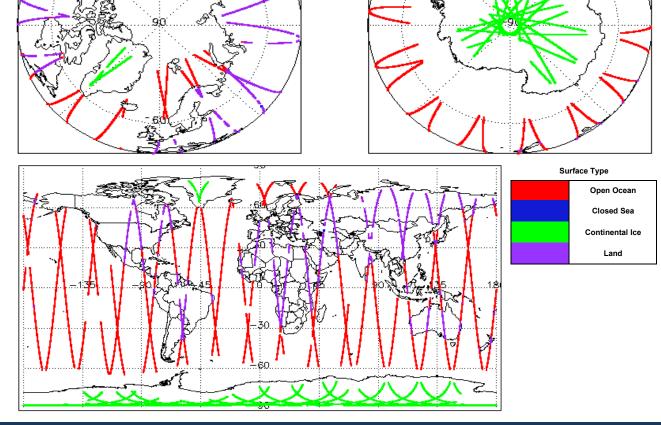


# IDEAS+ Daily Report for FDM data:

## <u>22/08/2017</u>

and Developedian Defer	00 Aug 0047	Check	Status
Report Production Date:	23-Aug-2017	Server check: science-pds.cryosat.esa.int	Nominal
Processor Used:	Cruc Cat las Dressessor	Server check: calval-pds.cryosat.esa.int	Nominal
Processor Used:	CryoSat Ice Processor	Product Software Check	Nominal
Data Used:	L1 and L2 Fast Delivery Marine (FDM)	Product Format Check	Nominal
	Mode and L0 Data	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

WISSION / INSU	unent News			
21-Aug-2017	None			
22-Aug-2017	None			
23-Aug-2017	Nothing planned			
2. Global Coverage				
	Global Coverage - North Pole	Global Coverage - South Pole		
	No AR			



## 3. Instrument Configuration

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

SIRAL instrument(s) in use:	SIRAL - A
Star Tracker(s) in use:	Star Tracker 1 & 2
Star Tracker(s) in use:	Star Tracker 1 & 2

4. Level 0 Data Quality Check

### 4.1 L0 Product Format Check

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

Number of products with errors:

0

4.2 L0 Product Header Analysis		
For all products, a series of pre-defined checks are carried out on the MPH and	d SPH in order to identify any inconsisten	cies and/or errors raised by the processing chain.
Number of products with errors: 3		
Product	Test Failed	
CS_OPER_SIR1SAR_0_20170822T074736_20170822T074849_0001.HDR		errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_0_20170822T050900_20170822T051302_0001.HDR CS_OPER_SIR1SIN_0_20170822T173700_20170822T174108_0001.HDR		errors detected greater than minimum acceptable threshold. errors detected greater than minimum acceptable threshold.
5. Le	vel 1B FDM Data Quality	/ Check
5.1 L1B FDM Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to e	ensure it consists of both an XML header	file (.HDR) and a binary product file (.DBL).
Number of products with errors: 0		
5.2 L1B FDM Product Header Analysis		
For all products, a series of pre-defined checks are carried out on the MPH and	d SPH in order to identify any inconsisten	cies and/or errors raised by the ground-segment processing chain.
Number of products with errors: 0		
5.3 L1B FDM Star Tracker Usage Check		
Each product is checked in order to ensure a valid star tracker file has been us	ed in processing	
Number of products with errors: 2	ed in processing.	
Product	Test Failed	
CS_OFFL_SIR_FDM_1B_20170822T120416_20170822T123603_C001		n the processing of this product
CS_OFFL_SIR_FDM_1B_20170822T141225_20170822T141326_C001	No Star Tracker file used ir	n 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 Number of products with errors: 0	been used in processing.	
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 t	he 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 measurem	ent record. The bit value of this flag indica	ates 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 r	neasurement record. The bit value of this	flag indicates any problems when set.
Number of products with errors: 5		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20170822T111440_20170822T112303_C001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is se indicating a degraded echo
CS_OFFL_SIR_FDM_1B_20170822T112306_20170822T114818_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 20170822T120416 20170822T123603 C001	Attitude correction missing	The attitude has not been corrected
CS OFFL SIR FDM 1B 20170822T141225 20170822T141326 C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20170822T203059_20170822T203231_C001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is se
00_011E_011C_1 BM_1B_201100221203030_201100221203201_0001		indicating a degraded echo
6. Le	evel 2 FDM Data Quality	Check
6.1 L2 FDM Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to e	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 Number of products with errors: 0	J SPH in order to identify any inconsistent	cies and/or errors raised by the ground-segment processing chain.
6.3 L2 FDM Auxiliary Data File Usage Check		
Each product is checked for missing Data Set Descriptors with respect to a pre-	e-determined baseline and also to check t	he validity of Auxiliary Data Files is correct.
Number of products with errors: 0		
6.4.1.2 EDM Auvilians Correction From Charle		
6.4 L2 FDM Auxiliary Correction Error Check		
Each product is checked to detect auxiliary corrections flagged by the ground-s	tation processing chain as missing or cor	ntaining errors.
Number of products with errors: 39		
Product CS_OFFL_SIR_FDM_2_20170822T002752_20170822T003838_C001	Test Failed Sea State Bias Correction	Description There is an error with the Sea State Bias Correction for one or more records

