



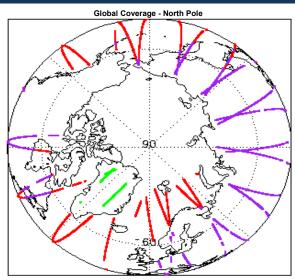
1. Overview

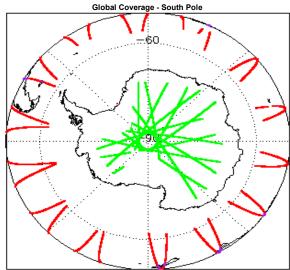
Report Production Date:	31-Oct-2019	
Processor Used:	CryoSat Ice Processor	
Data Used:	L1 and L2 Fast Delivery Marine (FDM)	

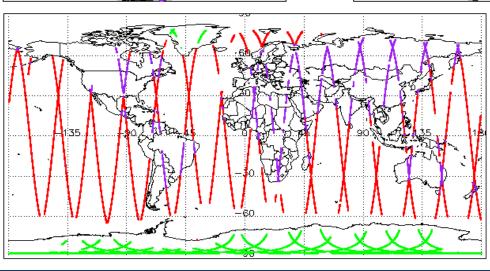
21.1	0.1
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2, 5.2 and 6.2
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check	Nominal
Auxiliary Data File Usage Check	Nominal
Auxiliary Correction Error Check	See Section 5.6 and 6.4
Measurement Confidence Data Check	See Section 5.7, 6.5, 6.6, 6.7 and 6.8

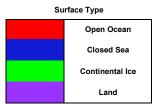
	Mission / Instru	ment News
	29-Oct-2019	None
۱	30-Oct-2019	GIM Ionospheric Corrections missing until 20191030T120000 due to delayed delivery of the auxillary file.
	31-Oct-2019	Nothing planned

2. Global Coverage









3. Instrument Configuration

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

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

4. Level 0 Data Quality Check

4.1 L0 Product Format Check

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

4.2 L0 Product Header Analysis

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

Number of products with errors:

Product	Test Failed
CS_OPER_SIR1SAR_020191030T002738_20191030T003026_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020191030T011957_20191030T012201_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020191030T152541_20191030T153140_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020191030T153140_20191030T153252_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020191030T202231_20191030T202433_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020191030T233050_20191030T233427_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_0_20191030T234422_20191030T235229_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020191030T083912_20191030T084943_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020191030T130302_20191030T130618_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020191030T171401_20191030T171457_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020191030T030009_20191030T030131_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020191030T105843_20191030T110051_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.

5. Level 1B FDM Data Quality Check

Percentage of processing errors detected greater than minimum acceptable threshold.

5.1 L1B FDM Product Format Check

CS_OPER_SIR2SIN_0__20191030T221335_20191030T221716_0001.HDR

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:

Ω

17

13

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 CS_OFFL_SIR_FDM_1B_20191030T002600_20191030T002728_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). CS_OFFL_SIR_FDM_1B_20191030T020527_20191030T020926_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). CS OFFL SIR FDM 1B 20191030T020926 20191030T021013 C001.DBL FOS Predicted Orbit (MPL ORBPRE) used instead of the DORIS Navigator Orbit (DOR NAV). ${\tt CS_OFFL_SIR_FDM_1B_20191030T073220_20191030T075313_C001.DBL}$ FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). CS_OFFL_SIR_FDM_1B_20191030T075403_20191030T075541_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). CS OFFL SIR FDM 1B 20191030T080043 20191030T080420 C001.DBL FOS Predicted Orbit (MPL ORBPRE) used instead of the DORIS Navigator Orbit (DOR NAV). CS_OFFL_SIR_FDM_1B_20191030T080428_20191030T080437_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). CS_OFFL_SIR_FDM_1B_20191030T080443_20191030T080809_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). CS_OFFL_SIR_FDM_1B_20191030T081140_20191030T083912_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). CS_OFFL_SIR_FDM_1B_20191030T201505_20191030T202104_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). CS_OFFL_SIR_FDM_1B_20191030T202104_20191030T202230_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). CS OFFL SIR FDM 1B 20191030T215506 20191030T215744 C001.DBL FOS Predicted Orbit (MPL ORBPRE) used instead of the DORIS Navigator Orbit (DOR NAV). CS_OFFL_SIR_FDM_1B_20191030T233553_20191030T233619_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). CS_OFFL_SIR_FDM_1B_20191030T233619_20191030T233717_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_20191030T020527_20191030T020926_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20191030T201505_20191030T202104_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20191030T233553_20191030T233619_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.

Product	AUX File	Comment
All FDM_1B files up to 20191030T120000 missing (84 products)	CS_OPER_AUXIIONGIM_20191030T000000_20 191030T235959_0001	Forecast AUXI file missing at the time of processing

5.6 L1B FDM Auxiliary Correction Error Check

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

Number of products with errors:

Product	Test Failed	Description
All FDM_1B files up to 20191030T120000 missing (84 products)	IGIM ionospheric correction	Due to a missing Forecast Auxiliary File there is an error with the lonospheric Correction

5.7 L1B FDM Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20191030T020527_20191030T020926_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20191030T201505_20191030T202104_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20191030T233428_20191030T233541_C001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_FDM_1B_20191030T233553_20191030T233619_C001	Attitude correction missing	The attitude has not been corrected

6. Level 2 FDM Data Quality Check

6.1 L2 FDM Product Format Check

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

Number of products with errors:

6.2 L2 FDM Product Header Analysis

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

Number of products with errors: 1

Product	Test Failed
CS_OFFL_SIR_FDM_220191030T002600_20191030T002728_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220191030T020527_20191030T020926_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220191030T020926_20191030T021013_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220191030T073220_20191030T075313_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220191030T075403_20191030T075541_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220191030T080043_20191030T080420_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220191030T080428_20191030T080437_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220191030T080443_20191030T080809_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220191030T081140_20191030T083912_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220191030T201505_20191030T202104_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220191030T202104_20191030T202230_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220191030T215506_20191030T215744_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220191030T233553_20191030T233619_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220191030T233619_20191030T233717_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).

6.3 L2 FDM Auxiliary Data File Usage Check

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

Number of products with errors:

Product	AUX File	Comment
All FDM_2 files up to 20191030T120000 missing (84 products)	CS_OPER_AUXIIONGIM_20191030T000000_20 191030T235959_0001	Forecast AUXI file missing at the time of processing

6.4 L2 FDM Auxiliary Correction Error Check

Each product is checked to detect auxiliary corrections flagged by the ground-station processing chain as missing or containing errors.

Product	Test Failed	Description
All FDM_2 files up to 20191030T120000 missing (84 products)	GIM Ionospheric Correction	Due to a missing Forecast Auxiliary File there is an error with the lonospheric Correction
CS_OFFL_SIR_FDM_220191029T235955_20191030T000656_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_220191030T000949_20191030T001413_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_220191030T004446_20191030T005604_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_220191030T005850_20191030T011957_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_220191030T013744_20191030T015625_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_220191030T015716_20191030T020139_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_220191030T022437_20191030T023131_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_220191030T023311_20191030T025907_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_220191030T031800_20191030T033027_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records

