



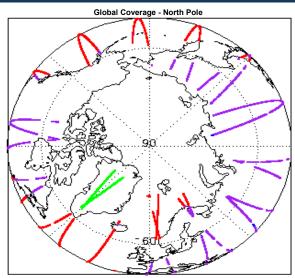
## 1. Overview

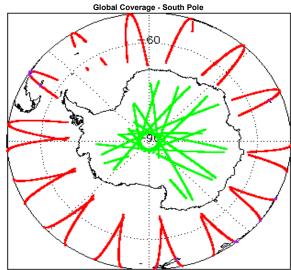
Report Production Date:	29-Mar-2016	
Processor Used:	CryoSat Ice Processor	
Data Used:	L1 and L2 Fast Delivery Marine (FDM)	

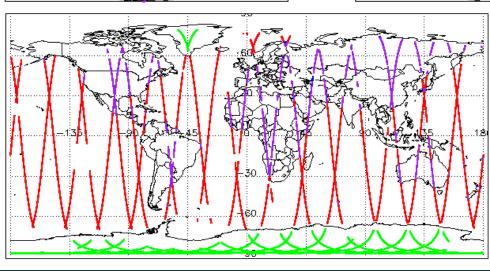
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check	Nominal
Auxiliary Data File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

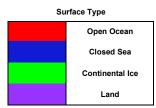
Mission /	nstrument News
26-Mar-2	016 None
27-Mar-2	None
28-Mar-2	016 Nothing planned

# 2. Global Coverage









## 3. Instrument Configuration

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

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

# 4. Level 0 Data Quality Check

### 4.1 L0 Product Format Check

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

#### 4.2 L0 Product Header Analysis

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

Number of products with errors:

Product	Test Failed
CS_OPER_SIR1LRM_020160327T224953_20160327T230436_0001.DBL	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020160327T145002_20160327T145131_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020160327T184816_20160327T185534_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020160327T010515_20160327T010914_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020160327T040417_20160327T040551_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020160327T010515_20160327T010914_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_20160327T135425_20160327T135728_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20160327T153349_20160327T153444_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20160327T171259_20160327T171359_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_20160327T123557_20160327T131104_C001	IECDO EFFOR LEK ECDO EFFOR	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_FDM_1B_20160327T135425_20160327T135728_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20160327T153349_20160327T153444_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20160327T171259_20160327T171359_C001	Attitude correction missing	The attitude has not been corrected

### 6. Level 2 FDM Data Quality Check

#### 6.1 L2 FDM Product Format Check

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

Number of products with errors:

### 6.2 L2 FDM Product Header Analysis

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

Number of products with errors:

### 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

Number of products with errors:

#### 6.4 L2 FDM Auxiliary Correction Error Check

CS OFFL SIR FDM 2 20160327T010914 20160327T013517 C001

CS\_OFFL\_SIR\_FDM\_2\_\_20160327T024624\_20160327T031451\_C001

CS OFFL SIR FDM 2 20160327T032707 20160327T040205 C001

CS\_OFFL\_SIR\_FDM\_2\_\_20160327T041508\_20160327T041612\_C001

CS\_OFFL\_SIR\_FDM\_2\_\_20160327T041623\_20160327T041707\_C001

CS OFFL SIR FDM 2 20160327T044543 20160327T045417 C001

CS\_OFFL\_SIR\_FDM\_2\_\_20160327T050637\_20160327T052932\_C001

CS\_OFFL\_SIR\_FDM\_2\_\_20160327T062010\_20160327T063322\_C001

CS\_OFFL\_SIR\_FDM\_2\_\_20160327T064544\_20160327T065215\_C001

CS\_OFFL\_SIR\_FDM\_2\_\_20160327T065225\_20160327T071832\_C001

CS OFFL SIR FDM 2 20160327T073542 20160327T073553 C001

CS\_OFFL\_SIR\_FDM\_2\_\_20160327T082602\_20160327T084242\_C001

CS\_OFFL\_SIR\_FDM\_2\_\_20160327T084244\_20160327T084351\_C001

CS OFFL SIR FDM 2 20160327T084652 20160327T085522 C001

CS\_OFFL\_SIR\_FDM\_2\_\_20160327T091656\_20160327T091936\_C001

CS OFFL SIR FDM 2 20160327T092028 20160327T093230 C001

CS\_OFFL\_SIR\_FDM\_2\_\_20160327T093849\_20160327T095030\_C001

CS\_OFFL\_SIR\_FDM\_2\_\_20160327T100514\_20160327T102019\_C001

CS OFFL SIR FDM 2 20160327T102158 20160327T103719 C001

CS\_OFFL\_SIR\_FDM\_2\_\_20160327T105847\_20160327T110557\_C001

CS OFFL SIR FDM 2 20160327T110719 20160327T111207 C001

CS\_OFFL\_SIR\_FDM\_2\_\_20160327T114455\_20160327T120848\_C001

CS\_OFFL\_SIR\_FDM\_2\_\_20160327T123557\_20160327T131104\_C001

CS OFFL SIR FDM 2 20160327T132337 20160327T134855 C001

CS\_OFFL\_SIR\_FDM\_2\_\_20160327T141833\_20160327T143225\_C001

CS\_OFFL\_SIR\_FDM\_2\_\_20160327T143802\_20160327T145002\_C001

CS\_OFFL\_SIR\_FDM\_2\_\_20160327T150243\_20160327T152349\_C001

CS OFFL SIR FDM 2 20160327T152415 20160327T152941 C001

CS\_OFFL\_SIR\_FDM\_2\_\_20160327T154020\_20160327T154115\_C001

CS\_OFFL\_SIR\_FDM\_2\_\_20160327T155343\_20160327T162859\_C001

CS\_OFFL\_SIR\_FDM\_2\_\_20160327T171713\_20160327T171953\_C001

CS\_OFFL\_SIR\_FDM\_2\_\_20160327T173356\_20160327T174233\_C001

CS\_OFFL\_SIR\_FDM\_2\_\_20160327T174519\_20160327T180806\_C001

CS OFFL SIR FDM 2 20160327T182021 20160327T183355 C001

CS\_OFFL\_SIR\_FDM\_2\_\_20160327T185725\_20160327T185735\_C001

CS\_OFFL\_SIR\_FDM\_2\_\_20160327T191401\_20160327T194629\_C001

CS OFFL SIR FDM 2 20160327T200433 20160327T201704 C001

CS OFFL SIR FDM 2 20160327T201708 20160327T203443 C001

CS OFFL SIR FDM 2 20160327T210955 20160327T212545 C001

CS\_OFFL\_SIR\_FDM\_2\_\_20160327T214146\_20160327T215210\_C001

CS\_OFFL\_SIR\_FDM\_2\_\_20160327T224953\_20160327T230436\_C001

CS\_OFFL\_SIR\_FDM\_2\_\_20160327T231803\_20160327T235201\_C001

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

Sea State Bias Correction, Altimetric Wind Speed
Sea State Bias Correction, Altimetric Wind Speed
Sea State Bias Correction, Altimetric

Wind Speed
Sea State Bias Correction, Altimetric
Wind Speed
Wind Speed

Wind Speed Sea State Bias Correction

Sea State Bias Correction
Sea State Bias Correction, Altimetric

Sea State Bias Correction
Sea State Bias Correction, Altimetric

Wind Speed

Wind Speed Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction, Altimetric Wind Speed

Sea State Bias Correction, Altimetric Wind Speed
Sea State Bias Correction

Sea State Bias Correction, Altimetric Wind Speed

Sea State Bias Correction
Sea State Bias Correction, Altimetric
Wind Speed
Sea State Bias Correction, Altimetric
Wind Speed

Wild Speed
Sea State Bias Correction, Altimetric
Wind Speed
Sea State Bias Correction, Altimetric
Wind Speed
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Wind Speed
Sea State Bias Correction, Altimetric
Sea State Bias Correction, Altimetric

Wind Speed Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction, Altimetric Wind Speed

Sea State Bias Correction, Altimetric

Wind Speed
Sea State Bias Correction, Altimetric
Wind Speed
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Sea State Bias Correction, Altimetric

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Sea State Bias Correction
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Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction Sea State Bias Correction. Altimetric

Wind Speed
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wind Speed Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction, Altimetric

Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction, Altimetric Wind Speed

Wind Speed

Description
There is an error with the Altimetric Wind Speed and Sea State Bias
Correction for one or more records

Correction for one or more records
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 Altimetric Wind Speed and Sea State Bias Correction for one or more records 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 records

There is an error with the Sea State Bias Correction for one or more

There is an error with the Sea State Bias Correction for one or more records

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
records
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 Altimetric Wind Speed and Sea State Bias

Correction for one or more records
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 Altimetric Wind Speed and Sea State Bias Correction for one or more records
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

There is an error with the Sea State Bias Correction for one of more records

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 records

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 Altimetric Wind Speed and Sea State Bias
Correction for one or more records

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 Altimetric Wind Speed and Sea State Bias

Correction for one or more records
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 Altimetric Wind Speed and Sea State Bias Correction for one or more records
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 Altimetric Wind Speed and Sea State Bias
Correction for one or more records

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 Altimetric Wind Speed and Sea State Bias Correction for one or more records
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 Altimetric Wind Speed and Sea State Bias
Correction for one or more records

Correction for one of more records

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 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 records

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 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 records
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 Altimetric Wind Speed and Sea State Bias Correction for one or more records
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 Altimetric Wind Speed and Sea State Bias
Correction for one or more records

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 Altimetric Wind Speed and Sea State Bias

Correction for one or more records
There is an error with the Altimetric Wind Speed and Sea State Bias
Correction for one or more records

Correction for one of more records

There is an error with the Altimetric Wind Speed and Sea State Bias
Correction for one or more records

#### 6.5 L2 FDM Measurement Confidence Data Check

CryoSat L2 data includes a measurement confidence flag (field 8) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

lumber of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220160327T123557_20160327T131104_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220160327T135425_20160327T135728_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220160327T153349_20160327T153444_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220160327T171259_20160327T171359_C001	Attitude correction missing	The attitude has not been corrected

