



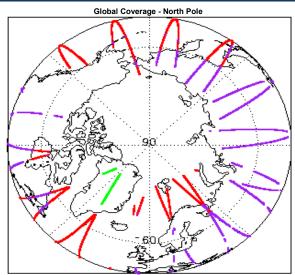
# 1. Overview

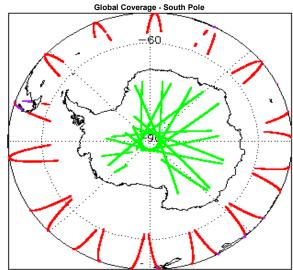
Report Production Date:	29-Aug-2017	
Processor Used:	CryoSat Ice Processor	
Data Used:	L1 and L2 Fast Delivery Marine (FDM)	

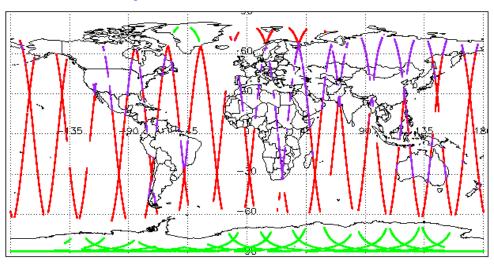
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check	Nominal
Auxiliary Data File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

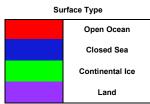
Mission / Instru	ment News
24-Aug-2017	None
25-Aug-2017	None
26-Aug-2017	Nothing planned

# 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 & 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.

10

Number of products with errors:

Product	Test Failed
CS_OPER_SIR1SAR_020170825T012437_20170825T013013_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020170825T015113_20170825T015843_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020170825T232309_20170825T232834_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020170825T002057_20170825T002328_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020170825T064825_20170825T064954_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020170825T123904_20170825T124051_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020170825T200354_20170825T200610_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020170825T042550_20170825T042904_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020170825T115421_20170825T120604_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020170825T114403_20170825T114453_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: 0

#### 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_20170825T145840_20170825T145911_C001	No Star Tracker file used in the processing of this product

### 5.4 L1B FDM Calibration Usage Check

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

Number of products with errors:

## 5.5 L1B FDM Auxilary Data File Usage Check

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

Number of products with errors: 0

#### 5.6 L1B FDM Auxiliary Correction Error Check

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

Number of products with errors:

## 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_20170825T002328_20170825T002858_C001	IECDO ERROR I RK ECDO ERROR	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_FDM_1B_20170825T101957_20170825T105510_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_20170825T145840_20170825T145911_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20170825T212856_20170825T213605_C001		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.

Number of products with errors:

# 6.3 L2 FDM Auxiliary Data File Usage Check

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

0

#### 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 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS OFFL SIR FDM 2 20170824T235100 20170825T000052 C001 Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS\_OFFL\_SIR\_FDM\_2\_\_20170825T003429\_20170825T005803\_C001 Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS OFFL SIR FDM 2 20170825T011418 20170825T012437 C001 Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS\_OFFL\_SIR\_FDM\_2\_\_20170825T015926\_20170825T020643\_C001 Wind Speed Correction for one or more records There is an error with the Sea State Bias Correction for one or more CS\_OFFL\_SIR\_FDM\_2\_\_20170825T021238\_20170825T021414\_C001 Sea State Bias Correction records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS OFFL SIR FDM 2 20170825T023633 20170825T023653 C001 Correction for one or more records Wind Speed Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS\_OFFL\_SIR\_FDM\_2\_\_20170825T025413\_20170825T032940\_C001 Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS\_OFFL\_SIR\_FDM\_2\_\_20170825T032949\_20170825T033006\_C001 Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS\_OFFL\_SIR\_FDM\_2\_\_20170825T043253\_20170825T050821\_C001 Wind Speed Correction for one or more records There is an error with the Sea State Bias Correction for one or more CS\_OFFL\_SIR\_FDM\_2\_\_20170825T053043\_20170825T053510\_C001 Sea State Bias Correction records There is an error with the Altimetric Wind Speed and Sea State Bias Sea State Bias Correction, Altimetric CS\_OFFL\_SIR\_FDM\_2\_\_20170825T061240\_20170825T062635\_C001 Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS\_OFFL\_SIR\_FDM\_2\_\_20170825T063358\_20170825T064824\_C001 Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS\_OFFL\_SIR\_FDM\_2\_\_20170825T070050\_20170825T071825\_C001 Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS OFFL SIR FDM 2 20170825T072010 20170825T073423 C001 Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS\_OFFL\_SIR\_FDM\_2\_\_20170825T075136\_20170825T080623\_C001 Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS OFFL SIR FDM 2 20170825T080824 20170825T081747 C001 Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS\_OFFL\_SIR\_FDM\_2\_\_20170825T084000\_20170825T085710\_C001 Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS\_OFFL\_SIR\_FDM\_2\_\_20170825T090249\_20170825T091050\_C001 Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS OFFL SIR FDM 2 20170825T101957 20170825T105510 C001 Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS\_OFFL\_SIR\_FDM\_2\_\_20170825T120645\_20170825T121750\_C001 Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS OFFL SIR FDM 2 20170825T125013 20170825T132034 C001 Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS\_OFFL\_SIR\_FDM\_2\_\_20170825T132108\_20170825T132804\_C001 Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS\_OFFL\_SIR\_FDM\_2\_\_20170825T134016\_20170825T141148\_C001 Wind Speed Correction for one or more records There is an error with the Sea State Bias Correction for one or more CS OFFL SIR FDM 2 20170825T151906 20170825T153015 C001 Sea State Bias Correction records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS\_OFFL\_SIR\_FDM\_2\_\_20170825T164358\_20170825T164443\_C001 Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS\_OFFL\_SIR\_FDM\_2\_\_20170825T165541\_20170825T173042\_C001 Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS\_OFFL\_SIR\_FDM\_2\_\_20170825T175005\_20170825T182152\_C001 Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS\_OFFL\_SIR\_FDM\_2\_\_20170825T183356\_20170825T184840\_C001 Wind Speed Correction for one or more records There is an error with the Sea State Bias Correction for one or more CS OFFL SIR FDM 2 20170825T185321 20170825T185439 C001 Sea State Bias Correction records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS\_OFFL\_SIR\_FDM\_2\_\_20170825T185441\_20170825T191015\_C001 Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS\_OFFL\_SIR\_FDM\_2\_\_20170825T192827\_20170825T194141\_C001 Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS\_OFFL\_SIR\_FDM\_2\_\_20170825T194355\_20170825T200111\_C001 Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS\_OFFL\_SIR\_FDM\_2\_\_20170825T202317\_20170825T203340\_C001 Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS OFFL SIR FDM 2 20170825T203520 20170825T204907 C001 Correction for one or more records Wind Speed There is an error with the Sea State Bias Correction for one or more CS\_OFFL\_SIR\_FDM\_2\_\_20170825T212338\_20170825T212733\_C001 Sea State Bias Correction records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS\_OFFL\_SIR\_FDM\_2\_\_20170825T212856\_20170825T213605\_C001 Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS OFFL SIR FDM 2 20170825T213728 20170825T213934 C001 Wind Speed Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS\_OFFL\_SIR\_FDM\_2\_\_20170825T220742\_20170825T222731\_C001 Correction for one or more records Wind Speed Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias

## 6.5 L2 FDM Measurement Confidence Data Check

CS OFFL SIR FDM 2 20170825T234321 20170826T000702 C001

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_220170825T002328_20170825T002858_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220170825T101957_20170825T105510_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220170825T145840_20170825T145911_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220170825T212856_20170825T213605_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo

Correction for one or more records

## 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.

Wind Speed

Product	Test Failed	Description
CS_OFFL_SIR_FDM_2_20170824T235100_20170825T000052_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_20170825T003429_20170825T005803_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_20170825T015926_20170825T020643_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_20170825T025413_20170825T032940_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_20170825T043253_20170825T050821_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_20170825T061240_20170825T062635_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_220170825T063358_20170825T064824_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_220170825T072010_20170825T073423_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_220170825T075136_20170825T080623_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_220170825T080824_20170825T081747_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_220170825T084000_20170825T085710_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_20170825T090249_20170825T091050_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_20170825T101957_20170825T105510_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_20170825T125013_20170825T132034_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_220170825T132108_20170825T132804_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_220170825T134016_20170825T141148_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_20170825T165541_20170825T173042_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_220170825T183356_20170825T184840_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_20170825T185441_20170825T191015_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_220170825T192827_20170825T194141_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_220170825T194355_20170825T200111_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_220170825T202317_20170825T203340_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_220170825T203520_20170825T204907_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_220170825T212856_20170825T213605_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_220170825T213728_20170825T213934_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_220170825T220742_20170825T222731_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_220170825T234321_20170826T000702_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:

27

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220170824T235100_20170825T000052_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_220170825T003429_20170825T005803_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_220170825T015926_20170825T020643_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_220170825T025413_20170825T032940_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_220170825T043253_20170825T050821_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_201708251072012_20170825109424_C001  S_OFFL_SIR_FDM_2_201708251072012_20170825109424_C001  S_OFFL_SIR_FDM_2_201708251072012_20170825109510_C001  S_OFFL_SIR_FDM_2_2017082510952_20170825109501_C001  S_OFFL_SIR_FDM_2_2017082510952_20170825113804_C001  S_OFFL_SIR_FDM_2_2017082510952_20170825113804_C001  S_OFFL_SIR_FDM_2_20170825113805_20170825113804_C001  S_OFFL_SIR_FDM_2_20170825113806_C00170825113804_C001  S_OFFL_SIR_FDM_2_20170825113806_C00170825113804_C001  S_OFFL_SIR_FDM_2_20170825113806_C001  S_OFFL_SIR_FDM_2_20170825113838_20170825113804_C001  S_OFFL_SIR_FDM_2_20170825113838_20170825113806_C001  S_OFFL_SIR_FDM_2_20170825113838_20170825113836_C001  S_OFFL_SIR_FDM_2_20170825113838_20170825113836_C001  S_OFFL_SIR_FDM_2_20170825113838_20170825113836_C001  S_OFFL_SIR_FDM_2_20170825113838_20170825113836_C001  S_OFFL_SIR_FDM_2_20170825123336_C001  S_OFFL_SIR_FDM_2_20170825123336_C001  S_OFFL_SIR_FDM_2_20170825123336_C001  S_OFFL_SIR_FDM_2_20170825123336_C001  S_OFFL_SIR_FDM_2_20170825123336_C001  S_OFFL_SIR_FDM_2_20170825123336_C001  S_OFFL_SIR_FDM_2_20170825123336_C001  S_OFFL_SIR_FDM_2_20170825123336_C001  S_OFFL_SIR_FDM_2_20170825123336_C001  S_OFFL_SIR_FDM_2_2017082512336_C001  S_OFFL_SIR_FDM_2_2017082512336_C001  S_OFFL_SIR_FDM_2_2017082512336_C001  S_OFFL_SIR_FDM_2_2017082512336_C001  S_OFFL_SIR_FDM_2_2017082512336_C001  S_OFFL_SIR_FDM_2_2017082512336_C001  S_OFFL_SIR_FDM_2_2017082512336_C001  S	CS_OFFL_SIR_FDM_220170825T061240_20170825T062635_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.
SO FFE_SIR_FDM_2_20170825T072010_20170825T09523_C001  CS_OFFE_SIR_FDM_2_20170825T080824_20170825T085070_C001  CS_OFFE_SIR_FDM_2_20170825T080092_20170825T095070_C001  CS_OFFE_SIR_FDM_2_20170825T080092_20170825T095070_C001  CS_OFFE_SIR_FDM_2_20170825T080094_20170825T095070_C001  CS_OFFE_SIR_FDM_2_20170825T080094_20170825T095070_C001  CS_OFFE_SIR_FDM_2_20170825T080094_20170825T095070_C001  CS_OFFE_SIR_FDM_2_20170825T09009_20170825T095070_C001  CS_OFFE_SIR_FDM_2_20170825T09009_20170825T09500_C001  CS_OFFE_SIR_FDM_2_20170825T09009_20170825T09500_C001  CS_OFFE_SIR_FDM_2_20170825T09009_20170825T09500_C001  CS_OFFE_SIR_FDM_2_20170825T09009_20170825T09500_C001  CS_OFFE_SIR_FDM_2_20170825T09009_20170825T09500_C001  CS_OFFE_SIR_FDM_2_20170825T09009_20170825T09500_C001  CS_OFFE_SIR_FDM_2_20170825T19009_20170825T192004_C001  CS_OFFE_SIR_FDM_2_20170825T19009_20170825T192004_C001  CS_OFFE_SIR_FDM_2_20170825T19009_20170825T192004_C001  CS_OFFE_SIR_FDM_2_20170825T19009_20170825T192004_C001  CS_OFFE_SIR_FDM_2_20170825T19009_20170825T192004_C001  CS_OFFE_SIR_FDM_2_20170825T19009_20170825T192004_C001  CS_OFFE_SIR_FDM_2_20170825T19009_20170825T192004_C001  CS_OFFE_SIR_FDM_2_20170825T19009_20170825T192004_C001  CS_OFFE_SIR_FDM_2_20170825T19009_20170825T19009_2010000000000000000000000000000000	CS_OFFL_SIR_FDM_220170825T063358_20170825T064824_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
SOFFL SIR FDM 2_20170825T080824_20170825T081747_C001  CS_OFFL_SIR_FDM_2_20170825T080824_20170825T081747_C001  CS_OFFL_SIR_FDM_2_20170825T084000_20170825T085710_C001  CS_OFFL_SIR_FDM_2_20170825T090249_20170825T091050_C001  CS_OFFL_SIR_FDM_2_20170825T090249_20170825T091050_C001  CS_OFFL_SIR_FDM_2_20170825T09150_C001  CS_OFFL_SIR_FDM_2_20170825T09150_C001  CS_OFFL_SIR_FDM_2_20170825T10950_C001  CS_OFFL_SIR_FDM_2_20170825T10950_C001  CS_OFFL_SIR_FDM_2_20170825T10950_C001  CS_OFFL_SIR_FDM_2_20170825T10950_C001  CS_OFFL_SIR_FDM_2_20170825T10950_C001  CS_OFFL_SIR_FDM_2_20170825T12004_C001  CS_OFFL_SIR_FDM_2_20170825T12004_C001  CS_OFFL_SIR_FDM_2_20170825T1200_C001  CS_OFFL_SIR_FDM_2_20170825T13200_C001  CS_OFFL_SIR_FDM_2_20170825T19055T104141_C001  CS_OFFL_SIR_FDM_2_20170825T19055D_C001  CS_OFFL_SIR_FDM_2_20170825	CS_OFFL_SIR_FDM_2_20170825T072010_20170825T073423_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20170825T080824_20170825T091050_CO01  CS_OFFL_SIR_FDM_2_20170825T0802600_20170825T091050_CO01  CS_OFFL_SIR_FDM_2_20170825T0802600_20170825T091050_CO01  CS_OFFL_SIR_FDM_2_20170825T090269_20170825T091050_CO01  