CS_OFFL_SIR_FDM_220191030T033115_20191030T034821_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more
CS_OFFL_SIR_FDM_220191030T041155_20191030T042125_C001	Sea State Bias Correction, Altimetric	records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_2_20191030T042329_20191030T043755_C001	Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
	Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220191030T045451_20191030T050645_C001	Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220191030T051201_20191030T052448_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_220191030T063300_20191030T065824_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_220191030T073220_20191030T075313_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_220191030T075403_20191030T075541_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_220191030T081140_20191030T083912_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_220191030T090717_20191030T093501_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_220191030T095211_20191030T102515_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 _20191030T103645_20191030T103933_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
CS OFFL SIR FDM 2 20191030T111025 20191030T111147 C001	Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
	Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220191030T113136_20191030T120609_C001	Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220191030T121614_20191030T121836_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_220191030T123618_20191030T125215_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_220191030T131000_20191030T134526_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_220191030T144948_20191030T150102_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_220191030T150223_20191030T150358_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_220191030T150402_20191030T150625_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_220191030T151107_20191030T152235_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_220191030T153806_20191030T155525_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_220191030T155728_20191030T161148_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220191030T162843_20191030T164103_C001	Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
	Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220191030T164220_20191030T164331_C001	Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220191030T164532_20191030T165454_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_220191030T171738_20191030T173424_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_220191030T173949_20191030T175228_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_220191030T182702_20191030T183208_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_220191030T185703_20191030T190536_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_220191030T190620_20191030T193220_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_220191030T194846_20191030T201146_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_220191030T212729_20191030T215454_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
CS OFFL SIR FDM 2 20191030T220203 20191030T220448 C001	Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
	Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220191030T234100_20191030T234110_C001	Wind Speed	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_220191030T020527_20191030T020926_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220191030T201505_20191030T202104_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220191030T233428_20191030T233541_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220191030T233553_20191030T233619_C001	Attitude correction missing	The attitude has not been corrected

6.6 L2 FDM Range Measurement Check

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

Number of products with errors:

33

Test Failed	Description
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.
0 0	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	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	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	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

CS_OFFL_SIR_FDM_2_20191030T041155_20191030T042125_C001 CFI Retracked Range Flag indicating the values scored infisited #13, #14, #15 and #16 should be ignored for these records. CS_OFFL_SIR_FDM_2_20191030T042329_20191030T040755_C001 CFI Retracked Range Flag indicating the values scored infisited #13, #14, #15 and #16 should be ignored for these records. CS_OFFL_SIR_FDM_2_20191030T045451_20191030T050448_C001 CS_OFFL_SIR_FDM_2_20191030T051201_20191030T052448_C001 CS_OFFL_SIR_FDM_2_20191030T051201_20191030T052448_C001 CS_OFFL_SIR_FDM_2_20191030T051201_20191030T05313_C001 CFI Retracked Range Flag indicating the values scored in fisited #13, #14, #15 and #16 should be ignored for these records. CS_OFFL_SIR_FDM_2_20191030T081140_20191030T083012_C001 CFI Retracked Range Flag CFI Retr	е
CFI Retracked Range Flag Indicating the values stored in fields #13, #14, #15 and #16 should be graved for these records. The master fail flag is set by the CFI call, for one or more records, declaring the values stored in fields #13, #14, #15 and #16 should be graved for these records. The master fail flag is set by the CFI call, for one or more records, declaring the values stored in fields #13, #14, #15 and #16 should be graved for these records. The master fail flag is set by the CFI call, for one or more records, declaring the values stored in fields #13, #14, #15 and #16 should be graved for these records. The master fail flag is set by the CFI call, for one or more records, declaring the values stored in fields #13, #14, #15 and #16 should be graved for these records. The master fail flag is set by the CFI call, for one or more records, declaring the values stored in fields #13, #14, #15 and #16 should be graved for these records. The master fail flag is set by the CFI call, for one or more records, declaring the values stored in fields #13, #14, #15 and #16 should be graved for these records. The master fail flag is set by the CFI call, for one or more records, declaring the values stored in fields #13, #14, #15 and #16 should be graved for these records. The master fail flag is set by the CFI call, for one or more records, declaring the values stored in fields #13, #14, #15 and #16 should be graved for these records. The master fail flag is set by the CFI call, for one or more records, declaring the values stored in fields #13, #14, #15 and #16 should be graved for these records. The master fail flag is set by the CFI call, for one or more records, declaring the values stored in fields #13, #14, #15 and #16 should be graved for these records. The master fail flag is set by the CFI call, for one or more records, declaring the values stored in fields #13, #14, #15 and #16 should be graved for these records. The master fail flag is set by the CFI call, for one or more records, declaring the v	Э
CS_OFFL_SIR_FDM_2_20191030T045451_20191030T052448_C001 CS_OFFL_SIR_FDM_2_20191030T051201_20191030T052448_C001 CS_OFFL_SIR_FDM_2_20191030T073220_20191030T075313_C001 CS_OFFL_SIR_FDM_2_20191030T073220_20191030T075313_C001 CFI Retracked Range Flag CS_OFFL_SIR_FDM_2_20191030T073220_20191030T075313_C001 CFI Retracked Range Flag CS_OFFL_SIR_FDM_2_20191030T081140_20191030T083912_C001 CFI Retracked Range Flag CS_OFFL_SIR_FDM_2_20191030T081140_20191030T083912_C001 CFI Retracked Range Flag CS_OFFL_SIR_FDM_2_20191030T08717_20191030T083912_C001 CFI Retracked Range Flag CS_OFFL_SIR_FDM_2_20191030T08717_20191030T085012_C001 CFI Retracked Range Flag CS_OFFL_SIR_FDM_2_20191030T085012_C0191030T102515_C001 CS_OFFL_SIR_FDM_2_20191030T085211_20191030T103933_C001 CFI Retracked Range Flag CS_OFFL_SIR_FDM_2_20191030T095211_20191030T103933_C001 CFI Retracked Range Flag CS_OFFL_SIR_FDM_2_20191030T103645_20191030T103933_C001 CFI Retracked Range Flag CS_OFFL_SIR_FDM_2_20191030T103645_20191030T103933_C001 CFI Retracked Range Flag CS_OFFL_SIR_FDM_2_20191030T103645_20191030T121836_C001 CFI Retracked Range Flag CFI Retracke	Э
CFI Retracked Range Flag product for these records. CS_OFFL_SIR_FDM_2_20191030T05320_20191030T05331_C001 CS_OFFL_SIR_FDM_2_20191030T03220_20191030T05331_C001 CS_OFFL_SIR_FDM_2_20191030T081140_20191030T083912_C001 CS_OFFL_SIR_FDM_2_20191030T081140_20191030T083912_C001 CFI Retracked Range Flag CFI	e
CS_OFFL_SIR_FDM_2_20191030T073220_20191030T075313_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_20191030T081140_20191030T083912_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_20191030T090717_20191030T093501_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_20191030T095211_20191030T102515_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_20191030T103645_20191030T103933_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_20191030T113136_20191030T120509_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_20191030T121614_20191030T121836_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_20191030T131000_20191030T135002_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_20191030T150323_20191030T150325_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_20191030T150402_20191030T150325_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_20191030T150402_20191030T150325_C001 CFI Retracked Range F	е
CFI Retracked Range Flag Indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The mater 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 mater 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 mater 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 mater 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 mater 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 mater 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 mater 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 mater 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 mater 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 mater 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 mater 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 mater fail flag is set by the CFI call, for one or more records, indic	Э
CS_OFFL_SIR_FDM_2_20191030T090717_20191030T1093501_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_20191030T103645_20191030T103933_C001 CFI Retracked Range Flag CFI	a
CS_OFFL_SIR_FDM_2_20191030T103645_20191030T103933_C001 CFI Retracked Range Flag Indicating the values stored in fields #13, #14, #15 and #16 should be gnored 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 gnored for these records. CS_OFFL_SIR_FDM_2_20191030T113136_20191030T120609_C001 CFI Retracked Range Flag CFI	а
CS_OFFL_SIR_FDM_2_20191030T103645_20191030T103933_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_20191030T121614_20191030T121836_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_2_20191030T144948_20191030T150102_C001 CFI Retracked Range Flag CFI Retracked Rang	Э
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_20191030T131000_20191030T134526_C001 CFI Retracked Range Flag CFI Retracked Range Flag 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. CS_OFFL_SIR_FDM_2_20191030T144948_20191030T150102_C001 CFI Retracked Range Flag 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. CS_OFFL_SIR_FDM_2_20191030T150223_20191030T150358_C001 CFI Retracked Range Flag CFI Retracked Range Flag	Э
CS_OFFL_SIR_FDM_2_20191030T121614_20191030T121636_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_20191030T144948_20191030T150102_C001 CFI Retracked Range Flag CF	Э
CS_OFFL_SIR_FDM_2_20191030T131000_20191030T134526_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_20191030T150223_20191030T150358_C001 CFI Retracked Range Flag CF	Э
CS_OFFL_SIR_FDM_2_20191030T144948_20191030T150102_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_20191030T150402_20191030T150625_C001 CFI Retracked Range Flag CFI Retracked Range Flag CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. CS_OFFL_SIR_FDM_2_20191030T151107_20191030T152235_C001 CFI Retracked Range Flag CFI Retracked Ra	Э
CS_OFFL_SIR_FDM_2_20191030T150223_20191030T150358_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_20191030T151107_20191030T152235_C001 CFI Retracked Range Flag CFI Retracked Range Flag CFI Retracked Range Flag CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. CS_OFFL_SIR_FDM_2_20191030T155728_20191030T161148_C001 CFI Retracked Range Flag CFI Retracked Ra	Э
CS_OFFL_SIR_FDM_2_20191030T150402_20191030T150625_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_20191030T155728_20191030T161148_C001 CFI Retracked Range Flag CF	Э
CS_OFFL_SIR_FDM_2_20191030T151107_20191030T152235_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_20191030T162843_20191030T164103_C001 CFI Retracked Range Flag CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. 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.	Э
CS_OFFL_SIR_FDM_2_20191030T155728_20191030T161148_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. CFI Retracked Range Flag CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. CFI Retracked Range Flag CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be	Э
CS_OFFL_SIR_FDM_2_20191030T162843_20191030T164103_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.	Э
CS_OFFL_SIR_FDM_2_20191030T164220_20191030T164331_C001	Э
ignored for these records.	Э
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.	9
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.	Э
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.	Э
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.	Э
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.	e
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.	Э
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.	а
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.	Э