### 6.6 L2 FDM Range Measurement Check

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

Number of products with errors:

26

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220160327T010914_20160327T013517_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_220160327T024624_20160327T031451_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_20160327T032707_20160327T040205_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_220160327T050637_20160327T052932_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_20160327T064544_20160327T065215_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_220160327T082602_20160327T084242_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_20160327T084244_20160327T084351_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_220160327T093849_20160327T095030_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_20160327T100514_20160327T102019_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_220160327T102158_20160327T103719_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_20160327T105847_20160327T110557_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_20160327T110719_20160327T111207_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_220160327T114455_20160327T120848_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_220160327T132337_20160327T134855_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_220160327T150243_20160327T152349_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_220160327T152415_20160327T152941_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_220160327T154020_20160327T154115_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_220160327T155343_20160327T162859_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_220160327T174519_20160327T180806_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_220160327T185725_20160327T185735_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_220160327T191401_20160327T194629_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_220160327T200433_20160327T201704_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_220160327T210955_20160327T212545_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_220160327T214146_20160327T215210_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_220160327T224953_20160327T230436_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_220160327T231803_20160327T235201_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: 26

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220160327T010914_20160327T013517_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_220160327T024624_20160327T031451_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_220160327T032707_20160327T040205_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_220160327T050637_20160327T052932_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_20160327T06444_20160327T06424_C001  CS_OFFL_SIR_FDM_2_20160327T084024_20160327T06424_C001  CS_OFFL_SIR_FDM_2_20160327T084024_20160327T06424_C001  CS_OFFL_SIR_FDM_2_20160327T084024_20160327T06424_C001  CS_OFFL_SIR_FDM_2_20160327T084024_20160327T06426_C001  CS_OFFL_SIR_FDM_2_20160327T08404_20160327T064031_C001  CS_OFFL_SIR_FDM_2_20160327T10640_20160327T106950_C001  CS_OFFL_SIR_FDM_2_20160327T10647_20160327T110567_C001  CS_OFFL_SIR_FDM_2_20160327T107847_20160327T110567_C001  CS_OFFL_SIR_FDM_2_20160327T107847_20160327T110567_C001  CS_OFFL_SIR_FDM_2_20160327T107847_20160327T110567_C001  CS_OFFL_SIR_FDM_2_20160327T107847_20160327T110567_C001  CS_OFFL_SIR_FDM_2_20160327T107847_20160327T110567_C001  CS_OFFL_SIR_FDM_2_20160327T110547_20160327T110567_C001  CS_OFFL_SIR_FDM_2_20160327T110547_20160327T110568_C001  CS_OFFL_SIR_FDM_2_20160327T110544_20160327T110568_C001  CS_OFFL_SIR_FDM_2_20160327T110544_20160327T110564_20160327T1105			
