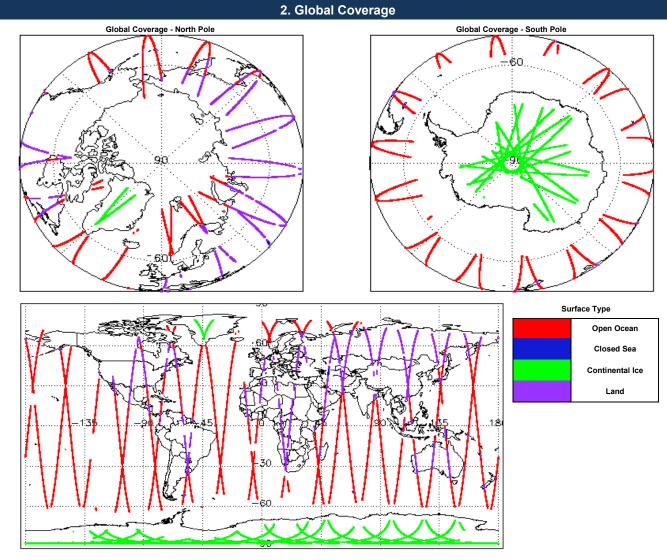


IDEAS+ Daily Report for FDM data:

<u>14/09/2017</u>

port Production Date:	15-Sep-2017	Check	Status	
eport Production Date.		Server check: science-pds.cryosat.esa.int	Nominal	
Processor Used:	CryoSat Ice Processor	Server check: calval-pds.cryosat.esa.int	Nominal	
Processor used.		Product Software Check	Nominal	
Data Used:	L1 and L2 Fast Delivery Marine (FDM) Mode and L0 Data	Product Format Check	Nominal	
Dala Useu.		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 / Instrument News				
13-Sep-2017	None			
14-Sep-2017	None			
15-Sep-2017	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 & 2	
Star Tracker(s) in use:	Star Tracker 1 & 2	

4. Level 0 Data Quality Check

4.1 L0 Product Format Check

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

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	PH in order to identify any inconsistencies	and/or errors raised by the processing chain.		
Number of products with errors: 5				
Product	Test Failed			
CS_OPER_SIR1SAR_020170914T193915_20170914T193918_0001.HDR		s detected greater than minimum acceptable threshold.		
CS_OPER_SIR1SAR_020170914T130352_20170914T131146_0001.HDR	Percentage of processing error	s detected greater than minimum acceptable threshold.		
CS_OPER_SIR1SAR_020170914T200232_20170914T200628_0001.HDR	Percentage of processing error	s detected greater than minimum acceptable threshold.		
CS_OPER_SIR1SAR_020170914T062952_20170914T063101_0001.HDR	Percentage of processing error	s detected greater than minimum acceptable threshold.		
CS_OPER_SIR1SIN_020170914T234432_20170914T234604_0001.HDR	Percentage of processing error	s detected greater than minimum acceptable threshold.		
5. Leve	el 1B FDM Data Quality C	heck		
5.1 L1B FDM Product Format Check				
Each product, retrieved and unpacked from the science server, is checked to ens	ure it consists of both an XML header file (HDR) and a binary product file (.DBL).		
Number of products with errors: 0				
5.2 L1B FDM Product Header Analysis				
For all products, a series of pre-defined checks are carried out on the MPH and S	PH in order to identify any inconsistencies	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 used	in processing.			
Number of products with errors: 4				
Product	Test Failed			
CS_OFFL_SIR_FDM_1B_20170914T093551_20170914T094250_C001	No Star Tracker file used in the	processing of this product		
CS_OFFL_SIR_FDM_1B_20170914T111521_20170914T111832_C001	No Star Tracker file used in the	processing of this product		
CS_OFFL_SIR_FDM_1B_20170914T125450_20170914T125544_C001	CS_OFFL_SIR_FDM_1B_20170914T125450_20170914T125544_C001 No Star Tracker file used in the processing of this product			
CS_OFFL_SIR_FDM_1B_20170914T143446_20170914T143453_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 be	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-de	etermined baseline and also to check the v	alidity of Auxiliary Data Files is correct.		
Number of products with errors: 0				
5.6 L1B FDM Auxiliary Correction Error Check				
CryoSat L1B data includes a correction error flag (field 54) for each measurement	record. The bit value of this flag indicates	any problems when set.		
Number of products with errors: 0				
5.7 L1B FDM Measurement Confidence Data Check				
CryoSat L1B data includes a measurement confidence flag (field 18) for each mea	asurement record. The bit value of this flag	indicates any problems when set.		
Number of products with errors: 6				
Product	Test Failed	Description		
CS_OFFL_SIR_FDM_1B_20170914T014442_20170914T014514_C001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is se indicating a degraded echo		
CS_OFFL_SIR_FDM_1B_20170914T093551_20170914T094250_C001	Attitude correction missing	The attitude has not been corrected		
CS_OFFL_SIR_FDM_1B_20170914T111521_20170914T111832_C001	Attitude correction missing	The attitude has not been corrected		
CS_OFFL_SIR_FDM_1B_20170914T125450_20170914T125544_C001	Attitude correction missing	The attitude has not been corrected		
CS_OFFL_SIR_FDM_1B_20170914T142008_20170914T142306_C001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is se indicating a degraded echo		
CS_OFFL_SIR_FDM_1B_20170914T143446_20170914T143453_C001	Attitude correction missing	The attitude has not been corrected		
	1	-		