6.7 L2 FDM SWH and Backscatter Measurement Check

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

Product	Test Failed	Description
CS_OFFL_SIR_FDM_2_20191030T000949_20191030T001413_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20191030T005850_20191030T011957_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_220191030T013744_20191030T015625_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20191030T015716_20191030T020139_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.

CR. OFFL. SIR. FEM. 2. 20191030T04555, CR01 CR. OFFL. SIR. FEM. 2. 20191030T0455, CR01 CR. OFFL. SIR. FEM. 2. 20191030T15055, CR01 CR. OFFL. SIR. FEM. 2.	CS_OFFL_SIR_FDM_220191030T022437_20191030T023131_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SR_FDM_2_20191007103642 _20191007103642 _00191007103644 _00191007103644 _00191007103644 _00191007103644 _00191007103644 _00191007103644 _00191007103644 _00191007103644 _00191007103644 _0019100710364 _0019100710	CS_OFFL_SIR_FDM_220191030T023311_20191030T025907_C001		
GG_OFFL_SIR_FDM_2_20191000T109281_20191000T109285_C001 CFI_SIR_FDM_2_20191000T109282_20191000T109285_C001 CFI_SIR_FDM_2_	CS_OFFL_SIR_FDM_220191030T041155_20191030T042125_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_201910307105045_201910307105046_C011 CS_OFFL_SIR_FDM_2_2019103071051201_20191030705131_C011 CS_OFFL_SIR_FDM_2_201910307105101_201910307105011_C011 CS_OFFL_SIR_FDM_2_201910307105011_20191_C011 CS_OFFL_SIR_FDM_2_201910307105011_20191_C011 CS_OFFL_SIR_FDM_2_201910307105011_20191_C011 CS_OFFL_SIR_FDM_2_201910307105011_20191_C011 CS_OFFL_SIR_FDM_2_201910307105011_20191_C011 CS_OFFL_SIR_FDM_2_201910307105011_C011 CS_OFFL_SIR_FDM_2_2019103071105011_C011 CS_OFFL_SIR_FDM_2_2019103071105012_C011 CS_OFFL_SIR_FDM_2_2019103071105012_C011 CS_OFFL_SIR_FDM_2_2019103071105012_C011 CS_OFFL_SIR_FDM_2_2019103071105012_C011 CS_OFFL_SIR_FDM_2_2019103071105012_C011 CS_OFFL_SIR_FDM_2_2019103071105012_C011 CS_OFFL_SIR_FDM_2_2019103071105012_C011001110011 CS_OFFL_SIR_FDM_2_20191030711000111001011001110010011100	CS_OFFL_SIR_FDM_220191030T042329_20191030T043755_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_201910301103014_201910301103014_CSISS_ODII CS_OFFL_SIR_FDM_2_201910301103014_201910301103014_CSISS_ODII CS_OFFL_SIR_FDM_2_201910301103014_201910301103014_CSISS_ODII CS_OFFL_SIR_FDM_2_201910301103014_201910301103014_CSISS_ODII CS_OFFL_SIR_FDM_2_201910301103014_201910301103014_CSISS_ODII CS_OFFL_SIR_FDM_2_201910301103014_201910301103014_CSISS_ODII CS_OFFL_SIR_FDM_2_201910301103014_20191030110308_CSISS_ODII CS_OFFL_SIR_FDM_2_201910301103014_20191030110308_CSISS_ODII CS_OFFL_SIR_FDM_2_201910301103014_CSISS_ODII CS_OFFL_SIR_FDM_2_201910301103014_CSISS_ODII CS_OFFL_SIR_FDM_2_201910301103014_CSISS_ODII CS_OFFL_SIR_FDM_2_201910301103014_CSISS_ODII CS_OFFL_SIR_FDM_2_201910301103014_CSISS_ODII CS_OFFL_SIR_FDM_2_201910301103014_CSISS_ODII CS_OFFL_SIR_FDM_2_201910301103031_CSISS_ODII CS_OFFL_SIR_FDM_2_201910301113030_CSISS_ODII CS_OFFL_SIR_FDM_2_2019103011130301_CSISS_ODII CS_OFFL_SIR_FDM_2_201910301113031_CSISS_ODII CS_OFFL_SIR_FDM_2_201910301113031_CSISS_ODII CS_OFFL_SIR_FDM_2_201910301113031_CSISS_ODII CS_OFFL_SIR_FDM_2_201910301113031_CSISS_ODII CS_OFFL_SIR_FDM_2_201910301113031_CSISS_ODII CS_OFFL_SIR_FDM_2_201910301110031_CSISS_ODII CS_OFFL_SIR_FDM_2_201910301110031_CSISS_ODII CS_OFFL_SIR_FDM_2_201910301110031_CSISS_ODII CS_OFFL_SIR_FDM_2_201910301110031_CSISS_ODII CS_OFFL_SIR_FDM_2_201910301110031_CSISS_ODII CS_OFFL_SIR_FDM_2_201910301110031_CSISS_ODII CS_OFFL_SIR_FDM_2_201910301110031_CSISS_ODII CS_OFFL_SIR_FDM_2_201910301110031_CSISS_ODII CS_OFFL_SIR_FDM_2_201910301110031	CS_OFFL_SIR_FDM_220191030T045451_20191030T050645_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_CFFL_SR_FDM_2_201910007109319_C001 CS_CFFL_SR_FDM_2_201910007109319_C001 CS_CFFL_SR_FDM_2_201910007109319_C001 CS_CFFL_SR_FDM_2_20191000710939_C001 CS_CFFL_SR_FDM_2_20191000710939_C001 CS_CFFL_SR_FDM_2_20191000710939_C001 CS_CFFL_SR_FDM_2_20191000710939_C001 CS_CFFL_SR_FDM_2_20191000710939_C001 CS_CFFL_SR_FDM_2_20191000710939_C001 CS_CFFL_SR_FDM_2_20191000710939_C001 CS_CFFL_SR_FDM_2_20191000710936_C001 CS_CFFL_SR_FDM_2_20191000713460_C001 CS_CFFL_SR_FDM_2_20191000713603_C001 CS_CFFL_SR_FDM_2_201910007136	CS_OFFL_SIR_FDM_220191030T051201_20191030T052448_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20191000719271_201910307109350_C001 CS_OFFL_SIR_FDM_2_20191000709301_20010 CS_OFFL_SIR_FDM_2_201910007109340_201910307109330_C001 CS_OFFL_SIR_FDM_2_201910007109340_201910307109330_C001 CS_OFFL_SIR_FDM_2_201910007109340_201910307109330_C001 CS_OFFL_SIR_FDM_2_201910007109340_201910307109330_C001 CS_OFFL_SIR_FDM_2_20191000713380_201910307120900_C001 CS_OFFL_SIR_FDM_2_20191000713380_201910307120900_C001 CS_OFFL_SIR_FDM_2_20191000713380_201910307120900_C001 CS_OFFL_SIR_FDM_2_201910007131000_201910307134580_C001 CS_OFFL_SIR_FDM_2_201910007131000_201910307134580_C001 CS_OFFL_SIR_FDM_2_201910007131000_201910307134580_C001 CS_OFFL_SIR_FDM_2_201910007131000_201910307134580_C001 CS_OFFL_SIR_FDM_2_201910007131000_201910307150580_C001 CS_OFFL_SIR_FDM_2_201910007131000_201910307150580_C001 CS_OFFL_SIR_FDM_2_201910007131000_201910307150580_C001 CS_OFFL_SIR_FDM_2_201910007150002_201910307150580_C001 CS_OFFL_SIR_FDM_2_201910007150002_201910307150580_C001 CS_OFFL_SIR_FDM_2_201910007150002_201910307150580_C001 CS_OFFL_SIR_FDM_2_201910007150002_201910307150580_C001 CS_OFFL_SIR_FDM_2_201910007150728_201910307150380_C001 CS_OFFL_SIR_FDM_2_201910007150728_201910307150380_C001 CS_OFFL_SIR_FDM_2_201910007150728_201910307150380_C001 CS_OFFL_SIR_FDM_2_201910007150728_201910307150380_C001 CS_OFFL_SIR_FDM_2_201910007150728_201910307150380_C001 CS_OFFL_SIR_FDM_2_201910007150728_20191030716148_C001 CS_OFFL_SIR_FDM_2_201910007150728_20191030716148_C001 