_SIR_FDM_2_20201202T213752_20201202T213613_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CS_OFFL_SIR_FDM_2_20201202T213752_20201202T221320_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Square	CS_OFFL_SIR_FDM_220201202T104622_20201202T104925_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
SOFFL_SIR_FDM_2_20201202T144550_20201202T15742_C001 CS_OFFL_SIR_FDM_2_20201202T144550_20201202T15742_C001 CS_OFFL_SIR_FDM_2_20201202T153045_20201202T153159_C001 CS_OFFL_SIR_FDM_2_20201202T153045_20201202T153159_C001 CS_OFFL_SIR_FDM_2_20201202T153045_20201202T153159_C001 CS_OFFL_SIR_FDM_2_20201202T16406_20201202T164523_C001 CS_OFFL_SIR_FDM_2_20201202T165934_20201202T192352_C001 CS_OFFL_SIR_FDM_2_20201202T185934_20201202T192352_C001 CS_OFFL_SIR_FDM_2_20201202T195848_20201202T192352_C001 CS_OFFL_SIR_FDM_2_20201202T195848_20201202T20919_C001 CS_OFFL_SIR_FDM_2_20201202T12156_20201202T213613_C001 CS_OFFL_SIR_FDM_2_20201202T213552_20201202T213613_C001 CS_OFFL_SIR_FDM_2_20201202T213552_20201202T213613_C001 CS_OFFL_SIR_FDM_2_20201202T213552_20201202T213613_C001 CS_OFFL_SIR_FDM_2_20201202T213552_20201202T213613_C001 CS_OFFL_SIR_FDM_2_20201202T213552_20201202T21330_C001 CS_OFFL_SIR_FDM_2_20201202T213552_20201202T21330_C001 CS_OFFL_SIR_FDM_2_20201202T221442_20201202T221330_C001 CS_OFFL_SIR_FDM_2_20201202T221442_20201202T221330_C001 CS_OFFL_SIR_FDM_2_20201202T221442_20201202T221330_C001 CS_OFFL_SIR_FDM_2_20201202T221442_20201202T221330_C001 CS_OFFL_SIR_FDM_2_20201202T221442_20201202T221330_C001 CS_OFFL_SIR_FDM_2_20201202T221442_20201202T221330_C001 CS_OFFL_SIR_FDM_2_20201202T221442_2020120ZT221330_C001 CS_OFFL_SIR_FDM_2_2020120ZT221442_2020120ZT221330_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag	CS_OFFL_SIR_FDM_220201202T104941_20201202T111005_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20201202T14350_20201202T153159_C001 CS_OFFL_SIR_FDM_2_20201202T163045_20201202T153159_C001 CS_OFFL_SIR_FDM_2_20201202T162406_20201202T164523_C001 CS_OFFL_SIR_FDM_2_20201202T162406_20201202T164523_C001 CS_OFFL_SIR_FDM_2_20201202T185934_20201202T192352_C001 CS_OFFL_SIR_FDM_2_20201202T185934_20201202T192352_C001 CS_OFFL_SIR_FDM_2_20201202T185934_20201202T192352_C001 CS_OFFL_SIR_FDM_2_20201202T195848_20201202T20919_C001 CS_OFFL_SIR_FDM_2_20201202T195848_20201202T20919_C001 CS_OFFL_SIR_FDM_2_20201202T21356_20201202T213613_C001 CS_OFFL_SIR_FDM_2_20201202T213752_20201202T21301_C001 CS_OFFL_SIR_FDM_2_20201202T213752_20201202T21301_C001 CS_OFFL_SIR_FDM_2_20201202T213752_20201202T21301_C001 CS_OFFL_SIR_FDM_2_20201202T22113_00201202T21330_C001 CS_OFFL_SIR_FDM_2_20201202T22113_20201202T22130_C001 CS_OFFL_SIR_FDM_2_20201202T22113_00201202T22130_C001 CS_OFFL_SIR_FDM_2_20201202T22113_00201202T22130_C001 CS_OFFL_SIR_FDM_2_20201202T22113_00201202T22130_C001 CS_OFFL_SIR_FDM_2_20201202T22113_00201202T22130_C001 CS_OFFL_SIR_FDM_2_20201202T2211442_20201202T22130_C001 CS_OFFL_SIR_FDM_2_20201202T2211442_20201202T22130_C001 CS_OFFL_SIR_FDM_2_20201202T221442_20201202T22130_C001 CS_OFFL_S	CS_OFFL_SIR_FDM_220201202T140144_20201202T142201_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20201202T153045_20201202T164523_C001 CS_OFFL_SIR_FDM_2_20201202T162406_20201202T164523_C001 CS_OFFL_SIR_FDM_2_20201202T162406_20201202T192352_C001 CS_OFFL_SIR_FDM_2_20201202T185934_20201202T192352_C001 CS_OFFL_SIR_FDM_2_20201202T195848_20201202T192352_C001 CS_OFFL_SIR_FDM_2_20201202T195848_20201202T209919_C001 CS_OFFL_SIR_FDM_2_20201202T12156_20201202T213613_C001 CS_OFFL_SIR_FDM_2_20201202T212156_20201202T213613_C001 CS_OFFL_SIR_FDM_2_20201202T213752_20201202T213613_C001 CS_OFFL_SIR_FDM_2_20201202T213752_20201202T21330_C001 CS_OFFL_SIR_FDM_2_20201202T213752_20201202T21330_C001 CS_OFFL_SIR_FDM_2_20201202T221113_20201202T221320_C001 CS_OFFL_SIR_FDM_2_20201202T221113_20201202T221330_C001 CS_OFFL_SIR_FDM_2_20201202T221113_20201202T221330_C001 CS_OFFL_SIR_FDM_2_20201202T221442_20201202T221330_C001 CS_OFFL_SIR_FDM_2_20201202T221442	CS_OFFL_SIR_FDM_220201202T144550_20201202T151742_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20201202T162406_20201202T164523_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag 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 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 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 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 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 ignored for these records. CFI Backscatter Status Flag, SWH Squared Averaging Status Flag ignored for these records. CFI Backscatter Status Flag, SWH Squared Averaging Status Flag ignored for these records. CFI Backscatter Status Flag, SWH Squared Averaging Status Flag ignored for these records. CFI Backscatter Status Flag, SWH Squared Averaging Status Flag ignored for these records. CFI Backscatter Status Flag, SWH Squared Averaging Status Flag ignored for these records. CFI Backscatter Status Flag, SWH Squared Averaging Status Flag ignored for these records. CFI Backscatter Status Flag, SWH Squared Averaging Status Flag ignored for these records. CFI Backscatter Status Flag, SWH Squared Averaging Status Flag 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 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 indicating the values stored in fields #41, #42, #43 and #44 shou	CS_OFFL_SIR_FDM_220201202T153045_20201202T153159_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20201202T185934_20201202T200919_C001 