



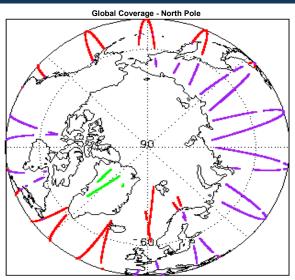
## 1. Overview

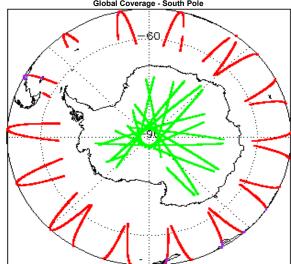
Report Production Date:	08-Jun-2016	
Processor Used:	CryoSat Ice Processor	
Data Used:	L1 and L2 Fast Delivery Marine (FDM)	

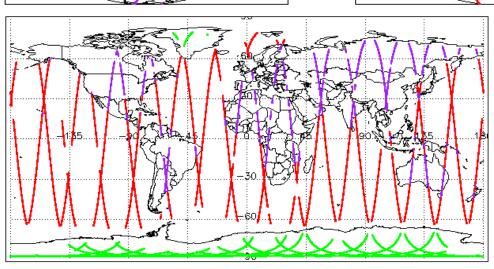
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check	Nominal
Auxiliary Data File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

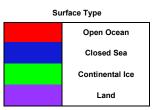
I	Mission / Instrument News	
	31-May-2016 None	
	01-Jun-2016 None	
	02-Jun-2016 SIRAL unavailability on 02-Jun-2016 from 10:15:44 to 13:41:57 due to a planned orbit manoeuvre.	

## 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:

4

Product	Test Failed
CS_OPER_SIR1SAR_020160601T101002_20160601T101035_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020160601T101137_20160601T101206_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020160601T101054_20160601T101112_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020160601T080453_20160601T080613_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:

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### 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_20160601T092026_20160601T092115_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20160601T105417_20160601T105714_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20160601T123342_20160601T123450_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20160601T155134_20160601T155619_C001	No Star Tracker file used in the processing of this product

### 5.4 L1B FDM Calibration Usage Check

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

Number of products with errors: 0

#### 5.5 L1B FDM Auxilary Data File Usage Check

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

Number of products with errors: 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_20160601T030321_20160601T030502_C001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_FDM_1B_20160601T092026_20160601T092115_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20160601T105417_20160601T105714_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20160601T123342_20160601T123450_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20160601T155134_20160601T155619_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20160601T185842_20160601T191027_C001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo

## 6. Level 2 FDM Data Quality Check

#### 6.1 L2 FDM Product Format Check

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

Number of products with errors:

## 6.2 L2 FDM Product Header Analysis

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

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.

Number of products with errors:

### 6.4 L2 FDM Auxiliary Correction Error Check

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

Number of products with errors:

37

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220160531T234256_20160601T000515_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220160601T002831_20160601T010154_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220160601T011528_20160601T011619_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220160601T013711_20160601T015317_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220160601T030532_20160601T031838_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220160601T034733_20160601T042028_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220160601T043631_20160601T050808_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220160601T052638_20160601T055507_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220160601T061645_20160601T063246_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220160601T070616_20160601T072030_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220160601T072210_20160601T072453_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220160601T075903_20160601T080453_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220160601T080736_20160601T083113_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220160601T094213_20160601T101002_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220160601T102450_20160601T104942_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220160601T124034_20160601T124125_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220160601T125415_20160601T130511_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220160601T130521_20160601T132755_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220160601T134618_20160601T140549_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220160601T141929_20160601T142014_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220160601T144538_20160601T150700_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220160601T152230_20160601T154828_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220160601T155738_20160601T155744_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220160601T161428_20160601T163020_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220160601T163023_20160601T164619_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220160601T170446_20160601T171714_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220160601T171807_20160601T173504_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220160601T175648_20160601T180812_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220160601T181015_20160601T182511_C001	Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction, Altimetric	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
CS_OFFL_SIR_FDM_220160601T184134_20160601T185400_C001	Wind Speed Sea State Bias Correction, Altimetric Sea State Bias Correction, Altimetric	Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias  There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220160601T185842_20160601T191027_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_220160601T194937_20160601T200422_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220160601T201850_20160601T204126_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Sea State Bias Correction for one or more
CS_OFFL_SIR_FDM_220160601T204129_20160601T204514_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220160601T211903_20160601T214325_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220160601T221456_20160601T222605_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220160601T225726_20160601T232341_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records