CS_OFFL_SIR_FDM_2_201910007150728_20191030716148_C001 CS_OFFL_SIR_FDM_2_201910007150738_20191030716148_C001 CS_OFFL_SIR_FDM_2_201910007150738_20191030716148_C001 CS_OFFL_SIR_FDM_2_2019100071607202_20191030716148_C001 CS_OFFL_SIR_FDM_2_2019100071607202_20191030716148_C001 CS_OFFL_SIR_FDM_2_20191000716202_20191030716148_C001 CS_OFFL_SIR_FDM_2_2019100071607202_20191030716148_C001 CS_OFFL_SIR_FDM_2_20191000716202_201910307162440_C001 CS_OFFL_SIR_FDM_2_20191000716202_201910307162440_C001 CS_OFFL_SIR_FDM_2_20191000716202_201910307162040_C001 CS_O	CS_OFFL_SIR_FDM_220191030T073220_20191030T075313_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20191030T106211_20191030T10235_C001 CS_OFFL_SIR_FDM_2_20191030T10345_20191030T12580C001 CS_OFFL_SIR_FDM_2_20191030T105402_20191030T15035_C001 CS_OFFL_SIR_FDM_2_20191030T150402_20191030T15035_C001 CS_OFFL_SIR_FDM_2_20191030T150402_20191030T16148_001 CS_OFFL_SIR_FDM_2_20191030T150402_20191030T16148_001 CS_OFFL_SIR_FDM_2_20191030T16402_20191030T16140_001 CS_OFFL_SIR_FDM_2_20191030T16402_20191030T16400_001 CS_OFFL_SIR_FDM_2_20191030T16402_20191030T16400_001 CS_OFFL_SIR_FDM_2_20191030T16402_20191030T16400_001 CS_OFFL_SIR_FDM_2_20191030T16402_20191030T16400_001 CS_OFFL_SIR_FDM_2_20191030T16402_20191030T16400_001 CS_OFFL_SIR_FDM_2_20191030T16400_0010116400_001 CS_OFFL_SIR_FDM_2_20191030T16400_0010116400_001 CS_OFFL_SIR_FDM_2_20191030T16400_0010116400_001 CS_OFFL_SIR_FDM_2_20191030T16400_0010116400_001 CS_OFFL_SIR_FDM_2_20191030T16400_0010116400_001 CS_OFFL_SIR_FDM_2_20191030T16400_0010116400_00116400_00116400_00116400_00116400_00116400_00116400_00116400_00116	CS_OFFL_SIR_FDM_220191030T081140_20191030T083912_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20191030T103015_2019_000T103015_0001 CS_OFFL_SIR_FDM_2_20191030T103045_20191030T103033_C001 CS_OFFL_SIR_FDM_2_20191030T103045_20191030T103000_C001 CS_OFFL_SIR_FDM_2_20191030T121614_20191030T121836_C001 CS_OFFL_SIR_FDM_2_20191030T121614_20191030T121836_C001 CS_OFFL_SIR_FDM_2_20191030T1121614_20191030T121836_C001 CS_OFFL_SIR_FDM_2_20191030T1121614_20191030T1030T1000_C001 CS_OFFL_SIR_FDM_2_20191030T1121614_20191030T1000_C001 CS_OFFL_SIR_FDM_2_20191030T1121614_20191030T1000_C001 CS_OFFL_SIR_FDM_2_20191030T11000_20191030T150025_C001 CS_OFFL_SIR_FDM_2_20191030T11000_20191030T150025_C001 CS_OFFL_SIR_FDM_2_20191030T11000_20191030T150025_C001 CS_OFFL_SIR_FDM_2_20191030T11000_20191030T150025_C001 CS_OFFL_SIR_FDM_2_20191030T150023_20191030T150025_C001 CS_OFFL_SIR_FDM_2_20191030T150023_20191030T150025_C001 CS_OFFL_SIR_FDM_2_20191030T150023_20191030T150025_C001 CS_OFFL_SIR_FDM_2_20191030T150023_20191030T150025_C001 CS_OFFL_SIR_FDM_2_20191030T150023_20191030T150025_C001 CS_OFFL_SIR_FDM_2_20191030T150025_C001 CS_OFFL_SIR_FDM_2_20191030T150025_C001 CS_OFFL_SIR_FDM_2_20191030T150025_C001 CS_OFFL_SIR_FDM_2_20191030T150025_C001 CS_OFFL_SIR_FDM_2_20191030T150025_C001 CS_OFFL_SIR_FDM_2_20191030T150025_C001 CS_OFFL_SIR_FDM_2_20191030T150025_C001 CS_OFFL_SIR_FDM_2_20191030T150025_C001 CS_OFFL_SIR_FDM_2_20191030T16003150T100000000000000000000000000000000	CS_OFFL_SIR_FDM_220191030T090717_20191030T093501_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
SC OFFL_SIR_FDM_2_20191030T130345_20191030T120899_C001 CS_OFFL_SIR_FDM_2_20191030T12164_20191030T120899_C001 CS_OFFL_SIR_FDM_2_20191030T12164_20191030T121836_C001 CS_OFFL_SIR_FDM_2_20191030T12164_20191030T13458_C001 CS_OFFL_SIR_FDM_2_20191030T12644_20191030T13458_C001 CS_OFFL_SIR_FDM_2_20191030T14044_20191030T13458_C001 CS_OFFL_SIR_FDM_2_20191030T14044_20191030T13458_C001 CS_OFFL_SIR_FDM_2_20191030T14044_20191030T13458_C001 CS_OFFL_SIR_FDM_2_20191030T150022_20191030T150358_C001 CS_OFFL_SIR_FDM_2_20191030T150022_20191030T150358_C001 CS_OFFL_SIR_FDM_2_20191030T150022_20191030T150358_C001 CS_OFFL_SIR_FDM_2_20191030T150022_20191030T150358_C001 CS_OFFL_SIR_FDM_2_20191030T150022_20191030T150358_C001 CS_OFFL_SIR_FDM_2_20191030T150022_20191030T150235_C001 CS_OFFL_SIR_FDM_2_20191030T150022_20191030T150235_C001 CS_OFFL_SIR_FDM_2_20191030T150022_20191030T150035_C001 CS_OFFL_SIR_FDM_2_20191030T150022_20191030T150035_C001 CS_OFFL_SIR_FDM_2_20191030T150022_20191030T150035_C001 CS_OFFL_SIR_FDM_2_20191030T150022_20191030T150035_C001 CS_OFFL_SIR_FDM_2_20191030T150022_20191030T150035_C001 CS_OFFL_SIR_FDM_2_20191030T150022_20191030T150035_C001 CS_OFFL_SIR_FDM_2_20191030T160032_20191030T16003_C001 CS_OFFL_SIR_FDM_2_20191030T160032_20191030T16003_C001 CS_OFFL_SIR_FDM_2_20191030T160032_20191030T16003_C001 CS_OFFL_SIR_FDM_2_20191030T160032_20191030T16003_C001 CS_OFFL_SIR_FDM_2_20191030T160032_20191030T16003_C001 CS_OFFL_SIR_FDM_2_20191030T16003_20191030T16003_C001 CS_OFFL_SIR_FDM_2_20191030T16003_20191030T16003_C001 CS_OFFL_SIR_FDM_2_20191030T16003_20191030T16003_C001 CS_OFFL_SIR_FDM_2_20191030T16003_20191030T16003_C001 CS_OFFL_SIR_FDM_2_20191030T16003_20191030T16003_C001 CS_OFFL_SIR_FDM_2_20191030T16003_20191030T16003_C001 CS_OFFL_SIR_FDM_2_20191030T16003_20191030T16003_C001 CS_OFFL_SIR_FDM_2_20191030T16003_20191030T16003_C001 CS_OFFL_SIR_FDM_2_20191030T16003_20191030T16003_C001 CS_OFFL_SIR_FDM_2_20191030T160003_20191030T16003_C001 CS_OFFL_SIR_FDM_2_20191030T160000_20191030T16000000000000000000000	CS_OFFL_SIR_FDM_220191030T095211_20191030T102515_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
