



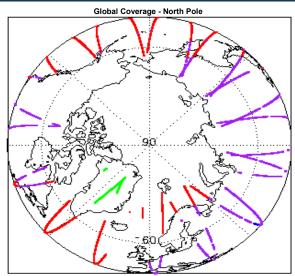
1. Overview

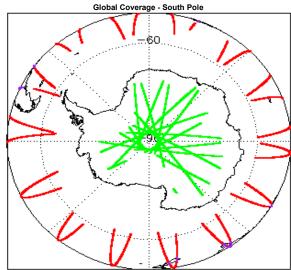
Report Production Date:	29-Nov-2016	
Processor Used:	CryoSat Ice Processor	
Data Used:	L1 and L2 Fast Delivery Marine (FDM) Mode and L0 Data	

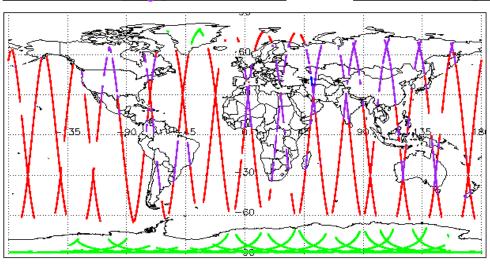
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check	Nominal
Auxiliary Data File 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

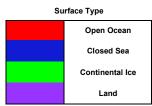
Mission / Instru	ment News
27-Nov-2016	None
28-Nov-2016	None
29-Nov-2016	Nothing planned

2. Global Coverage









3. Instrument Configuration

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

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

4. Level 0 Data Quality Check

4.1 L0 Product Format Check

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

Number of products with errors:

0

4.2 L0 Product Header Analysis

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

Product	Test Failed
CS_OPER_SIR1SAR_020161128T040356_20161128T040455_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_0_20161128T054539_20161128T055513_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020161128T185534_20161128T190206_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020161128T074703_20161128T075130_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020161128T190206_20161128T190641_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020161128T193958_20161128T194656_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020161128T181219_20161128T181545_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_0_20161128T213535_20161128T213712_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020161128T023310_20161128T023926_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020161128T230423_20161128T230612_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS OPER SIR2SIN 0 20161128T213535 20161128T213712 0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.

5. Level 1B FDM Data Quality Check

5.1 L1B FDM Product Format Check

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

Number of products with errors:

5.2 L1B FDM Product Header Analysis

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

Number of products with errors:

5.3 L1B FDM Star Tracker Usage Check

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

Number of products with errors:

Product	Test Failed
CS_OFFL_SIR_FDM_1B_20161128T004255_20161128T004309_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20161128T004309_20161128T004310_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20161128T021906_20161128T021920_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20161128T035540_20161128T035714_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20161128T064627_20161128T071932_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:

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_20161128T004255_20161128T004309_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20161128T004309_20161128T004310_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20161128T021906_20161128T021920_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20161128T035540_20161128T035714_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20161128T064627_20161128T071932_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20161128T101317_20161128T101338_C001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo

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.

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:

41

Product	Test Failed	Description
	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220161128T000841_20161128T003324_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_220161128T014808_20161128T021332_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 There is an error with the Sea State Bias Correction for one or more
CS_OFFL_SIR_FDM_220161128T022304_20161128T022506_C001	Sea State Bias Correction	records
CS_OFFL_SIR_FDM_220161128T030042_20161128T030958_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_220161128T040254_20161128T040355_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_220161128T041709_20161128T045010_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220161128T055514_20161128T062429_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_220161128T062439_20161128T062911_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_220161128T075131_20161128T075401_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_220161128T075404_20161128T080831_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_220161128T082723_20161128T083945_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_220161128T084129_20161128T085840_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_220161128T092113_20161128T093049_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_220161128T093252_20161128T094738_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_220161128T102113_20161128T102543_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_220161128T102546_20161128T103410_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_220161128T111126_20161128T112616_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_220161128T114141_20161128T120420_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220161128T120423_20161128T120754_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_220161128T133726_20161128T134720_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220161128T135058_20161128T135156_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_220161128T141850_20161128T142526_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_220161128T142529_20161128T144430_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_220161128T150151_20161128T153418_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220161128T155906_20161128T160022_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_220161128T161854_20161128T162107_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_220161128T164018_20161128T170125_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220161128T172544_20161128T172923_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220161128T173647_20161128T175038_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_220161128T182447_20161128T185211_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_220161128T185214_20161128T185412_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_220161128T191234_20161128T193958_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_220161128T195901_20161128T201544_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_220161128T202025_20161128T202759_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220161128T203045_20161128T203108_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_220161128T204900_20161128T210429_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220161128T210644_20161128T212140_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_220161128T213746_20161128T215213_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_220161128T215352_20161128T220855_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_220161128T222740_20161128T223815_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_220161128T231745_20161128T234121_C001	Sea State Bias Correction	There is an error with the 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:

5

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220161128T004255_20161128T004309_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220161128T021906_20161128T021920_C001	Attitude correction missing	The attitude has not been corrected

CS_OFFL_SIR_FDM_220161128T035540_20161128T035714_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220161128T064627_20161128T071932_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220161128T101317_20161128T101338_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo

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:

25

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220161128T000841_20161128T003324_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_220161128T014808_20161128T021332_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_220161128T040254_20161128T040355_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_220161128T055514_20161128T062429_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_220161128T062439_20161128T062911_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_220161128T075131_20161128T075401_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_220161128T075404_20161128T080831_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_220161128T082723_20161128T083945_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_220161128T092113_20161128T093049_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_220161128T093252_20161128T094738_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_220161128T102113_20161128T102543_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_220161128T102546_20161128T103410_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_220161128T120423_20161128T120754_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_220161128T135058_20161128T135156_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_220161128T141850_20161128T142526_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_220161128T155906_20161128T160022_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_220161128T173647_20161128T175038_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_220161128T182447_20161128T185211_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_220161128T185214_20161128T185412_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_220161128T191234_20161128T193958_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_220161128T195901_20161128T201544_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_220161128T203045_20161128T203108_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_220161128T213746_20161128T215213_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_220161128T215352_20161128T220855_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_220161128T222740_20161128T223815_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:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220161128T000841_20161128T003324_C001		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_220161128T014808_20161128T021332_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_220161128T040254_20161128T040355_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.