CS\_OFFL\_SIR\_FDM\_2\_\_20170822T011546\_20170822T012104\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170822T014657\_20170822T015116\_C001 CS OFFL SIR FDM 2 20170822T020832 20170822T024039 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170822T034708\_20170822T040815\_C001 CS OFFL SIR FDM 2 20170822T041101 20170822T042235 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170822T052629\_20170822T060246\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170822T062227\_20170822T064639\_C001 CS OFFL SIR FDM 2 20170822T070543 20170822T072132 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170822T072136\_20170822T073356\_C001 CS OFFL SIR FDM 2 20170822T081733 20170822T082758 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170822T084505\_20170822T085901\_C001 CS OFFL SIR FDM 2 20170822T093404 20170822T093608 C001 CS OFFL SIR FDM 2 20170822T093731 20170822T094035 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170822T094052\_20170822T094440\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170822T094603\_20170822T100839\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170822T102445\_20170822T104559\_C001 CS OFFL SIR FDM 2 20170822T105854 20170822T105952 C001 CS OFFL SIR FDM 2 20170822T112306 20170822T114818 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170822T120416\_20170822T123603\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170822T123603\_20170822T123954\_C001 CS OFFL SIR FDM 2 20170822T131644 20170822T132620 C001 CS OFFL SIR FDM 2 20170822T134319 20170822T140714 C001 CS OFFL SIR FDM 2 20170822T141906 20170822T142035 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170822T143232\_20170822T150553\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170822T152512\_20170822T152831\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170822T152939\_20170822T153701\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170822T162403\_20170822T164507\_C001 CS OFFL SIR FDM 2 20170822T171426 20170822T172143 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170822T172238\_20170822T172659\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170822T173612\_20170822T173624\_C001 CS OFFL SIR FDM 2 20170822T174906 20170822T182408 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170822T193455\_20170822T194635\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170822T194839\_20170822T200321\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170822T202039\_20170822T202828\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170822T203712\_20170822T205326\_C001 CS OFFL SIR FDM 2 20170822T212803 20170822T214155 C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170822T215817\_20170822T223241\_C001 CS\_OFFL\_SIR\_FDM\_2\_\_20170822T225826\_20170822T232048\_C001 Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction, Mean Sea Surface height, Altimetric Wind Speed Sea State Bias Correctior 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 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, 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 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, the Sea State Bias Correction and the Mean Sea Surface Height 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 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 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 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

#### 6.5 L2 FDM Measurement Confidence Data Check

CryoSat L2 data includes a measurement confidence flag (field 8) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.
Number of products with errors: 5