SC OFFL_SIR_FDM_2_20191030T121614_20191030T121636_C001 CS_OFFL_SIR_FDM_2_20191030T121614_20191030T131636_C001 CS_OFFL_SIR_FDM_2_20191030T131000_20191030T134626_C001 CS_OFFL_SIR_FDM_2_20191030T13000_20191030T134626_C001 CS_OFFL_SIR_FDM_2_20191030T146484_20191030T150102_C001 CS_OFFL_SIR_FDM_2_20191030T150022_20191030T150036_C001 CS_OFFL_SIR_FDM_2_20191030T150022_20191030T150036_C001 CS_OFFL_SIR_FDM_2_20191030T150022_20191030T150036_C001 CS_OFFL_SIR_FDM_2_20191030T150022_20191030T150036_C001 CS_OFFL_SIR_FDM_2_20191030T150022_20191030T150036_C001 CS_OFFL_SIR_FDM_2_20191030T150022_20191030T150235_C001 CS_OFFL_SIR_FDM_2_20191030T160022_20191030T150036_C001 CS_OFFL_SIR_FDM_2_20191030T160022_20191030T150036_C001 CS_OFFL_SIR_FDM_2_20191030T160022_20191030T150036_C001 CS_OFFL_SIR_FDM_2_20191030T160022_20191030T150036_C001 CS_OFFL_SIR_FDM_2_20191030T160022_20191030T150036_C001 CS_OFFL_SIR_FDM_2_20191030T160022_20191030T160036_C001 CS_OFFL_SIR_FDM_2_20191030T160030T160036_C001 CS_OFFL_SIR_FDM_2_20191030T160030T160036_C001 CS_OFFL_SIR_FDM_2_20191030T160030T160036_C001 CS_OFFL_SIR_FDM_2_20191030T160030T160036_C001 CS_OFFL_SIR_FDM_2_20191030T160030T160030T160036_C001 CS_OFFL_SIR_FDM_2_20191030T160030T160030T160030_C001 CS_OFFL_SIR_FDM_2_20191030T160030T160030T160030_C001 CS_OFFL_SIR_FDM_2_20191030T160030T160030T160030_C001 CS_OFFL_SIR_FDM_2_20191030T160030T160030_C001160030T160030_C001 CS_OFFL_SIR_FDM_2_20191030T160030T160030_C001160030T160030_C001160030_C001160030_C001160030_C001160030_C001160030T160030_C001160030	CS_OFFL_SIR_FDM_220191030T103645_20191030T103933_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
SC OFFL SIR_FDM.2_20191030T121614_20191030T121836_C001 CS OFFL SIR_FDM.2_20191030T13000_20191030T134026_C001 CS OFFL SIR_FDM.2_20191030T144048_20191030T150102_C001 CS OFFL SIR_FDM.2_20191030T144048_20191030T150102_C001 CS OFFL SIR_FDM.2_20191030T140408_20191030T150102_C001 CS OFFL SIR_FDM.2_20191030T150203_20191030T15030S_C001 CS OFFL SIR_FDM.2_20191030T150203_20191030T15030S_C001 CS OFFL SIR_FDM.2_20191030T150203_20191030T15030S_C001 CS OFFL SIR_FDM.2_20191030T15020_20191030T15025_C001 CS OFFL SIR_FDM.2_20191030T15020_20191030T15025_C001 CS OFFL SIR_FDM.2_20191030T15020_20191030T15025_C001 CS OFFL SIR_FDM.2_20191030T151107_20191030T152235_C001 CS OFFL SIR_FDM.2_20191030T151107_20191030T152235_C001 CS OFFL SIR_FDM.2_20191030T151107_20191030T152235_C001 CS OFFL SIR_FDM.2_20191030T15102_20191030T161436_C001 CS OFFL SIR_FDM.2_20191030T16220_20191030T161436_C001 CS OFFL SIR_FDM.2_20191030T16220_20191030T161436_C001 CS OFFL SIR_FDM.2_20191030T16220_20191030T1614331_C001 CS OFFL SIR_FDM.2_20191030T16220_20191030T164331_C001 CS OFFL SIR_FDM.2_20191030T16220_20191030T164330_C001 CS OFFL SIR_FDM.2_20191030T16420_20191030T16430_C001 CS OFFL SIR_FDM.2_20191030T16420_20191030T16430_C001 CS OFFL SIR_FDM.2_20191030T16420_20191030T16430_C001 CS OFFL SIR_FDM.2_20191030T16420_20191030T16440_C001 CS OFFL SIR_FDM.2_20191030T164640_C001600000000000000000000000000000	CS_OFFL_SIR_FDM_220191030T113136_20191030T120609_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20191030T14048_20191030T150102_C001 CS_OFFL_SIR_FDM_2_20191030T14048_20191030T150102_C001 CS_OFFL_SIR_FDM_2_20191030T150223_20191030T150368_C001 CS_OFFL_SIR_FDM_2_20191030T150223_20191030T150368_C001 CS_OFFL_SIR_FDM_2_20191030T150223_20191030T150368_C001 CS_OFFL_SIR_FDM_2_20191030T150402_20191030T150625_C001 CS_OFFL_SIR_FDM_2_20191030T150402_20191030T150625_C001 CS_OFFL_SIR_FDM_2_20191030T150402_20191030T150625_C001 CS_OFFL_SIR_FDM_2_20191030T1507_20191030T150625_C001 CS_OFFL_SIR_FDM_2_20191030T1507_20191030T150625_C001 CS_OFFL_SIR_FDM_2_20191030T1507_20191030T150625_C001 CS_OFFL_SIR_FDM_2_20191030T1507_20191030T16148_C001 CS_OFFL_SIR_FDM_2_20191030T1507_20191030T16148_C001 CS_OFFL_SIR_FDM_2_20191030T165728_20191030T16148_C001 CS_OFFL_SIR_FDM_2_20191030T165728_20191030T164331_C001 CS_OFFL_SIR_FDM_2_20191030T164532_20191030T16454_C001 CS_OFFL_SIR_FDM_2_20191030T164532_20191030T16454_C001 CS_OFFL_SIR_FDM_2_20191030T16573_20191030T165654_C001 CS_OFFL_SIR_FDM_2_20191030T16573_20191030T165644_C001 CS_OFFL_SIR_FDM_2_20191030T166644_C001 CS_OFFL_SIR_FDM_2_20191030	CS_OFFL_SIR_FDM_220191030T121614_20191030T121836_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20191030T150232_20191030T150358_C001 CS_OFFL_SIR_FDM_2_20191030T150223_20191030T150255_C001 CS_OFFL_SIR_FDM_2_20191030T150223_20191030T150625_C001 CS_OFFL_SIR_FDM_2_20191030T150402_20191030T150625_C001 CS_OFFL_SIR_FDM_2_20191030T150402_20191030T150625_C001 CS_OFFL_SIR_FDM_2_20191030T150728_20191030T150625_C001 CS_OFFL_SIR_FDM_2_20191030T150728_20191030T161148_C001 CS_OFFL_SIR_FDM_2_20191030T167788_20191030T161148_C001 CS_OFFL_SIR_FDM_2_20191030T162843_20191030T164103_C001 CS_OFFL_SIR_FDM_2_20191030T164202_20191030T164331_C001 CS_OFFL_SIR_FDM_2_20191030T164202_20191030T164431_C001 CS_OFFL_SIR_FDM_2_20191030T164202_20191030T164434_C001 CS_OFFL_SIR_FDM_2_20191030T164202_20191030T164544_C001 CS_OFFL_SIR_FDM_2_20191030T164202_20191030T173424_C001 CS_OFFL_SIR_FDM_2_20191030T173222_C001 CS_OFFL_SIR_FDM_2_20191030T173222_C001 CS_OFFL_SIR_FDM_2_20191030T164532_20191030T164545_C001 CS_OFFL_SIR_FDM_2_20191030T164532_20191030T173424_C001 CS_OFFL_SIR_FDM_2_20191030T164532_20191030T173424_C001 CS_OFFL_SIR_FDM_2_20191030T164502_20191030T173424_C001 CS_OFFL_SIR_FDM_2_20191030T185703_20191030T173424_C001 CS_OFFL_SIR_FDM_2_20191030T185703_20191030T190536_C001 CS_OFFL_SIR_FDM_2_20191030T190536_C001 CS_OFFL_SIR_FDM_2_2019	CS_OFFL_SIR_FDM_220191030T131000_20191030T134526_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20191030T150223_20191030T150255_C001 CS_OFFL_SIR_FDM_2_20191030T150402_20191030T150625_C001 CS_OFFL_SIR_FDM_2_20191030T151107_20191030T152752_C001 CS_OFFL_SIR_FDM_2_20191030T151107_20191030T151148_C001 CS_OFFL_SIR_FDM_2_20191030T151272_20191030T16148_C001 CS_OFFL_SIR_FDM_2_20191030T162843_20191030T164131_C001 CS_OFFL_SIR_FDM_2_20191030T162843_20191030T164331_C001 CS_OFFL_SIR_FDM_2_20191030T164532_20191030T164534_C001 CS_OFFL_SIR_FDM_2_20191030T164532_20191030T164534_C001 CS_OFFL_SIR_FDM_2_20191030T164532_20191030T164534_C001 CS_OFFL_SIR_FDM_2_20191030T164532_20191030T164534_C001 CS_OFFL_SIR_FDM_2_20191030T187702_20191030T182702_20191030T183208_C001 CS_OFFL_SIR_FDM_2_20191030T187703_20191030T193220_C001 CS_OFFL_SIR_FDM_2_20191030T190620_20191030T193220_C001 CS_OFFL_SIR_FDM_2_20191030T194846_20191030T21446_C001 CS_OFFL_SIR_FDM_2_20191030T194846_20191030T214454_C001 CS_OFFL_SIR_FDM_2_20191030T127729_20191030T214554_C001 CS_OFFL_SIR_FDM_2_20191030T127729_20191030T214554_C001 CS_OFFL_SIR_FDM_2_20191030T20203_20191030T214554_C001 CS_OFFL_SIR_FDM_2_20191030T20203_20191030T214454_C001 CS_OFFL_SIR_FDM_2_20191030T194264_C001 CS_OFFL_SIR_FDM_2_20191030T194264_C001 CS_OFFL_SIR_FDM_2_20191030T194264_C001 CS_OFFL_SIR_FDM_2_20191030T194264_C001 CS_OFFL_SIR_FDM_2_20191030T194264_C001 CS_OFFL_SIR_FDM_2_20191030T194264_C001 CS_OFFL_SIR_FDM_2_20191030T194446_C00104445454545454545454	CS_OFFL_SIR_FDM_220191030T144948_20191030T150102_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