CS_OFFL_SIR_FDM_2_20160327T08242_20160327T08249_C001  SQUARDAY-renging Status Flag Growth	CS_OFFL_SIR_FDM_220160327T064544_20160327T065215_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20160327T109349_20160327T109509_C001  CS_OFFL_SIR_FDM_2_20160327T109549_20160327T109509_C001  CS_OFFL_SIR_FDM_2_20160327T109549_20160327T109509_C001  CS_OFFL_SIR_FDM_2_20160327T109549_20160327T109509_C001  CS_OFFL_SIR_FDM_2_20160327T109547_20160327T109509_C001  CS_OFFL_SIR_FDM_2_20160327T109547_20160327T109579_C001  CS_OFFL_SIR_FDM_2_20160327T109547_20160327T10957_C001  CS_OFFL_SIR_FDM_2_20160327T109547_20160327T110957_C001  CS_OFFL_SIR_FDM_2_20160327T109547_20160327T110957_C001  CS_OFFL_SIR_FDM_2_20160327T109547_20160327T110957_C001  CS_OFFL_SIR_FDM_2_20160327T1109547_20160327T1109547_C001  CS_OFFL_SIR_FDM_2_20160327T1109547_20160327T1109547_C001  CS_OFFL_SIR_FDM_2_20160327T1109547_20160327T1109547_C001  CS_OFFL_SIR_FDM_2_20160327T1109547_20160327T1109547_C001  CS_OFFL_SIR_FDM_2_20160327T1109547_20160327T1109547_C001  CS_OFFL_SIR_FDM_2_20160327T1109547_20160327T1109547_C001  CS_OFFL_SIR_FDM_2_20160327T1109547_20160327T1109549_C001  CS_OFFL_SIR_FDM_2_20160327T1109547_20160327T1109549_C001  CS_OFFL_SIR_FDM_2_20160327T1150243_20160327T1109557_C001  CS_OFFL_SIR_FDM_2_20160327T1150243_20160327T1109549_C001  CS_OFFL_SIR_FDM_2_20160327T1150243_20160327T1109557_C001  CS_OFFL_SIR_FDM_2_20160327T1150243_20160327T110010  CS_OFFL_SIR_FDM_2_20160327T150043_20160327T110010  CS_OFFL_SIR_FDM_2_20160327T1150243_20160327T110010  CS_OFFL_SIR_FDM_2_20160327T1150243_20160327T110010  CS_OFFL_SIR_FDM_2_20160327T1150343_20160327T110010  CS_OFFL_SIR_FDM_2_20160327T1150343_20160327T110010  CS_OFFL_SIR_FDM_2_20160327T1150343_20160327T110010  CS_OFFL_SIR_FDM_2_20160327T1150343_20160327T1100010  CS_OFFL_SIR_FDM_2_20160327T1150343_20160327T1100010  CS_OFFL_SIR_FDM_2_20160327T1150343_20160327T1100010  CS_OFFL_SIR_FDM_2_20160327T110033_20160327T11000010  CS_OFFL_SIR_FDM_2_20160327T110033_20160327T1000010  CS_OFFL_SIR_FDM_2_20160327T110033_20160327T1000010  CS_OFFL_SIR_FDM_2_20160327T110033_20160327T1000010  CS_OFFL_SIR_FDM_2_20160327T10033_20160327T1000010  CS_OFFL_SIR_FDM_2_20160327T10033_20160327T1000010  CS_OFFL_SIR_FDM_	CS_OFFL_SIR_FDM_220160327T082602_20160327T084242_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
SCOFFL_SIR_FDM_2_20160327T100549_20160327T100509_C001  CS_OFFL_SIR_FDM_2_20160327T100514_20160327T100509_C001  CS_OFFL_SIR_FDM_2_20160327T100514_20160327T100509_C001  CS_OFFL_SIR_FDM_2_20160327T100547_20160327T100507_C001  CS_OFFL_SIR_FDM_2_20160327T100507_C001  CS_OFFL_SIR_FDM_2_20160327T100507_C0010007_C001  CS_OFFL_SIR_FDM_2_20160327T100507_C0010007_C001  CS_OFFL_SIR_FDM_2_20160327T100507_C0010007_C0010	CS_OFFL_SIR_FDM_220160327T084244_20160327T084351_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20160327T109514_20160327T109519_CO01  CS_OFFL_SIR_FDM_2_20160327T109519_CO01  CS_OFFL_SIR_FDM_2_20160327T109547_20160327T110557_CO01  CS_OFFL_SIR_FDM_2_20160327T109547_20160327T110557_CO01  CS_OFFL_SIR_FDM_2_20160327T10719_20160327T11057_CO01  CS_OFFL_SIR_FDM_2_20160327T10719_20160327T1107_CO01  CS_OFFL_SIR_FDM_2_20160327T110719_20160327T1107_CO01  CS_OFFL_SIR_FDM_2_20160327T1107_CO01  CS_OFFL_SIR_FDM_2_20160327T1107_CO01  CS_OFFL_SIR_FDM_2_20160327T1107_CO01  CS_OFFL_SIR_FDM_2_20160327T1107_CO01  CS_OFFL_SIR_FDM_2_20160327T1107_CO01  CS_OFFL_SIR_FDM_2_20160327T1107_CO01  CS_OFFL_SIR_FDM_2_20160327T1107_CO01  CS_OFFL_SIR_FDM_2_20160327T1107_CO01  CS_OFFL_SIR_FDM_2_20160327T100327T1000327T1000000000000000000000000000000000000	CS_OFFL_SIR_FDM_220160327T093849_20160327T095030_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
SQLERED Averaging Status Flag SVH SQLERE	CS_OFFL_SIR_FDM_220160327T100514_20160327T102019_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20160327T110567_C001  CS_OFFL_SIR_FDM_2_20160327T110567_C001  CS_OFFL_SIR_FDM_2_20160327T11207402.C001  CS_OFFL_SIR_FDM_2_20160327T1120848_C001  CS_OFFL_SIR_FDM_2_20160327T1120848_C001  CS_OFFL_SIR_FDM_2_20160327T1120848_C001  CS_OFFL_SIR_FDM_2_20160327T1120848_C001  CS_OFFL_SIR_FDM_2_20160327T1120848_C001  CS_OFFL_SIR_FDM_2_20160327T1120848_C001  CS_OFFL_SIR_FDM_2_20160327T1120848_C001  CS_OFFL_SIR_FDM_2_20160327T1120848_C001  CS_OFFL_SIR_FDM_2_20160327T1120848_C001  CS_OFFL_SIR_FDM_2_20160327T152449_C001  CS_OFFL_SIR_FDM_2_20160327T152445_20160327T152449_C001  CS_OFFL_SIR_FDM_2_20160327T15245_20160327T152445_C001  CS_OFFL_SIR_FDM_2_20160327T15245_20160327T15245_C001  CS_OFFL_SIR_FDM_2_20160327T15245_20160327T162859_C001  CS_OFFL_SIR_FDM_2_20160327T15245_20160327T162859_C001  CS_OFFL_SIR_FDM_2_20160327T1625343_20160327T162859_C001  CS_OFFL_SIR_FDM_2_20160327T16253_20160327T162859_C001  CS_OFFL_SIR_FDM_2_20160327T1625343_20160327T162859_C001  CS_OFFL_SIR_FDM_2_20160327T16255_20160327T162859_C001  CS_OFFL_SIR_FDM_2_20160327T16255_20160327T162859_C001  CS_OFFL_SIR_FDM_2_20160327T16255_20160327T162859_C001  