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220170822T111440_20170822T112303_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220170822T112306_20170822T114818_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220170822T120416_20170822T123603_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220170822T141225_20170822T141326_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220170822T203059_20170822T203231_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: 26

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220170822T011546_20170822T012104_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_220170822T041101_20170822T042235_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_220170822T052629_20170822T060246_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_220170822T070543_20170822T072132_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_220170822T072136_20170822T073356_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_220170822T084505_20170822T085901_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_220170822T093404_20170822T093608_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_220170822T093731_20170822T094035_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_220170822T094052_20170822T094440_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_220170822T094603_20170822T100839_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_220170822T102445_20170822T104559_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_220170822T105854_20170822T105952_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_220170822T112306_20170822T114818_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_220170822T120416_20170822T123603_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_220170822T123603_20170822T123954_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_220170822T134319_20170822T140714_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_220170822T143232_20170822T150553_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_220170822T162403_20170822T164507_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_220170822T171426_20170822T172143_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_220170822T172238_20170822T172659_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_220170822T174906_20170822T182408_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_220170822T193455_20170822T194635_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_220170822T194839_20170822T200321_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_220170822T202039_20170822T202828_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_220170822T203712_20170822T205326_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_220170822T215817_20170822T223241_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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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.

1	Numbe	r of	produc	ts with	errors:	

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220170822T011546_20170822T012104_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_220170822T041101_20170822T042235_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_220170822T052629_20170822T060246_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_220170822T070543_20170822T072132_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_220170822T072136_20170822T073356_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_220170822T084505_20170822T085901_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_220170822T093404_20170822T093608_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_220170822T093731_20170822T094035_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_220170822T094052_20170822T094440_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_220170822T094603_20170822T100839_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_220170822T102445_20170822T104559_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_220170822T105854_20170822T105952_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_220170822T112306_20170822T114818_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_220170822T120416_20170822T123603_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_220170822T123603_20170822T123954_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_220170822T134319_20170822T140714_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_220170822T143232_20170822T150553_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_220170822T162403_20170822T164507_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_220170822T171426_20170822T172143_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_220170822T172238_20170822T172659_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_220170822T174906_20170822T182408_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_220170822T193455_20170822T194635_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_220170822T194839_20170822T200321_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_220170822T202039_20170822T202828_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_220170822T203712_20170822T205326_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_220170822T215817_20170822T223241_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:
 43

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220170822T004415_20170822T005949_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_220170822T011546_20170822T012104_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_220170822T012310_20170822T014502_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_220170822T020832_20170822T024039_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_220170822T031406_20170822T032323_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_220170822T034708_20170822T040815_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_220170822T041101_20170822T042235_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_220170822T043149_20170822T043634_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_220170822T052629_20170822T060246_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_220170822T062227_20170822T064639_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_220170822T070543_20170822T072132_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_220170822T072136_20170822T073356_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_220170822T075532_20170822T081113_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_220170822T081733_20170822T082758_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_220170822T084505_20170822T085901_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_220170822T090041_20170822T090648_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_220170822T093404_20170822T093608_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_220170822T093731_20170822T094035_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_220170822T094052_20170822T094440_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_220170822T094603_20170822T100839_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_220170822T102445_20170822T104559_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.

