



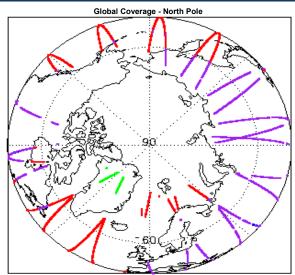
1. Overview

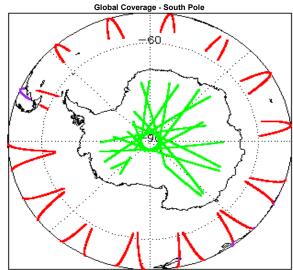
Report Production Date:	08-Nov-2018	
Processor Used:	CryoSat Ice Processor	
Data Used:	L1 and L2 Fast Delivery Marine (FDM) Mode and L0 Data	

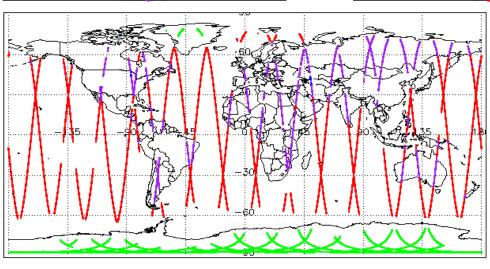
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check	Nominal
Auxiliary Data File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

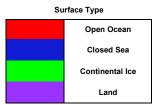
Mission / Instrument News		
06-Nov-2018	None	
07-Nov-2018	None	
08-Nov-2018	Nothing planned	

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use:	SIRAL - A
Star Tracker(s) in use:	Star Tracker 2

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_020181107T053128_20181107T053512_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020181107T140726_20181107T141300_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020181107T162304_20181107T162754_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020181107T031539_20181107T031948_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020181107T133909_20181107T134328_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020181107T233436_20181107T234139_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020181107T182737_20181107T182852_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020181107T102712_20181107T102939_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020181107T110410_20181107T111005_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020181107T012021_20181107T012220_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020181107T015155_20181107T020316_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020181107T084528_20181107T084948_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020181107T183618_20181107T183712_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020181107T135356_20181107T135607_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020181107T164416_20181107T164621_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_0_20181107T104646_20181107T105112_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020181107T181528_20181107T181848_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020181107T124625_20181107T124817_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:

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5.2 L1B FDM Product Header Analysis

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

Number of products with errors:

5.3 L1B FDM Star Tracker Usage Check

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

Number of products with errors:

Product	Test Failed
CS_OFFL_SIR_FDM_1B_20181107T133425_20181107T133437_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20181107T151037_20181107T151051_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20181107T164712_20181107T164847_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20181107T193757_20181107T2011113_C001	No Star Tracker file used in the processing of this product

5.4 L1B FDM Calibration Usage Check

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

Number of products with errors: 0

5.5 L1B FDM Auxilary Data File Usage Check

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

Number of products with errors:

5.6 L1B FDM Auxiliary Correction Error Check

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

Number of products with errors: 0

5.7 L1B FDM Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20181107T053512_20181107T053637_C001	IECHO EFFOR LEK ECHO EFFOR	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_FDM_1B_20181107T133425_20181107T133437_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20181107T151037_20181107T151051_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20181107T164712_20181107T164847_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_20181107T193757_20181107T201113_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:

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6.3 L2 FDM Auxiliary Data File Usage Check

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

Number of products with errors:

6.4 L2 FDM Auxiliary Correction Error Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220181106T234920_20181107T000508_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_220181107T000511_20181107T000758_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_220181107T001017_20181107T001834_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_220181107T004645_20181107T010806_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_220181107T012406_20181107T014951_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_220181107T035934_20181107T040712_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220181107T042244_20181107T042627_C001	Sea State Bias Correction, Mean Sea Surface height, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed, the Sea State Bias Correction and the Mean Sea Surface Height for one or more records
CS_OFFL_SIR_FDM_220181107T044420_20181107T051619_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_220181107T054416_20181107T060447_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_220181107T062222_20181107T065638_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220181107T070747_20181107T070951_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_220181107T072524_20181107T074409_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_220181107T080207_20181107T083648_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_220181107T085020_20181107T090906_C001	Sea State Bias Correction, Mean Sea Surface height, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed, the Sea State Bias Correction and the Mean Sea Surface Height for one or more records
CS_OFFL_SIR_FDM_220181107T090946_20181107T092300_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_220181107T094105_20181107T095606_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_220181107T102939_20181107T104646_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_220181107T112045_20181107T113435_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_220181107T121007_20181107T121140_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_220181107T121303_20181107T122014_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_220181107T130010_20181107T132503_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_220181107T135607_20181107T140726_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_220181107T143939_20181107T150545_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_220181107T153048_20181107T154639_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_220181107T170842_20181107T174141_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_220181107T184639_20181107T192038_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_220181107T193757_20181107T201113_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220181107T201113_20181107T201129_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_220181107T202357_20181107T203817_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_220181107T204257_20181107T204441_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220181107T204515_20181107T205958_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_220181107T213308_20181107T215024_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_220181107T221247_20181107T222217_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_220181107T222419_20181107T223903_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_220181107T231654_20181107T232541_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_220181107T232704_20181107T232845_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_220181107T053512_20181107T053637_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220181107T133425_20181107T133437_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220181107T151037_20181107T151051_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220181107T164712_20181107T164847_C001	Echo error, Attitude correction missing	The Echo Rx1 Error flag is set, indicating a degraded raw echo. The attitude
CS_OFFL_SIR_FDM_220181107T193757_20181107T2011113_C001	Attitude correction missing	The attitude has not been corrected

