



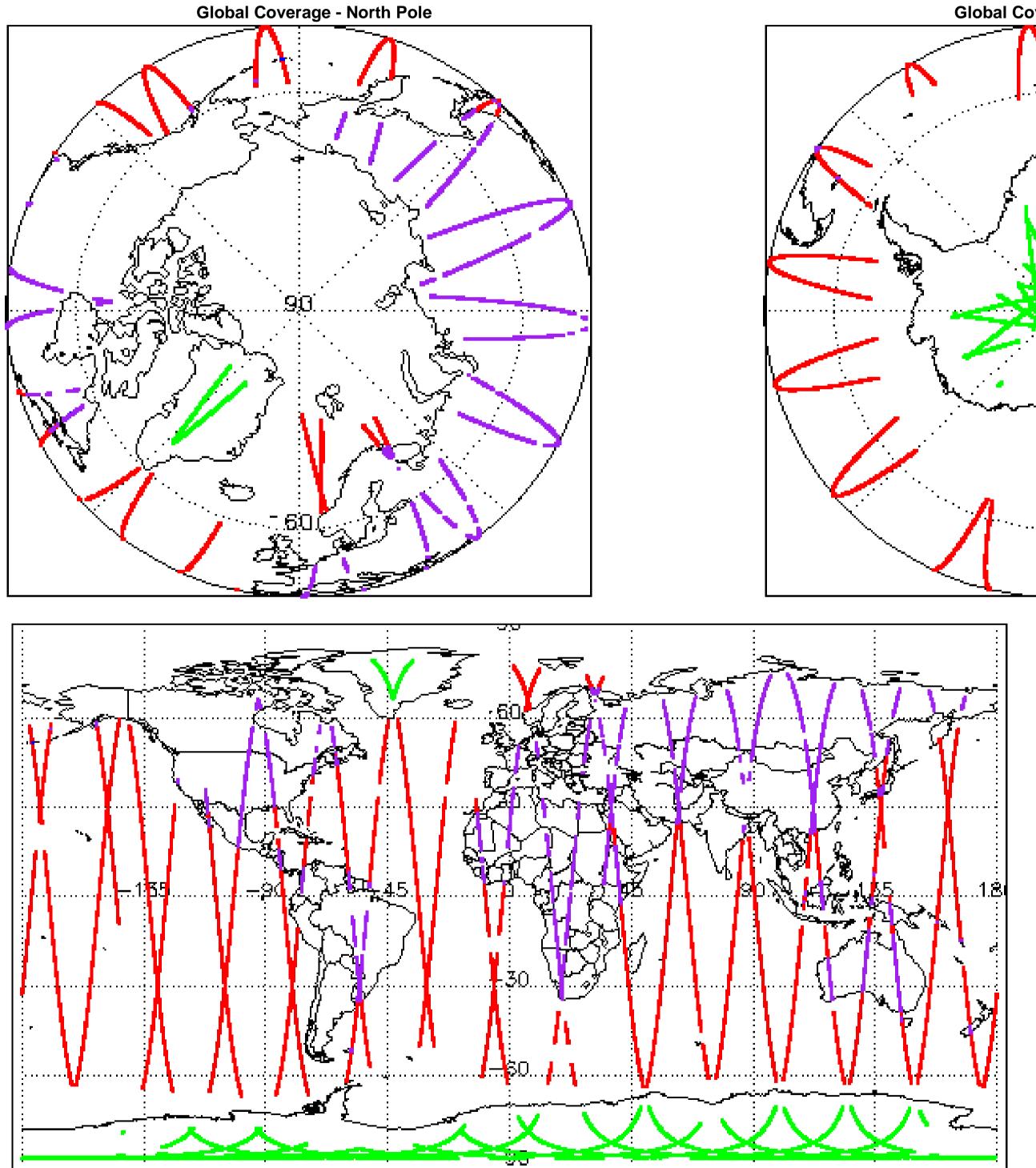
# 1. Overview

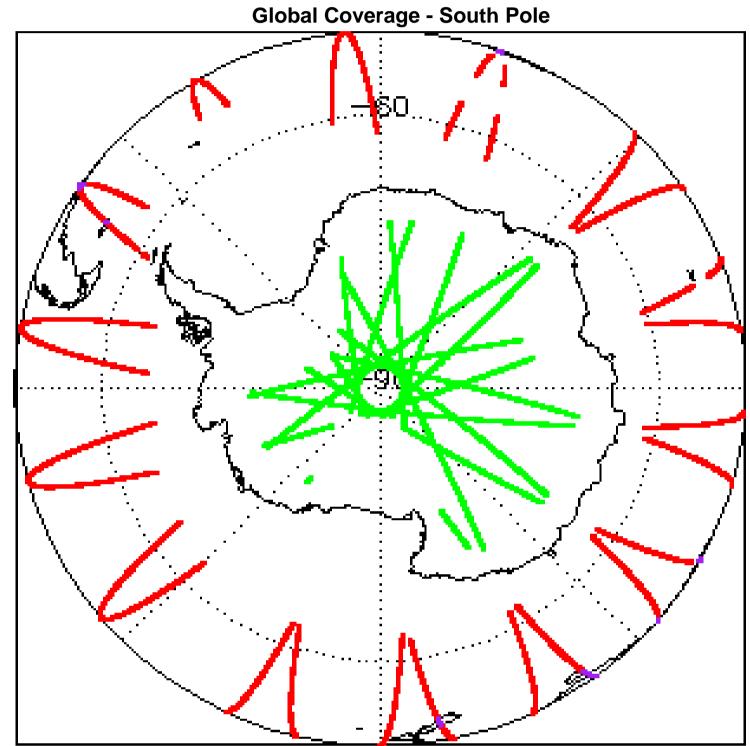
<b>Report Production Date:</b>	01-Jun-2020	
Processor Used:	CryoSat Ice Processor	
Data Used:	L1 and L2 Fast Delivery Marine (FDM) Mode and L0 Data	