CS_OFFL_SIR_FDM_2_20170822T112306_20170822T11481B_C001         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag         Retracki	CS_OFFL_SIR_FDM_220170822T105854_20170822T105952_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.
US_0FH_SiR_FDM_2_20170822T12303_0170822T123095_001       Ocean Retracking Quality Flag       Retracker was not successfully executed for one or more necords.         CS_0FFL_SIR_FDM_2_20170822T12303_0170822T1130166_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more necords.         CS_0FFL_SIR_FDM_2_20170822T1130186_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 necords.         CS_0FFL_SIR_FDM_2_20170822T1133108_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set	CS_OFFL_SIR_FDM_220170822T112306_20170822T114818_C001	Ocean Retracking Quality Flag	
US_OFFL_SIR_FDM_2_20170822T125634_20170822T125634_20170822T13108_C001       Ocean Retracking Quality Flag       Retracker was not successfully executed for one or more records.         CS_OFFL_SIR_FDM_2_20170822T125634_20170822T13108_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.         CS_OFFL_SIR_FDM_2_20170822T134319_20170822T150553_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicat	CS_OFFL_SIR_FDM_220170822T120416_20170822T123603_C001	Ocean Retracking Quality Flag	
US_0FFL_SIR_FDM_2_20170822T136304_20170822T13100_0001       Ocean Retracking Quality Flag       Retracker was not successfully executed for one or more records.         CS_0FFL_SIR_FDM_2_20170822T134319_20170822T140714_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag         CS_0FFL_SIR_FDM_2_20170822T153701_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag         CS_0FFL_SIR_FDM_2_20170822T155546_20170822T160007_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag         CS_0FFL_SIR_FDM_2_20170822T160043_20170822T160007_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag         CS_0FFL_SIR_FDM_2_20170822T160043_20170822T162117_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag         CS_0FFL_SIR_FDM_2_20170822T162403_20170822T162407_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI	CS_OFFL_SIR_FDM_220170822T123603_20170822T123954_C001	Ocean Retracking Quality Flag	
CS_OFL_SIR_FDM_2_201708221134319_201708221140474_C001         Ocean Retracking Quality Flag         Retracker was not successfully executed for one or more records.           CS_OFFL_SIR_FDM_2_201708221143232_201708221150533_C001         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.           CS_OFFL_SIR_FDM_2_201708221152939_201708221155046_201708221162001         Ocean Retracking Quality Flag         Retracker was not successfully executed for one or more records.           CS_OFFL_SIR_FDM_2_201708221162043_201708221162117_C001         Ocean Retracking Quality Flag         Retracker was not successfully executed for one or more records.           CS_OFFL_SIR_FDM_2_201708221162403_201708221164507_C001         Ocean Retracking Quality Flag         Retracker was not successfully executed for one or more records.           CS_OFFL_SIR_FDM_2_201708221171426_201708221172143_C001         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.           CS_OFFL_SIR_FDM_2_201708221171426_201708221172143_C001         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI 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_220170822T125634_20170822T131108_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20170822119239_201708221193055_0001       Ocean Retracking Quality Flag       Retracker was not successfully executed for one or more records.         CS_OFFL_SIR_FDM_2_201708221152939_201708221163701_C001       Ocean Retracking Quality Flag       Retracker was not successfully executed for one or more records.         CS_OFFL_SIR_FDM_2_201708221162007_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag	CS_OFFL_SIR_FDM_220170822T134319_20170822T140714_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20170822115293_201708221153701_0001         Ocean Retracking Quality Flag         Retracker was not successfully executed for one or more records.           CS_OFFL_SIR_FDM_2_20170822T165546_20170822T16007_C001         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag is set indicating the CFI Oc	CS_OFFL_SIR_FDM_220170822T143232_20170822T150553_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_201708221150207         Ocean         Retracking Quality Flag         Retracker was not successfully executed for one or more records.           CS_OFFL_SIR_FDM_2_20170822T162403_20170822T162117_C001         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.           CS_OFFL_SIR_FDM_2_20170822T174906_20170822T182408_C001         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CF	CS_OFFL_SIR_FDM_220170822T152939_20170822T153701_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_201708221162403_201708221162407_C001       Ocean Retracking Quality Flag       Retracker was not successfully executed for one or more records.         