CS_OFFL_SIR_FDM_2_20160327T16255_20160327T162859_C001  CS_OFFL_SIR_FDM_2_20160327T16255_20160327T162859_C001  CS_OFFL_SIR_FDM_2_20160327T16255_20160327T162859_C001  CS_OFFL_SIR_FDM_2_20160327T16255_20160327T16265_C001  CS_OFFL_SIR_FDM_2_20160327T16255_20160327T16255_C001  CS_OFFL_SIR_FDM_2_20160327T16402_20160327T16402_C001  CS_OFFL_SIR_FDM_2_20160327T16402_C001  CS_OFFL_SIR_FDM_2_20160327T16402_	CS_OFFL_SIR_FDM_220160327T102158_20160327T103719_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20160327T114055_20160327T120848_C001  CS_OFFL_SIR_FDM_2_20160327T114455_20160327T134855_C001  CS_OFFL_SIR_FDM_2_20160327T152337_20160327T134855_C001  CS_OFFL_SIR_FDM_2_20160327T150243_20160327T152349_C001  CS_OFFL_SIR_FDM_2_20160327T150243_20160327T15249_C001  CS_OFFL_SIR_FDM_2_20160327T150243_20160327T152941_C001  CS_OFFL_SIR_FDM_2_20160327T154020_20160327T15404_C001  CS_OFFL_SIR_FDM_2_20160327T154020_20160327T152945_C001  CS_OFFL_SIR_FDM_2_20160327T154020_20160327T152945_C001  CS_OFFL_SIR_FDM_2_20160327T154020_20160327T162859_C001  CS_OFFL_SIR_FDM_2_20160327T155402_20160327T162859_C001  CS_OFFL_SIR_FDM_2_20160327T155402_20160327T162859_C001  CS_OFFL_SIR_FDM_2_20160327T155402_20160327T162859_C001  CS_OFFL_SIR_FDM_2_20160327T155402_20160327T162859_C001  CS_OFFL_SIR_FDM_2_20160327T155402_20160327T162859_C001  CS_OFFL_SIR_FDM_2_20160327T155402_20160327T162859_C001  CS_OFFL_SIR_FDM_2_20160327T155402_20160327T162859_C001  CS_OFFL_SIR_FDM_2_20160327T155402_20160327T162859_C001  CS_OFFL_SIR_FDM_2_20160327T155402_20160327T165755_C001  CS_OFFL_SIR_FDM_2_20160327T165755_20160327T165756_C001  CS_OFFL_SIR_FDM_2_20160327T165755_20160327T165756_C001  CS_OFFL_SIR_FDM_2_20160327T165755_20160327T194629_C001  CS_OFFL_SIR_FDM_2_20160327T1200433_20160327T21704_C001  CS_OFFL_SIR_FDM_2_20160327T1200433_20160327T215266_C001  CS_OFFL_SIR_FDM_2_20160327T1200433_20160327T215266_C001  CS_OFFL_SIR_FDM_2_20160327T200433_20160327T215266_C001  CS_OFFL_SIR_FDM_2_20160327T214466_20160327T215266_C001  CS_OFFL_SIR_FDM_2_20160327T214466_20160327T215266_C001  CS_OFFL_SIR_FDM_2_20160327T214466_20160327T215266_C001  CS_OFFL_SIR_FDM_2_20160327T214466_20160327T215266_C001  CS_OFFL_SIR_FDM_2_20160327T240453_20160327T215266_C001  CS_OFFL_SIR_FDM_2_20160327T240453_20160327T215266_C001  CS_OFFL_SIR_FDM_2_20160327T240453_20160327T215266_C001  CS_OFFL_SIR_FDM_2_20160327T240453_20160327T215266_C001  CS_OFFL_SIR_FDM_2_20160327T240453_20160327T215266_C001  CS_OFFL_SIR_FDM_2_20160327T240453_20160327T215266_C001  CS_OFFL_SIR_FDM_2_20160327T244	CS_OFFL_SIR_FDM_220160327T105847_20160327T110557_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20160327T114455_20160327T152445_C001  CS_OFFL_SIR_FDM_2_20160327T152347_20160327T152349_C001  CS_OFFL_SIR_FDM_2_20160327T150243_20160327T152349_C001  CS_OFFL_SIR_FDM_2_20160327T150243_20160327T152441_C001  CS_OFFL_SIR_FDM_2_20160327T152455_20160327T152941_C001  CS_OFFL_SIR_FDM_2_20160327T150243_20160327T152941_C001  CS_OFFL_SIR_FDM_2_20160327T154020_20160327T1524515_C001  CS_OFFL_SIR_FDM_2_20160327T155343_20160327T152859_C001  CS_OFFL_SIR_FDM_2_20160327T155343_20160327T152859_C001  CS_OFFL_SIR_FDM_2_20160327T1755543_20160327T162859_C001  CS_OFFL_SIR_FDM_2_20160327T1755543_20160327T185755_C001  CS_OFFL_SIR_FDM_2_20160327T191401_20160327T186066_C001  CS_OFFL_SIR_FDM_2_20160327T191401_20160327T194629_C001  CS_OFFL_SIR_FDM_2_20160327T191401_20160327T194629_C001  CS_OFFL_SIR_FDM_2_20160327T191401_20160327T194629_C001  CS_OFFL_SIR_FDM_2_20160327T191401_20160327T194629_C001  CS_OFFL_SIR_FDM_2_20160327T191401_20160327T194629_C001  CS_OFFL_SIR_FDM_2_20160327T191401_20160327T12545_C001  CS_OFFL_SIR_FDM_2_20160327T191401_20160327T12545_C001  CS_OFFL_SIR_FDM_2_20160327T200433_20160327T25455_C001  CS_OFFL_SIR_FDM_2_20160327T200433_20160327T25455_C001  CS_OFFL_SIR_FDM_2_20160327T200433_20160327T25455_C001  CS_OFFL_SIR_FDM_2_20160327T200433_20160327T25455_C001  CS_OFFL_SIR_FDM_2_20160327T200433_20160327T25455_C001  CS_OFFL_SIR_FDM_2_20160327T200433_20160327T25455_C001  CS_OFFL_SIR_FDM_2_20160327T214462_0160327T25455_C001  CS_OFFL_SIR_FDM_2_20160327T214462_0160327T25455_C001  CS_OFFL_SIR_FDM_2_20160327T214146_20160327T25455_C001  CS_OFFL_SIR_FDM_2_20160327T244553_20160327T25455_C001  CS_OFFL_SIR_FDM_2_20160327T244553_20160327T25455_C001  CFI Backscatter Status Flag, SWH squared Averaging Status Flag SWH squar	