CS_OFFL_SIR_FDM_2_20201202T195848_20201202T200919_C001 CS_OFFL_SIR_FDM_2_20201202T212156_20201202T213613_C001 CS_OFFL_SIR_FDM_2_20201202T212156_20201202T213613_C001 CS_OFFL_SIR_FDM_2_20201202T213752_20201202T214301_C001 CS_OFFL_SIR_FDM_2_20201202T21113_20201202T221320_C001 CS_OFFL_SIR_FDM_2_20201202T221113_20201202T22133_C001 CS_OFFL_SIR_FDM_2_20201202T221113_20201202T22133_C001 CS_OFFL_SIR_FDM_2_20201202T221113_20201202T22133_C001 CS_OFFL_SIR_FDM_2_20201202T221113_20201202T22133_C001 CS_OFFL_SIR_FDM_2_20201202T221142_20201202T22133_C001 CS_OFFL_SIR_FDM_2_20201202T221442_20201202T22133_C001 CS_OFFL_SIR_FDM_2_20201202T221442_20201202T22133_C001 CS_OFFL_SIR_FDM_2_20201202T221442_20201202T22133_C001 CS_OFFL_SIR_FDM_2_20201202T221442_20201202T22133_C001 CS_OFFL_SIR_FDM_2_20201202T221442_20201202T222153_C001 CS_OFFL_SIR_FDM_2_20201202T221442_20201202T222153_C001 CS_OFFL_SIR_FDM_2_20201202T221442_20201202T222153_C001 CS_OFFL_SIR_FDM_2_20201202T221442_20201202T222153_C001 CS_OFFL_SIR_FDM_2_20201202T221442_20201202T222153_C001 CS_OFFL_SIR_FDM_2_20201202T221442_20201202T222153_C001 CS_OFFL_SIR_FDM_2_20201202T221442_20201202T222153_C001 CS_OFFL_SIR_FDM_2_20201202T221442_20201202T222153_C001 CS_OFFL_SIR_FDM_2_20201202T221442_20201202T222453_C001 CS_OFFL_SIR_FDM_2_20201202T221442_20201202T222453_C001 CS_OFFL_SIR_FDM_2_20201202T221442_20201202T222453_C001 CS_OFFL_SIR_FDM_2_20201202T221442_20201202T222453_C001 CS_OFFL_SIR_FDM_2_20201202T230142_20201202T232443_C001 CS_OFFL_SIR_FDM_2_20201202T230142_20201202T232443_C001 CS_OFFL_SIR_FDM_2_20201202T230142_20201202T232443_C001 CS_OFFL_SIR_FDM_2_20201202T230142_20201202T232443_C001 CS_OFFL_SIR_FDM_2_20201202T230142_20201202T232443_C001 CS_OFFL_SIR_FDM_2_20201202T230142_20201202T232443_C001 CS_OFFL_SIR_FDM_2_20201202T230142_20201202T232443_C001 CS_OFFL_SIR_FDM_2_20201202T230142_20201202T232443_C001 CS_OFFL_SIR_FDM_2_20201202T230142_20201202T232443_C001 CS_OFFL_SIR_FDM_2_20201202T230142_202012	CS_OFFL_SIR_FDM_220201202T162406_20201202T164523_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20201202T212156_20201202T213613_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CS_OFFL_SIR_FDM_2_20201202T213752_20201202T214301_C001 CS_OFFL_SIR_FDM_2_20201202T213752_20201202T214301_C001 CS_OFFL_SIR_FDM_2_20201202T221113_20201202T221320_C001 CS_OFFL_SIR_FDM_2_20201202T221113_20201202T221320_C001 CS_OFFL_SIR_FDM_2_20201202T221143_20201202T221320_C001 CS_OFFL_SIR_FDM_2_20201202T221442_20201202T22153_C001 CS_OFFL_SIR_FDM_2_20201202T221442_20201202T22153_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CS_OFFL_SIR_FDM_2_20201202T221113_20201202T221320_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CS_OFFL_SIR_FDM_2_20201202T221442_20201202T22153_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status F	CS_OFFL_SIR_FDM_220201202T185934_20201202T192352_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20201202T21366_20201202T213613_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CS_OFFL_SIR_FDM_2_20201202T213752_20201202T214301_C001 CS_OFFL_SIR_FDM_2_20201202T221113_20201202T221320_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CS_OFFL_SIR_FDM_2_20201202T221113_20201202T221320_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CS_OFFL_SIR_FDM_2_20201202T221113_20201202T221320_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CS_OFFL_SIR_FDM_2_20201202T221442_20201202T22153_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CS_OFFL_SIR_FDM_2_20201202T221442_20201202T222153_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter S	CS_OFFL_SIR_FDM_220201202T195848_20201202T200919_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20201202T213752_20201202T214301_C001 CS_OFFL_SIR_FDM_2_20201202T221113_20201202T221320_C001 CS_OFFL_SIR_FDM_2_20201202T221113_20201202T22153_C001 CS_OFFL_SIR_FDM_2_20201202T221442_20201202T22153_C001 CS_OFFL_SIR_FDM_2_20201202T221442_20201202T22153_C001 CS_OFFL_SIR_FDM_2_20201202T221442_20201202T222153_C001 CS_OFFL_SIR_FDM_2_20201202T221442_20201202T222153_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CS_OFFL_SIR_FDM_2_20201202T221442_20201202T222153_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag	CS_OFFL_SIR_FDM_220201202T212156_20201202T213613_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20201202T221113_20201202T221320_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CS_OFFL_SIR_FDM_2_20201202T221442_20201202T222153_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CS_OFFL_SIR_FDM_2_20201202T221442_20201202T222153_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CS_OFFL_SIR_FDM_2_20201202T230142_20201202T232443_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag CFI	CS_OFFL_SIR_FDM_220201202T213752_20201202T214301_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20201202T221442_20201202T222153_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag Indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records. CFI Backscatter Status Flag, SWH CS_OFFL_SIR_FDM_2_20201202T230142_20201202T232443_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag 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	CS_OFFL_SIR_FDM_220201202T221113_20201202T221320_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20201202T230142_20201202T232443_C001	CS_OFFL_SIR_FDM_220201202T221442_20201202T222153_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
ignored for these records.	CS_OFFL_SIR_FDM_220201202T230142_20201202T232443_C001		