CS_OFFL_SIR_FDM_2_20170822T162403_20170822T164507_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag         CS_OFFL_SIR_FDM_2_20170822T171426_20170822T17243_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicat	CS_OFFL_SIR_FDM_220170822T155546_20170822T160007_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20170822T182403_20170822T182405_C001         Ocean Retracking Quality Flag         Retracker was not successfully executed for one or more records.           CS_OFFL_SIR_FDM_2_20170822T1712659_C001         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retrackin	CS_OFFL_SIR_FDM_220170822T160843_20170822T162117_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20170822117245_20170822117243_C001       Ocean Retracking Quality Flag       Retracker was not successfully executed for one or more records.         CS_OFFL_SIR_FDM_2_20170822T172238_20170822T172659_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag         CS_OFFL_SIR_FDM_2_20170822T174906_20170822T182408_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag         CS_OFFL_SIR_FDM_2_20170822T184315_20170822T18546_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.         CS_OFFL_SIR_FDM_2_20170822T192726_20170822T193340_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.         CS_OFFL_SIR_FDM_2_20170822T19345_20170822T193340_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.         CS_OFFL_SIR_FDM_2_20170822T194839_20170822T200321_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.         CS_OFFL_SIR_FDM_2_20170822T194839_20170822T202828_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is	CS_OFFL_SIR_FDM_220170822T162403_20170822T164507_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_201708221172238_201708221172659_C001Ocean Retracking Quality FlagRetracker was not successfully executed for one or more records.CS_OFFL_SIR_FDM_2_201708221174906_201708221182408_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality FlagCS_OFFL_SIR_FDM_2_201708221184315_201708221185546_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.CS_OFFL_SIR_FDM_2_201708221192726_201708221193340_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.CS_OFFL_SIR_FDM_2_201708221193455_201708221194635_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.CS_OFFL_SIR_FDM_2_201708221194839_201708221200321_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.CS_OFFL_SIR_FDM_2_20170822120239_201708221200321_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.CS_OFFL_SIR_FDM_2_20170822120239_201708221202326_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.CS_OFFL_SIR_FDM_2_201708221203712_201708221203712_20170822120336_C001Ocean Retrack	CS_OFFL_SIR_FDM_220170822T171426_20170822T172143_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20170822T174906_20170822T18546_C001       Ocean Retracking Quality Flag       Retracker was not successfully executed for one or more records.         CS_OFFL_SIR_FDM_2_20170822T184315_20170822T185546_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.         CS_OFFL_SIR_FDM_2_20170822T192726_20170822T193340_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.         CS_OFFL_SIR_FDM_2_20170822T193455_20170822T194635_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.         CS_OFFL_SIR_FDM_2_20170822T194839_20170822T194635_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.         CS_OFFL_SIR_FDM_2_20170822T194839_20170822T200321_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag         CS_OFFL_SIR_FDM_2_20170822T2039_20170822T202828_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.         CS_OFFL_SIR_FDM_2_20170822T203712_20170822T20326_C001	CS_OFFL_SIR_FDM_220170822T172238_20170822T172659_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20170822T194315_20170822T193340_C001       Ocean Retracking Quality Flag       Retracker was not successfully executed for one or more records.         CS_OFFL_SIR_FDM_2_20170822T193245_20170822T193340_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag         CS_OFFL_SIR_FDM_2_20170822T193455_20170822T194635_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.         CS_OFFL_SIR_FDM_2_20170822T194839_20170822T200321_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.         CS_OFFL_SIR_FDM_2_20170822T20239_20170822T202328_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.         CS_OFFL_SIR_FDM_2_20170822T203712_20170822T205326_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.         CS_OFFL_SIR_FDM_2_20170822T215817_20170822T203346_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.         CS_OFFL_SIR_FDM_2_20170822T215817_20170822T23241_C0	CS_OFFL_SIR_FDM_220170822T174906_20170822T182408_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20170822T192726_20170822T193450_C001       Ocean Retracking Quality Flag       Retracker was not successfully executed for one or more records.         