S_GFFL_SIR_FDM_2_20161128T06439_20161128T06291_CO01 S_GFFL_SIR_FDM_2_20161128T075401_20161128T075401_CO01 S_GFFL_SIR_FDM_2_20161128T075404_20161128T080831_CO01 S_GFFL_SIR_FDM_2_20161128T075404_20161128T080831_CO01 S_GFFL_SIR_FDM_2_20161128T075404_20161128T080831_CO01 S_GFFL_SIR_FDM_2_20161128T082732_20161128T080831_CO01 S_GFFL_SIR_FDM_2_20161128T082732_20161128T080343_CO01 S_GFFL_SIR_FDM_2_20161128T082131_20161128T080343_CO01 S_GFFL_SIR_FDM_2_20161128T082131_20161128T080343_CO01 S_GFFL_SIR_FDM_2_20161128T082131_20161128T080343_CO01 S_GFFL_SIR_FDM_2_20161128T082131_20161128T083034_CO01 S_GFFL_SIR_FDM_2_20161128T082131_20161128T083034_CO01 S_GFFL_SIR_FDM_2_20161128T082131_20161128T083034_CO01 S_GFFL_SIR_FDM_2_20161128T082322_20161128T083034_CO01 S_GFFL_SIR_FDM_2_20161128T082323_20161128T083034_CO01 S_GFFL_SIR_FDM_2_20161128T102343_CO01 S_GFFL_SIR_FDM_2_20161128T13088_20161128T130315_CO01 S_GFFL_SIR_FDM_2_20161128T13088_20161128T130315_CO01 S_GFFL_SIR_FDM_2_20161128T13088_20161128T130315_CO01 S_GFFL_SIR_FDM_2_20161128T18080_C0161128T10002_CO01 S_GFFL_SIR_FDM_2_20161128T18080_C0161128T100002_CO01 S_GFFL_SIR_FDM_2_20161128T18080_C0161128T100002_CO01 S_GFFL_SIR_FDM_2_20161128T18080_C0161128T100000_CO01 S_GFFL_SIR_FDM_2_20161128T180000_C0016128T100000_C001 S_GFFL_SIR_FDM_2_20161128T180000_C0016128T100000_C001 S_GFFL_SIR_FDM_2_20161128T100000_C0016128T100000000000000000000000000000000000	CS_OFFL_SIR_FDM_220161128T055514_20161128T062429_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.
GS_OFFL_SIR_FDM_2_20161128T075404_20161128T080831_C001 CS_OFFL_SIR_FDM_2_20161128T082732_20161128T080831_C001 CS_OFFL_SIR_FDM_2_20161128T082732_20161128T080834_C001 CS_OFFL_SIR_FDM_2_20161128T082732_20161128T080834_C001 CS_OFFL_SIR_FDM_2_20161128T08213_20161128T09049_C001 CS_OFFL_SIR_FDM_2_20161128T08213_20161128T09049_C001 CS_OFFL_SIR_FDM_2_20161128T08213_20161128T094738_C001 CS_OFFL_SIR_FDM_2_20161128T08213_20161128T094738_C001 CS_OFFL_SIR_FDM_2_20161128T09213_20161128T094738_C001 CS_OFFL_SIR_FDM_2_20161128T00213_20161128T102545_C001 CS_OFFL_SIR_FDM_2_20161128T10246_20161128T102754_C001 CS_OFFL_SIR_FDM_2_20161128T10246_20161128T100410_C001 CS_OFFL_SIR_FDM_2_20161128T100402_C00161128T100404_C0016 CS_OFFL_SIR_FDM_2_20161128T100402_C00161128T100404_C0016 CS_OFFL_SIR_FDM_2_20161128T100402_C00161128T100404_C0016 CS_OFFL_SIR_FDM_2_20161128T100402_C00161128T100404_C0016 CS_OFFL_SIR_FDM_2_20161128T100404_C00161128T100404_C0016 CS_OFFL_SIR_FDM_2_20161128T100404_C00161128T100404_C0016 CS_OFFL_SIR_FDM_2_20161128T100404_C00161128T100404_C001604_C	CS_OFFL_SIR_FDM_220161128T062439_20161128T062911_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20161128T08274_20161128T08934_COO1 CS_OFFL_SIR_FDM_2_20161128T082723_20161128T083945_COO1 CS_OFFL_SIR_FDM_2_20161128T082723_20161128T083945_COO1 CS_OFFL_SIR_FDM_2_20161128T08213_20161128T093049_COO1 CS_OFFL_SIR_FDM_2_20161128T093252_20161128T093049_COO1 CS_OFFL_SIR_FDM_2_20161128T093252_20161128T094738_COO1 CS_OFFL_SIR_FDM_2_20161128T093252_20161128T094738_COO1 CS_OFFL_SIR_FDM_2_20161128T10213_20161128T094738_COO1 CS_OFFL_SIR_FDM_2_20161128T10213_20161128T10243_COO1 CS_OFFL_SIR_FDM_2_20161128T102143_20161128T102440_COO1 CS_OFFL_SIR_FDM_2_20161128T10243_20161128T102440_COO1 CS_OFFL_SIR_FDM_2_20161128T10243_20161128T102754_COO1 CS_OFFL_SIR_FDM_2_20161128T10243_20161128T102450_COO1 CS_OFFL_SIR_FDM_2_20161128T130508_20161128T13056_COO1 CS_OFFL_SIR_FDM_2_20161128T14850_20161128T148266_COO1 CS_OFFL_SIR_FDM_2_20161128T148642_COO16 CS_OFFL_SIR_FDM_2_20161128T148644_COO16 CS_OFFL_SIR_FDM_2_20161128T148644_COO16 CS_OFFL_SIR_FDM_2_20161128T148644_COO16 CS_OFFL_SIR_FDM_2_20161128T18644_COO16 CS_OFFL_SIR_FDM_2_20161128T18644_COO16 CS_OFFL_SIR_FDM_2_20161128T19858_COO1 CS_OFFL_SIR_FDM_2_20161128T19858_COO16 CS_OFFL_SIR_FDM_2_20161128T19858_COO16 CS_OFFL_SIR_FDM_2_20161128T198640_CO016128T19088_COO16 