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.

Product CS_OFFL_SIR_FDM_2_20201201T235254_20201202T001631_C001	Ocean Retracking Quality Flag	Description 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
CS_OFFL_SIR_FDM_2_20201202T004912_20201202T011517_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_220201202T013204_20201202T015934_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_220201202T020630_20201202T020851_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_220201202T022220_20201202T025348_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220201202T040107_20201202T043404_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_220201202T051117_20201202T051608_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_220201202T053724_20201202T060007_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_220201202T060050_20201202T061250_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_220201202T063014_20201202T065612_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_220201202T071828_20201202T073037_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_220201202T073519_20201202T073635_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.
CS OFFL SIR FDM 2 20201202T073648 20201202T073943 C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_220201202T074008_20201202T075233_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_220201202T081038_20201202T082337_C001	Ocean Retracking Quality Flag	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
CS_OFFL_SIR_FDM_220201202T082551_20201202T084242_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_220201202T090512_20201202T091539_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_220201202T091719_20201202T093107_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220201202T095558_20201202T095942_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_220201202T100643_20201202T100929_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_220201202T101052_20201202T101802_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_220201202T101924_20201202T102111_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_220201202T104622_20201202T104925_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_220201202T104941_20201202T111005_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_220201202T112544_20201202T115924_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_220201202T122519_20201202T124910_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_220201202T130521_20201202T133658_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_220201202T140144_20201202T142201_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_220201202T144550_20201202T151742_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_220201202T153045_20201202T153159_C001	Ocean Retracking Quality Flag	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
CS_OFFL_SIR_FDM_220201202T162406_20201202T164523_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_220201202T164808_20201202T165832_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_220201202T172905_20201202T173417_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220201202T180327_20201202T182929_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
CS_OFFL_SIR_FDM_220201202T183108_20201202T183707_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_220201202T185934_20201202T192352_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_220201202T194744_20201202T195830_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_220201202T195848_20201202T200919_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_220201202T203241_20201202T204822_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_220201202T205715_20201202T210620_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_220201202T212156_20201202T213613_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_220201202T213752_20201202T214301_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_220201202T221113_20201202T221320_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_220201202T221442_20201202T222153_C001	Ocean Retracking Quality Flag	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
CS_OFFL_SIR_FDM_220201202T222316_20201202T224623_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_220201202T230142_20201202T232443_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_220201202T233606_20201202T233656_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.