CS_OFFL_SIR_FDM_2_20170822T193455_20170822T194635_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag         CS_OFFL_SIR_FDM_2_20170822T194839_20170822T200321_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag         CS_OFFL_SIR_FDM_2_20170822T20239_20170822T202828_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag         CS_OFFL_SIR_FDM_2_20170822T203712_20170822T203526_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.         CS_OFFL_SIR_FDM_2_20170822T215817_20170822T223241_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.         CS_OFFL_SIR_FDM_2_20170822T215817_20170822T232448_C001       Ocean R	CS_OFFL_SIR_FDM_220170822T184315_20170822T185546_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_20170822T193355_20170822T194635_C001       Ocean Retracking Quality Flag       Retracker was not successfully executed for one or more records.         CS_OFFL_SIR_FDM_2_20170822T194839_20170822T200321_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.         CS_OFFL_SIR_FDM_2_20170822T202039_20170822T202828_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.         CS_OFFL_SIR_FDM_2_20170822T203712_20170822T205326_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Plag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.         CS_OFFL_SIR_FDM_2_20170822T215817_20170822T203241_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.         CS_OFFL_SIR_FDM_2_20170822T215817_20170822T223241_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.         CS_OFFL_SIR_FDM_2_20170822T215817_20170822T223244_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Oc	CS_OFFL_SIR_FDM_220170822T192726_20170822T193340_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_201708221194839_201708221200321_C001       Ocean Retracking Quality Flag       Retracker was not successfully executed for one or more records.         CS_OFFL_SIR_FDM_2_20170822T202039_20170822T202828_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag         CS_OFFL_SIR_FDM_2_20170822T203712_20170822T205326_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag         CS_OFFL_SIR_FDM_2_20170822T205312_20170822T205326_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.         CS_OFFL_SIR_FDM_2_20170822T215817_20170822T223241_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.         CS_OFFL_SIR_FDM_2_20170822T215817_20170822T223244_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_220170822T193455_20170822T194635_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_201708221202039_201708221202828_C001       Ocean Retracking Quality Flag       Retracker was not successfully executed for one or more records.         CS_OFFL_SIR_FDM_2_20170822T203712_20170822T205326_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag         CS_OFFL_SIR_FDM_2_20170822T215817_20170822T223241_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.         CS_OFFL_SIR_FDM_2_20170822T215817_20170822T223241_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Executed for one or more records.         CS_OFFL_SIR_FDM_2_20170822T215817_20170822T223244_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_220170822T194839_20170822T200321_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2_201708221203712_201708221205326_C001 Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. CS_OFFL_SIR_FDM_2_20170822T215817_20170822T223241_C001 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20170822T25826_20170822T223244_C001 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20170822T25826_20170822T23244_C001 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20170822T25826_20170827T23244_C001 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20170827T25826_20170827T23244_C001 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20170827T25846_20170827T23244_C001 Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20170827T25846_20170827T25846_2017087T27846_20	CS_OFFL_SIR_FDM_220170822T202039_20170822T202828_C001	Ocean Retracking Quality Flag	
CS_OFFL_SIR_FDM_2201708221215817_201708221223241_C001 Ocean Retracking Quality Flag Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean	CS_OFFL_SIR_FDM_220170822T203712_20170822T205326_C001	Ocean Retracking Quality Flag	<b>o</b> , <b>o o</b>
	CS_OFFL_SIR_FDM_220170822T215817_20170822T223241_C001	Ocean Retracking Quality Flag	
	CS_OFFL_SIR_FDM_220170822T225826_20170822T232048_C001	Ocean Retracking Quality Flag	

## 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_	134	134	134	0	0
SIR1SAR_0_	106	106	106	0	0
SIR1SIN_0_	110	110	110	0	0
SIR2SIN_0_	102	101	101	0	0
SIR_FDM_1B	134	134	134	0	0
SIR_FDM_2	134	134	134	0	0

7.1 QCC Errors	
Number of QCC reports with errors:	0
7.2 QCC Warnings	
Number of QCC reports with warnings	0
7.3 Missing QCC Reports	
Number of products with missing QCC reports:	1