### 6.5 L2 FDM Measurement Confidence Data Check

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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_220160601T030321_20160601T030502_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220160601T092026_20160601T092115_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220160601T105417_20160601T105714_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220160601T123342_20160601T123450_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220160601T155134_20160601T155619_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220160601T185842_20160601T191027_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo

## 6.6 L2 FDM Range Measurement Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_2_20160531T234256_20160601T000515_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
CS_OFFL_SIR_FDM_220160601T002831_20160601T010154_C001	CFI Retracked Range Flag	ignored for these records.  The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220160601T030532_20160601T031838_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_220160601T034733_20160601T042028_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_220160601T052638_20160601T055507_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_220160601T061645_20160601T063246_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_220160601T072210_20160601T072453_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_220160601T075903_20160601T080453_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_220160601T080736_20160601T083113_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_220160601T094213_20160601T101002_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_220160601T124034_20160601T124125_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_220160601T125415_20160601T130511_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_220160601T130521_20160601T132755_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_220160601T134618_20160601T140549_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_220160601T144538_20160601T150700_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_220160601T152230_20160601T154828_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_220160601T155738_20160601T155744_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_220160601T161428_20160601T163020_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_220160601T163023_20160601T164619_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_220160601T170446_20160601T171714_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_220160601T175648_20160601T180812_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.  The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220160601T181015_20160601T182511_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.  The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220160601T184134_20160601T185400_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220160601T185842_20160601T191027_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.  The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220160601T201850_20160601T204126_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220160601T211903_20160601T214325_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.  The master fail flag is set by the CFI call, for one or more records.
CS_OFFL_SIR_FDM_220160601T221456_20160601T222605_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.  The master fail flag is set by the CFI call, for one or more records.
CS_OFFL_SIR_FDM_220160601T225726_20160601T232341_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.

### 6.7 L2 FDM SWH and Backscatter Measurement Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220160531T234256_20160601T000515_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_220160601T002831_20160601T010154_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_220160601T030532_20160601T031838_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_20160601T034733_20160601T042028_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_220160601T052638_20160601T055507_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_220160601T061645_20160601T063246_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_220160601T072210_20160601T072453_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_220160601T075903_20160601T080453_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_220160601T080736_20160601T083113_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_220160601T094213_20160601T101002_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_220160601T124034_20160601T124125_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_220160601T125415_20160601T130511_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_220160601T130521_20160601T132755_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_220160601T134618_20160601T140549_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_220160601T144538_20160601T150700_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_220160601T152230_20160601T154828_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_220160601T155738_20160601T155744_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_220160601T161428_20160601T163020_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_220160601T163023_20160601T164619_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_220160601T170446_20160601T171714_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_220160601T175648_20160601T180812_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_220160601T181015_20160601T182511_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_220160601T184134_20160601T185400_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_220160601T185842_20160601T191027_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_220160601T201850_20160601T204126_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_220160601T211903_20160601T214325_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_220160601T221456_20160601T222605_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_220160601T225726_20160601T232341_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.

# 6.8 L2 FDM Ocean Retracking Quality Check

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

Number of products with errors:

CS OPEL SIX FUM 2_00000071029429 20190001100005 (2001)  CR (PPR _ SIX _ FUM 2_0000007102941_201900110005 (2001)  CR (PPR _ SIX _ FUM 2_0000007102941_2019001110005 (2001)  CR (PPR _ SIX _ FUM 2_0000007102941_20190001110005 (2001)  CR (PPR _ SIX _ FU	Number of products with errors.		
South Line 2 Colored Homes and successfully excelled to road arms another control of the control of the colored Homes and successfully excelled to road arms another colored Homes and successfully excelled to road	Product	Test Failed	Description The Ocean Retracking Quality Flag is set indicating the CFI Ocean
Comm. Prescription (Laber) visible for comm. Prescription	CS_OFFL_SIR_FDM_220160531T234256_20160601T000515_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
Co. CPTL_SR_FDM_2_2016001710214_20160017102450_C0101   Co. CPTL_SR_FDM_2_2016001710214_20160017102450_C0101   Co. CPTL_SR_FDM_2_2016001710214_20160017102450_C0101   Co. CPTL_SR_FDM_2_2016001710214_20160017102450_C0101   Co. CPTL_SR_FDM_2_20160017102450_C010100102450_C0101   Co. CPTL_SR_FDM_2_20160017102450_C010100102450_C0101   Co. CPTL_SR_FDM_2_20160017102450_C010100102450_C0101   Co. CPTL_SR_FDM_2_20160017102450_C010100102450_C0101   Co. CPTL_SR_FDM_2_20160017102450_C010100102450_C0101   Co. CPTL_SR_FDM_2_20160017102450_C010100102450_C0101   Co. CPTL_SR_FDM_2_201600017102450_C010100102450_C0101   Co. CPTL_SR_FDM_2_201600017102450_C010100102450_C010100102450_C010100102450_C010100102450_C010	CS_OFFL_SIR_FDM_220160601T002831_20160601T010154_C001	Ocean Retracking Quality Flag	
Comparison   Com	CS OFFL SIR FDM 2 20160601T012741 20160601T012835 C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
SQ-PH_SR_PM_2_0160001103001103001103001103001103001000110300100000110300100001103001000001103001000001103001000001103001000001103001000001103000000			•
Deem Retracking Quality Flag  CS_OPPL_SIR_PIM201666017023532_201666017023532_C010  Deem Retracking Quality Flag  The Ocume Retracking Quality Flag  The Oc	CS_OFFL_SIR_FDM_2201606011013711_201606011015317_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
SCOPEL SR FOW 2_201600011002632_201600011002632_CO10  Coesn Retracking Quality Flag  Coesn Re	CS_OFFL_SIR_FDM_220160601T020803_20160601T022945_C001	Ocean Retracking Quality Flag	
CS_CFFL_SR_FDM_2_entosion1702092_0100011702092_0100011702092_0100011702092_01000001702092_0100001702092_0100001702092_0100001702092_0100001702092_0100001702092_0100001702092_0100001702092_0100001702092_0100001702092_0100001702092_0100001702092_0100001702092_0100001702092_0100001702092_0100001702092_0100001702092_0100001702092_01000001702092_01000001702092_01000001702092_01000001702092_01000001702092_01000001702092_01000001702092_01000001702092_01000001702092_01000001702092_01000001702092_01000001702092_01000001702092_01000001702092_0100000000000000000000000000000000	CS_OFFL_SIR_FDM_220160601T023230_20160601T024203_C001	Ocean Retracking Quality Flag	
Ocean Retracting Quality Flag The Ocean Retracting Quality Flag Retractive rate of autocated light of even for more moords.  So, OFEL, SIR, FLMD, 2, 201600011005033, 201600011005009, 2001 Ocean Retracting Quality Flag The Ocean Retracting Quali	CS OFFI SIR FDM 2 20160601T030532 20160601T031838 C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
Segment restracting Quality Flag  Restraction of Comments of Comme			•
SCOPEL_SIR_FEM_2_0100001103403_010001103009C_001  CSCOPEL_SIR_FEM_2_01000011035505_0100011035507_0001  CSCOPEL_SIR_FEM_2_01000011035507_0001  CSCOPEL_SIR_FEM_2_01000011035507_0001  CSCOPEL_SIR_FEM_2_0100001103540_0001  CSCOPEL_SIR_FEM_2_0100001103540_00001113541_0001  CSCOPEL_SIR_FEM_2_01000011132100_0100001113541_0001  CSCOPEL_SIR_FEM_2_01000011132100_0100010113541_0001  CSCOPEL_SIR_FEM_2_01000011132100_0100010113541_0001  CSCOPEL_SIR_FEM_2_0100001113541_000001113541_0001  CSCOPEL_SIR_FEM_2_0100001113541_0000011135	CS_OFFL_SIR_FDM_220160601T032026_20160601T033122_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
Segoriff, Sir, FibM. 2_20160001103632_0160001103634_0001 Cean Retracking Quality Fig. Set indicating the CFI Ocean Retracking Quality Fig.	CS_OFFL_SIR_FDM_220160601T034733_20160601T042028_C001	Ocean Retracking Quality Flag	
Oscan Retracking Quality Flag set indicating the CFI Ocean Retracking Quality Flag Se	CS_OFFL_SIR_FDM_220160601T043631_20160601T050808_C001	Ocean Retracking Quality Flag	