6.6 L2 FDM Range Measurement Check

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

Number of products with errors:

23

Product	Test Failed	Description
Flouuct	restraileu	The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220181106T234920_20181107T000508_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_20181107T000511_20181107T000758_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20181107T001017_20181107T001834_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20181107T004645_20181107T010806_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20181107T012406_20181107T014951_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20181107T044420_20181107T051619_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_220181107T072524_20181107T074409_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20181107T080207_20181107T083648_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20181107T090946_20181107T092300_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20181107T094105_20181107T095606_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20181107T102939_20181107T104646_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20181107T121303_20181107T122014_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20181107T130010_20181107T132503_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20181107T135607_20181107T140726_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20181107T143939_20181107T150545_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20181107T153048_20181107T154639_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20181107T170842_20181107T174141_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_220181107T184639_20181107T192038_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20181107T202357_20181107T203817_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20181107T221247_20181107T222217_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20181107T222419_20181107T223903_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20181107T231654_20181107T232541_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20181107T232704_20181107T232845_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.

6.7 L2 FDM SWH and Backscatter Measurement Check

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

Number of products with errors:

23

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220181106T234920_20181107T000508_C001	CFI Backscatter Status Flag, SWH	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_201811077010107_201811077010906_C001 CS_OFFL_SIR_FDM_2_20181107701405_20181107701405_C001 CS_OFFL_SIR_FDM_2_20181107701405_20181107701405_C001 CS_OFFL_SIR_FDM_2_20181107701405_20181107701405_C001 CS_OFFL_SIR_FDM_2_20181107701405_20181107701405_C001 CS_OFFL_SIR_FDM_2_20181107700405_20181107701405_C001 CS_OFFL_SIR_FDM_2_20181107700405_20181107701405_C001 CS_OFFL_SIR_FDM_2_20181107700405_20181107701405_C001 CS_OFFL_SIR_FDM_2_20181107700406_20181107701405_C001 CS_OFFL_SIR_FDM_2_20181107700406_20181107700400_C001 CS_OFFL_SIR_FDM_2_20181107700405_20181107700406_C001 CS_OFFL_SIR_FDM_2_20181107700406_20181107700400_C001 CS_OFFL_SIR_FDM_2_20181107700406_20181107700406_C001 CS_OFFL_SIR_FDM_2_20181107700406_20181107700406_C001 CS_OFFL_SIR_FDM_2_20181107700406_20181107700406_C001 CS_OFFL_SIR_FDM_2_20181107700406_20181107700406_C001 CS_OFFL_SIR_FDM_2_20181107700406_20181107700406_C001 CS_OFFL_SIR_FDM_2_20181107700406_20181107700406_C001 CS_OFFL_SIR_FDM_2_20181107700406_20181107700406_C001 CS_OFFL_SIR_FDM_2_20181107710406_C001 CS_OFFL_SIR_FDM_2_20181107710406_C001 CS_OFFL_SIR_FDM_2_20181107710406_C001 CS_OFFL_SIR_FDM_2_20181107710406_C001 CS_OFFL_SIR_FDM_2_20181107710406_C001 CS_OFFL_SIR_FDM_2_20181107710406_C001 CS_OFFL_SIR_FDM_2_2018110771140906_C001 CS_OF	CS_OFFL_SIR_FDM_220181107T000511_20181107T000758_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_20181107T012405_20181107T014951_C001 CS_OFFL_SIR_FDM_2_20181107T012405_20181107T014951_C001 CS_OFFL_SIR_FDM_2_20181107T012405_20181107T051819_C001 