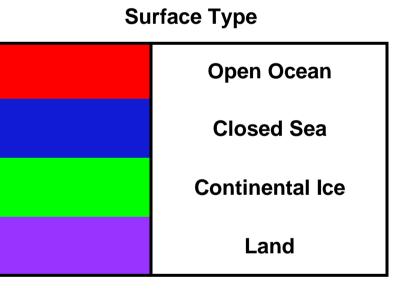
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2, 5.2 and 6.2
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check	Nominal
Auxiliary Data File Usage Check	Nominal
Auxiliary Correction Error Check	See Section 6.4
Measurement Confidence Data Check	See Section 5.7, 6.5, 6.6, 6.7 and 6.8

Mission / Instru	Mission / Instrument News		
29-May-2020	None		
30-May-2020	None		
31-May-2020	Nothing planned		

# 2. Global Coverage







### **3. Instrument Configuration**

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

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

# 4. Level 0 Data Quality Check

### 4.1 L0 Product Format Check

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

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.

Number of products with errors:

ProductTest FailedCS\_OPER\_SIR1SAR\_0\_20200530T015657\_20200530T020655\_0001.HDRPercentage of processing errors detected greater than minimum acceptable threshold.CS\_OPER\_SIR1SAR\_0\_20200530T042343\_20200530T043042\_0001.HDRPercentage of processing errors detected greater than minimum acceptable threshold.CS\_OPER\_SIR1SAR\_0\_20200530T083746\_20200530T084427\_0001.HDRPercentage of processing errors detected greater than minimum acceptable threshold.CS\_OPER\_SIR1SAR\_0\_20200530T130012\_20200530T130210\_0001.HDRPercentage of processing errors detected greater than minimum acceptable threshold.CS\_OPER\_SIR2SIN\_0\_20200530T005548\_20200530T005654\_0001.HDRPercentage of processing errors detected greater than minimum acceptable threshold.CS\_OPER\_SIR2SIN\_0\_20200530T214154\_20200530T214648\_0001.HDRPercentage of processing errors detected greater than minimum acceptable threshold.CS\_OPER\_SIR2SIN\_0\_20200530T214154\_20200530T214648\_0001.HDRPercentage 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:

0

6

### **5.2 L1B FDM Product Header Analysis**

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

Number of products with errors:

<b>Q</b>	
0	

Product	Test Failed
CS_OFFL_SIR_FDM_1B_20200530T101006_20200530T101322_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200530T101322_20200530T101519_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200530T114940_20200530T115031_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200530T115031_20200530T115047_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).

CS_OFFL_SIR_FDM_1B_20200530T132905_20200530T132935_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200530T132935_20200530T132955_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200530T165228_20200530T165509_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20200530T165509_20200530T165608_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).

### **5.3 L1B FDM Star Tracker Usage Check**

Each product is checked in order to ensure a valid star tracker file has been used in processing.

4

Number of products with errors:

Product	Test Failed
CS_OFFL_SIR_FDM_1B_20200530T101006_20200530T101322_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20200530T114940_20200530T115031_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20200530T132905_20200530T132935_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20200530T165228_20200530T165509_C001	No Star Tracker file used in the processing of this product

### 5.4 L1B FDM Calibration Usage Check

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

0

0

0

Number of products with errors:

### 5.5 L1B FDM Auxilary Data File Usage Check

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

Number of products with errors:

### 5.6 L1B FDM Auxiliary Correction Error Check

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

Number of products with errors:

### 5.7 L1B FDM Measurement Confidence Data Check

CryoSat L1B data includes a measurement confidence flag (field 18) for each measurement record. The bit value of this flag indicates any problems when set.

### Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20200530T101006_20200530T101322_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20200530T114940_20200530T115031_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20200530T132905_20200530T132935_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20200530T165228_20200530T165509_C001	Attitude correction missing	The attitude has not been corrected

### 6. Level 2 FDM Data Quality Check

### 6.1 L2 FDM Product Format Check

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

Number of products with errors:

0

39

### 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:

Product	Test Failed
CS_OFFL_SIR_FDM_220200530T003059_20200530T003238_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200530T003506_20200530T003859_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200530T012336_20200530T014512_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200530T021725_20200530T021853_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200530T022919_20200530T023407_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200530T025155_20200530T025604_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200530T030256_20200530T030812_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200530T033736_20200530T033926_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200530T060550_20200530T060608_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200530T062129_20200530T062804_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200530T065402_20200530T065835_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200530T071536_20200530T071744_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200530T071914_20200530T072142_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200530T073115_20200530T074640_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220200530T083033_20200530T083047_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS OFEL SIR EDM 2 20200530T084918 20200530T085009 C001 DBI	EOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV)