S_OFFL_SIR_FDM_2_20191030T150422_20191030T152235_C001 CS_OFFL_SIR_FDM_2_20191030T151107_20191030T152235_C001 CS_OFFL_SIR_FDM_2_20191030T155728_20191030T161148_C001 CS_OFFL_SIR_FDM_2_20191030T16223_C001 CS_OFFL_SIR_FDM_2_20191030T162433_20191030T164103_C001 CS_OFFL_SIR_FDM_2_20191030T162433_20191030T164331_C001 CS_OFFL_SIR_FDM_2_20191030T164532_20191030T164531_C001 CS_OFFL_SIR_FDM_2_20191030T164532_20191030T165454_C001 CS_OFFL_SIR_FDM_2_20191030T164532_20191030T165454_C001 CS_OFFL_SIR_FDM_2_20191030T165532_20191030T165545_C001 CS_OFFL_SIR_FDM_2_20191030T165532_20191030T165545_C001 CS_OFFL_SIR_FDM_2_20191030T165532_20191030T165545_C001 CS_OFFL_SIR_FDM_2_20191030T165532_20191030T165545_C001 CS_OFFL_SIR_FDM_2_20191030T165532_20191030T165545_C001 CS_OFFL_SIR_FDM_2_20191030T165532_20191030T16555_C001 CS_OFFL_SIR_FDM_2_20191030T165532_20191030T16555_C001 CS_OFFL_SIR_FDM_2_20191030T165532_20191030T16555_C001 CS_OFFL_SIR_FDM_2_20191030T165532_20191030T16555_C001 CS_OFFL_SIR_FDM_2_20191030T165532_20191030T16555_C001 CS_OFFL_SIR_FDM_2_20191030T165532_20191030T16555_C001 CS_OFFL_SIR_FDM_2_20191030T165532_20191030T16555_C001 CS_OFFL_SIR_FDM_2_20191030T165532_20191030T16555_C001 CS_OFFL_SIR_FDM_2_20191030T16555_20191030T16556_C001 CS_OFFL_SIR_FDM_2_20191030T16556_20101050T16556_C001 CS_OFFL_SIR_FDM_2_20191030T190520_20191030T190536_C001 CS_OFFL_SIR_FDM_2_20191030T190520_20191030T193220_C001 CS_OFFL_SIR_FDM_2_20191030T190520_20191030T193520_C001 CS_OFFL_SIR_FDM_2_20191030T190520_20191030T193520_C001 CS_OFFL_SIR_FDM_2_20191030T194846_20191030T215454_C001 CS_OFFL_SIR_FDM_2_20191030T194846_20191030T215454_C001 CS_OFFL_SIR_FDM_2_20191030T194846_20191030T215454_C001 CS_OFFL_SIR_FDM_2_20191030T190520_20191030T194546_C001 CS_OFFL_SIR_FDM_2_20191030T190520_20191030T194546_C001 CS_OFFL_SIR_FDM_2_20191030T190520_20191030T194546_C001 CS_OFFL_SIR_FDM_2_20191030T190520_20191030T194546_C001 CS_OFFL_SIR_FDM_2_20191030T190520_20191030T194546_C001 CS_OFFL_SIR_FDM_2_20191030T190520_20191030T195545_C001 CS_O	CS_OFFL_SIR_FDM_220191030T150223_20191030T150358_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
S_OFFL_SIR_FDM_2_20191030T155728_20191030T161148_C001 CS_OFFL_SIR_FDM_2_20191030T165728_20191030T161148_C001 CS_OFFL_SIR_FDM_2_20191030T162843_20191030T164103_C001 CS_OFFL_SIR_FDM_2_20191030T162843_20191030T164331_C001 CS_OFFL_SIR_FDM_2_20191030T164220_20191030T164331_C001 CS_OFFL_SIR_FDM_2_20191030T164532_20191030T164331_C001 CS_OFFL_SIR_FDM_2_20191030T164532_20191030T164544_C001 CS_OFFL_SIR_FDM_2_20191030T164532_20191030T164544_C001 CS_OFFL_SIR_FDM_2_20191030T165454_C001 CS_OFFL_SIR_FDM_2_20191030T1655728_20191030T173424_C001 CS_OFFL_SIR_FDM_2_20191030T164532_20191030T173424_C001 CS_OFFL_SIR_FDM_2_20191030T165454_C001 CS_OFFL_SIR_FDM_2_20191030T165454_C001 CS_OFFL_SIR_FDM_2_20191030T165703_20191030T183208_C001 CS_OFFL_SIR_FDM_2_20191030T1965703_20191030T190536_C001 CS_OFFL_SIR_FDM_2_20191030T190620_20191030T193220_C001 CS_OFFL_SIR_FDM_2_20191030T190620_20191030T190536_C001 CS_OFFL_SIR_FDM_2_20191030T190620_20191030T190520_C001 CS_OFFL_SIR_FDM_2_20191030T190620_20191030T190520_C001 CS_OFFL_SIR_FDM_2_20191030T190620_20191030T190544_C001 CS_OFFL_SIR_FDM_2_20191030T190620_20191030T190544_C001 CS_OFFL_SIR_FDM_2_20191030T190620_20191030T190544_C001 CS_OFFL_SIR_FDM_2_201	CS_OFFL_SIR_FDM_220191030T150402_20191030T150625_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20191030T162843_20191030T164103_C001 CS_OFFL_SIR_FDM_2_20191030T162843_20191030T164331_C001 CS_OFFL_SIR_FDM_2_20191030T164220_20191030T164331_C001 CS_OFFL_SIR_FDM_2_20191030T164220_20191030T164331_C001 CS_OFFL_SIR_FDM_2_20191030T164532_20191030T164534_C001 CS_OFFL_SIR_FDM_2_20191030T164532_20191030T164545_C001 CS_OFFL_SIR_FDM_2_20191030T17738_20191030T173424_C001 CS_OFFL_SIR_FDM_2_20191030T182702_20191030T183208_C001 CS_OFFL_SIR_FDM_2_20191030T185703_20191030T190536_C001 CS_OFFL_SIR_FDM_2_20191030T194846_20191030T193220_C001 CS_OFFL_SIR_FDM_2_20191030T194846_20191030T215454_C001 CS_OFFL_SIR_FDM_2_20191030T194846_20191030T215454_C001 CS_OFFL_SIR_FDM_2_20191030T127272_20191030T215454_C001 CS_OFFL_SIR_FDM_2_20191030T194846_20191030T215454_C001 CS_OFFL_SIR_FDM_2_20191030T127272_20191030T215454_C001 CS_OFFL_SIR_FDM_2_20191030T127272_20191030T215454_C001 CS_OFFL_SIR_FDM_2_20191030T212722_20191030T215454_C001 CS_OFFL_SIR_FDM_2_20191030T20003_20191030T205448_C001 CS_OFFL_SIR_FDM_2_20191030T20003_20191030T205448_C001 CS_OFFL_SIR_FDM_2_20191030T20003_20191030T205448_C001 CS_OFFL_SIR_FDM_2_20191030T20003_20191030T205448_C001 CS_OFFL_SIR_FDM_2_20191030T20003_20191030T205448_C001 CS_OFFL_SIR_FDM_2_20191030T20003_20191030T205448_C001 CS_OFFL_SIR_FDM_2_20191030T20003_20191030T205448_C001 CCS_OFFL_SIR_FDM_2_20191030T20003_20191030T205448_C001 CCS_OFFL_SIR_FDM_2_20191030T20003_2019	CS_OFFL_SIR_FDM_220191030T151107_20191030T152235_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20191030T162843_20191030T164103_C001 CS_OFFL_SIR_FDM_2_20191030T164220_20191030T164331_C001 CS_OFFL_SIR_FDM_2_20191030T164532_20191030T165454_C001 CS_OFFL_SIR_FDM_2_20191030T171738_20191030T173424_C001 