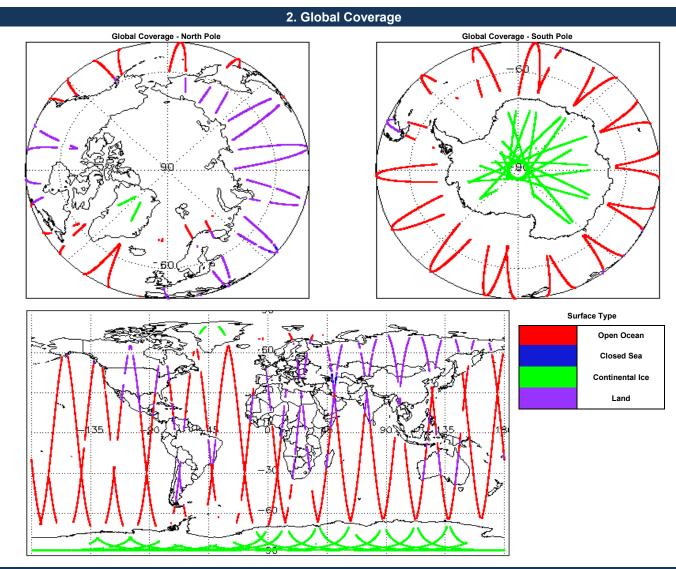


IDEAS+ Daily Report for FDM data:

<u>03/03/2019</u>

eport Production Date:	04-Mar-2019	Check	Status	
eport Production Date.	04-iviar-2019	Server check: science-pds.cryosat.esa.int	Nominal	
Processor Used:	CryoSat Ice Processor	Server check: calval-pds.cryosat.esa.int	Nominal	
		Product Software Check	Nominal	
Dete Heads	L1 and L2 Fast Delivery Marine (FDM) Mode and L0 Data	Product Format Check	Nominal	
Data Used:		Product Header Analysis	See Section 4.2	
		Star Tracker Usage Check	See Section 5.3	
		Calibration Usage Check	Nominal	
		Auxiliary Data File Usage Check	Nominal	
		Auxiliary Correction Error Check	See Section 6.4	
		Measurement Confidence Data Check	See Section 5.7, 6.5, 6.6, 6.7 and 6.8	

Mission / Instru	Vission / Instrument News	
02-Mar-2019	None	
03-Mar-2019	None	
04-Mar-2019	Nothing planned	



3. Instrument Configuration

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

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

4. Level 0 Data Quality Check

4.1 L0 Product Format Check

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

0

Number of products with errors:

4.2 L0 Product Header Analysis		
For all products, a series of pre-defined checks are carried out on the MPH and s	SPH in order to identify any inconsist	encies and/or errors raised by the processing chain.
Number of products with errors: 3		
Product	Test Failed	
CS_OPER_SIR1SAR_020190303T104256_20190303T104718_0001.HDR	Percentage of processin	ng errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020190303T120519_20190303T120837_0001.HDR		ng errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020190303T094537_20190303T095031_0001.HDR	Percentage of processin	ng errors detected greater than minimum acceptable threshold.
5. Lev	el 1B FDM Data Quali	ty Check
5.1 L1B FDM Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to en	sure it consists of both an XML head	er 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	SPH in order to identify any inconsist	encies 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 user	in processing.	
Number of products with errors: 3	prococomig.	
	Test Failed	
Product CS_OFFL_SIR_FDM_1B_20190303T075355_20190303T075421_C001	Test Failed No Star Tracker file user	d in the processing of this product
CS_OFFL_SIR_FDM_1B_20190303T093032_20190303T093038_C001		d in the processing of this product
CS_OFFL_SIR_FDM_1B_20190303T110707_20190303T110840_C001		d in the processing of this product
E 4 4D EDM Colliburation Lissue Charle		
5.4 L1B FDM Calibration Usage Check		
Each product is checked in order to ensure the necessary calibration files have b	een used in processing.	
Number of products with errors: 0		
5.5 L1B FDM Auxilary Data File Usage Check		
Each product is checked for missing Data Set Descriptors with respect to a pre-c	letermined baseline and also to chec	k the validity of Auxiliary Data Files is correct.
	letermined baseline and also to chec	k the validity of Auxiliary Data Files is correct.
Number of products with errors: 0	letermined baseline and also to chec	k the validity of Auxiliary Data Files is correct.
Number of products with errors: 0	letermined baseline and also to chec	k the validity of Auxiliary Data Files is correct.
Number of products with errors: 0 5.6 L1B FDM Auxiliary Correction Error Check CryoSat L1B data includes a correction error flag (field 54) for each measurement		
5.6 L1B FDM Auxiliary Correction Error Check CryoSat L1B data includes a correction error flag (field 54) for each measuremer Number of products with errors: 0		
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 measuremer Number of products with errors: 0 5.7 L1B FDM Measurement Confidence Data Check	t record. The bit value of this flag ind	licates any problems when set.
Number of products with errors: 0 5.6 L1B FDM Auxiliary Correction Error Check CryoSat L1B data includes a correction error flag (field 54) for each measurement 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 measurement	t record. The bit value of this flag ind	licates any problems when set.
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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 measuremer 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 measurement confidence flag (field 18) for each measurement of products with errors: 3 Product CS_OFFL_SIR_FDM_1B_20190303T075355_20190303T075421_C001 CS_OFFL_SIR_FDM_1B_20190303T093032_20190303T093038_C001 CS_OFFL_SIR_FDM_1B_20190303T10707_20190303T10840_C001 CS_OFFL_SIR_FDM_1B_20190303T10707_20190303T10840_C001 CALL2 FDM Product Format Check Each product, retrieved and unpacked from the science server, is checked to ena 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 S Number of products with errors: 0 6.3 L2 FDM Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a pre-c Number of products with errors: 0 6.4 L2 FDM Auxiliary Correction Error Check Each product is checked to detect auxiliary corrections flagged	t record. The bit value of this flag ind asurement record. The bit value of the Test Failed Attitude correction missing Attitude correction missing Attitude correction missing rel 2 FDM Data Qualit sure it consists of both an XML head SPH in order to identify any inconsists	licates any problems when set. his flag indicates any problems when set. Description The attitude has not been corrected By Check er file (.HDR) and a binary product file (.DBL). encies and/or errors raised by the ground-segment processing chain. ek the validity of Auxiliary Data Files is correct.
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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 measuremer 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 measurement confidence flag (field 18) for each measurement of products with errors: 3 Product Cs_OFFL_SIR_FDM_1B_20190303T075355_20190303T075421_C001 Cs_OFFL_SIR_FDM_1B_20190303T093032_20190303T093038_C001 Cs_OFFL_SIR_FDM_1B_20190303T1077_20190303T10840_C001 Cs_OFFL_SIR_FDM_1B_20190303T1077_20190303T10840_C001 Cs_OFFL_SIR_FDM_1B_20190303T110707_20190303T10840_C001 Cs_OFFL_SIR_FDM_1B_20190303T110707_20190303T10840_C001 Cs_OFFL_SIR_FDM_1B_20190303T110707_20190303T10840_C001 Cs_OFFL_SIR_FDM_1B_20190303T1077_20190303T10840_C001 Cs_OFFL_SIR_FDM_1B_20190303T1077_20190303T10840_C001 Cs_OFFL_SIR_FDM_1B_20190303T1077_20190303T10840_C001 Cs_OFFL_SIR_FDM_1B_20190303T1077_20190303T10840_C001 Cs_OFFL_SIR_FDM_1B_20190303T1077_20190303T10840_C001 Cs_OFFL_SIR_FDM_1B_20190303T075421_C001 Cs_OFFL_SIR_FDM_1B_20190303T075421_C001 Cs_OFFL_SIR_FDM_1B_20190303T075421_C001 Cs_OFFL_SIR_FDM_1B_20190	t record. The bit value of this flag ind asurement record. The bit value of th Test Failed Attitude correction missing Attitude correction missing Attitude correction missing rel 2 FDM Data Qualit sure it consists of both an XML head SPH in order to identify any inconsists letermined baseline and also to check tion processing chain as missing or of	licates any problems when set. iticates any problems when set. Description The attitude has not been corrected PCHECK er file (.HDR) and a binary product file (.DBL). encies and/or errors raised by the ground-segment processing chain. et the validity of Auxiliary Data Files is correct. Description Description

CS_OFFL_SIR_FDM_220190303T014515_20190303T020250_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190303T022120_20190303T025059_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_220190303T031021_20190303T032848_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_220190303T032940_20190303T034307_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_220190303T040017_20190303T041558_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_220190303T041800_20190303T042721_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190303T052600_20190303T052608_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_220190303T053931_20190303T055501_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190303T063257_20190303T070547_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_220190303T081600_20190303T082720_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_220190303T083255_20190303T084431_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_220190303T085734_20190303T092434_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_220190303T095031_20190303T100633_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_220190303T100820_20190303T102336_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_220190303T110215_20190303T110332_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_220190303T112845_20190303T120318_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_220190303T130717_20190303T134110_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_220190303T150251_20190303T150424_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190303T150454_20190303T152039_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_220190303T163241_20190303T164212_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_220190303T164414_20190303T165945_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_220190303T173238_20190303T173748_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_220190303T173823_20190303T174535_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_220190303T195158_20190303T201841_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_220190303T203106_20190303T204317_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_220190303T204851_20190303T205845_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_220190303T212952_20190303T213546_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_220190303T213550_20190303T215807_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_220190303T221025_20190303T224535_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_220190303T225846_20190303T230026_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_220190303T233428_20190303T233735_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: 3

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220190303T075355_20190303T075421_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220190303T093032_20190303T093038_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220190303T110707_20190303T110840_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: 20

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220190303T004042_20190303T011540_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_220190303T013958_20190303T014432_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_220190303T022120_20190303T025059_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_220190303T040017_20190303T041558_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_220190303T063257_20190303T070547_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_220190303T081600_20190303T082720_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_220190303T083255_20190303T084431_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_220190303T085734_20190303T092434_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.

