

Report Production Date:

Processor Used:

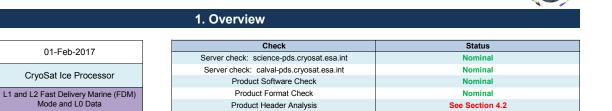
Data Used:

# IDEAS+ Daily Report for FDM data:

## <u>31/01/2017</u>

See Section 5.3

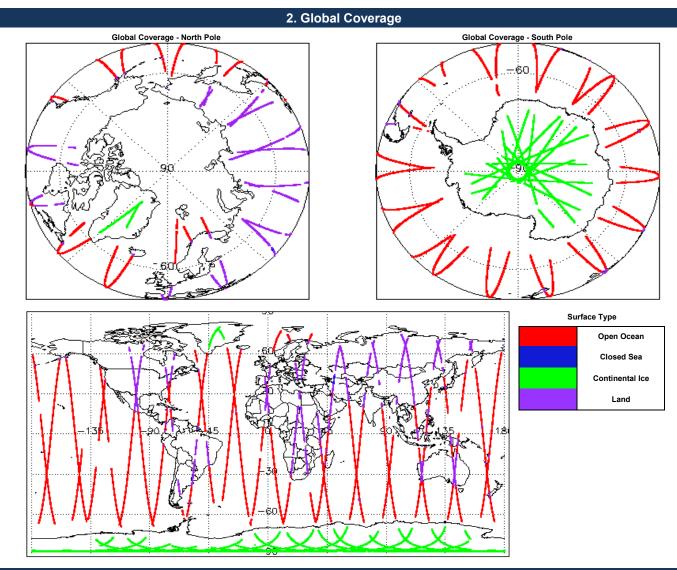
Nominal



		Auxiliary Data File Usage Check	Nominal
		Auxiliary Correction Error Check	See Section 6.4
		Measurement Confidence Data Check	See Section 5.7, 6.5, 6.6, 6.7 and 6.8
Mission / Instru	iment News		
30-Jan-2017	None		
31-Jan-2017	None		
01-Feb-2017	Nothing planned		

Star Tracker Usage Check

Calibration Usage Check



### 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).

0

Number of products with errors:

#### 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.

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Number of products with errors:

Product	Test Failed
CS_OPER_SIR1SAR_0_20170131T023443_20170131T023521_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_0_20170131T164213_20170131T164913_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_0_20170131T024809_20170131T025756_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020170131T192943_20170131T193032_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020170131T084206_20170131T084312_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020170131T205610_20170131T210303_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020170131T214457_20170131T214612_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020170131T224330_20170131T225411_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020170131T001651_20170131T002028_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020170131T015612_20170131T015931_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020170131T034348_20170131T034456_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 a	and/or errors raised by the ground-segment processing chain.
Number of products with errors: 0		
5.3 L1B FDM Star Tracker Usage Check		
5.5 ETB FDM Star Tracker Osage Check		
Each product is checked in order to ensure a valid star tracker file has been use	d in processing.	
Number of products with errors: 2		
Product	Test Failed	
CS_OFFL_SIR_FDM_1B_20170131T005810_20170131T005936_C001	No Star Tracker file used in the	processing of this product
CS_OFFL_SIR_FDM_1B_20170131T222841_20170131T223149_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 I	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 va	lidity 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	nt record. The bit value of this flag indicates a	any problems when set.
Number of products with errors: 0		
5.7 L1B FDM Measurement Confidence Data Check		
CryoSat L1B data includes a measurement confidence flag (field 18) for each me	easurement record. The bit value of this flag	ndicates any problems when set.
Number of products with errors: 3		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20170131T005810_20170131T005936_C001	Attitude correction missing	The attitude has not been corrected
	Faha ama TDK asha ama	The tracking echo has returned an error and the Rx1 Echo Error flag is set,

### 6. Level 2 FDM Data Quality Check

Echo error, TRK echo error

Attitude correction missing

indicating a degraded echo

The attitude has not been corrected

#### 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: 0

#### 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: 0

#### 6.3 L2 FDM Auxiliary Data File Usage Check

CS\_OFFL\_SIR\_FDM\_1B\_20170131T090838\_20170131T091752\_C001

CS\_OFFL\_SIR\_FDM\_1B\_20170131T222841\_20170131T223149\_C001

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

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

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Number of products with errors:

Product CS\_OFFL\_SIR\_FDM\_2\_\_20170130T234113\_20170131T001357\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T002746\_20170131T003350\_C001 CS OFFL SIR FDM 2 20170131T003735 20170131T004306 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T005706\_20170131T005740\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T011955\_20170131T015355\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T020643\_20170131T022629\_C001 CS OFFL SIR FDM 2 20170131T025756 20170131T033152 C001 CS OFFL SIR FDM 2 20170131T041457 20170131T042210 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T045538\_20170131T051127\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T054421\_20170131T055654\_C001 CS OFFL SIR FDM 2 20170131T055837 20170131T060056 C001 CS OFFL SIR FDM 2 20170131T061356 20170131T061459 C001 CS OFFL SIR FDM 2 20170131T062338 20170131T063309 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T070612\_20170131T070709\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T072920\_20170131T073310\_C001 CS OFFL SIR FDM 2 20170131T073326 20170131T073632 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T081242\_20170131T082935\_C001 CS OFFL SIR FDM 2 20170131T084312 20170131T090835 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T094320\_20170131T100909\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T103948\_20170131T105456\_C001 CS OFFL SIR FDM 2 20170131T111833 20170131T114847 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T120235\_20170131T123623\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T134118\_20170131T140348\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T140633\_20170131T141602\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T152644\_20170131T155231\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T161056\_20170131T161755\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T161818\_20170131T164213\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T170014\_20170131T171703\_C001 CS OFFL SIR FDM 2 20170131T171734 20170131T171806 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T172232\_20170131T172941\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T175108\_20170131T180645\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T181305\_20170131T182443\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T183933\_20170131T185434\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T185613\_20170131T190715\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T193303\_20170131T194012\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T194135\_20170131T194623\_C001 CS OFFL SIR FDM 2 20170131T194906 20170131T200534 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T201916\_20170131T204151\_C001 CS OFFL SIR FDM 2 20170131T212106 20170131T214439 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T214443\_20170131T214457\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T215741\_20170131T222534\_C001 CS OFFL SIR FDM 2 20170131T233709 20170131T235816 C001

Test Failed	Description
Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Correction for one or more records
Sea State Bias Correction, Altimetric	There is an error with the Altimetric
Wind Speed	Correction for one or more records
Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Correction for one or more records
Sea State Bias Correction, Altimetric	There is an error with the Altimetric
Wind Speed	Correction for one or more records
Sea State Bias Correction	There is an error with the Sea State records
Sea State Bias Correction, Altimetric	There is an error with the Altimetric
Wind Speed	Correction for one or more records
Sea State Bias Correction	There is an error with the Sea State records
One Otata Dian Onematica	There is an error with the Sea State
Sea State Bias Correction	records
Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Correction for one or more records
Sea State Bias Correction	There is an error with the Sea State
	records
Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Correction for one or more records
Sea State Bias Correction, Altimetric	There is an error with the Altimetric
Wind Speed	Correction for one or more records
Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Correction for one or more records
Sea State Bias Correction, Altimetric	There is an error with the Altimetric
Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric
Wind Speed	Correction for one or more records
Sea State Bias Correction, Altimetric	There is an error with the Altimetric
Wind Speed	Correction for one or more records There is an error with the Sea State
Sea State Bias Correction	records
Sea State Bias Correction	There is an error with the Sea State
Sea State Bias Correction, Altimetric	records There is an error with the Altimetric
Wind Speed	Correction for one or more records
Sea State Bias Correction	There is an error with the Sea State records
Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Correction for one or more records
Sea State Bias Correction, Altimetric	There is an error with the Altimetric
Wind Speed	Correction for one or more records
Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Correction for one or more records
Sea State Bias Correction, Altimetric	There is an error with the Altimetric
Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric
Wind Speed	Correction for one or more records
Sea State Bias Correction, Altimetric	There is an error with the Altimetric
Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric
Wind Speed	Correction for one or more records
Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Correction for one or more records
	There is an error with the Sea State
Sea State Bias Correction	records
Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Correction for one or more records
Sea State Bias Correction, Altimetric	There is an error with the Altimetric
Wind Speed	Correction for one or more records
Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Correction for one or more records
Sea State Bias Correction	There is an error with the Sea State records
Sea State Bias Correction, Altimetric	There is an error with the Altimetric
Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric
Wind Speed	Correction for one or more records
Sea State Bias Correction, Altimetric	There is an error with the Altimetric
Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric
Wind Speed	Correction for one or more records
Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Correction for one or more records
Sea State Bias Correction, Altimetric	There is an error with the Altimetric
Wind Speed	Correction for one or more records
Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Correction for one or more records
Sea State Bias Correction, Altimetric	There is an error with the Altimetric
Wind Speed	Correction for one or more records
Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric 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 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 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 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 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 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 records There is an error with the Altimetric Wind Speed and Sea State Bia 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

There is an error with the Altimetric Wind Speed and Sea State Bias

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 wit	1 errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220170131T005810_20170131T005936_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220170131T090838_20170131T091752_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220170131T222841_20170131T223149_C001	Attitude correction missing	The attitude has not been corrected