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
SIR1LRM_0_	185	185	179	6	0
SIR1SAR_0_	116	116	116	0	0
SIR1SIN_0_	108	108	108	0	0
SIR2SIN_0_	114	114	114	0	0
SIR_FDM_1B	185	185	1	0	184
SIR FDM 2	180	180	121	59	0

7.1 QCC Errors

Number of QCC reports with errors:

184

197

Total number of occurrences of each error

					i otal ilullibel	or occurrences	OI Eacil Elloi				
Product Type	UVOB	-	-	-	-	-	-	-	-	-	-
SIR_FDM_1B	184										

Test Description Key:					
Abbreviation	Test name	Details			
UVOB	UnitVectorOrBlank_6	The three array elements should form a unit vector (using a scale factor of 10^-6)			

7.2 QCC Warnings

Number of QCC reports with warnings

Total number of occurrences of each warning

Product Type	MVSIO	MVSIOFD	QF	RBSZO	RBSZOFD	RSSBCO	-	-	-	-	-
SIR1LRM_0_	0	0	6	0	0	0					
SIR FDM 2	43	46	0	42	52	8					

Test Description Key:							
Abbreviation	Test name	Details					
MVSIO	MissingValueShortIntOcean	The value should not be a 'missing value' for surface type 0 only					
MVSIOFD	MissingValueShortIntOceanFD2	The value should not be a 'missing value' for surface type 0 only					
QF	QualityFlag	This quality flag should be 0					
RBSZO	RangeBackscatterSigmaZeroOcean	The backscatter sigma zero should be between 700 and 3000 (or missing) for surface type = ocean					
RBSZOFD	RangeBackscatterSigmaZeroOceanFD2	The backscatter sigma zero should be between 700 and 3000 (or missing) for surface type = ocean					
RSSBCO	RangeSeaStateBiasCorrectionOcean	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean					

7.3 Missing QCC Reports

Number of products with missing QCC reports:

0