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.
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.
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.
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.
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.
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.
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.
CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
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.
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.
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.
	CFI Retracked Range Flag CFI Retracked Range Flag

6.7 L2 FDM SWH and Backscatter Measurement Check

20

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_220190303T004042_20190303T011540_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_220190303T013958_20190303T014432_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_220190303T022120_20190303T025059_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_220190303T040017_20190303T041558_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_220190303T063257_20190303T070547_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_220190303T081600_20190303T082720_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_220190303T083255_20190303T084431_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_220190303T085734_20190303T092434_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_220190303T100820_20190303T102336_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_220190303T110215_20190303T110332_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_220190303T130717_20190303T134110_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_220190303T150454_20190303T152039_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_220190303T163241_20190303T164212_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_220190303T164414_20190303T165945_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_220190303T173238_20190303T173748_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_220190303T173823_20190303T174535_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_220190303T212952_20190303T213546_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_220190303T213550_20190303T215807_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_220190303T221025_20190303T224535_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_220190303T225846_20190303T230026_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: 31

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220190303T004042_20190303T011540_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_220190303T013958_20190303T014432_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_220190303T014515_20190303T020250_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_220190303T020544_20190303T020735_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_220190303T022120_20190303T025059_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_220190303T040017_20190303T041558_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_220190303T041800_20190303T042721_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_220190303T045517_20190303T050640_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_220190303T063257_20190303T070547_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_220190303T075421_20190303T075455_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_220190303T081600_20190303T082720_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_220190303T083255_20190303T084431_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_220190303T085734_20190303T092434_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_220190303T100820_20190303T102336_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_220190303T110215_20190303T110332_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_220190303T130717_20190303T134110_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_220190303T135452_20190303T142324_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_220190303T144904_20190303T145811_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_220190303T150251_20190303T150424_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_220190303T150454_20190303T152039_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_220190303T153850_20190303T155110_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_220190303T163241_20190303T164212_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_220190303T164414_20190303T165945_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_220190303T173238_20190303T173748_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_220190303T173823_20190303T174535_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_220190303T185155_20190303T192655_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_220190303T195158_20190303T201841_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_220190303T212952_20190303T213546_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_220190303T213550_20190303T215807_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_220190303T221025_20190303T224535_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_220190303T225846_20190303T230026_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.

SIR1LRM_0_ 163 163 163 0 0 SIR1SAR_0_ 111 111 111 0 0 SIR1SIN_0_ 109 109 00 0 0 SIR2SIN_0_ 114 114 0 0 0 SIR2SIN_0_ 114 114 0 0 0 SIR_FDM_1B 163 163 163 0 0 SIR_FDM_2 160 160 160 0 0	SIR1SAR_0_ 111 111 111 0 0 SIR1SAR_0_ 109 109 109 0 0 SIR1SN_0_ 109 109 0 0 0 SIR2SIN_0_ 114 114 114 0 0 SIR_FDM_1B 163 163 163 0 0 SIR_FDM_2 160 160 160 0 0	Product type	Nb. Products	Nb. QCC Reports	Nb. Valid	Nb. Warnings	Nb. Errors
SIR1SIN_0_ 109 109 109 0 0 SIR2SIN_0_ 114 114 114 0 0 SIR_FDM_1B 163 163 163 0 0 SIR_FDM_2 160 160 160 0 0	SIR1SIN_0_ 109 109 109 0 0 SIR2SIN_0_ 114 114 114 0 0 SIR_FDM_1B 163 163 163 0 0 SIR_FDM_2 160 160 160 0 0	SIR1LRM_0_	163	163	163	0	0
SIR2SIN_0_ 114 114 114 0 0 SIR_FDM_1B 163 163 163 0 0 SIR_FDM_2 160 160 160 0 0 7.1 QCC Errors	SIR2SIN_0_ 114 114 114 0 0 SIR_FDM_1B 163 163 163 0 0 SIR_FDM_2 160 160 160 0 0	SIR1SAR_0_	111	111	111	0	0
SIR_FDM_IB 163 163 163 0 0 SIR_FDM_2 160 160 160 0 0	SIR_FDM_IB 163 163 163 0 0 SIR_FDM_2 160 160 160 0 0	SIR1SIN_0_	109	109	109	0	0
SIR_FDM_2 160 160 0 0 7.1 QCC Errors	SIR_FDM_2 160 160 0 0 7.1 QCC Errors	SIR2SIN_0_	114	114	114	0	0
7.1 QCC Errors	Image: Control of QCC reports with errors: 0	SIR_FDM_1B	163	163	163	0	0
	lumber of QCC reports with errors: 0	SIR_FDM_2	160	160	160	0	0
lumber of QCC reports with errors: 0		7.1 QCC Errors					
		umber of QCC reports with e	errors:	0			

Number of QCC reports with warnings

7.3 Missing QCC Reports

Number of products with missing QCC reports:

0

0