CS_OFFL_SIR_FDM_2_20161128T19650_CO0161128T19088_COO16 CS_OFFL_SIR_FDM_2_20161128T19650_CO0161128T19088_COO16 CS_OFFL_SIR_FDM_2_20161128T19650_CO0161128T19088_COO16 CS_OFFL_SIR_FDM_2_20161128T19650_CO0161128T19088_COO16 CS_OFFL_SIR_FDM_2_20161128T19650_CO0161128T201644_COO16 CS_OFFL_SIR_FDM_2_2016112	CS_OFFL_SIR_FDM_220161128T075131_20161128T075401_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20161128T09273_20161128T093945_C001 CS_OFFL_SIR_FDM_2_20161128T09213_20161128T094738_C001 CS_OFFL_SIR_FDM_2_20161128T093252_20161128T094738_C001 CS_OFFL_SIR_FDM_2_20161128T10213_20161128T09434_C001 CS_OFFL_SIR_FDM_2_20161128T10213_20161128T09434_C001 CS_OFFL_SIR_FDM_2_20161128T10213_20161128T102543_C001 CS_OFFL_SIR_FDM_2_20161128T10243_20161128T102545_C001 CS_OFFL_SIR_FDM_2_20161128T10243_20161128T102754_C001 CS_OFFL_SIR_FDM_2_20161128T10243_20161128T102754_C001 CS_OFFL_SIR_FDM_2_20161128T1043_20161128T102754_C001 CS_OFFL_SIR_FDM_2_20161128T1043_20161128T102754_C001 CS_OFFL_SIR_FDM_2_20161128T1043_20161128T104556_C001 CS_OFFL_SIR_FDM_2_20161128T10508_20161128T10503_C001 CS_OFFL_SIR_FDM_2_20161128T10508_20161128T10503_C001 CS_OFFL_SIR_FDM_2_20161128T105096_20161128T10503_C001 CS_OFFL_SIR_FDM_2	CS_OFFL_SIR_FDM_220161128T075404_20161128T080831_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20161128T09213_20161128T094738_C001 CS_OFFL_SIR_FDM_2_20161128T004738_C001 CS_OFFL_SIR_FDM_2_20161128T00213_20161128T102543_C001 CS_OFFL_SIR_FDM_2_20161128T102546_20161128T102543_C001 CS_OFFL_SIR_FDM_2_20161128T102546_20161128T102543_C001 CS_OFFL_SIR_FDM_2_20161128T102546_20161128T102543_C001 CS_OFFL_SIR_FDM_2_20161128T102546_20161128T102540_C001 CS_OFFL_SIR_FDM_2_20161128T102546_20161128T102540_C001 CS_OFFL_SIR_FDM_2_20161128T102546_20161128T102554_C001 CS_OFFL_SIR_FDM_2_20161128T102546_20161128T102554_C001 CS_OFFL_SIR_FDM_2_20161128T102548_20161128T102554_C001 CS_OFFL_SIR_FDM_2_20161128T102556_20161128T10256_C001 CS_OFFL_SIR_FDM_2_20161128T10256_20161128T10000000000000000000000000000000000	CS_OFFL_SIR_FDM_220161128T082723_20161128T083945_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
S. OFFL_SIR_FDM_2_20161128T094738_C001 CS_OFFL_SIR_FDM_2_20161128T102143_20161128T103410_C001 CS_OFFL_SIR_FDM_2_20161128T102546_20161128T103410_C001 CS_OFFL_SIR_FDM_2_20161128T102542_20161128T103410_C001 CS_OFFL_SIR_FDM_2_20161128T102542_20161128T103410_C001 CS_OFFL_SIR_FDM_2_20161128T102543_C00161128T103410_C001 CS_OFFL_SIR_FDM_2_20161128T102543_C00161128T103410_C001 CS_OFFL_SIR_FDM_2_20161128T102543_C00161128T103410_C001 CS_OFFL_SIR_FDM_2_20161128T135058_20161128T135156_C001 CS_OFFL_SIR_FDM_2_20161128T135058_20161128T135156_C001 CS_OFFL_SIR_FDM_2_20161128T135058_20161128T142526_C001 CS_OFFL_SIR_FDM_2_20161128T135058_20161128T160022_C001 CS_OFFL_SIR_FDM_2_20161128T13640_C0161128T160022_C001 CS_OFFL_SIR_FDM_2_20161128T13640_C0161128T160022_C001 CS_OFFL_SIR_FDM_2_20161128T13647_20161128T185211_C001 CS_OFFL_SIR_FDM_2_20161128T182447_20161128T185211_C001 CS_OFFL_SIR_FDM_2_20161128T182447_20161128T185211_C001 CS_OFFL_SIR_FDM_2_20161128T182447_20161128T185214_C001 CS_OFFL_SIR_FDM_2_20161128T182447_20161128T185215_C001 CS_OFFL_SIR_FDM_2_20161128T185244_C0161128T185215_C001 CS_OFFL_SIR_FDM_2_20161128T182447_20161128T185251_C001 CS_OFFL_SIR_FDM_2_20161128T185244_C0161128T185215_C001 CS_OFFL_SIR_FDM_2_20161128T185244_C0161128T185215_C001 CS_OFFL_SIR_FDM_2_20161128T185244_C0161128T185215_C001 CS_OFFL_SIR_FDM_2_20161128T193368_C001 CS_OFFL_SIR_FDM_2_20161128T193368_C001 CS_OFFL_SIR_FDM_2_20161128T193368_C001 CS_OFFL_SIR_FDM_2_20161128T193368_C001 CS_OFFL_SIR_FDM_2_20161128T23746_20161128T201544_C001 CS_OFFL_SIR_FDM_2_20161128T23746_20161128T201544_C001 CS_OFFL_SIR_FDM_2_20161128T23746_20161128T203045_C0016128T203085_C001 CS_OFFL_SIR_FDM_2_20161128T23746_20161128T203085_C001 CS_OFFL_SIR_FDM_2_20161128T23746_20161128T203586_C001 CS_OFFL_SIR_FDM_2_20161128T23746_20161128T203585_C001 