CS\_OFFL\_SIR\_FDM\_2\_\_20200530T084918\_20200530T085009\_C001.DBL CS\_OFFL\_SIR\_FDM\_2\_\_20200530T092904\_20200530T093054\_C001.DBL CS\_OFFL\_SIR\_FDM\_2\_\_20200530T101006\_20200530T101322\_C001.DBL CS\_OFFL\_SIR\_FDM\_2\_\_20200530T101322\_20200530T101519\_C001.DBL CS\_OFFL\_SIR\_FDM\_2\_\_20200530T113821\_20200530T114034\_C001.DBL CS\_OFFL\_SIR\_FDM\_2\_\_20200530T114940\_20200530T115031\_C001.DBL CS\_OFFL\_SIR\_FDM\_2\_\_20200530T115031\_20200530T115047\_C001.DBL CS\_OFFL\_SIR\_FDM\_2\_\_20200530T131342\_20200530T131344\_C001.DBL CS\_OFFL\_SIR\_FDM\_2\_\_20200530T132845\_20200530T132854\_C001.DBL CS\_OFFL\_SIR\_FDM\_2\_\_20200530T132905\_20200530T132935\_C001.DBL CS\_OFFL\_SIR\_FDM\_2\_\_20200530T132935\_20200530T132955\_C001.DBL CS\_OFFL\_SIR\_FDM\_2\_\_20200530T134920\_20200530T135818\_C001.DBL CS\_OFFL\_SIR\_FDM\_2\_\_20200530T143024\_20200530T143430\_C001.DBL CS\_OFFL\_SIR\_FDM\_2\_\_20200530T162014\_20200530T165038\_C001.DBL CS\_OFFL\_SIR\_FDM\_2\_\_20200530T165228\_20200530T165509\_C001.DBL CS\_OFFL\_SIR\_FDM\_2\_\_20200530T165509\_20200530T165608\_C001.DBL CS\_OFFL\_SIR\_FDM\_2\_\_20200530T174832\_20200530T174844\_C001.DBL CS\_OFFL\_SIR\_FDM\_2\_\_20200530T182720\_20200530T182903\_C001.DBL CS\_OFFL\_SIR\_FDM\_2\_\_20200530T195903\_20200530T200735\_C001.DBL CS\_OFFL\_SIR\_FDM\_2\_\_20200530T201011\_20200530T201045\_C001.DBL CS\_OFFL\_SIR\_FDM\_2\_\_20200530T202139\_20200530T202810\_C001.DBL CS\_OFFL\_SIR\_FDM\_2\_\_20200530T203540\_20200530T203606\_C001.DBL CS\_OFFL\_SIR\_FDM\_2\_\_20200530T210306\_20200530T210640\_C001.DBL CS\_OFFL\_SIR\_FDM\_2\_\_20200530T234944\_20200530T235318\_C001.DBL FOS Predicted Orbit (MPL\_ORBPRE) used instead of the DORIS Navigator Orbit (DOR\_NAV). FOS Predicted Orbit (MPL\_ORBPRE) used instead of the DORIS Navigator Orbit (DOR\_NAV). FOS Predicted Orbit (MPL\_ORBPRE) used instead of the DORIS Navigator Orbit (DOR\_NAV). FOS Predicted Orbit (MPL\_ORBPRE) used instead of the DORIS Navigator Orbit (DOR\_NAV). FOS Predicted Orbit (MPL\_ORBPRE) used instead of the DORIS Navigator Orbit (DOR\_NAV). FOS Predicted Orbit (MPL\_ORBPRE) used instead of the DORIS Navigator Orbit (DOR\_NAV). FOS Predicted Orbit (MPL\_ORBPRE) used instead of the DORIS Navigator Orbit (DOR\_NAV). FOS Predicted Orbit (MPL\_ORBPRE) used instead of the DORIS Navigator Orbit (DOR\_NAV). FOS Predicted Orbit (MPL\_ORBPRE) used instead of the DORIS Navigator Orbit (DOR\_NAV). FOS Predicted Orbit (MPL\_ORBPRE) used instead of the DORIS Navigator Orbit (DOR\_NAV). FOS Predicted Orbit (MPL\_ORBPRE) used instead of the DORIS Navigator Orbit (DOR\_NAV). FOS Predicted Orbit (MPL\_ORBPRE) used instead of the DORIS Navigator Orbit (DOR\_NAV). FOS Predicted Orbit (MPL\_ORBPRE) used instead of the DORIS Navigator Orbit (DOR\_NAV). FOS Predicted Orbit (MPL\_ORBPRE) used instead of the DORIS Navigator Orbit (DOR\_NAV). FOS Predicted Orbit (MPL\_ORBPRE) used instead of the DORIS Navigator Orbit (DOR\_NAV). FOS Predicted Orbit (MPL\_ORBPRE) used instead of the DORIS Navigator Orbit (DOR\_NAV). FOS Predicted Orbit (MPL\_ORBPRE) used instead of the DORIS Navigator Orbit (DOR\_NAV). FOS Predicted Orbit (MPL\_ORBPRE) used instead of the DORIS Navigator Orbit (DOR\_NAV). FOS Predicted Orbit (MPL\_ORBPRE) used instead of the DORIS Navigator Orbit (DOR\_NAV). FOS Predicted Orbit (MPL\_ORBPRE) used instead of the DORIS Navigator Orbit (DOR\_NAV). FOS Predicted Orbit (MPL\_ORBPRE) used instead of the DORIS Navigator Orbit (DOR\_NAV). FOS Predicted Orbit (MPL\_ORBPRE) used instead of the DORIS Navigator Orbit (DOR\_NAV). FOS Predicted Orbit (MPL\_ORBPRE) used instead of the DORIS Navigator Orbit (DOR\_NAV). FOS Predicted Orbit (MPL\_ORBPRE) used instead of the DORIS Navigator Orbit (DOR\_NAV).