CS_OFFL_SIR_FDM_2_20170825T091057_20170825T105010_CO01  CS_OFFL_SIR_FDM_2_20170825T10957_20170825T105010_CO01  CS_OFFL_SIR_FDM_2_20170825T1201957_20170825T132004_CO01  CS_OFFL_SIR_FDM_2_20170825T132108_20170825T132004_CO01  CS_OFFL_SIR_FDM_2_20170825T132108_20170825T132004_CO01  CS_OFFL_SIR_FDM_2_20170825T132108_20170825T132004_CO01  CS_OFFL_SIR_FDM_2_20170825T183566_20170825T191015_CO01  CS_OFFL_SIR_FDM_2_20170825T183566_20170825T191015_CO01  CS_OFFL_SIR_FDM_2_20170825T183566_20170825T191015_CO01  CS_OFFL_SIR_FDM_2_20170825T183566_20170825T191015_CO01  CS_OFFL_SIR_FDM_2_20170825T183566_20170825T191015_CO01  CS_OFFL_SIR_FDM_2_20170825T183566_20170825T191015_CO01  CS_OFFL_SIR_FDM_2_20170825T183566_20170825T191015_CO01  CS_OFFL_SIR_FDM_2_20170825T192827_20170825T191015_CO01  CS_OFFL_SIR_FDM_2_20170825T192827_20170825T191015_CO01  CS_OFFL_SIR_FDM_2_20170825T192827_20170825T191015_CO01  CS_OFFL_SIR_FDM_2_20170825T192827_20170825T191015_CO01  CS_OFFL_SIR_FDM_2_20170825T192827_20170825T191015_CO01  CS_OFFL_SIR_FDM_2_20170825T192827_20170825T191015_CO01  CS_OFFL_SIR_FDM_2_20170825T192827_20170825T203940_CO01  CS_OFFL_SIR_FDM_2_20170825T192827_20170825T203940_CO01  CS_OFFL_SIR_FDM_2_20170825T192827_20170825T203940_CO01  CS_OFFL_SIR_FDM_2_20170825T20320_20170825T213005_CO01  CS_OFFL_SIR_FDM_2_20170825T20320_20170825T213005_CO01  CS_OFFL_SIR_FDM_2_20170825T202317_20170825T213005_CO01  CS_OFFL_SIR_FDM_2_20170825T20320_20170825T213005_CO01  CS_OFFL_SIR_FDM_2_20170825T20320_20170825T213005_CO01  CS_OFFL_SIR_FDM_2_20170825T20320_20170825T213005_CO01  CS_OFFL_SIR_FDM_2_20170825T20320_20170825T213005_CO01  CS_OFFL_SIR_FDM_2_20170825T20320_20170825T213005_CO01  CS_OFFL_SIR_FDM_2_20170825T20320_20170825T213005_CO01  CS_OFFL_SIR_FDM_2_20170825T20320_20170825T203040_CO01  CS_OFFL_SIR_FDM_2_20170825T20320_2017	CS_OFFL_SIR_FDM_220170825T075136_20170825T080623_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
SQ.OFFL_SIR_FDM_2_20170825T09400_20170825T09500_C001  CS_OFFL_SIR_FDM_2_20170825T101967_20170825T105510_C001  CS_OFFL_SIR_FDM_2_20170825T101967_20170825T105510_C001  CS_OFFL_SIR_FDM_2_20170825T101967_20170825T105510_C001  CS_OFFL_SIR_FDM_2_20170825T101967_20170825T105510_C001  CS_OFFL_SIR_FDM_2_20170825T101967_20170825T105510_C001  CS_OFFL_SIR_FDM_2_20170825T101967_20170825T105510_C001  CS_OFFL_SIR_FDM_2_20170825T101967_20170825T105510_C001  CS_OFFL_SIR_FDM_2_20170825T13204_C001  CS_OFFL_SIR_FDM_2_20170825T13204_C001  CS_OFFL_SIR_FDM_2_20170825T134016_20170825T14148_C001  CS_OFFL_SIR_FDM_2_20170825T134016_20170825T14148_C001  CS_OFFL_SIR_FDM_2_20170825T13504_C001  CS_OFFL_SIR_FDM_2_20170825T13505_C0170825T13605_C001  CS_OFFL_SIR_FDM_2_20170825T120350_C001  CS_OFFL_SIR_FDM_2_20170825T20330_C001  CS_OFFL_SIR_FDM_2_20170825T2033	CS_OFFL_SIR_FDM_220170825T080824_20170825T081747_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20170825T10952_20170825T10510_C001  CS_OFFL_SIR_FDM_2_20170825T10957_20170825T132034_C001  CS_OFFL_SIR_FDM_2_20170825T125013_20170825T132034_C001  CS_OFFL_SIR_FDM_2_20170825T13208_20170825T132034_C001  CS_OFFL_SIR_FDM_2_20170825T13208_20170825T132034_C001  CS_OFFL_SIR_FDM_2_20170825T13208_20170825T132034_C001  CS_OFFL_SIR_FDM_2_20170825T134016_20170825T132004_C001  CS_OFFL_SIR_FDM_2_20170825T134016_20170825T132004_C001  CS_OFFL_SIR_FDM_2_20170825T134016_20170825T1340016_20170825T1340016_20170825T1340016_20170825T1340016_20170825T1340016_20170825T1340	CS_OFFL_SIR_FDM_220170825T084000_20170825T085710_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
S_OFFL_SIR_FDM_2_20170825T195013_20170825T132034_C001  S_OFFL_SIR_FDM_2_20170825T132034_C001  S_OFFL_SIR_FDM_2_20170825T132108_20170825T132034_C001  S_OFFL_SIR_FDM_2_20170825T132108_20170825T132034_C001  S_OFFL_SIR_FDM_2_20170825T132108_20170825T132034_C001  S_OFFL_SIR_FDM_2_20170825T1320352_0170825T191015_C001  S_OFFL_SIR_FDM_2_20170825T194355_20170825T203340_C001  S_OFFL_SIR_FDM_2_20170825T194355_20170825T203340_C001  S_OFFL_SIR_FDM_2_20170825T12856_20170825T203340_C001  S_OFFL_SIR_FDM_2_20170825T12856_20170825T203340_C001  S_OFFL_SIR_FDM_2_20170825T12856_20170825T203340_C001  S_OFFL_SIR_FDM_2_20170825T12856_20170825T203340_C001  S_OFFL_SIR_FDM_2_20170825T12856_20170825T203340_C001  S_OFFL_SIR_FDM_2_20170825T203520_20170825T203340_C001  S_OFFL_SIR_FDM_2_20170825T203520_20170825T213034_C001  S_OFFL_SIR_FDM_2_20170825T203520_20170825T203340_C001  S_OFFL_SIR_FDM_2_20170825T203520_20170825T213034_C001  S_OFFL_SIR_FDM_2_20170825T203520_20170825T203340_C001  S_OFFL_SIR_FDM_2_20170825T203520_20170825T213034_C001  S_OFFL_SIR_FDM_2_20170825T203520	CS_OFFL_SIR_FDM_220170825T090249_20170825T091050_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