Osean Retracking Quality Flag  Series F. Dev. 2, 201600011701201, 201600011702403, CO01  Control Retracking Quality Flag  Retrackers was not successfully secured for one or more records. The Ocean Retracking Quality Flag  Retrackers was not successfully secured for one or more records. The Ocean Retracking Quality Flag  Retrackers was not successfully secured for one or more records. The Ocean Retracking Quality Flag  Retrackers was not successfully secured for one or more records. The Ocean Retracking Quality Flag  Retrackers was not successfully secured for one or more records. The Ocean Retracking Quality Flag  Retrackers was not successfully secured for one or more records. The Ocean Retracking Quality Flag  Retrackers was not successfully secured for one or more records. The Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag is set inclinating the OFI Ocean Retracking Quality Flag is set inclinating the OFI Ocean Retracking Quality Flag is set inclinating the OFI Ocean Retracking Quality Flag is set inclinating the OFI Ocean Retracking Quality Flag is set inclinating the OFI Ocean Retracking Quality Flag is set inclinating the OFI Ocean Retracking Quality Flag is set inclinating the OFI Ocean Retracking Quality Flag is set inclinating the OFI Ocean Retracking Quality Flag is set inclinating the OFI Ocean Retracking Quality Flag is set inclinating the OFI Ocean Retracking Quality Flag is set inclinating the OFI Ocean Retracking Quality Flag is set inclinating the OFI Ocean Retracking Quality Flag is set inclinating the OFI Ocean Retracking Quality Flag is set inclinating the OFI Ocean Retracking Quality Flag is set inclinating the OFI Ocean Retracking Quality Flag is set inclinating the OFI Ocean Retracking Quality Flag is set inclinating the OFI Ocean Retracking Quality Flag is set inclinating the OFI Ocean Retracking Quality Flag is set inclinating the OFI Ocean Retracking Quality Flag is	CS OFFI SIR FDM 2 20160601T052638 20160601T055507 C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
Decem Retracking Quality Flag   Set indexices the for one on more excepts.			•
So, OFFL_SIR_PDM_2_20160001702402_0100001702403_0001  Ocean Retracking Quality Flag  Cocon Retracking Quality Flag  Retracking Quality Flag  Cocon Retracking Quality Flag  Retracking Quality Flag  Cocon Retracking Quality Flag  Retracking Qual	CS_OFFL_SIR_FDM_220160601T061645_20160601T063246_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
So. OFFL_SIR_FDM_2_2016000117090736_201600011109010_CO01  Ocean Retracking Quality Flag Coen Retracking Quality Flag Coen Retracking Quality Flag Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set i	CS_OFFL_SIR_FDM_220160601T072210_20160601T072453_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_201606011084532_20160601101001_C001  Osean Retracking Quality Filiag Retracking Quality Filiag is set indicating the CFI Ocean Retracking Quality Filiag is set indicating t	CS_OFFL_SIR_FDM_220160601T075903_20160601T080453_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20160601T104402_2010 Coean Retracking Quality Flag Ret	CS OFFI SID FDM 2 20160601T080736 20160601T083113 C001	Ocean Petracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
SQ.OFFL_SIR_FDM_2_201606011104203_201606011101002_c001  Ocean Retracking Quality Flag  The Ocean Retracking Wash Flag  The Ocean Retracking Quality Flag  The Ocean Retracking Quali			·
CS_OFFL_SIR_FDM_2_201600011102409_201600011101042_001  Ocean Retracking Quality Figs is cell indicating the CFI Ocean Retracking Quality Figs is cell indicating the	CS_OFFL_SIR_FDM_220160601T084533_20160601T091001_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_2_20160601T11740_20160601T113241_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag	CS_OFFL_SIR_FDM_220160601T094213_20160601T101002_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_2016001T111740_2016000T1113241_C001  Ocean Retracking Quality Flag The Ocean Retracking Qu	CS_OFFL_SIR_FDM_220160601T102450_20160601T104942_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20160601712006_20160601712006_C001  Ocean Retracking Quality Flag The Ocean Retracking Qua	CS OFFI SID FDM 2 20160604T414T40 20160604T412244 C004	Occan Batracking Quality Flag	
S_OFFL_SIR_FDM_2_20160601T122306_2016001T122304_C001  Ocean Retracking Quality Flag  The Ocean Retracking Plag is set indicating the CFI Ocean Retracking Quality Flag  Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag  The Ocean Retracking Duality Flag is set indicating the CFI Ocean Retracking Quality Flag  Retracker was not successfully executed for one or more records.  S_OFFL_SIR_FDM_2_20160601T124034_20160601T13051T_0001  Ocean Retracking Quality Flag  The Ocean Retracking Plag is set indicating the CFI Ocean Retracking Quality Flag  The Ocean Retrac	C3_OFFL_SIR_FDIW_2201000011111740_201000011113241_C001	Ocean Retracking Quality Flag	•