CS_OFFL_SIR_FDM_2_20181107T072524_20181107T074405_C001 CS_OFFL_SIR_FDM_2_20181107T044420_C0018107T05405_C001 CS_OFFL_SIR_FDM_2_20181107T092530_C0018 CS_OFFL_SIR_FDM_2_20181107T092530_C0018 CS_OFFL_SIR_FDM_2_20181107T092530_C0018 CS_OFFL_SIR_FDM_2_20181107T09399_2018107T09406_C001 CS_OFFL_SIR_FDM_2_20181107T09399_2018107T09406_C001 CS_OFFL_SIR_FDM_2_20181107T09399_2018107T09508_C001 CS_OFFL_SIR_FDM_2_20181107T09399_2018107T09508_C001 CS_OFFL_SIR_FDM_2_20181107T102399_2018107T09406_C001 CS_OFFL_SIR_FDM_2_20181107T09399_2018107T09508_C001 CS_OFFL_SIR_FDM_2_20181107T102399_2018107T109406_C001 CS_OFFL_SIR_FDM_2_20181107T102399_2018107T109406_C001 CS_OFFL_SIR_FDM_2_20181107T102399_2018107T109406_C001 CS_OFFL_SIR_FDM_2_20181107T102399_2018107T109406_C001 CS_OFFL_SIR_FDM_2_20181107T102399_2018107T109406_C001 CS_OFFL_SIR_FDM_2_20181107T102399_2018107T109406_C001 CS_OFFL_SIR_FDM_2_20181107T102399_20181107T109406_C001 CS_OFFL_SIR_FDM_2_20181107T102399_2018107T109406_C001 CS_OFFL_SIR_FDM_2_20181107T102399_20181107T109406_C001 CS_OFFL_SIR_FDM_2_20181107T102399_20181107T109406_C001 CS_OFFL_SIR_FDM_2_20181107T103909_20181107T109406_C001 CS_OFFL_SIR_FDM_2_20181107T103909_20181107T109406_C001 CS_OFFL_SIR_FDM_2_20181107T103909_20181107T109406_C001 CS_OFFL_SIR_FDM_2_20181107T103909_20181107T109406_C001 CS_OFFL_SIR_FDM_2_20181107T109409_20181107T109408_C001 CS_OFFL_SIR_FDM_2_20181107T109409_20181107T109408_C001 CS_OFFL_SIR_FDM_2_20181107T109409_20181107T109408_C001 CS_OFFL_SIR_FDM_2_20181107T109409_20181107T109408_C001 CS_OFFL_SIR_FDM_2_20181107T109409_20181107T109408_C001 CS_OFFL_SIR_FDM_2_20181107T109409_20181107T109408_C001 CS_OFFL_SIR_FDM_2_20181107T109409_20181107T109408_C001 CS_OFFL_SIR_FDM_2_20181107T109409_20181107T109408_C001 CS_OFFL_SIR_FDM_2_20181107T109409_20181107T109408_C001 CS_OFFL_SIR_FDM_2_20181107T109409_20181107T1	CS_OFFL_SIR_FDM_220181107T001017_20181107T001834_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20181107T04420_20181107T051619_C001 CS_OFFL_SIR_FDM_2_20181107T09224_20181107T03848_C001 CS_OFFL_SIR_FDM_2_20181107T09227_20181107T092300_C001 CS_OFFL_SIR_FDM_2_20181107T092300_C001 CS_OFFL_SIR_FDM_2_20181107T092300_C001 CS_OFFL_SIR_FDM_2_20181107T092300_C001 CS_OFFL_SIR_FDM_2_20181107T092300_C001 CS_OFFL_SIR_FDM_2_20181107T093986_2018107T095808_C001 CS_OFFL_SIR_FDM_2_20181107T09399_2018107T1095808_C001 CS_OFFL_SIR_FDM_2_20181107T109390_20181107T1095808_C001 CS_OFFL_SIR_FDM_2_20181107T109390_20181107T1095808_C001 CS_OFFL_SIR_FDM_2_20181107T109390_20181107T1095808_C001 CS_OFFL_SIR_FDM_2_20181107T109390_20181107T1095808_C001 CS_OFFL_SIR_FDM_2_20181107T109390_20181107T1095808_C001 CS_OFFL_SIR_FDM_2_20181107T109390_20181107T1095808_C001 CS_OFFL_SIR_FDM_2_20181107T109390_20181107T1095808_C001 CS_OFFL_SIR_FDM_2_20181107T109390_2018107T1095808_C001 CS_OFFL_SIR_FDM_2_20181107T109390_2018107T1095808_C001 CS_OFFL_SIR_FDM_2_20181107T109390_2018107T1095808_C001 CS_OFFL_SIR_FDM_2_20181107T109309_2018107T1095808_C001 CS_OFFL_SIR_FDM_2_20181107T109309_2018107T1095808_C001 CS_OFFL_SIR_FDM_2_20181107T109309_2018107T1095808_C001 CS_OFFL_SIR_FDM_2_20181107T109309_2018107T1095808_C001 CS_OFFL_SIR_FDM_2_20181107T109009_20181107T109009_2018107T1009009_2018107T10090	CS_OFFL_SIR_FDM_220181107T004645_20181107T010806_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20181107T09244_20_20181107T09348_C001 CS_OFFL_SIR_FDM_2_20181107T09204_20_20181107T09348_C001 CS_OFFL_SIR_FDM_2_20181107T09204_20_20181107T09348_C001 CS_OFFL_SIR_FDM_2_20181107T09204_20_20181107T09320_C001 CS_OFFL_SIR_FDM_2_20181107T09204_20_20181107T09320_C001 CS_OFFL_SIR_FDM_2_20181107T09204_20_20181107T09500_C001 CS_OFFL_SIR_FDM_2_20181107T09330_20_2001 CS_OFFL_SIR_FDM_2_20181107T102330_20_2001107T109500_C001 CS_OFFL_SIR_FDM_2_20181107T102330_20_2001107T109500_C001 CS_OFFL_SIR_FDM_2_20181107T102330_20_2001107T109500_C001 CS_OFFL_SIR_FDM_2_20181107T102330_20_2001107T109500_C001 CS_OFFL_SIR_FDM_2_20181107T102330_20_2001107T109500_C001 CS_OFFL_SIR_FDM_2_20181107T102330_20_2001107T109500_C001 