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: 22

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220170130T234113_20170131T001357_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_220170131T003735_20170131T004306_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_220170131T005706_20170131T005740_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_220170131T020643_20170131T022629_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_220170131T045538_20170131T051127_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_220170131T062338_20170131T063309_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_220170131T072920_20170131T073310_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_220170131T073326_20170131T073632_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_220170131T111833_20170131T114847_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_220170131T120235_20170131T123623_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_220170131T134118_20170131T140348_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_220170131T140633_20170131T141602_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_220170131T152644_20170131T155231_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_220170131T161056_20170131T161755_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_220170131T170014_20170131T171703_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_220170131T175108_20170131T180645_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_220170131T181305_20170131T182443_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_220170131T185613_20170131T190715_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_220170131T193303_20170131T194012_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_220170131T194135_20170131T194623_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_220170131T215741_20170131T222534_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_220170131T233709_20170131T235816_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

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Number of products with errors:

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.

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220170130T234113_20170131T001357_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_220170131T003735_20170131T004306_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_220170131T005706_20170131T005740_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_220170131T020643_20170131T022629_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_220170131T045538_20170131T051127_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_220170131T062338_20170131T063309_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_220170131T072920_20170131T073310_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_220170131T073326_20170131T073632_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_220170131T111833_20170131T114847_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_220170131T120235_20170131T123623_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_220170131T134118_20170131T140348_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_220170131T140633_20170131T141602_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_220170131T152644_20170131T155231_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_220170131T161056_20170131T161755_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_220170131T170014_20170131T171703_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_220170131T175108_20170131T180645_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_220170131T181305_20170131T182443_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_220170131T185613_20170131T190715_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_220170131T193303_20170131T194012_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_220170131T194135_20170131T194623_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_220170131T215741_20170131T222534_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_220170131T233709_20170131T235816_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:
48

Product CS\_OFFL\_SIR\_FDM\_2\_\_20170130T234113\_20170131T001357\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T003735\_20170131T004306\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T005706\_20170131T005740\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T011955\_20170131T015355\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T020643\_20170131T022629\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T023521\_20170131T023652\_C001 CS\_OFFL\_SIR\_FDM\_2\_20170131T025756\_20170131T033152\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T034733\_20170131T041441\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T043848\_20170131T044906\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T045347\_20170131T045533\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T045538\_20170131T051127\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T054421\_20170131T055654\_C001 CS OFFL SIR FDM 2 20170131T055837 20170131T060056 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T062338\_20170131T063309\_C001 CS OFFL SIR FDM 2 20170131T063545 20170131T065021 C001 CS OFFL SIR FDM 2 20170131T072509 20170131T072758 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T072920\_20170131T073310\_C001 CS OFFL SIR FDM 2 20170131T073326 20170131T073632 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T081242\_20170131T082935\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T084312\_20170131T090835\_C001 CS OFFL SIR FDM 2 20170131T094320 20170131T100909 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T102214\_20170131T103412\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T111833\_20170131T114847\_C001 CS\_OFFL\_SIR\_EDM\_2\_\_20170131T120235\_20170131T123623\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T125034\_20170131T125123\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T130113\_20170131T130234\_C001 CS OFFL SIR FDM 2 20170131T131752 20170131T131857 C001 CS OFFL SIR FDM 2 20170131T134118 20170131T140348 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170131T140633\_20170131T141602\_C001

Test Failed Ocean Retracking Quality Flag 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.

Description

CS_OFFL_SIR_FDM_220170131T143920_20170131T144422_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220170131T144752_20170131T145238_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220170131T152644_20170131T155231_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220170131T161056_20170131T161755_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220170131T161818_20170131T164213_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220170131T170014_20170131T171703_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220170131T171734_20170131T171806_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220170131T172232_20170131T172941_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220170131T175108_20170131T180645_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220170131T181305_20170131T182443_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220170131T183933_20170131T185434_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220170131T185613_20170131T190715_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220170131T193303_20170131T194012_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220170131T194135_20170131T194623_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220170131T201916_20170131T204151_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220170131T212106_20170131T214439_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220170131T215741_20170131T222534_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220170131T225411_20170131T230640_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220170131T233709_20170131T235816_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.

# 7. QCC Report Analysis

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

Product type	Nb. Products	Nb. QCC Reports	Nb. Valid	Nb. Warnings	Nb. Errors
SIR1LRM_0_	176	176	176	0	0
SIR1SAR_0_	130	130	130	0	0
SIR1SIN_0_	110	110	110	0	0
SIR2SIN_0_	116	116	116	0	0
SIR_FDM_1B	176	176	176	0	0
SIR_FDM_2	174	174	174	0	0
7.1 QCC Errors Number of QCC reports with e	rrors:	0			
7.2 QCC Warnings					

7.3	Missing	QCC	Reports
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Number of products with missing QCC reports:

0