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

6.2 L2 FDM Product Header Analysis

For all products, a series of pre-defined checks are carried out on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. Number of products with errors: 0

6.3 L2 FDM Auxiliary Data File Usage Check

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:

43 Product CS OFFL SIR FDM 2 20170914T000512 20170914T003324 C001 CS_OFFL_SIR_FDM_2__20170914T005041_20170914T012307_C001 CS OFFL SIR FDM 2 20170914T013450 20170914T013815 C001 CS_OFFL_SIR_FDM_2__20170914T025314_20170914T030437_C001 CS_OFFL_SIR_FDM_2__20170914T040837_20170914T041320_C001 CS OFFL SIR FDM 2 20170914T045737 20170914T052856 C001 CS_OFFL_SIR_FDM_2__20170914T054813_20170914T060447_C001 CS_OFFL_SIR_FDM_2__20170914T060926_20170914T061625_C001 CS_OFFL_SIR_FDM_2__20170914T063750_20170914T065327_C001 CS_OFFL_SIR_FDM_2__20170914T065947_20170914T071029_C001 CS OFFL SIR FDM 2 20170914T074427 20170914T075823 C001 CS_OFFL_SIR_FDM_2__20170914T081304_20170914T081357_C001 CS_OFFL_SIR_FDM_2__20170914T081626_20170914T081822_C001 CS OFFL SIR FDM 2 20170914T081944 20170914T082654 C001 CS_OFFL_SIR_FDM_2__20170914T082816_20170914T083305_C001 CS OFFL SIR FDM 2 20170914T090715 20170914T092836 C001 CS_OFFL_SIR_FDM_2__20170914T094250_20170914T094333_C001 CS_OFFL_SIR_FDM_2__20170914T094426_20170914T094430_C001 CS OFFL SIR FDM 2 20170914T095654 20170914T103033 C001 CS_OFFL_SIR_FDM_2__20170914T104651_20170914T111012_C001 CS OFFL SIR FDM 2 20170914T111832 20170914T112151 C001 CS_OFFL_SIR_FDM_2__20170914T112235_20170914T112402_C001 CS_OFFL_SIR_FDM_2__20170914T122544_20170914T124141_C001 CS OFFL SIR FDM 2 20170914T130113 20170914T130305 C001 CS_OFFL_SIR_FDM_2__20170914T140727_20170914T140941_C001 CS_OFFL_SIR_FDM_2__20170914T143814_20170914T144222_C001 CS OFFL SIR FDM 2 20170914T145045 20170914T145129 C001 CS_OFFL_SIR_FDM_2__20170914T145232_20170914T150330_C001 CS_OFFL_SIR_FDM_2__20170914T150616_20170914T152736_C001 CS_OFFL_SIR_FDM_2__20170914T163121_20170914T170558_C001 CS_OFFL_SIR_FDM_2__20170914T172530_20170914T175546_C001 CS_OFFL_SIR_FDM_2__20170914T180949_20170914T181607_C001 CS_OFFL_SIR_FDM_2__20170914T181610_20170914T182846_C001 CS OFFL SIR FDM 2 20170914T183051 20170914T184535 C001 CS_OFFL_SIR_FDM_2__20170914T190256_20170914T191306_C001 CS_OFFL_SIR_FDM_2__20170914T191925_20170914T193525_C001 CS OFFL SIR FDM 2 20170914T200628 20170914T200911 C001 CS_OFFL_SIR_FDM_2__20170914T201050_20170914T202411_C001 CS OFFL SIR FDM 2 20170914T204038 20170914T211600 C001 CS OFFL SIR FDM 2 20170914T214211 20170914T220240 C001 CS_OFFL_SIR_FDM_2__20170914T221920_20170914T224716_C001 CS_OFFL_SIR_FDM_2__20170914T230510_20170914T230806_C001 CS_OFFL_SIR_FDM_2__20170914T231845_20170914T234230_C001