CS_OFFL_SIR_FDM_2_20181107T102330_20_2001107T109500_C001 CS_OFFL_SIR_FDM_2_20181107T1030010_20_20_2001107T102001 CS_OFFL_SIR_FDM_2_20181107T1300010_20_20_2001107T102001 CS_OFFL_SIR_FDM_2_20_20_2001107T102001 CS_OFFL_SIR_FDM_2_20_20_2001107T102001 CS_OFFL_SIR_FDM_2_20_20_2001107T102001 CS_OFFL_SIR_FDM_2_20_20_2001107T102001 CS_OFFL_SIR_FDM_2_20_20_2001107T102001 CS_OFFL_SIR_FDM_2_20_20_2001107T102001 CS_OFFL_SIR_FDM_2_20_20_20_2001107T102001 CS_OFFL_SIR_FDM_2_20_20_20_2001107T100001 CS_OFFL_SIR_FDM_2_20_20_20_2001107T100001 CS_OFFL_SIR_FDM_2_20_20_20_2001107T100001 CS_OFFL_SIR_FDM_2_20_20_20_20_2001107T100001 CS_OFFL_SIR_FDM_2_20_20_20_20_20_2001107T100001 CS_OFFL_SIR_FDM_2_20_20_20_20_20_20_20_2001107T100001 CS_OFFL_SIR_FDM_2_20_20_20_20_20_20_20_20_20_20_20_20_2	CS_OFFL_SIR_FDM_220181107T012406_20181107T014951_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
S. OFFL_SIR_FDM_2_20181107T072524_20181107T09300_C001 CS_OFFL_SIR_FDM_2_20181107T090046_20181107T09300_C001 CS_OFFL_SIR_FDM_2_20181107T090046_20181107T09300_C001 CS_OFFL_SIR_FDM_2_20181107T090046_20181107T09300_C001 CS_OFFL_SIR_FDM_2_20181107T090046_20181107T09300_C001 CS_OFFL_SIR_FDM_2_20181107T090046_20181107T09300_C001 CS_OFFL_SIR_FDM_2_20181107T090046_20181107T09300_C001 CS_OFFL_SIR_FDM_2_20181107T090046_20181107T095006_C001 CS_OFFL_SIR_FDM_2_20181107T102939_20181107T109506_C001 CS_OFFL_SIR_FDM_2_20181107T102939_20181107T104466_C001 CS_OFFL_SIR_FDM_2_20181107T102939_20181107T104466_C001 CS_OFFL_SIR_FDM_2_20181107T10230_20181107T122014_C001 CS_OFFL_SIR_FDM_2_20181107T12303_20181107T122014_C001 CS_OFFL_SIR_FDM_2_20181107T130010_20181107T13203_C001 CS_OFFL_SIR_FDM_2_20181107T130010_20181107T13000_C00181107T13000_C00181107T13000_C00181107T13000_C00181007T130000_C00181107T130000_C00181007T130000_C00181007T130000_C00181007T130000_C00181007T130000_C00181007T130000_C00181007T130000_C00181007T13000000000000000000000000000000000	CS_OFFL_SIR_FDM_220181107T044420_20181107T051619_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20181107T090207_20181107T092300_C001 CS_OFFL_SIR_FDM_2_20181107T0904105_20181107T095600_C001 CS_OFFL_SIR_FDM_2_20181107T094105_20181107T095600_C001 CS_OFFL_SIR_FDM_2_20181107T094105_20181107T095600_C001 CS_OFFL_SIR_FDM_2_20181107T109406_C001 CS_OFFL_SIR_FDM_2_201	CS_OFFL_SIR_FDM_220181107T072524_20181107T074409_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20181107T090946_20181107T090906_C001 CS_OFFL_SIR_FDM_2_20181107T094106_20181107T096006_C001 CS_OFFL_SIR_FDM_2_20181107T09406_20181107T104646_C001 CS_OFFL_SIR_FDM_2_20181107T102939_20181107T104646_C001 CS_OFFL_SIR_FDM_2_20181107T102939_20181107T104646_C001 CS_OFFL_SIR_FDM_2_20181107T102939_20181107T122014_C001 CS_OFFL_SIR_FDM_2_20181107T121303_20181107T122014_C001 CS_OFFL_SIR_FDM_2_20181107T121303_20181107T122014_C001 CS_OFFL_SIR_FDM_2_20181107T130010_20181107T132503_C001 CS_OFFL_SIR_FDM_2_20181107T135607_20181107T140726_C001 CS_OFFL_SIR_FDM_2_20181107T135607_20181107T140726_C001 CS_OFFL_SIR_FDM_2_20181107T140726_C001 CS_OFFL_SIR_FDM_2_20181107T120348_20181107T1203817_C001 CS_OFFL_SIR_FDM_2_20181107T1203817_C001 CS_OFFL_SIR_FDM_2_20181107T1203817_C001 CS_OFFL_SIR_FDM_2_20181107T1203817_C001 CS_OFFL_SIR_FDM_2_20181107T222419_20181107T223093_C001 CS_OFFL_SIR_FDM_2_20181107T222419_20181107T223093_C001 CS_OFFL_SIR_FDM_2_20181107T222419_20181107T223093_C001 CS_OFFL_SIR_FDM_2_20181107T222419_20181107T223093_C001 CS_OFFL_SIR_FDM_2_20181107T222419_20181107T223094_C001 CS_OFFL_SIR_FDM_2_20181107T222419_20181107T223094_C001 CS_OFFL_SIR_FDM_2_20181107T222419_20181107T223094_C001 CS_OFFL_SIR_FDM_2_20181107T222419_20181107T223094_C001 CS_OFFL_SIR_FDM_2_20181107T222419_20181107T223094_C001 CS_OFFL_SIR_FDM_2_20181107T222419_20181107T223094_C001 CS_OFFL_SIR_FDM_2_20181107T222419_C0181107T223094_C001 CS_OFFL_SIR_FDM_2_20181107T222419_C	CS_OFFL_SIR_FDM_220181107T080207_20181107T083648_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20181107T1094105_20181107T12939_20181107T1294646_C001 CS_OFFL_SIR_FDM_2_20181107T12939_20181107T122014_C001 