SS_OFFL_SIR_FDM_2_20170825T125013_20170825T132004_C001  CS_OFFL_SIR_FDM_2_20170825T132108_20170825T132804_C001  CS_OFFL_SIR_FDM_2_20170825T134016_20170825T141418_C001  CS_OFFL_SIR_FDM_2_20170825T134016_20170825T141418_C001  CS_OFFL_SIR_FDM_2_20170825T134016_20170825T141418_C001  CS_OFFL_SIR_FDM_2_20170825T183356_20170825T148440_C001  CS_OFFL_SIR_FDM_2_20170825T183356_20170825T1834840_C001  CS_OFFL_SIR_FDM_2_20170825T192827_20170825T191015_C001  CS_OFFL_SIR_FDM_2_20170825T192827_20170825T194141_C001  CS_OFFL_SIR_FDM_2_20170825T192827_20170825T194141_C001  CS_OFFL_SIR_FDM_2_20170825T192827_20170825T1920111_C001  CS_OFFL_SIR_FDM_2_20170825T192827_20170825T203340_C001  CS_OFFL_SIR_FDM_2_20170825T203217_20170825T203340_C001  CS_OFFL_SIR_FDM_2_20170825T203217_20170825T203340_C001  CS_OFFL_SIR_FDM_2_20170825T202317_20170825T213934_C001  CS_OFFL_SIR_FDM_2_20170825T212856_20170825T213934_C001  CS_OFFL_SIR_FDM_2_20170825T212856_20170825T213934_C001  CS_OFFL_SIR_FDM_2_20170825T212856_20170825T213934_C001  CS_OFFL_SIR_FDM_2_20170825T212856_20170825T213934_C001  CS_OFFL_SIR_FDM_2_20170825T212856_20170825T22371_C001  CS_OFFL_SIR_FDM_2_20170825T202217_20170825T223340_C001  CS_OFFL_SIR_FDM_2_20170825T212856_20170825T233340_C001  CS_OFFL_SIR_FDM_2_20170825T202317_20170825T203340_C001  CS_OFFL_SIR_FDM_2_20170825T202317_20170825T203934_C001  CS_OFFL_SIR_FDM_2_20170825T212856_20170825T213934_C001  CS_OFFL_SIR_FDM_2_20170825T212856_20170825T213934_C001  CS_OFFL_SIR_FDM_2_20170825T212856_20170825T213934_C001  CS_OFFL_SIR_FDM_2_20170825T212856_20170825T223314_C001  CS_OFFL_SIR_FDM_2_20170825T212856_20170825T223334_C001  CS_OFFL_SIR_FDM_2_20170825T220742_20170825T223340_C001  CS_OFFL_SIR_FDM_2_20170825T212856_20170825T213934_C001  CS_OFFL_SIR_FDM_2_20170825T212856_20170825T213934_C001  CS_OFFL_SIR_FDM_2_20170825T212856_20170825T213934_C001  CS_OFFL_SIR_FDM_2_20170825T212856_20170825T213934_C001  CS_OFFL_SIR_FDM_2_20170825T212856_20170825T213934_C001  CS_OFFL_SIR_FDM_2_20170825T212856_20170825T213934_C001  CS_OFFL_SIR_FDM_2_20170825T21	CS_OFFL_SIR_FDM_220170825T101957_20170825T105510_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20170825T132804_C001  CS_OFFL_SIR_FDM_2_20170825T141148_C001  CS_OFFL_SIR_FDM_2_20170825T165541_20170825T141148_C001  CS_OFFL_SIR_FDM_2_20170825T165541_20170825T173042_C001  CS_OFFL_SIR_FDM_2_20170825T183356_20170825T184840_C001  CS_OFFL_SIR_FDM_2_20170825T183356_20170825T184840_C001  CS_OFFL_SIR_FDM_2_20170825T182827_20170825T191015_C001  CS_OFFL_SIR_FDM_2_20170825T192827_20170825T194141_C001  CS_OFFL_SIR_FDM_2_20170825T192827_20170825T194141_C001  CS_OFFL_SIR_FDM_2_20170825T192827_20170825T194141_C001  CS_OFFL_SIR_FDM_2_20170825T192827_20170825T200111_C001  CS_OFFL_SIR_FDM_2_20170825T192827_20170825T200111_C001  CS_OFFL_SIR_FDM_2_20170825T202317_20170825T203340_C001  CS_OFFL_SIR_FDM_2_20170825T202317_20170825T203340_C001  CS_OFFL_SIR_FDM_2_20170825T202320_20170825T204907_C001  CS_OFFL_SIR_FDM_2_20170825T202320_20170825T203340_C001  CS_OFFL_SIR_FDM_2_20170825T203250_20170825T213605_C001  CS_OFFL_SIR_FDM_2_20170825T212856_20170825T213605_C001  CS_OFFL_SIR_FDM_2_20170825T212856_20170825T213934_C001  CS_OFFL_SIR_FDM_2_20170825T212856_20170825T213934_C001  CS_OFFL_SIR_FDM_2_20170825T212856_20170825T213934_C001  CS_OFFL_SIR_FDM_2_20170825T2203212_20170825T203304_C001  CS_OFFL_SIR_FDM_2_20170825T212856_20170825T213934_C001  CS_OFFL_SIR_FDM_2_20170825T212856_20170825T213934_C001  CS_OFFL_SIR_FDM_2_20170825T212856_20170825T213934_C001  CS_OFFL_SIR_FDM_2_20170825T212856_20170825T213934_C001  CS_OFFL_SIR_FDM_2_20170825T212856_20170825T213934_C001  CS_OFFL_SIR_FDM_2_20170825T213834_C001  CS_OFFL_SIR_FDM_2_201	CS_OFFL_SIR_FDM_220170825T125013_20170825T132034_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20170825T145148_C001  CS_OFFL_SIR_FDM_2_20170825T165541_20170825T173042_C001  CS_OFFL_SIR_FDM_2_20170825T165541_20170825T173042_C001  CS_OFFL_SIR_FDM_2_20170825T183366_20170825T184840_C001  CS_OFFL_SIR_FDM_2_20170825T183366_20170825T191015_C001  CS_OFFL_SIR_FDM_2_20170825T185441_20170825T191015_C001  CS_OFFL_SIR_FDM_2_20170825T192827_20170825T191015_C001  CS_OFFL_SIR_FDM_2_20170825T192827_20170825T194141_C001  CS_OFFL_SIR_FDM_2_20170825T192827_20170825T194141_C001  CS_OFFL_SIR_FDM_2_20170825T192827_20170825T200111_C001  CS_OFFL_SIR_FDM_2_20170825T193355_20170825T200111_C001  