CS_OFFL_SIR_FDM_220160327T110719_20160327T111207_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20160327T132337_20160327T152349_C001  CS_OFFL_SIR_FDM_2_20160327T150243_20160327T152349_C001  CS_OFFL_SIR_FDM_2_20160327T152415_20160327T152349_C001  CS_OFFL_SIR_FDM_2_20160327T152415_20160327T15241_C001  CS_OFFL_SIR_FDM_2_20160327T154020_20160327T154115_C001  CS_OFFL_SIR_FDM_2_20160327T154020_20160327T154115_C001  CS_OFFL_SIR_FDM_2_20160327T154020_20160327T154115_C001  CS_OFFL_SIR_FDM_2_20160327T154020_20160327T164115_C001  CS_OFFL_SIR_FDM_2_20160327T154020_20160327T162859_C001  CS_OFFL_SIR_FDM_2_20160327T174519_20160327T160806_C001  CS_OFFL_SIR_FDM_2_20160327T174519_20160327T180806_C001  CS_OFFL_SIR_FDM_2_20160327T191401_20160327T194629_C001  CS_OFFL_SIR_FDM_2_20160327T200433_20160327T201704_C001  CS_OFFL_SIR_FDM_2_20160327T200433_20160327T2104001  CS_OFFL_SIR_FDM_2_20160327T200433_20160327T2104001  CS_OFFL_SIR_FDM_2_20160327T200433_20160327T21040001  CS_OFFL_SIR_FDM_2_20160327T200433_20160327T21040001  CS_OFFL_SIR_FDM_2_20160327T200433_20160327T21040001  CS_OFFL_SIR_FDM_2_20160327T200433_20160327T2100001  CS_OFFL_SIR_FDM_2_20160327T200433_20160327T2100001  CS_OFFL_SIR_FDM_2_20160327T200433_20160327T200001  CS_OFFL_SIR_FDM_2_20160327T200433_20160327T200001  CS_OFFL_SIR_FDM_2_20160327T200433_20160327T200001  CS_OFFL_SIR_FDM_2_20160327T200433_20160327T200001  CS_OFFL_SIR_FDM_2_20160327T200433_20160327T200001  CS_OFFL_SIR_FDM_2_2016032	CS_OFFL_SIR_FDM_220160327T114455_20160327T120848_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20160327T150243_20160327T152445_C001  CS_OFFL_SIR_FDM_2_20160327T152415_20160327T152941_C001  CS_OFFL_SIR_FDM_2_20160327T154020_20160327T152941_C001  CS_OFFL_SIR_FDM_2_20160327T154020_20160327T154015_C001  CS_OFFL_SIR_FDM_2_20160327T154020_20160327T154015_C001  CS_OFFL_SIR_FDM_2_20160327T155343_20160327T162859_C001  CS_OFFL_SIR_FDM_2_20160327T155343_20160327T162859_C001  CS_OFFL_SIR_FDM_2_20160327T174519_20160327T180806_C001  CS_OFFL_SIR_FDM_2_20160327T174519_20160327T180806_C001  CS_OFFL_SIR_FDM_2_20160327T191401_20160327T180806_C001  CS_OFFL_SIR_FDM_2_20160327T191401_20160327T194629_C001  CS_OFFL_SIR_FDM_2_20160327T191401_20160327T194629_C001  CS_OFFL_SIR_FDM_2_20160327T20433_20160327T215455_C001  CS_OFFL_SIR_FDM_2_20160327T20433_20160327T215455_C001  CS_OFFL_SIR_FDM_2_20160327T20433_20160327T215455_C001  CS_OFFL_SIR_FDM_2_20160327T214146_20160327T215455_C001  CS_OFFL_SIR_FDM_2_20160327T214446_20160327T215455_C001  CS_OFFL_SIR_FDM_2_20160327T214446_20160327T215455_C001  CS_OFFL_SIR_FDM_2_20160327T214446_20160327T215455_C001  CS_OFFL_SIR_FDM_2_20160327T214446_20160327T215455_C001  CS_OFFL_SIR_FDM_2_20160327T214446	CS_OFFL_SIR_FDM_220160327T132337_20160327T134855_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20160327T152415_20160327T152415_CO01  CS_OFFL_SIR_FDM_2_20160327T154020_20160327T154115_CO01  CS_OFFL_SIR_FDM_2_20160327T154020_20160327T162859_CO01  CS_OFFL_SIR_FDM_2_20160327T155343_20160327T162859_CO01  CS_OFFL_SIR_FDM_2_20160327T174519_20160327T180806_CO01  CS_OFFL_SIR_FDM_2_20160327T174519_20160327T180806_CO01  CS_OFFL_SIR_FDM_2_20160327T185725_20160327T185735_CO01  CS_OFFL_SIR_FDM_2_20160327T191401_20160327T194629_CO01  CS_OFFL_SIR_FDM_2_20160327T191401_20160327T194629_CO01  CS_OFFL_SIR_FDM_2_20160327T191401_20160327T194629_CO01  CS_OFFL_SIR_FDM_2_20160327T191401_20160327T194629_CO01  CS_OFFL_SIR_FDM_2_20160327T120453_20160327T201704_CO01  CS_OFFL_SIR_FDM_2_20160327T204433_20160327T201704_CO01  CS_OFFL_SIR_FDM_2_20160327T204433_20160327T215245_CO01  CS_OFFL_SIR_FDM_2_20160327T214146_20160327T215210_CO01  CS_OFFL_SIR_FDM_2_20160327T214	CS_OFFL_SIR_FDM_220160327T150243_20160327T152349_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20160327T154020_20160327T162859_C001  CS_OFFL_SIR_FDM_2_20160327T155343_20160327T162859_C001  CS_OFFL_SIR_FDM_2_20160327T174519_20160327T180806_C001  CS_OFFL_SIR_FDM_2_20160327T174519_20160327T180806_C001  CS_OFFL_SIR_FDM_2_20160327T185725_20160327T185735_C001  CS_OFFL_SIR_FDM_2_20160327T19401_20160327T194629_C001  CS_OFFL_SIR_FDM_2_20160327T19401_20160327T194629_C001  CS_OFFL_SIR_FDM_2_20160327T200433_20160327T201704_C001  CS_OFFL_SIR_FDM_2_20160327T200433_20160327T201704_C001  CS_OFFL_SIR_FDM_2_20160327T200433_20160327T215210_C001  CS_OFFL_SIR_FDM_2_20160327T214146_20160327T215210_C001  CS_OFFL_SIR_FDM_2_20160327T244953_20160327T230436_C001  