CS_OFFL_SIR_FDM_2_20191030T182702_20191030T183208_C001 CS_OFFL_SIR_FDM_2_20191030T182702_20191030T193220_C001 CS_OFFL_SIR_FDM_2_20191030T190620_20191030T193220_C001 CS_OFFL_SIR_FDM_2_20191030T194846_20191030T201146_C001 CS_OFFL_SIR_FDM_2_20191030T194846_20191030T2012454_C001 CS_OFFL_SIR_FDM_2_20191030T194846_20191030T2012454_C001 CS_OFFL_SIR_FDM_2_20191030T194846_20191030T220448_C001 CS_OFFL_SIR_FDM_2_20191030T19220_203_20191030T220448_C001 CS_OFFL_SIR_FDM_2_20191030T22003_20191030T220448_C001 CS_OFFL_SIR_FDM_2_20191030T22003_20191030T220448_C001 CS_OFFL_SIR_FDM_2_20191030T22003_20191030T220448_C001 CFI Backscatter Status Flag SWH Squared Averaging Status Flag CFI Backscatter Status	CS_OFFL_SIR_FDM_220191030T155728_20191030T161148_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20191030T164220_20191030T164531_C001 CS_OFFL_SIR_FDM_2_20191030T164532_20191030T165454_C001 CS_OFFL_SIR_FDM_2_20191030T177738_20191030T173424_C001 CS_OFFL_SIR_FDM_2_20191030T177738_20191030T173424_C001 CS_OFFL_SIR_FDM_2_20191030T182702_20191030T183208_C001 CS_OFFL_SIR_FDM_2_20191030T185703_20191030T190536_C001 CS_OFFL_SIR_FDM_2_20191030T190620_20191030T193220_C001 CS_OFFL_SIR_FDM_2_20191030T194846_20191030T201446_C001 CS_OFFL_SIR_FDM_2_20191030T194846_20191030T215454_C001 CS_OFFL_SIR_FDM_2_20191030T220203_20191030T220448_C001 CS_OFFL_SIR_FDM_2_20191030T200203_20191030T200448_C001 CS_OFFL_SIR_FDM_2_20191030T200203_20191030T200448_C001 CS_OFFL_SIR_FDM_2_20191030T200203_20191030T200448_C001 CS_OFFL_SIR_FDM_2_20191030T200203_20191030T200448_C001 CS_OFFL_SIR_FDM_2_20191030T200203_20191030T200448_C001 CS_OFFL_SIR_FDM_2_20191030T200	CS_OFFL_SIR_FDM_220191030T162843_20191030T164103_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20191030T164532_20191030T173424_C001 CS_OFFL_SIR_FDM_2_20191030T171738_20191030T173424_C001 CS_OFFL_SIR_FDM_2_20191030T173424_C001 CS_OFFL_SIR_FDM_2_20191030T182702_20191030T183208_C001 CS_OFFL_SIR_FDM_2_20191030T185703_20191030T190536_C001 CS_OFFL_SIR_FDM_2_20191030T190620_20191030T193220_C001 CS_OFFL_SIR_FDM_2_20191030T190620_20191030T193220_C001 CS_OFFL_SIR_FDM_2_20191030T194846_20191030T201146_C001 CS_OFFL_SIR_FDM_2_20191030T194846_20191030T215454_C001 CS_OFFL_SIR_FDM_2_20191030T220203_20191030T220448_C001 CS_OFFL_SIR_FDM_2_20191030T220203_20191030T220448_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag SQMH Squared Avera	CS_OFFL_SIR_FDM_220191030T164220_20191030T164331_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20191030T171738_20191030T173424_C001 CS_OFFL_SIR_FDM_2_20191030T182702_20191030T190536_C001 CS_OFFL_SIR_FDM_2_20191030T190620_20191030T193220_C001 CS_OFFL_SIR_FDM_2_20191030T190620_20191030T193220_C001 CS_OFFL_SIR_FDM_2_20191030T194846_20191030T201146_C001 CS_OFFL_SIR_FDM_2_20191030T212729_20191030T215454_C001 CS_OFFL_SIR_FDM_2_20191030T220203_20191030T220448_C001 CS_OFFL_SIR_FDM_2_20191030T220203_20191030T220448_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 ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.	CS_OFFL_SIR_FDM_220191030T164532_20191030T165454_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20191030T182702_20191030T183208_C001 CS_OFFL_SIR_FDM_2_20191030T185703_20191030T190536_C001 CS_OFFL_SIR_FDM_2_20191030T190620_20191030T190536_C001 CS_OFFL_SIR_FDM_2_20191030T190620_20191030T193220_C001 CS_OFFL_SIR_FDM_2_20191030T194846_20191030T201146_C001 CS_OFFL_SIR_FDM_2_20191030T212729_20191030T215454_C001 CS_OFFL_SIR_FDM_2_20191030T220203_20191030T220448_C001 CS_OFFL_SIR_FDM_2_20191030T220203_20191030T220448_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	CS_OFFL_SIR_FDM_220191030T171738_20191030T173424_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20191030T190536_C001 CS_OFFL_SIR_FDM_2_20191030T190620_20191030T193220_C001 CS_OFFL_SIR_FDM_2_20191030T190620_20191030T201146_C001 CS_OFFL_SIR_FDM_2_20191030T212729_20191030T215454_C001 CS_OFFL_SIR_FDM_2_20191030T212729_20191030T215454_C001 CS_OFFL_SIR_FDM_2_20191030T220203_20191030T220448_C001 CS_OFFL_SIR_FDM_2_20191030T220203_20191030T220448_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 The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.	CS_OFFL_SIR_FDM_220191030T182702_20191030T183208_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20191030T190620_20191030T193220_C001 CS_OFFL_SIR_FDM_2_20191030T194846_20191030T201146_C001 CS_OFFL_SIR_FDM_2_20191030T212729_20191030T215454_C001 CS_OFFL_SIR_FDM_2_20191030T212729_20191030T215454_C001 CS_OFFL_SIR_FDM_2_20191030T212729_20191030T220448_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status	CS_OFFL_SIR_FDM_220191030T185703_20191030T190536_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20191030T194846_20191030T201146_C001 CS_OFFL_SIR_FDM_2_20191030T212729_20191030T215454_C001 CS_OFFL_SIR_FDM_2_20191030T212729_20191030T215454_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 The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.	CS_OFFL_SIR_FDM_220191030T190620_20191030T193220_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20191030T212729_20191030T215454_C001 Squared Averaging Status Flag, SWH CS_OFFL_SIR_FDM_2_20191030T220203_20191030T220448_C001 CFI Backscatter Status Flag, SWH CS_OFFL_SIR_FDM_2_20191030T220203_20191030T220448_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag, SWH CFI Backscatter Status Flag, SWH indicating the values stored in fields #41, #42, #43 and #44 should be light 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_220191030T194846_20191030T201146_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_220191030T220203_20191030T220448_C001	CS_OFFL_SIR_FDM_220191030T212729_20191030T215454_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
	CS_OFFL_SIR_FDM_220191030T220203_20191030T220448_C001		indicating the values stored in fields #41, #42, #43 and #44 should be