CS_OFFL_SIR_FDM_2_20170825T203340_C001  CS_OFFL_SIR_FDM_2_20170825T203520_20170825T203340_C001  CS_OFFL_SIR_FDM_2_20170825T203520_20170825T203907_C001  CS_OFFL_SIR_FDM_2_20170825T203520_20170825T203907_C001  CS_OFFL_SIR_FDM_2_20170825T22856_20170825T213805_C001  CS_OFFL_SIR_FDM_2_20170825T2273128_20170825T22731_C001  CS_OFFL_SIR_FDM_2_20170825T220742_20170825T222731_C001  CFI Backscatter Status Flag SWH Squared Averaging Status Flag SWH Squared Averagi	CS_OFFL_SIR_FDM_220170825T132108_20170825T132804_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20170825T18356_20170825T184840_C001  CS_OFFL_SIR_FDM_2_20170825T18356_20170825T184840_C001  CS_OFFL_SIR_FDM_2_20170825T18356_20170825T191015_C001  CS_OFFL_SIR_FDM_2_20170825T185441_20170825T191015_C001  CS_OFFL_SIR_FDM_2_20170825T192827_20170825T194141_C001  CS_OFFL_SIR_FDM_2_20170825T192827_20170825T194141_C001  CS_OFFL_SIR_FDM_2_20170825T194355_20170825T200111_C001  CS_OFFL_SIR_FDM_2_20170825T194355_20170825T200111_C001  CS_OFFL_SIR_FDM_2_20170825T202317_20170825T200111_C001  CS_OFFL_SIR_FDM_2_20170825T202317_20170825T2001011_C001  CS_OFFL_SIR_FDM_2_20170825T202317_20170825T20010101  CS_OFFL_SIR_FDM_2_20170825T202317_20170825T20010101  CS_OFFL_SIR_FDM_2_20170825T202317_20170825T20010101  CS_OFFL_SIR_FDM_2_20170825T202317_20170825T204907_C001  CS_OFFL_SIR_FDM_2_20170825T203520_20170825T204907_C001  CS_OFFL_SIR_FDM_2_20170825T212856_20170825T213934_C001  CS_OFFL_SIR_FDM_2_20170825T213788_20170825T213934_C001  CS_OFFL_SIR_FDM_2_20170825T213788_20170825T22371_C001  CS_OFFL_SIR_FDM_2_20170825T20742_20170825T222731_C001  CS_OFFL_SIR_FDM_2_20170825T20742_20170825T222731_C001  CS_OFFL_SIR_FDM_2_20170825T213788_20170825T222731_C001  CS_OFFL_SIR_FDM_2_20170825T234321_20170825T200010  CS_OFFL_SIR_FDM_2_20170825T213788_20170825T222731_C001  CS_OFFL_SIR_FDM_2_20170825T213788_20170825T222731_C001  CS_OFFL_SIR_FDM_2_20170825T234321_20170825T222731_C001  CS_OFFL_SIR_FDM_2_20170825T234321_20170825T200010  CS_OFFL_SIR_FDM_2_20170825T234321_20170825T222731_C001  CS_OFFL_SIR_FDM_2_20170825T234321_20170825T22731_C001  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CS_OFFL_SIR_FDM_2_20170825T234321_20170825T222731_C001  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CS_OFFL_SIR_FDM_2_20170825T234321_20170825T22731_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 Back	CS_OFFL_SIR_FDM_2_20170825T134016_20170825T141148_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20170825T183356_20170825T19415_C001  CS_OFFL_SIR_FDM_2_20170825T185441_20170825T191015_C001  CS_OFFL_SIR_FDM_2_20170825T195441_20170825T191015_C001  CS_OFFL_SIR_FDM_2_20170825T192827_20170825T194141_C001  CS_OFFL_SIR_FDM_2_20170825T192827_20170825T194141_C001  CS_OFFL_SIR_FDM_2_20170825T194355_20170825T200111_C001  CS_OFFL_SIR_FDM_2_20170825T194355_20170825T200111_C001  CS_OFFL_SIR_FDM_2_20170825T202317_20170825T200111_C001  CS_OFFL_SIR_FDM_2_20170825T202317_20170825T2001011_C001  CS_OFFL_SIR_FDM_2_20170825T202317_20170825T2001011_C001  CS_OFFL_SIR_FDM_2_20170825T202317_20170825T2001011_C001  CS_OFFL_SIR_FDM_2_20170825T202317_20170825T2001011_C001  CS_OFFL_SIR_FDM_2_20170825T202317_20170825T2001011_C001  CS_OFFL_SIR_FDM_2_20170825T202317_20170825T2001011_C001  CS_OFFL_SIR_FDM_2_20170825T200310_C001  CS_OFFL_SIR_FDM_2_20170825T200310_C001  CS_OFFL_SIR_FDM_2_20170825T2000100000000000000000000000000000000	CS_OFFL_SIR_FDM_2_20170825T165541_20170825T173042_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20170825T192827_20170825T194141_C001  CS_OFFL_SIR_FDM_2_20170825T192827_20170825T194141_C001  CS_OFFL_SIR_FDM_2_20170825T194355_20170825T200111_C001  CS_OFFL_SIR_FDM_2_20170825T194355_20170825T200111_C001  CS_OFFL_SIR_FDM_2_20170825T202317_20170825T203340_C001  CS_OFFL_SIR_FDM_2_20170825T202317_20170825T203340_C001  CS_OFFL_SIR_FDM_2_20170825T203520_20170825T203340_C001  CS_OFFL_SIR_FDM_2_20170825T203520_20170825T203340_C001  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.  The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.  