### 6.3 L2 FDM Auxiliary Data File Usage Check

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

Number of products with errors:

#### 0

### 6.4 L2 FDM Auxiliary Correction Error Check

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

#### Number of products with errors:

Product	Test Failed	Description
CS OFFE STR FDM 2 202005291234405 202005301001758 C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
		There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS (DEEL SIR EDM 2 202005301010652 202005301010839 C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS (JEEL SIR EDIVEZ 202005301014758 2020053010156666 CO01		There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS OFFE STR FDM 2 202005301022919 202005301023407 C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records

CS_OFFL_SIR_FDM_220200530T030256_20200530T030812_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200530T030822_20200530T031352_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200530T031615_20200530T033450_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200530T044214_20200530T044853_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200530T044859_20200530T045812_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200530T055434_20200530T060535_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200530T063954_20200530T065300_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200530T071536_20200530T071744_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200530T072305_20200530T072618_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200530T073115_20200530T074640_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200530T080058_20200530T082326_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200530T084918_20200530T085009_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200530T090246_20200530T092539_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200530T103815_20200530T110428_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200530T111849_20200530T113819_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200530T114039_20200530T114313_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200530T115511_20200530T115540_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200530T120938_20200530T124329_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200530T125813_20200530T130012_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200530T130211_20200530T130357_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200530T133306_20200530T133705_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200530T134920_20200530T135818_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200530T140104_20200530T142246_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200530T143740_20200530T144935_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200530T145914_20200530T150357_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200530T152853_20200530T160141_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200530T171007_20200530T172405_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200530T172539_20200530T174058_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200530T181409_20200530T182645_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200530T184307_20200530T190004_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200530T190117_20200530T190400_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200530T193417_20200530T195745_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200530T203659_20200530T205852_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200530T211321_20200530T214146_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200530T221239_20200530T223853_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200530T225304_20200530T232654_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220200530T235323_20200530T235945_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records

### 6.5 L2 FDM Measurement Confidence Data Check

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:

4

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220200530T101006_20200530T101322_C001	Attitude correction missing	The attitude has not been corrected

CS_OFFL_SIR_FDM_220200530T114940_20200530T115031_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220200530T132905_20200530T132935_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220200530T165228_20200530T165509_C001	Attitude correction missing	The attitude has not been corrected

## 6.6 L2 FDM Range Measurement Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220200529T234405_20200530T001758_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_220200530T003059_20200530T003238_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.