CS_OFFL_SIR_FDM_2_20161128T23746_20161128T203585_C001 CS_OFFL_SIR_FDM_2_20161128T23746_20161128T203585_C001 CS_OFFL_SIR_FDM_2_20161128T23746_20161128T203585_C001 CS_OFFL_SIR_FDM_2_20161128T23746_20161128T20358	CS_OFFL_SIR_FDM_220161128T092113_20161128T093049_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20161128T102113_20161128T103410_C001 CS_OFFL_SIR_FDM_2_20161128T102546_20161128T103410_C001 CS_OFFL_SIR_FDM_2_20161128T120423_20161128T120754_C001 CS_OFFL_SIR_FDM_2_20161128T120423_20161128T135156_C001 CS_OFFL_SIR_FDM_2_20161128T135058_20161128T135156_C001 CS_OFFL_SIR_FDM_2_20161128T135058_20161128T135156_C001 CS_OFFL_SIR_FDM_2_20161128T141850_20161128T14556_C001 CS_OFFL_SIR_FDM_2_20161128T141850_20161128T14556_C001 CS_OFFL_SIR_FDM_2_20161128T141850_20161128T160022_C001 CS_OFFL_SIR_FDM_2_20161128T165996_20161128T160022_C001 CS_OFFL_SIR_FDM_2_20161128T18247_20161128T160022_C001 CS_OFFL_SIR_FDM_2_20161128T18247_20161128T185211_C001 CS_OFFL_SIR_FDM_2_20161128T18247_20161128T185211_C001 CS_OFFL_SIR_FDM_2_20161128T185241_200161128T185211_C001 CS_OFFL_SIR_FDM_2_20161128T185241_20161128T185211_C001 CS_OFFL_SIR_FDM_2_20161128T185242_C001 CS_OFFL_SIR_FDM_2_20161128T185242_C001 CS_OFFL_SIR_FDM_2_20161128T185242_C001 CS_OFFL_SIR_FDM_2_20161128T185242_C001 CS_OFFL_SIR_FDM_2_20161128T185242_C001 CS_OFFL_SIR_FDM_2_20161128T185242_C001 CS_OFFL_SIR_FDM_2_20161128T19234_20161128T185213_C001 CS_OFFL_SIR_FDM_2_20161128T195901_20161128T201544_C001 CS_OFFL_SIR_FDM_2_20161128T195901_20161128T201544_C001 CS_OFFL_SIR_FDM_2_20161128T203045_20161128T203045_C0016	CS_OFFL_SIR_FDM_2_20161128T093252_20161128T094738_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20161128T10243_20161128T10754_C001 CS_OFFL_SIR_FDM_2_20161128T120423_20161128T135156_C001 CS_OFFL_SIR_FDM_2_20161128T1351558_20161128T135156_C001 CS_OFFL_SIR_FDM_2_20161128T1351558_20161128T14526_C001 CS_OFFL_SIR_FDM_2_20161128T141850_20161128T14526_C001 CS_OFFL_SIR_FDM_2_20161128T141850_20161128T160022_C001 CS_OFFL_SIR_FDM_2_20161128T173647_20161128T175038_C001 CS_OFFL_SIR_FDM_2_20161128T173647_20161128T175038_C001 CS_OFFL_SIR_FDM_2_20161128T185244_Z0161128T185211_C001 CS_OFFL_SIR_FDM_2_20161128T185214_Z0161128T185212_C001 CS_OFFL_SIR_FDM_2_20161128T185214_Z0161128T185212_C001 CS_OFFL_SIR_FDM_2_20161128T185214_Z0161128T185214_C001 CS_OFFL_SIR_FDM_2_20161128T185214_Z0161128T185214_C001 CS_OFFL_SIR_FDM_2_20161128T185214_Z0161128T185214_C001 CS_OFFL_SIR_FDM_2_20161128T185214_Z0161128T185214_C001 CS_OFFL_SIR_FDM_2_20161128T185214_Z0161128T199595_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag USANDA STATE STATUS Flag SWH Squared Averaging Status Flag USANDA STATUS Flag SWH Squared Averaging Status Flag USANDA SWH Squared Averaging Statu	CS_OFFL_SIR_FDM_220161128T102113_20161128T102543_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20161128T120423_20161128T135156_C001 CS_OFFL_SIR_FDM_2_20161128T135058_20161128T135156_C001 CS_OFFL_SIR_FDM_2_20161128T141850_20161128T145262_C001 CS_OFFL_SIR_FDM_2_20161128T141850_20161128T145262_C001 CS_OFFL_SIR_FDM_2_20161128T155906_20161128T145262_C001 CS_OFFL_SIR_FDM_2_20161128T155906_20161128T160022_C001 CS_OFFL_SIR_FDM_2_20161128T155906_20161128T160022_C001 CS_OFFL_SIR_FDM_2_20161128T173647_20161128T175038_C001 CS_OFFL_SIR_FDM_2_20161128T185447_20161128T175038_C001 CS_OFFL_SIR_FDM_2_20161128T185214_C001 CS_OFFL_SIR_FDM_2_20161128T19234_20161128T201544_C001 CS_OFFL_SIR_FDM_2_20161128T19234_20161128T201544_C001 CS_OFFL_SIR_FDM_2_20161128T203045_20161128T201544_C001 CS_OFFL_SIR_FDM_2_20161128T203045_20161128T203108_C001 CS_OFFL_SIR_FDM_2_20161128T203045_20161128T203108_C001 CS_OFFL_SIR_FDM_2_20161128T203045_20161128T203108_C001 CS_OFFL_SIR_FDM_2_20161128T203045_20161128T203108_C001 CS_OFFL_SIR_FDM_2_20161128T203045_20161128T203108_C001 CS_OFFL_SIR_FDM_2_20161128T203045_20161128T203108_C001 