6.8 L2 FDM Ocean Retracking Quality Check

CryoSat L2 data includes an ocean retracking quality flag (field 66) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220191030T000949_20191030T001413_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_220191030T004446_20191030T005604_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_220191030T005850_20191030T011957_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_220191030T013744_20191030T015625_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_220191030T015716_20191030T020139_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_220191030T022437_20191030T023131_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_220191030T023311_20191030T025907_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_220191030T031800_20191030T033027_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_220191030T033115_20191030T034821_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_220191030T041155_20191030T042125_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_220191030T042329_20191030T043755_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_220191030T045451_20191030T050645_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_220191030T051201_20191030T052448_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_220191030T052612_20191030T052820_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_220191030T063300_20191030T065824_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_220191030T073220_20191030T075313_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_220191030T081140_20191030T083912_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_220191030T090717_20191030T093501_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_220191030T095211_20191030T102515_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_220191030T103645_20191030T103933_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_220191030T113136_20191030T120609_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_220191030T121614_20191030T121836_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_220191030T131000_20191030T134526_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_220191030T140743_20191030T143038_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_220191030T144948_20191030T150102_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_220191030T150223_20191030T150358_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_220191030T150402_20191030T150625_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_220191030T151107_20191030T152235_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_220191030T153806_20191030T155525_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_220191030T155728_20191030T161148_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_220191030T162843_20191030T164103_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_220191030T164220_20191030T164331_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_220191030T164532_20191030T165454_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_220191030T171738_20191030T173424_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_220191030T173949_20191030T175228_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_220191030T182702_20191030T183208_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_220191030T185703_20191030T190536_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_220191030T190620_20191030T193220_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_220191030T194846_20191030T201146_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_220191030T202504_20191030T202519_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_220191030T204422_20191030T211030_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_220191030T212729_20191030T215454_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_220191030T220203_20191030T220448_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_20191030T235611_20191031T000516_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.
7	OCC Report Analysis	

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_	167	167	167	0	0
SIR1SAR_0_	165	110	110	0	0
SIR1SIN_0_	107	107	107	0	0
SIR_FDM_1B	167	165	167	0	0
SIR_FDM_2	165	165	165	0	0

7.1 QCC Errors

7.2 QCC Warnings	
Number of QCC reports with warnings	0
7.3 Missing QCC Reports	
Number of products with missing QCC reports:	113