Ignated for these seconds.       C3_OFFL_SIR_FDW_2020005011071558_0202050511077741_C001     CFI Retraded Range Fag     The match failing is stryphic CFI colify one more seconds, including the values and in fields M3_14_14_158 and H5 should be provided for these resources.       C3_OFFL_SIR_FDW_2020005011071558_02020505110745416_0001     CFI Retraded Range Fag     The match failing is stryphic CFI colify for one more seconds, including the values social fields M3_14_14_168 and H5 should be provided for these resources.       C3_OFFL_SIR_FDW_202000501110510_0001     CFI Retraded Range Fag     The match failing is stryphic CFI colify for one more seconds, including the values social fields M3_14_14_168 and H5 should be provided for these resources.       C3_OFFL_SIR_FDW_202000501111510_0001     CFI Retraded Range Fag     The match failing is stryphic CFI colify one or more words, including the values stored in fields M3_14_14_168 and W18 should be provided for these resources.       C3_OFFL_SIR_FDW_202000501111510_0001     CFI Retraded Range Fag     The match failing is stryphic CFI colify one or more words, including the values stored in fields M3_14_14_168 and W18 should be provided for these resource.       C3_OFFL_SIR_FDW_2020005011124122_0001     CFI Retraded Range Fag     The match failing is stryphic CFI colify one or more words, including the values for these strade in fields M3_14_14_168 and W18 should be provided for these resource.       C3_OFFL_SIR_FDW_2020005011124122_05001     CFI Retraded Range Fag     The match failing is stryphic CFI colify one or more words, including the val	CS_OFFL_SIR_FDM_220200530T014758_20200530T015656_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_OPT_UB1_TDV_2_020030701421_2020530701425_20001 CPI Remarks: Range Fag Indicating the value steps of the PUT_US11 A Vision of the result.   CS_OPT_US1_TDV_2_0200307014269_200000104459_20000 CPI Remarks: Range Fag The result in Fig. 5 the Vision of the result.   CS_OPT_US1_TDV_2_0200307014459_200000104459_20000 CPI Remarks: Range Fag The result in Fig. 5 the Vision of the result.   CS_OPT_US1_TDV_2_0200307014459_2000001070585_20000 CPI Remarks: Range Fag The result in Fig. 5 the Vision of the result.   CS_OPT_US1_TDV_2_02003070705854_20205307055952_20000 CPI Remarks: Range Fag The result in Fig. 5 the Vision of the result.   CS_OPT_US1_TDV_2_0200307070707070707070707070707070707070	CS_OFFL_SIR_FDM_220200530T030822_20200530T031352_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS. OFTL SIR. FDM 240003051704409.2000500704409.2000500704409.2000500704409.2000500704409.2000500704409.200050070400.2001 CPI Revasked Range Fag The master fails the set of the core or non-revolution of the core o	CS_OFFL_SIR_FDM_220200530T044214_20200530T044853_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS OFL SR FDM 2 22203020706544 2220300700350 OFF Benades Range Fug Indexting the value scale of table 12, 14.4 Statust Biological Control in Contro in Control in Control in Co	CS_OFFL_SIR_FDM_220200530T044859_20200530T045812_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS, OFFL, SR, FDM 2,X0000307030504, 200003070305300, 0001     OFF Betracked Range Rag     Instanting the outpot of These seconds.       CS, OFFL, SR, FDM 2,X00003070397124, C001     CFI Retracked Range Rag     The mask tailing is set by the CFI cuit, for one or more records.       CS, OFFL, SR, FDM 2,X0000307037244, C001     CFI Retracked Range Rag     The mask tailing is set by the CFI cuit, for one or more records.       CS, OFFL, SR, FDM 2,X000050772445, C001     CFI Retracked Range Rag     The mask tailing is set by the CFI cuit, for one or more records.       CS, OFFL, SR, FDM 2,X000050772415, C001     CFI Retracked Range Rag     The mask tailing is set by the CFI cuit, for one or more records.       CS, OFFL, SR, FDM 2,X000050772416, C001     CFI Retracked Range Rag     The mask tailing is set by the CFI cuit, for one or more records.       CS, OFFL, SR, FDM 2,X00005077110540, C001     CFI Retracked Range Rag     The mask tailing is set by the CFI cuit, for one or more records.       CS, OFFL, SR, FDM 2,2020053071105420, C001     CFI Retracked Range Rag     The mask tailing is set by the CFI cuit, for one or more records.       CS, OFFL, SR, FDM 2,2020053071105420, C001     CFI Retracked Range Rag     The mask tailing is set by the CFI cuit, for one or more records.       CS, OFFL, SR, FDM 2,2020053071105420, C001     CFI Retracked Range Rag     The mask tailing is set by the CFI cuit, for one or more records.	CS_OFFL_SIR_FDM_220200530T055434_20200530T060535_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SR_FDM_2_2000500T07130_0200000T0771744_0001   CPR Retracked Range Fag   indexing the values stance interest 11, 41, 45 and 416 should be interested.     CS_OFFL_SR_FDM_2_2000500T07250_0200000T072616_0001   CPR Retracked Range Fag   The masket fail has a start of the start 11, 41, 45 and 416 should be interested.     CS_OFFL_SR_FDM_2_2000500T072515_0200500T072640_0001   CPR Retracked Range Fag   The masket fail has a start by the CP call, for one or nove records.     CS_OFFL_SR_FDM_2_2000500T11515_0200500T115282_0001   CPR Retracked Range Fag   The masket fail has a start by the CP call. For one or nove records.     CS_OFFL_SR_FDM_2_2000500T115282_0001   CPR Retracked Range Fag   The masket fail has a start by the CP call. For one or nove records.     CS_OFFL_SR_FDM_2_2000500T115282_0001   CPR Retracked Range Fag   The masket fail has a start by the CP call. For one or nove records.     CS_OFFL_SR_FDM_2_2000500T115282_0001   CPR Retracked Range Fag   The masket fail has instart by the CP call. For one or nove records.     CS_OFFL_SR_FDM_2_2000500T126230_0200050T1115281_0001   CPR Retracked Range Fag   The masket fail has instart by the CP call. For one or nove records.     CS_OFFL_SR_FDM_2_2000500T146240_0200500T1142240_0001   CPR Retracked Range Fag   The masket fail has instart by the CP call. For one or nove records.     CS_OFFL_SR_FDM_2_2000500T146260_0200500T142245_0001   CPR Retracked Range Fag   The masket fail has instart by the CP call. For one	CS_OFFL_SIR_FDM_220200530T063954_20200530T065300_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS: OFTL SIR FDM 2   220205301172205   220205301172205   220205301172205   220205301172205   220205301172205   220205301172205   220205301172205   220205301172205   220205301172205   2202053011172205   2202053011172205   2202053011172205   2202053011172205   2202053011172205   2202053011172205   2202053011172205   2202053011172205   2202053011172205   2202053011172205   2202053011172205   2202053011172205   22020530111727205   22020530111727205   22020530111727205   22020530111727205   22020530111727205   22020530111727205   22020530111727205   22020530111727205   22020530111727205   22020530111727205   22020530111727205   22020530111727205   22020530111727205   22020530111727205   2202053011127205   220200530111201012   CFI Retrackeot Range F	CS_OFFL_SIR_FDM_220200530T071536_20200530T071744_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS: OFFL_SIR_FDM 2_202005301174515_202005301174540_C001   CFI Retracked Range Flag   Indexing the values atomal in tess atomal in	CS_OFFL_SIR_FDM_220200530T072305_20200530T072618_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SR_FDM_2_202003071103815_202003307110428_C001     CFI Retracked Range Flag     Indextry for waise stored in facts 313, 414, 415 and 416 should be ignored for these storeds.       CS_OFFL_SIR_FDM_2_2020033071113849_C001     CFI Retracked Range Flag     The masure fail flag is sot by the CFI call. for one or more records.       CS_OFFL_SIR_FDM_2_2020033071120382_202005307120382_C0010     CFI Retracked Range Flag     The masure fail flag is sot by the CFI call. for one or more records.       CS_OFFL_SIR_FDM_2_202005307140304_202005307142042_C0011     CFI Retracked Range Flag     The masure fail flag is sat by the CFI call. for one or more records.       CS_OFFL_SIR_FDM_2_202005307140104_2020005307142246_C0011     CFI Retracked Range Flag     The masure fail flag is sat by the CFI call. for one or more records.       CS_OFFL_SIR_FDM_2_202005307140104_2020005307142246_C0011     CFI Retracked Range Flag     The masure fail flag is sat by the CFI call. for one or more records.       CS_OFFL_SIR_FDM_2_202005307140104_2020005307142246_C0011     CFI Retracked Range Flag     The masure fail flag is sat by the CFI call. for one or more records.       CS_OFFL_SIR_FDM_2_202005307140104_2020005307142045_C0011     CFI Retracked Range Flag     The masure fail flag is sat by the CFI call. for one or more records.       CS_OFFL_SIR_FDM_2_202005307145017_202005307142045_C0011     CFI Retracked Range Flag     The masure fail flag is sat by the CFI call. for one or more records.       CS_OFFL_SIR_FDM_2_20200	CS_OFFL_SIR_FDM_220200530T073115_20200530T074640_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS. 0FFL_SIR_FDM.2_20200530T11849_20200530T113819_C001   CFI Retracked Range Flag   Indicating the values stored in bols #13, #14, #15 and #16 should be ignored for these records.     CS. 0FFL_SIR_FDM.2_20200530T120398_20200530T124329_C001   CFI Retracked Range Flag   The master fail Rag is set by the CFI call, for one or more records.     CS. 0FFL_SIR_FDM.2_20200530T134920_20200530T134920_20200530T144920_C001   CFI Retracked Range Flag   The master fail Rag is set by the CFI call, for one or more records.     CS. 0FFL_SIR_FDM.2_20200530T140104_20200530T140142   CO11   CFI Retracked Range Flag   The master fail Rag is set by the CFI call, for one or more records.     CS. 0FFL_SIR_FDM.2_20200530T140104_20200530T1401435   CO11   CFI Retracked Range Flag   The master fail Rag is set by the CFI call, for one or more records.     CS. 0FFL_SIR_FDM.2_20200530T145014_20200530T1401435   CO11   CFI Retracked Range Flag   The master fail Rag is set by the CFI call, for one or more records.     CS. 0FFL_SIR_FDM.2_20200530T145014_20200530T160141   CFI Retracked Range Flag   The master fail Rag is set by the CFI call, for one or more records.     CS. 0FFL_SIR_FDM.2_20200530T145014_20200530T160141   CFI Retracked Range Flag   The master fail Rag is set by the CFI call, for one or more records.     CS. 0FFL_SIR_FDM.2_20200530T1720455_C001   CFI Retracked Range Flag   The master fail Rag is set by the CFI call, for one or more records.     CS_0FFL_SIR_FDM.2_2020053	CS_OFFL_SIR_FDM_220200530T103815_20200530T110428_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS OFFL SIR FDM 2     20200530T120838     20200530T120838     20200530T134820_20200530T1342246_C001     CFI Retracked Range Flag     The matter fail flag is as by the CFI call. for one or more records, indicating the values stored in fields ±13, #14, #15 and #16 should be graned for these records.       CS_OFFL_SIR_FDM_2_20200530T143740_20200530T143740_20200530T143740_20200530T143740_20200530T143740_20200530T143740_20200530T143740_20200530T143740_20200530T143740_20200530T143740_20200530T143740_20200530T143740_20200530T143740_20200530T1450357_C001     CFI Retracked Range Flag     The matter fail flag is as by the CFI call. for one or more records, indicating the values stored in fields ±13, #14, #15 and #16 should be graned for these records.       CS_OFFL_SIR_FDM_2_20200530T145740_20200530T150357_C001     CFI Retracked Range Flag     The matter fail flag is as by the CFI call. for one or more records, indicating the values stored in fields ±13, #14, #15 and #16 should be graned for these records.       CS_OFFL_SIR_FDM_2_20200530T171007_20200530T172405_C001     CFI Retracked Range Flag     The matter fail flag is as by the CFI call. for one or more records, indicating the values stored in fields ±13, #14, #15 and #16 should be graned for these records.       CS_OFFL_SIR_FDM_2_20200530T171007_20200530T172405_C001     CFI Retracked Range Flag     The matter fail flag is as by th	CS_OFFL_SIR_FDM_220200530T111849_20200530T113819_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20200530T13420_2020830T135616_001     CFI Retracked Range Flag     indicating the values stored in fields #13, #14, #15 and #16 should be growther the encords.       CS_OFFL_SIR_FDM_2_20200530T140104_20200530T142246_0001     CFI Retracked Range Flag     The master fail fag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be growther the encords.       CS_OFFL_SIR_FDM_2_20200530T140740_20200530T144935_0001     CFI Retracked Range Flag     The master fail fag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be growther the encords.       