CS_OFFL_SIR_FDM_2_20161128T203045_20161128T203108_C001 CS_OFFL_SIR_FDM_2_20161128T203045_20161128T203108_C001 CS_OFFL_SIR_FDM_2_20161128T203045_20161128T203108_C001 CS_OFFL_SIR_FDM_2_20161128T203045_20161128T203085_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 CFI Backscatter Status Flag CFI Backscatter Status	CS_OFFL_SIR_FDM_220161128T102546_20161128T103410_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20161128T135058_20161128T142526_C001 CS_OFFL_SIR_FDM_2_20161128T141850_20161128T142526_C001 CS_OFFL_SIR_FDM_2_20161128T1455906_20161128T160022_C001 CS_OFFL_SIR_FDM_2_20161128T155906_20161128T160022_C001 CS_OFFL_SIR_FDM_2_20161128T155906_20161128T160022_C001 CS_OFFL_SIR_FDM_2_20161128T173647_20161128T17308_C001 CS_OFFL_SIR_FDM_2_20161128T182447_20161128T185211_C001 CS_OFFL_SIR_FDM_2_20161128T182447_20161128T185211_C001 CS_OFFL_SIR_FDM_2_20161128T182447_20161128T185412_C001 CS_OFFL_SIR_FDM_2_20161128T18244_20161128T185412_C001 CS_OFFL_SIR_FDM_2_20161128T191234_20161128T193958_C001 CS_OFFL_SIR_FDM_2_20161128T191234_20161128T193958_C001 CS_OFFL_SIR_FDM_2_20161128T195901_20161128T201544_C001 CS_OFFL_SIR_FDM_2_20161128T203045_20161128T203108_C001 CS_OFFL_SIR_FDM_2_20161128T203045_20161128T203108_C001 CS_OFFL_SIR_FDM_2_20161128T203045_20161128T2513_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag SW	CS_OFFL_SIR_FDM_220161128T120423_20161128T120754_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20161128T141850_20161128T140022_C001 CS_OFFL_SIR_FDM_2_20161128T155906_20161128T160022_C001 CS_OFFL_SIR_FDM_2_20161128T173647_20161128T175038_C001 CS_OFFL_SIR_FDM_2_20161128T173647_20161128T185211_C001 CS_OFFL_SIR_FDM_2_20161128T185214_20161128T185211_C001 CS_OFFL_SIR_FDM_2_20161128T185214_20161128T185412_C001 CS_OFFL_SIR_FDM_2_20161128T185214_20161128T18598_C001 CS_OFFL_SIR_FDM_2_20161128T19234_20161128T193958_C001 CS_OFFL_SIR_FDM_2_20161128T195901_20161128T201544_C001 CS_OFFL_SIR_FDM_2_20161128T195901_20161128T201544_C001 CS_OFFL_SIR_FDM_2_20161128T203045_20161128T203108_C001 CS_OFFL_SIR_FDM_2_20161128T203045_20161128T203108_C001 CS_OFFL_SIR_FDM_2_20161128T213746_20161128T20355_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	CS_OFFL_SIR_FDM_2_20161128T135058_20161128T135156_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20161128T155906_20161128T160022_C001 CS_OFFL_SIR_FDM_2_20161128T173647_20161128T175038_C001 CS_OFFL_SIR_FDM_2_20161128T182447_20161128T185211_C001 CS_OFFL_SIR_FDM_2_20161128T182447_20161128T185211_C001 CS_OFFL_SIR_FDM_2_20161128T185214_20161128T185412_C001 CS_OFFL_SIR_FDM_2_20161128T185214_20161128T185412_C001 CS_OFFL_SIR_FDM_2_20161128T191234_20161128T193958_C001 CS_OFFL_SIR_FDM_2_20161128T191234_20161128T201544_C001 CS_OFFL_SIR_FDM_2_20161128T203045_20161128T203108_C001 CS_OFFL_SIR_FDM_2_20161128T203045_20161128T215213_C001 CS_OFFL_SIR_FDM_2_20161128T213746_20161128T215213_C001 CS_OFFL_SIR_FDM_2_20161128T215352_20161128T20355_C001 CS_OFFL_SIR_FDM_2_20161128T2153552_20161128T20355_C001 CS_OFFL_SIR_FDM_2_20161128T2153552_20161128T20355_C001	CS_OFFL_SIR_FDM_220161128T141850_20161128T142526_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20161128T173647_20161128T175038_C001 CS_OFFL_SIR_FDM_2_20161128T185244_20161128T185211_C001 CS_OFFL_SIR_FDM_2_20161128T185214_20161128T185412_C001 CS_OFFL_SIR_FDM_2_20161128T191234_20161128T193958_C001 CS_OFFL_SIR_FDM_2_20161128T191234_20161128T201544_C001 CS_OFFL_SIR_FDM_2_20161128T195001_20161128T201544_C001 CS_OFFL_SIR_FDM_2_20161128T203045_20161128T203108_C001 CS_OFFL_SIR_FDM_2_20161128T203045_20161128T203108_C001 CS_OFFL_SIR_FDM_2_20161128T213746_20161128T215213_C001 CS_OFFL_SIR_FDM_2_20161128T213535_20161128T20355_C001 CS_OFFL_SIR_FDM_2_20161128T215352_20161128T20355_C001 CS_OFFL_SIR_FDM_2_20161128T215352_20161128T20355_C001 CS_OFFL_SIR_FDM_2_20161128T215352_20161128T20855_C001 CS_OFFL_SIR_FDM_2_20161128T215352_20161128T20855_C001 