CS_OFFL_SIR_FDM_2_20181107T121303_20181107T122014_C001 CS_OFFL_SIR_FDM_2_20181107T121303_20181107T122014_C001 CS_OFFL_SIR_FDM_2_20181107T130010_20181107T132503_C001 CS_OFFL_SIR_FDM_2_20181107T130010_20181107T132503_C001 CS_OFFL_SIR_FDM_2_20181107T135607_20181107T14076_C001 CS_OFFL_SIR_FDM_2_20181107T135607_20181107T14076_C001 CS_OFFL_SIR_FDM_2_20181107T143999_20181107T150545_C001 CS_OFFL_SIR_FDM_2_20181107T153048_20181107T150545_C001 CS_OFFL_SIR_FDM_2_20181107T153048_20181107T150545_C001 CS_OFFL_SIR_FDM_2_20181107T153048_20181107T119038_C001 CS_OFFL_SIR_FDM_2_20181107T10939_20181107T119038_C001 CS_OFFL_SIR_FDM_2_20181107T1202357_20181107T120236_C001 CS_OFFL_SIR_FDM_2_20181107T1202357_20181107T122217_C001 CS_OFFL_SIR_FDM_2_20181107T1202357_20181107T222217_C001 CS_OFFL_SIR_FDM_2_20181107T222147_20181107T222217_C001 CS_OFFL_SIR_FDM_2_20181107T222149_20181107T222217_C001 CS_OFFL_SIR_FDM_2_20181107T222149_20181107T222217_C001 CS_OFFL_SIR_FDM_2_20181107T222149_20181107T2223903_C001 CS_OFFL_SIR_FDM_2_20181107T222149_20181107T2223903_C001 CS_OFFL_SIR_FDM_2_20181107T222149_20181107T2223903_C001 CS_OFFL_SIR_FDM_2_20181107T232704_20181107T2232903_C001 CS_OFFL_SIR_FDM_2_20181107T232704_20181107T2223903_C001 CS_OFFL_SIR_FDM_2_20181107T232704_20181107T2223903_C001 CS_OFFL_SIR_FDM_2_20181107T232704_20181107T2223903_C001 CS_OFFL_SIR_FDM_2_20181107T232704_20181107T2232903_C001 CS_OFFL_SIR_FDM_2_20181107T232704_20181107T2223903_C001 CS_OFFL_SIR_FDM_2_20181107T232704_20181107T232903_C001 CS_OFFL_SIR_FDM_2_20181107T232704_20181107T232903_C001 CS_OFFL_SIR_FDM_2_20181107T232704_20181107T232903_C001 CS_OFFL_SIR_FDM_2_20181107T232704_20181107T232903_C001 CS_OFFL_SIR_FDM_2_20181107T232704_20181107T232903_C001 CS_OFFL_SIR_FDM_2_20181107T232704_20181107T232903_C001 CS_OFFL_SIR_FDM_2_20181107T232704_20181107T232903_C001 CS_OFFL_SIR_FDM_2_20181107T232704_20181107T232903_C001 CS_OF	CS_OFFL_SIR_FDM_220181107T090946_20181107T092300_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20181107T102939_20181107T122014_C001 CS_OFFL_SIR_FDM_2_20181107T12303_20181107T122014_C001 CS_OFFL_SIR_FDM_2_20181107T12303_20181107T122014_C001 CS_OFFL_SIR_FDM_2_20181107T130010_20181107T132503_C001 CS_OFFL_SIR_FDM_2_20181107T135607_20181107T140726_C001 CS_OFFL_SIR_FDM_2_20181107T135607_20181107T140726_C001 CS_OFFL_SIR_FDM_2_20181107T135607_20181107T140726_C001 CS_OFFL_SIR_FDM_2_20181107T135048_20181107T140726_C001 CS_OFFL_SIR_FDM_2_20181107T150448_20181107T140726_C001 CS_OFFL_SIR_FDM_2_20181107T150448_20181107T140726_C001 CS_OFFL_SIR_FDM_2_20181107T15048_20181107T150545_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CS_OFFL_SIR_FDM_2_20181107T15048_20181107T1440726_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CS_OFFL_SIR_FDM_2_20181107T15048_20181107T154639_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CS_OFFL_SIR_FDM_2_20181107T170842_20181107T174411_C001 CS_OFFL_SIR_FDM_2_20181107T170842_20181107T19038_C001 CS_OFFL_SIR_FDM_2_20181107T170842_20181107T19038_C001 CS_OFFL_SIR_FDM_2_20181107T1003817_C001 CS_OFFL_SIR_FDM_2_20181107T1202377_20181107T203817_C001 CS_OFFL_SIR_FDM_2_20181107T202357_20181107T203817_C001 CS_OFFL_SIR_FDM_2_20181107T202357_20181107T222217_C001 CS_OFFL_SIR_FDM_2_20181107T2222419_20181107T223903_C001 CS_OFFL_SIR_FDM_2_20181107T222449_20181107T223903_C001 CS_OFFL_SIR_FDM_2_20181107T222449_20181107T223903_C001 CS_OFFL_SIR_FDM_2_20181107T223245_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	CS_OFFL_SIR_FDM_220181107T094105_20181107T095606_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20181107T12303_20181107T122014_C001 CS_OFFL_SIR_FDM_2_20181107T130010_20181107T132503_C001 CS_OFFL_SIR_FDM_2_20181107T130010_20181107T132503_C001 CS_OFFL_SIR_FDM_2_20181107T135607_20181107T140726_C001 CS_OFFL_SIR_FDM_2_20181107T143939_20181107T150545_C001 CS_OFFL_SIR_FDM_2_20181107T143939_20181107T150545_C001 CS_OFFL_SIR_FDM_2_20181107T15048_20181107T150545_C001 CS_OFFL_SIR_FDM_2_20181107T15048_20181107T1504839_C001 CS_OFFL_SIR_FDM_2_20181107T150482_20181107T1754639_C001 