CS_OFFL_SIR_FDM_2_20200530T145914_20200530T150357_0001     CFI Retracked Range Flag     The master fail fag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be growther for these records.       CS_OFFL_SIR_FDM_2_20200530T17407425_0001     CFI Retracked Range Flag     The master fail fag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be growther the encords.       CS_OFFL_SIR_FDM_2_20200530T171007_20200530T172405_0001     CFI Retracked Range Flag     The measter fail fag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be growther the encords.       CS_OFFL_SIR_FDM_2_20200530T172539_20200530T174065_0001     CFI Retracked Range Flag     The measter fail fag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #1	CS_OFFL_SIR_FDM_220200530T120938_20200530T124329_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20200530T142246_C001   CFI Retracked Range Flag   indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.     CS_OFFL_SIR_FDM_2_20200530T143740_20200530T144335_C001   CFI Retracked Range Flag   The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.     CS_OFFL_SIR_FDM_2_20200530T143914_202000530T160141_C001   CFI Retracked Range Flag   The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.     CS_OFFL_SIR_FDM_2_20200530T152853_20200530T160141_C001   CFI Retracked Range Flag   The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.     CS_OFFL_SIR_FDM_2_20200530T172035_20200530T172405_C001   CFI Retracked Range Flag   The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.     CS_OFFL_SIR_FDM_2_20200530T172639_20200530T172645_C001   CFI Retracked Range Flag   The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.     CS_OFFL_SIR_FDM_2_20200530T1782645_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 sh	CS_OFFL_SIR_FDM_220200530T134920_20200530T135818_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20200530T143740_20200530T143935_C001   CFI Retracked Range Flag   indicating the values stored in fields #13, #14, #15 and #16 should be growed for these records.     CS_OFFL_SIR_FDM_2_20200530T145914_20200530T150357_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 growed for these records.     CS_OFFL_SIR_FDM_2_20200530T152653_20200530T160141_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 growed for these records.     CS_OFFL_SIR_FDM_2_20200530T171007_20200530T172405_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 growed for these records.     CS_OFFL_SIR_FDM_2_20200530T172539_20200530T174058_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 growed for these records.     CS_OFFL_SIR_FDM_2_20200530T184307_20200530T182645_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 growed for these records.     CS_OFFL_SIR_FDM_2_20200530T184307_20200530T180400_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	CS_OFFL_SIR_FDM_220200530T140104_20200530T142246_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20200530T145914_20200530T160357_C001     CFI Retracked Range Flag     Indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.       CS_OFFL_SIR_FDM_2_20200530T152853_20200530T160141_C001     CFI Retracked Range Flag     The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.       CS_OFFL_SIR_FDM_2_20200530T171007_20200530T172405_C001     CFI Retracked Range Flag     The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.       CS_OFFL_SIR_FDM_2_20200530T171007_20200530T174058_C001     CFI Retracked Range Flag     The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.       CS_OFFL_SIR_FDM_2_20200530T181409_20200530T182645_C001     CFI Retracked Range Flag     The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.       CS_OFFL_SIR_FDM_2_20200530T184307_20200530T190004_C001     CFI Retracked Range Flag     The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.       CS_OFFL_SIR_FDM_2_20200530T190104_C001     CFI Retracked Range Flag     The master fail flag is set by the CFI call, for one or more records, indicating the va	CS_OFFL_SIR_FDM_220200530T143740_20200530T144935_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20200530T152853_20200530T172405_C001   CFI Retracked Range Flag   indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.     CS_OFFL_SIR_FDM_2_20200530T171007_20200530T172405_C001   CFI Retracked Range Flag   The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.     CS_OFFL_SIR_FDM_2_20200530T172539_20200530T174058_C001   CFI Retracked Range Flag   The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.     CS_OFFL_SIR_FDM_2_20200530T181409_20200530T182645_C001   CFI Retracked Range Flag   The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.     CS_OFFL_SIR_FDM_2_20200530T184007_20200530T190004_C001   CFI Retracked Range Flag   The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.     CS_OFFL_SIR_FDM_2_20200530T190400_C001   CFI Retracked Range Flag   The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.     CS_OFFL_SIR_FDM_2_20200530T193417_20200530T195745_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,	CS_OFFL_SIR_FDM_220200530T145914_20200530T150357_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20200530T171007_20200530T172405_C001   CFI Retracked Range Flag   indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.     CS_OFFL_SIR_FDM_2_20200530T172539_20200530T174058_C001   CFI Retracked Range Flag   The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.     CS_OFFL_SIR_FDM_2_20200530T181409_20200530T182645_C001   CFI Retracked Range Flag   The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.     CS_OFFL_SIR_FDM_2_20200530T184307_20200530T190004_C001   CFI Retracked Range Flag   The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.     CS_OFFL_SIR_FDM_2_20200530T190117_20200530T190004_C001   CFI Retracked Range Flag   The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.     CS_OFFL_SIR_FDM_2_20200530T190117_20200530T190400_C001   CFI Retracked Range Flag   The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.     CS_OFFL_SIR_FDM_2_20200530T193417_20200530T195745_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 f	CS_OFFL_SIR_FDM_220200530T152853_20200530T160141_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20200530T172539_20200530T174058_C001   CFI Retracked Range Flag   indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.     CS_OFFL_SIR_FDM_2_20200530T181409_20200530T182645_C001   CFI Retracked Range Flag   The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.     CS_OFFL_SIR_FDM_2_20200530T184307_20200530T190004_C001   CFI Retracked Range Flag   The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.     CS_OFFL_SIR_FDM_2_20200530T190117_20200530T190004_C001   CFI Retracked Range Flag   The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.     CS_OFFL_SIR_FDM_2_20200530T190117_20200530T190400_C001   CFI Retracked Range Flag   The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.     CS_OFFL_SIR_FDM_2_20200530T193417_20200530T195745_C001   CFI Retracked Range Flag   The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.     CS_OFFL_SIR_FDM_2_20200530T213121_20200530T214146_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 f	CS_OFFL_SIR_FDM_220200530T171007_20200530T172405_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20200530T181409_20200530T182645_C001   CFI Retracked Range Flag   indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.     CS_OFFL_SIR_FDM_2_20200530T184307_20200530T190004_C001   CFI Retracked Range Flag   The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.     CS_OFFL_SIR_FDM_2_20200530T190117_20200530T190400_C001   CFI Retracked Range Flag   The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.     CS_OFFL_SIR_FDM_2_20200530T190117_20200530T195745_C001   CFI Retracked Range Flag   The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.     CS_OFFL_SIR_FDM_2_20200530T193417_20200530T195745_C001   CFI Retracked Range Flag   The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.     CS_OFFL_SIR_FDM_2_20200530T211321_20200530T214146_C001   CFI Retracked Range Flag   The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.     CS_OFFL_SIR_FDM_2_20200530T221329_20200530T223853_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 f	CS_OFFL_SIR_FDM_220200530T172539_20200530T174058_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20200530T184307_20200530T190004_C001CFI Retracked Range Flagindicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.CS_OFFL_SIR_FDM_2_20200530T190117_20200530T190400_C001CFI Retracked Range FlagThe master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.CS_OFFL_SIR_FDM_2_20200530T193417_20200530T195745_C001CFI Retracked Range FlagThe master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.CS_OFFL_SIR_FDM_2_20200530T211321_20200530T214146_C001CFI Retracked Range FlagThe master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.CS_OFFL_SIR_FDM_2_20200530T221239_20200530T223853_C001CFI Retracked Range FlagThe master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.CS_OFFL_SIR_FDM_2_20200530T221239_20200530T223853_C001CFI Retracked Range FlagThe master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.CS_OFFL_SIR_FDM_2_20200530T223532_20200530T235945_C001CFI Retracked Range FlagThe master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.CS_OFFL_SIR_FDM_2_20200530T235935_C001CFI Retracked Range FlagT	CS_OFFL_SIR_FDM_220200530T181409_20200530T182645_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20200530T190117_20200530T190400_C001CFI Retracked Range Flagindicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.CS_OFFL_SIR_FDM_2_20200530T193417_20200530T195745_C001CFI Retracked Range FlagThe master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.CS_OFFL_SIR_FDM_2_20200530T211321_20200530T214146_C001CFI Retracked Range FlagThe master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.CS_OFFL_SIR_FDM_2_20200530T221239_20200530T2213253_C001CFI Retracked Range FlagThe master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.CS_OFFL_SIR_FDM_2_20200530T221239_20200530T223853_C001CFI Retracked Range FlagThe master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.CS_OFFL_SIR_FDM_2_20200530T221239_20200530T223853_C001CFI Retracked Range FlagThe master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.CS_OFFL_SIR_FDM_2_20200530T235323_20200530T235945_C001CFI Retracked Range FlagThe 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_220200530T184307_20200530T190004_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20200530T193417_20200530T195745_C001CFI Retracked Range Flagindicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.CS_OFFL_SIR_FDM_2_20200530T211321_20200530T214146_C001CFI Retracked Range FlagThe master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.CS_OFFL_SIR_FDM_2_20200530T221239_20200530T223853_C001CFI Retracked Range FlagThe master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.CS_OFFL_SIR_FDM_2_20200530T223532_20200530T2235945_C001CFI Retracked Range FlagThe master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.CS_OFFL_SIR_FDM_2_20200530T235323_20200530T235945_C001CFI Retracked Range FlagThe 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_220200530T190117_20200530T190400_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20200530T211321_20200530T214146_C001CFI Retracked Range FlagThe master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.CS_OFFL_SIR_FDM_2_20200530T221239_20200530T223853_C001CFI Retracked Range FlagThe master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.CS_OFFL_SIR_FDM_2_20200530T225323_20200530T235945_C001CFI Retracked Range FlagThe master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.CS_OFFL_SIR_FDM_2_20200530T235323_20200530T235945_C001CFI Retracked Range FlagThe 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_220200530T193417_20200530T195745_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20200530T221239_20200530T223853_C001   CFI Retracked Range Flag   indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.     CS_OFFL_SIR_FDM_2_20200530T235323_20200530T235945_C001   CFI Retracked Range Flag   The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be	CS_OFFL_SIR_FDM_220200530T211321_20200530T214146_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20200530T235323_20200530T235945_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be	CS_OFFL_SIR_FDM_220200530T221239_20200530T223853_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
ignored for these records.	CS_OFFL_SIR_FDM_220200530T235323_20200530T235945_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