CS_OFFL_SIR_FDM_2_20161128T215352_20161128T20855_C001 CS_OFFL_SIR_FDM_2_20161128T215352_20161128T20855_C001 CS_OFFL_SIR_FDM_2_20161128T215352_20161128T20855_C001 CS_OFFL_SIR_FDM_2_20161128T215352_20161128T20855_C001 CS_OFFL_SIR_FDM_2_20161128T215352_20161128T20855_C001 CS_OFFL_SIR_FDM_2_20161128T2153552_20161128T20855_C001 CS_OFFL_SIR_FDM_2_20161128T2153552_20161	CS_OFFL_SIR_FDM_220161128T155906_20161128T160022_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20161128T182447_20161128T185211_C001 CS_OFFL_SIR_FDM_2_20161128T185214_20161128T185412_C001 CS_OFFL_SIR_FDM_2_20161128T191234_20161128T193958_C001 CS_OFFL_SIR_FDM_2_20161128T195901_20161128T203108_C001 CS_OFFL_SIR_FDM_2_20161128T203045_20161128T203108_C001 CS_OFFL_SIR_FDM_2_20161128T203045_20161128T203108_C001 CS_OFFL_SIR_FDM_2_20161128T203045_20161128T203108_C001 CS_OFFL_SIR_FDM_2_20161128T213746_20161128T215213_C001 CS_OFFL_SIR_FDM_2_20161128T213552_20161128T20355_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Bac	CS_OFFL_SIR_FDM_220161128T173647_20161128T175038_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20161128T185214_20161128T193958_C001 CS_OFFL_SIR_FDM_2_20161128T191234_20161128T193958_C001 CS_OFFL_SIR_FDM_2_20161128T195901_20161128T201544_C001 CS_OFFL_SIR_FDM_2_20161128T203045_20161128T203108_C001 CS_OFFL_SIR_FDM_2_20161128T203045_20161128T203108_C001 CS_OFFL_SIR_FDM_2_20161128T203045_20161128T203108_C001 CS_OFFL_SIR_FDM_2_20161128T203045_20161128T203108_C001 CS_OFFL_SIR_FDM_2_20161128T203045_20161128T203108_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CS_OFFL_SIR_FDM_2_20161128T203045_20161128T203108_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CS_OFFL_SIR_FDM_2_20161128T213746_20161128T215213_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag 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 r	CS_OFFL_SIR_FDM_220161128T182447_20161128T185211_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20161128T191234_20161128T201544_C001 CS_OFFL_SIR_FDM_2_20161128T203045_20161128T203108_C001 CS_OFFL_SIR_FDM_2_20161128T203045_20161128T203108_C001 CS_OFFL_SIR_FDM_2_20161128T203045_20161128T203108_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag CFI Backscatter Status Flag Indicating the	CS_OFFL_SIR_FDM_2_20161128T185214_20161128T185412_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20161128T203045_20161128T203108_C001 CS_OFFL_SIR_FDM_2_20161128T203045_20161128T203108_C001 CS_OFFL_SIR_FDM_2_20161128T213746_20161128T215213_C001 CS_OFFL_SIR_FDM_2_20161128T213746_20161128T215213_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 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_220161128T191234_20161128T193958_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20161128T203045_20161128T203108_C001 CS_OFFL_SIR_FDM_2_20161128T213746_20161128T215213_C001 CS_OFFL_SIR_FDM_2_20161128T213746_20161128T215213_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 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_220161128T195901_20161128T201544_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20161128T213746_20161128T215213_C001 CS_OFFL_SIR_FDM_2_20161128T215213_C001 CS_OFFL_SIR_FDM_2_20161128T215352_20161128T220855_C001 CS_OFFL_SIR_FDM_2_20161128T215352_20161128T220855_C001 CS_OFFL_SIR_FDM_2_20161128T215352_20161128T220855_C001 CS_OFFL_SIR_FDM_2_20161128T215352_20161128T220855_C001	CS_OFFL_SIR_FDM_220161128T203045_20161128T203108_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20161128T215352_20161128T220855_C001	CS_OFFL_SIR_FDM_220161128T213746_20161128T215213_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
ignorea for these records.	CS_OFFL_SIR_FDM_220161128T215352_20161128T220855_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20161128T222740_20161128T223815_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_20161128T222740_20161128T223815_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.