CS_OFFL_SIR_FDM_2_20181107T170842_20181107T1774141_C001 CS_OFFL_SIR_FDM_2_20181107T170842_20181107T170842_20181107T170843_20181107T120887_C001 CS_OFFL_SIR_FDM_2_20181107T1202357_20181107T203817_C001 CS_OFFL_SIR_FDM_2_20181107T1202357_20181107T203817_C001 CS_OFFL_SIR_FDM_2_20181107T1202357_20181107T203817_C001 CS_OFFL_SIR_FDM_2_20181107T22247_20181107T222247_C001 CS_OFFL_SIR_FDM_2_20181107T22247_20181107T222247_C001 CS_OFFL_SIR_FDM_2_20181107T22247_20181107T222247_C001 CS_OFFL_SIR_FDM_2_20181107T22249_20181107T222247_C001 CS_OFFL_SIR_FDM_2_20181107T22249_20181107T222247_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CS_OFFL_SIR_FDM_2_20181107T22249_20181107T223241_C001 CFI Backscatter Status Flag CFI Backscatter St	CS_OFFL_SIR_FDM_2_20181107T102939_20181107T104646_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20181107T130010_20181107T140726_C001 CS_OFFL_SIR_FDM_2_20181107T135607_20181107T140726_C001 CS_OFFL_SIR_FDM_2_20181107T135607_20181107T150545_C001 CS_OFFL_SIR_FDM_2_20181107T135607_20181107T150545_C001 CS_OFFL_SIR_FDM_2_20181107T150048_20181107T150545_C001 CS_OFFL_SIR_FDM_2_20181107T150048_20181107T150545_C001 CS_OFFL_SIR_FDM_2_20181107T170842_20181107T174411_C001 CS_OFFL_SIR_FDM_2_20181107T170842_20181107T174141_C001 CS_OFFL_SIR_FDM_2_20181107T170842_20181107T10842_20181107T10842_20181107T10842_20181107T10844_20181107T10844_20184_201	CS_OFFL_SIR_FDM_2_20181107T121303_20181107T122014_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20181107T135607_20181107T140726_C001 CS_OFFL_SIR_FDM_2_20181107T143939_20181107T15045_C001 CS_OFFL_SIR_FDM_2_20181107T153048_20181107T154639_C001 CS_OFFL_SIR_FDM_2_20181107T173048_20181107T174141_C001 CS_OFFL_SIR_FDM_2_20181107T173442_20181107T174141_C001 CS_OFFL_SIR_FDM_2_20181107T173442_20181107T174141_C001 CS_OFFL_SIR_FDM_2_20181107T173442_20181107T174141_C001 CS_OFFL_SIR_FDM_2_20181107T173442_20181107T174141_C001 CS_OFFL_SIR_FDM_2_20181107T174443_30_C001 CS_OFFL_SIR_FDM_2_20181107T174443_30_C001 CS_OFFL_SIR_FDM_2_20181107T174443_30_C001 CS_OFFL_SIR_FDM_2_20181107T174443_30_C001 CS_OFFL_SIR_FDM_2_20181107T174443_30_C001 CS_OFFL_SIR_FDM_2_20181107T174443_30_C001 CS_OFFL_SIR_FDM_2_20181107T1202357_20181107T203817_C001 CS_OFFL_SIR_FDM_2_20181107T22147_20181107T222217_C001 CS_OFFL_SIR_FDM_2_20181107T22147_20181107T222217_C001 CS_OFFL_SIR_FDM_2_20181107T22147_20181107T222217_C001 CS_OFFL_SIR_FDM_2_20181107T22147_20181107T2223903_C001 CS_OFFL_SIR_FDM_2_20181107T222419_20181107T223541_C001 CS_OFFL_SIR_FDM_2_20181107T222419_20181107T223541_C001 CS_OFFL_SIR_FDM_2_20181107T222419_20181107T2232541_C001 CS_OFFL_SIR_FDM_2_20181107T231654_20181107T232545_C001 CS_OFFL_SIR_FDM_2_20181107T232704_20181107T232545_C001 CS_OFFL_SIR_FDM_2_20181107T232704_20181107T232545_C001 CS_OFFL_SIR_FDM_2_20181107T232704_20181107T232545_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, S	CS_OFFL_SIR_FDM_220181107T130010_20181107T132503_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20181107T143939_20181107T150545_C001 CS_OFFL_SIR_FDM_2_20181107T153048_20181107T154639_C001 CS_OFFL_SIR_FDM_2_20181107T173044_20181107T174141_C001 CS_OFFL_SIR_FDM_2_20181107T170842_20181107T174141_C001 CS_OFFL_SIR_FDM_2_20181107T170842_20181107T174141_C001 CS_OFFL_SIR_FDM_2_20181107T184639_20181107T192038_C001 CS_OFFL_SIR_FDM_2_20181107T1202357_20181107T1203817_C001 CS_OFFL_SIR_FDM_2_20181107T202357_20181107T203817_C001 CS_OFFL_SIR_FDM_2_20181107T222247_20181107T222217_C001 CS_OFFL_SIR_FDM_2_20181107T222247_20181107T223903_C001 CS_OFFL_SIR_FDM_2_20181107T222419_20181107T223903_C001 CS_OFFL_SIR_FDM_2_20181107T222419_20181107T223241_C001 CS_OFFL_SIR_FDM_2_20181107T222419_20181107T232845_C001 CS_OFFL_SIR_FDM_2_20181107T232704_20181107T232845_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 CS_OFFL_SIR_FDM_2_20181107T222419_20181107T2232903_C001 CS_OFFL_SIR_FDM_2_20181107T222419_20181107T232845_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 F	CS_OFFL_SIR_FDM_220181107T135607_20181107T140726_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20181107T153048_20181107T154639_C001 