CS_OFFL_SIR_FDM_2_20160327T224953_20160327T230436_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  CS_OFFL_SIR_FDM_2_20160327T200433_20160327T21545_C001  CS_OFFL_SIR_FDM_2_20160327T214146_20160327T215210_C001  CS_OFFL_SIR_FDM_2_20160327T214146_20160327T215210_C001  CS_OFFL_SIR_FDM_2_20160327T214146_20160327T21545_C001  CS_OFFL_SIR_FDM_2_20160327T214146_20160327T21545_C001  CS_OFFL_SIR_FDM_2_20160327T214146_20160327T21545_C001  CS_OFFL_SIR_FDM_2_20160327T214146_20160327T230436_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 Sta	CS_OFFL_SIR_FDM_220160327T152415_20160327T152941_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20160327T155343_20160327T186896_C001  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CS_OFFL_SIR_FDM_2_20160327T185725_20160327T185735_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.  The master fail flag is set by the CF	CS_OFFL_SIR_FDM_220160327T154020_20160327T154115_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20160327T185725_20160327T185735_C001  CS_OFFL_SIR_FDM_2_20160327T185725_20160327T194629_C001  CS_OFFL_SIR_FDM_2_20160327T19401_20160327T194629_C001  CS_OFFL_SIR_FDM_2_20160327T200433_20160327T201704_C001  CS_OFFL_SIR_FDM_2_20160327T200433_20160327T201704_C001  CS_OFFL_SIR_FDM_2_20160327T210955_20160327T215256_C001  CS_OFFL_SIR_FDM_2_20160327T210955_20160327T215210_C001  CS_OFFL_SIR_FDM_2_20160327T214146_20160327T215210_C001  CS_OFFL_SIR_FDM_2_20160327T224953_20160327T230436_C001  CS_OFFL_SIR_FDM_3_20160327T230436_C001  CS_OFFL_SIR_FDM_3_20160327T2304	CS_OFFL_SIR_FDM_220160327T155343_20160327T162859_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20160327T185725_20160327T194629_C001  CS_OFFL_SIR_FDM_2_20160327T191401_20160327T194629_C001  CS_OFFL_SIR_FDM_2_20160327T200433_20160327T201704_C001  CS_OFFL_SIR_FDM_2_20160327T200433_20160327T201704_C001  CS_OFFL_SIR_FDM_2_20160327T210955_20160327T212545_C001  CS_OFFL_SIR_FDM_2_20160327T210955_20160327T212545_C001  CS_OFFL_SIR_FDM_2_20160327T214146_20160327T215210_C001  CS_OFFL_SIR_FDM_2_20160327T214146_20160327T215210_C001  CS_OFFL_SIR_FDM_2_20160327T214146_20160327T230436_C001  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CS_OFFL_SIR_FDM_2_20160327T224953_20160327T230436_C001  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CS_OFFL_SIR_FDM_2_20160327T214146_20160327T215210_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  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 ign	CS_OFFL_SIR_FDM_220160327T174519_20160327T180806_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20160327T200433_20160327T201704_C001  CS_OFFL_SIR_FDM_2_20160327T200433_20160327T201704_C001  CS_OFFL_SIR_FDM_2_20160327T210955_20160327T212545_C001  CS_OFFL_SIR_FDM_2_20160327T210955_20160327T215210_C001  CS_OFFL_SIR_FDM_2_20160327T214146_20160327T215210_C001  CS_OFFL_SIR_FDM_2_20160327T214146_20160327T215210_C001  CS_OFFL_SIR_FDM_2_20160327T224953_20160327T230436_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  CS_OFFL_SIR_FDM_2_20160327T224953_20160327T230436_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  The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.  The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.  The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.  The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.  The master fail	CS_OFFL_SIR_FDM_220160327T185725_20160327T185735_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20160327T201704_C001  CS_OFFL_SIR_FDM_2_20160327T210955_20160327T212545_C001  CS_OFFL_SIR_FDM_2_20160327T214146_20160327T215210_C001  CS_OFFL_SIR_FDM_2_20160327T214146_20160327T215210_C001  CS_OFFL_SIR_FDM_2_20160327T224953_20160327T230436_C001  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CS_OFFL_SIR_FDM_2_20160327T224953_20160327T230436_C001  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  CFI Backscatter Status Flag  CFI Backscatter Status Flag  CFI Backscatter Status Flag  CFI Backscatter Status Flag  CFI Backsc	CS_OFFL_SIR_FDM_220160327T191401_20160327T194629_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20160327T210955_20160327T212545_C001  CS_OFFL_SIR_FDM_2_20160327T214146_20160327T215210_C001  CS_OFFL_SIR_FDM_2_20160327T224953_20160327T230436_C001  CS_OFFL_SIR_FDM_2_20160327T224953_20160327T230436_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  The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.  