The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields	CS_OFFL_SIR_FDM_220170825T183356_20170825T184840_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20170825T194827_20170825T194141_C001  CS_OFFL_SIR_FDM_2_20170825T194355_20170825T203111_C001  CS_OFFL_SIR_FDM_2_20170825T203317_20170825T203340_C001  CS_OFFL_SIR_FDM_2_20170825T203520_20170825T203340_C001  CS_OFFL_SIR_FDM_2_20170825T203520_20170825T203340_C001  CS_OFFL_SIR_FDM_2_20170825T203520_20170825T203340_C001  CS_OFFL_SIR_FDM_2_20170825T203520_20170825T203340_C001  CS_OFFL_SIR_FDM_2_20170825T203520_20170825T203340_C001  CS_OFFL_SIR_FDM_2_20170825T203520_20170825T203340_C001  CS_OFFL_SIR_FDM_2_20170825T203520_20170825T204907_C001  CS_OFFL_SIR_FDM_2_20170825T213505_C001  CS_OFFL_SIR_FDM_2_20170825T213805_C001  CS_OFFL_SIR_FDM_2_20170825T213728_20170825T213934_C001  CS_OFFL_SIR_FDM_2_20170825T213728_20170825T223934_C001  CS_OFFL_SIR_FDM_2_20170825T220742_20170825T222731_C001  CS_OFFL_SIR_FDM_2_20170825T220742_20170825T222731_C001  CS_OFFL_SIR_FDM_2_20170825T233342_20170825T222731_C001  CS_OFFL_SIR_FDM_2_20170825T234321_20170825T233342_C001  CS_OFFL_SIR_FDM_2_20170825T234321_20170825T222731_C001  CS_OFFL_SIR_FDM_2_20170825T234321_20170825T222731_C001  CS_OFFL_SIR_FDM_2_20170825T234321_20170825T222731_C001  CS_OFFL_SIR_FDM_2_20170825T234321_20170825T223731_C001  CS_OFFL_SIR_FDM_2_20170825T234321_20170825T223731_C001  CS_OFFL_SIR_FDM_2_20170825T234321_20170825T234321_20170825T223731_C001  CS_OFFL_SIR_FDM_2_20170825T234321_20170825T234321_20170825T223731_C001  CS_OFFL_SIR_FDM_2_20170825T234321_2017	CS_OFFL_SIR_FDM_220170825T185441_20170825T191015_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20170825T20317_20170825T203340_C001  CS_OFFL_SIR_FDM_2_20170825T20337_20170825T203340_C001  CS_OFFL_SIR_FDM_2_20170825T203520_20170825T203340_C001  CS_OFFL_SIR_FDM_2_20170825T203520_20170825T204907_C001  CS_OFFL_SIR_FDM_2_20170825T212856_20170825T213605_C001  CS_OFFL_SIR_FDM_2_20170825T213728_20170825T213934_C001  CS_OFFL_SIR_FDM_2_20170825T213728_20170825T213934_C001  CS_OFFL_SIR_FDM_2_20170825T213728_20170825T213934_C001  CS_OFFL_SIR_FDM_2_20170825T213728_20170825T222731_C001  CS_OFFL_SIR_FDM_2_20170825T220742_20170825T222731_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  CS_OFFL_SIR_FDM_2_20170825T213728_20170825T213934_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  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_220170825T192827_20170825T194141_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20170825T203317_20170825T203340_C001  CS_OFFL_SIR_FDM_2_20170825T203520_20170825T204907_C001  CS_OFFL_SIR_FDM_2_20170825T212856_20170825T213605_C001  CS_OFFL_SIR_FDM_2_20170825T213728_20170825T213934_C001  CS_OFFL_SIR_FDM_2_20170825T213728_20170825T213934_C001  CS_OFFL_SIR_FDM_2_20170825T220742_20170825T222731_C001  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Avera	CS_OFFL_SIR_FDM_220170825T194355_20170825T200111_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20170825T203520_20170825T204907_C001  CS_OFFL_SIR_FDM_2_20170825T212856_20170825T213605_C001  CS_OFFL_SIR_FDM_2_20170825T213728_20170825T213934_C001  CS_OFFL_SIR_FDM_2_20170825T213728_20170825T213934_C001  CS_OFFL_SIR_FDM_2_20170825T220742_20170825T222731_C001  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.  The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.	CS_OFFL_SIR_FDM_220170825T202317_20170825T203340_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20170825T212856_20170825T213605_C001  CS_OFFL_SIR_FDM_2_20170825T213728_20170825T213934_C001  CS_OFFL_SIR_FDM_2_20170825T213728_20170825T22731_C001  CS_OFFL_SIR_FDM_2_20170825T220742_20170825T222731_C001  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, 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.  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 shoul	CS_OFFL_SIR_FDM_220170825T203520_20170825T204907_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20170825T213728_20170825T213934_C001  CS_OFFL_SIR_FDM_2_20170825T220742_20170825T222731_C001  CS_OFFL_SIR_FDM_2_20170825T220742_20170825T222731_C001  CFI Backscatter 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.  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_220170825T212856_20170825T213605_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20170825T222731_C001  CS_OFFL_SIR_FDM_2_20170825T222731_C001  CFI Backscatter Status Flag, SWH CS_OFFL_SIR_FDM_2_20170825T234321_20170826T000702_C001  CS_OFFL_SIR_FDM_2_20170825T234321_20170826T000702_C001  CS_OFFL_SIR_FDM_2_20170825T234321_20170826T000702_C001	CS_OFFL_SIR_FDM_220170825T213728_20170825T213934_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20170825T234321_20170826T000702_C001 UF1 Backscatter Status Flag, 5WH indicating the values stored in fields #41, #42, #43 and #44 should be	CS_OFFL_SIR_FDM_220170825T220742_20170825T222731_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
ignored for these records.	CS_OFFL_SIR_FDM_220170825T234321_20170826T000702_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	