Segon Retracking Quality Fag Coean Retracking Quality Fag Coean Retracking Quality Fag Coean Retracking Quality Fag Coean Retracking Quality Fag Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. CS_OFFL_SIR_FDM_2_20160601T130511_2016060T130515_C001 Coean Retracking Quality Fag Coean Retracking Quality Fag Retracker was not successfully executed for one or more records. Retracker was not successfully executed for one or more records. CS_OFFL_SIR_FDM_2_20160601T134618_20160601T140549_C001 Coean Retracking Quality Fag Coean Retracking Quality Fag Retracker was not successfully executed for one or more records. CS_OFFL_SIR_FDM_2_20160601T144582_20160601T144252_C001 Coean Retracking Quality Fag Coean Retracking Quality Fag Retracker was not successfully executed for one or more records. CS_OFFL_SIR_FDM_2_20160601T144582_20160601T150700_C001 CS_OFFL_SIR_FDM_2_20160601T152230_20160601T154828_C001 CS_OFFL_SIR_FDM_2_20160601T155738_20160601T154828_C001 CS_OFFL_SIR_FDM_2_20160601T155738_20160601T154828_C001 CS_OFFL_SIR_FDM_2_20160601T163232_30160601T154619_C001 CS_OFFL_SIR_FDM_2_20160601T16428_20160601T164019_C001 CS_OFFL_SIR_FDM_2_20160601T170446_20160601T1707446_C0160601T1707446_C0160601T1707446_C0160601T1707446_C0160601T1707446_C0160601T1707446_C0160601T1707446_C0160601T1707446_C0160601T1707446_C0160601T1707446_C0160601T180812_C001 CS_OFFL_SIR_FDM_2_20160601T180812_C001 CS_OFFL_SIR_FDM_2_20160601T180812_C001 CS_OFFL_SIR_FDM_2_20160601T180812_C001 CS_OFFL_SIR_FDM_2_20160601T180812_C001 CS_OFFL_SIR_FDM_2_20160601T180812_C001 CS_OFFL_SIR_FDM_2_20160601T19087_C001 CS_OFFL_SIR_FDM_2_20160601T19087_C001 CS_OFFL_SIR_FDM_2_20160601T19087_C001 CS_OFFL_SIR_FDM_2_20160601T19087_C001 CS_OFFL_SIR_FDM_2_20160601T19087_C001 CS_OFFL_SIR_FDM_2_20160601T19087_C001 COEAN Retracking Quality Figi CS_OFFL_SIR_FDM_2_20160601T19087_C001 COEAN Retracking Quality Figi CS_OFFL_SIR_FDM_2_20160601T19087_C001 COEAN Retracking Quality Figi CS_OFFL_SIR_FDM_2_20160601T190	CS_OFFL_SIR_FDM_220160601T121208_20160601T122006_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
Ocean Retracking Quality Flag Retracking Quality Flag set indicating the CFI Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records.  Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag Retracking Qu	CS_OFFL_SIR_FDM_220160601T123106_20160601T123204_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20160601T132515_20160601T132755_C001  Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20160601T130521_20160601T140549_C001  Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20160601T144618_20160601T144525_C001  Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20160601T144538_20160601T150700_C001  Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20160601T144538_20160601T150700_C001  Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20160601T152230_20160601T155738_20160601T150700_C001  Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20160601T155738_20160601T163020_C001  Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20160601T163023_20160601T16401_C001  Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20160601T170446_20160601T171714_C001  Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20160601T170446_20160601T170410_C001  Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20160600T1780412_20160601T170410_C001  Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20160600T1780412_20160601T19047_C001  Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20160600T1780412_20160601T19047_C001  Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records.  CS_OFFL_SIR_FDM_2_20160600T1780412_20160601T204126_C00	CS_OFFL_SIR_FDM_220160601T124034_20160601T124125_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
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CS_OFFL_SIR_FDM_2_20160601T221456_20160601T214325_C001  CS_OFFL_SIR_FDM_2_20160601T221456_20160601T214325_C001  CS_OFFL_SIR_FDM_2_20160601T221456_20160601T222605_C001  CS_OFFL_SIR_FDM_2_20160601T221456_20160601T22605_C001  CS_OFFL_SIR_FDM_2_20160601T221456_20160601T22605_C001  CS_OFFL_SIR_FDM_2_20160601T221456_20160601T22605_C001  CS_OFFL_SIR_FDM_2_20160601T221456_20160601T22605_C001  CS_OFFL_SIR_FDM_2_20160601T221456_20160601T22605_C001  CS_OFFL_SIR_FDM_2_20160601T221456_20160601T22605_C001  CS_OFFL_SIR_FDM_2_20160601T22605_C00			•
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Retracker was not successfully executed for one or more records.	CS OFFI SIR FDM 2 20160601T225726 20160601T232341 C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
	55_5 E_5// 5// 5// E_25/1000011223/20_25/1000011232541_5001	South Retracting Quality I lay	Retracker was not successfully executed for one or more records.