CS_OFFL_SIR_FDM_2_20181107T170842_20181107T174141_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag Squared Ave	CS_OFFL_SIR_FDM_220181107T143939_20181107T150545_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20181107T178442_20181107T192038_C001 CS_OFFL_SIR_FDM_2_20181107T202357_20181107T203817_C001 CS_OFFL_SIR_FDM_2_20181107T221247_20181107T222217_C001 CS_OFFL_SIR_FDM_2_20181107T221247_20181107T223903_C001 CS_OFFL_SIR_FDM_2_20181107T222419_20181107T223541_C001 CS_OFFL_SIR_FDM_2_20181107T2232704_20181107T232541_C001 CS_OFFL_SIR_FDM_2_20181107T232704_20181107T232845_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging St	CS_OFFL_SIR_FDM_220181107T153048_20181107T154639_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20181107T184639_20181107T192038_C001 CS_OFFL_SIR_FDM_2_20181107T202357_20181107T203817_C001 CS_OFFL_SIR_FDM_2_20181107T22237_C001 CS_OFFL_SIR_FDM_2_20181107T222217_C001 CS_OFFL_SIR_FDM_2_20181107T222247_20181107T222217_C001 CS_OFFL_SIR_FDM_2_20181107T222419_20181107T223903_C001 CS_OFFL_SIR_FDM_2_20181107T222419_20181107T223903_C001 CS_OFFL_SIR_FDM_2_20181107T231654_20181107T232541_C001 CS_OFFL_SIR_FDM_2_20181107T231654_20181107T232845_C001 CS_OFFL_SIR_FDM_2_20181107T232704_20181107T232845_C001 CS_OFFL	CS_OFFL_SIR_FDM_220181107T170842_20181107T174141_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20181107T202357_20181107T203817_C001 CS_OFFL_SIR_FDM_2_20181107T221247_20181107T222217_C001 CS_OFFL_SIR_FDM_2_20181107T221247_20181107T222217_C001 CS_OFFL_SIR_FDM_2_20181107T222419_20181107T223903_C001 CS_OFFL_SIR_FDM_2_20181107T222419_20181107T223903_C001 CS_OFFL_SIR_FDM_2_20181107T231654_20181107T232541_C001 CS_OFFL_SIR_FDM_2_20181107T231654_20181107T232541_C001 CS_OFFL_SIR_FDM_2_20181107T231654_20181107T232541_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CS_OFFL_SIR_FDM_2_20181107T231654_20181107T232541_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CS_OFFL_SIR_FDM_2_20181107T231654_20181107T232541_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 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. CFI Backscatter Status Flag CFI Backscatter Statu	CS_OFFL_SIR_FDM_220181107T184639_20181107T192038_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20181107T221247_20181107T222217_C001 CFI Backscatter Status Flag Squared Averaging Status Flag indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records. CS_OFFL_SIR_FDM_2_20181107T222419_20181107T223903_C001 CS_OFFL_SIR_FDM_2_20181107T231654_20181107T232541_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag SWH Squared Averaging Status Flag Squared Averaging Status Flag SWH Squared Averaging Status Flag Squared Averaging Status Flag SWH Squared Averaging Status Flag Squared Averaging Status Flag SWH Squared Averaging Status Flag Squared Averaging 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.	CS_OFFL_SIR_FDM_220181107T202357_20181107T203817_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20181107T222419_20181107T223903_C001 CS_OFFL_SIR_FDM_2_20181107T231654_20181107T232541_C001 CS_OFFL_SIR_FDM_2_20181107T231654_20181107T232541_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 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_2_20181107T221247_20181107T222217_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20181107T231654_20181107T232541_C001 Squared Averaging Status Flag. CS_OFFL_SIR_FDM_2_20181107T232704_20181107T232845_C001 CS_OFFL_SIR_FDM_2_20181107T232704_20181107T232845_C001 CS_OFFL_SIR_FDM_2_20181107T232704_20181107T232845_C001 CS_OFFL_SIR_FDM_2_20181107T232704_20181107T232845_C001 CS_OFFL_SIR_FDM_2_20181107T232704_20181107T232845_C001	CS_OFFL_SIR_FDM_220181107T222419_20181107T223903_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_220181107T232704_20181107T232845_C001	CS_OFFL_SIR_FDM_220181107T231654_20181107T232541_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
	CS_OFFL_SIR_FDM_2_20181107T232704_20181107T232845_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.