### 6.7 L2 FDM SWH and Backscatter Measurement Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220200529T234405_20200530T001758_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_220200530T003059_20200530T003238_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_220200530T014758_20200530T015656_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_220200530T030822_20200530T031352_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_220200530T044214_20200530T044853_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_220200530T044859_20200530T045812_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_220200530T055434_20200530T060535_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_220200530T063954_20200530T065300_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_220200530T071536_20200530T071744_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_220200530T072305_20200530T072618_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_220200530T073115_20200530T074640_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_220200530T103815_20200530T110428_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_220200530T111849_20200530T113819_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_220200530T120938_20200530T124329_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_220200530T134920_20200530T135818_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_220200530T140104_20200530T142246_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_220200530T143740_20200530T144935_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_220200530T145914_20200530T150357_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_220200530T152853_20200530T160141_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_220200530T171007_20200530T172405_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_220200530T172539_20200530T174058_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_220200530T181409_20200530T182645_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_220200530T184307_20200530T190004_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_220200530T190117_20200530T190400_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_220200530T193417_20200530T195745_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_220200530T211321_20200530T214146_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_220200530T221239_20200530T223853_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_220200530T235323_20200530T235945_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:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220200529T234405_20200530T001758_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_220200530T003059_20200530T003238_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_220200530T014758_20200530T015656_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.