# 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.

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Number of products with errors:

Test Failed	Description
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.
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.
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.
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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	Ocean Retracking Quality Flag

CS_OFFL_SIR_FDM_220170825T084000_20170825T085710_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_220170825T090249_20170825T091050_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_220170825T101957_20170825T105510_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_220170825T111135_20170825T113439_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_220170825T120645_20170825T121750_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_220170825T125013_20170825T132034_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_20170825T132108_20170825T132804_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_220170825T134016_20170825T141148_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_20170825T151906_20170825T153015_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_20170825T165541_20170825T173042_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_20170825T175005_20170825T182152_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_220170825T183356_20170825T184840_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_220170825T185321_20170825T185439_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_220170825T185441_20170825T191015_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_220170825T192827_20170825T194141_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_220170825T194355_20170825T200111_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_220170825T202317_20170825T203340_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_220170825T203520_20170825T204907_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_220170825T211241_20170825T211757_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_220170825T212338_20170825T212733_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_220170825T212856_20170825T213605_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_220170825T213728_20170825T213934_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_220170825T220742_20170825T222731_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_220170825T224402_20170825T231124_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_220170825T234321_20170826T000702_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
SIR1LRM_0_	143	143	143	0	0
SIR1SAR_0_	96	96	96	0	0
SIR1SIN_0_	102	102	102	0	0
SIR2SIN_0_	92	92	92	0	0
SIR_FDM_1B	143	143	143	0	0
SIR_FDM_2	142	142	142	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