The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.  The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.  The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.  The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.  The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.  The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.	CS_OFFL_SIR_FDM_220160327T200433_20160327T201704_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20160327T214146_20160327T215210_C001  CS_OFFL_SIR_FDM_2_20160327T224953_20160327T230436_C001  CS_OFFL_SIR_FDM_2_20160327T224953_20160327T230436_C001  CFI Backscatter Status Flag SWH Squared Averaging Status Flag SWH Squared Av	CS_OFFL_SIR_FDM_220160327T210955_20160327T212545_C001		indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20160327T224953_20160327T230436_C001  CFI Backscatter Status Flag, SWH Squared Averaging Status Flag  indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.  The master fail flag is set by the CFI call, for one or more records,	CS_OFFL_SIR_FDM_220160327T214146_20160327T215210_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
	CS_OFFL_SIR_FDM_220160327T224953_20160327T230436_C001		indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_201603271231803_201603271235201_C001  Squared Averaging Status Flag Indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.	CS_OFFL_SIR_FDM_220160327T231803_20160327T235201_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	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:

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.
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.
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.
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.
	Ocean Retracking Quality Flag

CS_OFFL_SIR_FDM_220160327T093849_20160327T095030_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160327T100514_20160327T102019_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160327T102158_20160327T103719_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160327T105847_20160327T110557_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160327T110719_20160327T111207_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160327T111437_20160327T113141_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160327T114455_20160327T120848_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160327T123557_20160327T131104_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160327T132337_20160327T134855_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160327T141833_20160327T143225_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160327T150243_20160327T152349_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160327T152415_20160327T152941_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160327T153053_20160327T153103_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160327T154020_20160327T154115_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160327T155343_20160327T162859_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160327T171713_20160327T171953_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160327T173356_20160327T174233_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160327T174519_20160327T180806_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160327T182021_20160327T183355_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160327T183543_20160327T184816_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160327T185725_20160327T185735_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160327T191401_20160327T194629_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160327T200433_20160327T201704_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160327T205541_20160327T210751_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160327T210955_20160327T212545_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160327T214146_20160327T215210_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160327T215829_20160327T220939_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160327T224531_20160327T224651_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220160327T224953_20160327T230436_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_2_20160327T231803_20160327T235201_C001	Ocean Retracking Quality Flag

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