Number of products with errors:

37

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220181106T234920_20181107T000508_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_220181107T000511_20181107T000758_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_220181107T001017_20181107T001834_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_220181107T004645_20181107T010806_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_220181107T012406_20181107T014951_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_220181107T022303_20181107T024732_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_220181107T031948_20181107T033648_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_220181107T035934_20181107T040712_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_220181107T044420_20181107T051619_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_220181107T054416_20181107T060447_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_220181107T062222_20181107T065638_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_220181107T072004_20181107T072445_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_220181107T072524_20181107T074409_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_220181107T080207_20181107T083648_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_220181107T090946_20181107T092300_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_220181107T094105_20181107T095606_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_220181107T102939_20181107T104646_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_220181107T121007_20181107T121140_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_220181107T121303_20181107T122014_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_220181107T122136_20181107T124442_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_20181107T130010_20181107T132503_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_220181107T135607_20181107T140726_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_20181107T143939_20181107T150545_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_20181107T151432_20181107T151636_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_20181107T153048_20181107T154639_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_220181107T170842_20181107T174141_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_220181107T184639_20181107T192038_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_220181107T193757_20181107T201113_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_220181107T202357_20181107T203817_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_220181107T204257_20181107T204441_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_220181107T204444_20181107T204507_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_220181107T204515_20181107T205958_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_220181107T221247_20181107T222217_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_220181107T222419_20181107T223903_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_220181107T231244_20181107T231648_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_220181107T231654_20181107T232541_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_220181107T232704_20181107T232845_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.

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7. QCC Report Analysis

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

Product type	Nb. Products	Nb. QCC Reports	Nb. Valid	Nb. Warnings	Nb. Errors
SIR_FDM_1B	154	154	154	0	0
SIR FDM 2	152	152	152	0	0

7.1 QCC Errors

Number of QCC reports with errors:

0

7.2 QCC Warnings

Number of QCC reports with warnings

7.3 Missing QCC Reports

Number of products with missing QCC reports:

0