		Reliacker was not successfully executed for one of more records.
CS_OFFL_SIR_FDM_220200530T022919_20200530T023407_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_220200530T030256_20200530T030812_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_220200530T030822_20200530T031352_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_220200530T031615_20200530T033450_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_220200530T044214_20200530T044853_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_220200530T044859_20200530T045812_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_220200530T050411_20200530T051116_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_220200530T053251_20200530T053832_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_220200530T053959_20200530T054815_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_220200530T055434_20200530T060535_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_220200530T062920_20200530T063558_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_220200530T063738_20200530T063952_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_220200530T063954_20200530T065300_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_220200530T071536_20200530T071744_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_220200530T072305_20200530T072618_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_220200530T073115_20200530T074640_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_220200530T084918_20200530T085009_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_220200530T090246_20200530T092539_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_220200530T094452_20200530T100859_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_220200530T103815_20200530T110428_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_220200530T111849_20200530T113819_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_220200530T114039_20200530T114313_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_220200530T115556_20200530T115654_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_220200530T120938_20200530T124329_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_220200530T134920_20200530T135818_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_220200530T140104_20200530T142246_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_220200530T143740_20200530T144935_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_220200530T145122_20200530T145736_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_220200530T145914_20200530T150357_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_220200530T152853_20200530T160141_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_220200530T162014_20200530T165038_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_220200530T171007_20200530T172405_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_220200530T172539_20200530T174058_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_220200530T175742_20200530T180750_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_220200530T181409_20200530T182645_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_220200530T184307_20200530T190004_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_220200530T190117_20200530T190400_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_220200530T193417_20200530T195745_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_220200530T195903_20200530T200735_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_220200530T211321_20200530T214146_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_220200530T221239_20200530T223853_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_220200530T225304_20200530T232654_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_220200530T235323_20200530T235945_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_	135	135	135	0	0
SIR1SIN_0_	112	112	112	0	0
SIR2SIN_0_	118	118	118	0	0
SIR_FDM_1B	176	176	4	0	172
SIR_FDM_2	176	176	117	59	0

7.1 QCC Errors	
Number of QCC reports with errors:	172
7.2 QCC Warnings	
Number of QCC reports with warnings	61
7.3 Missing QCC Reports	
Number of products with missing QCC reports:	0