46

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220161128T000841_20161128T003324_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_220161128T010615_20161128T011558_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_220161128T014808_20161128T021332_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_220161128T022304_20161128T022506_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_220161128T023926_20161128T025513_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_220161128T040254_20161128T040355_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_220161128T055514_20161128T062429_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_220161128T062439_20161128T062911_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_220161128T064627_20161128T071932_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_220161128T073420_20161128T074702_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_220161128T075131_20161128T075401_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_220161128T075404_20161128T080831_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_220161128T082723_20161128T083945_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_220161128T084129_20161128T085840_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_220161128T092113_20161128T093049_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_220161128T093252_20161128T094738_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__20161128T102113_20161128T102543_C001 Ocean Retracking Quality Flag Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2__20161128T114141_20161128T120420_C001 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2__20161128T120423_20161128T120754_C001 Ocean Retracking Quality Flag CS OFFL SIR FDM 2 20161128T124049 20161128T130524 C001 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2__20161128T132118_20161128T133153_C001 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2__20161128T133726_20161128T134720_C001 Ocean Retracking Quality Flag CS OFFL SIR FDM 2 20161128T135058 20161128T135156 C001 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2__20161128T141850_20161128T142526_C001 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2__20161128T142529_20161128T144430_C001 Ocean Retracking Quality Flag CS OFFL SIR FDM 2 20161128T150151 20161128T153418 C001 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2__20161128T154647_20161128T154938_C001 Ocean Retracking Quality Flag CS OFFL SIR FDM 2 20161128T155906 20161128T160022 C001 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2__20161128T164018_20161128T170125_C001 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2__20161128T170411_20161128T171456_C001 Ocean Retracking Quality Flag CS OFFL SIR FDM 2 20161128T173647 20161128T175038 C001 Ocean Retracking Quality Flag CS OFFL SIR FDM 2 20161128T175209 20161128T180215 C001 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2__20161128T181921_20161128T182439_C001 Ocean Retracking Quality Flag CS OFFL SIR FDM 2 20161128T182447 20161128T185211 C001 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2__20161128T185214_20161128T185412_C001 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2__20161128T191234_20161128T193958_C001 Ocean Retracking Quality Flag CS OFFL SIR FDM 2 20161128T195901 20161128T201544 C001 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2__20161128T202025_20161128T202759_C001 Ocean Retracking Quality Flag CS OFFL SIR FDM 2 20161128T203045 20161128T203108 C001 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2__20161128T204900_20161128T210429_C001 Ocean Retracking Quality Flag CS OFFL SIR FDM 2 20161128T213746 20161128T215213 C001 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2__20161128T215352_20161128T220855_C001 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2__20161128T222740_20161128T223815_C001 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2__20161128T223919_20161128T224157_C001 Ocean Retracking Quality Flag Ocean Retracking Quality Flag CS OFFL SIR FDM 2 20161128T231745 20161128T234121 C001

The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.

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	0	173	173	0	0
SIR FDM 2	0	170	170	0	0

7.1 QCC Errors

Number of QCC reports with errors:

0

7.2 QCC Warnings

Number of QCC reports with warnings

0

7.3 Missing QCC Reports

Number of products with missing QCC reports:

0