Test Failed	Description
Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed	Correction for one or more records
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
Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed	Correction for one or more records
Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Wind Speed Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed	Correction for one or more records
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
Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed	Correction for one or more records
Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed	Correction for one or more records
Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed	Correction for one or more records
Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed	Correction for one or more records
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
Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed	Correction for one or more records
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
Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed	Correction for one or more records
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
Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records
Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed	Correction for one or more records
Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed	Correction for one or more records
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
Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed	Correction for one or more records
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
Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed	Correction for one or more records
Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed	Correction for one or more records
Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more
	records There is an error with the Sea State Bias Correction for one or more
Sea State Bias Correction	records
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
Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed	Correction for one or more records
Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed	Correction for one or more records
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
Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
Wind Speed	Correction for one or more records
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
Sea State Bias Correction	There is an error with the 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: 6

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220170914T014442_20170914T014514_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220170914T093551_20170914T094250_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220170914T111521_20170914T111832_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220170914T125450_20170914T125544_C001	Attitude correction missing	The attitude has not been corrected

Echo error

The Echo Rx1 Error flag is set, indicating a degraded raw echo

6.6 L2 FDM Range Measurement Check

CryoSat L2 data includes a CFI (field 17) and OCOG (field 22) Range Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set. Number of products with errors: 29

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220170914T000512_20170914T003324_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_220170914T005041_20170914T012307_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_220170914T013450_20170914T013815_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_220170914T025314_20170914T030437_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_220170914T040837_20170914T041320_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_220170914T054813_20170914T060447_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_220170914T060926_20170914T061625_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_220170914T065947_20170914T071029_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_220170914T081304_20170914T081357_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_220170914T081626_20170914T081822_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_220170914T081944_20170914T082654_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_220170914T082816_20170914T083305_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_220170914T090715_20170914T092836_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_220170914T094250_20170914T094333_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_220170914T104651_20170914T111012_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_220170914T111832_20170914T112151_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_220170914T112235_20170914T112402_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_220170914T122544_20170914T124141_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_220170914T145232_20170914T150330_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_220170914T150616_20170914T152736_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_220170914T163121_20170914T170558_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_220170914T180949_20170914T181607_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_220170914T181610_20170914T182846_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_220170914T191925_20170914T193525_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_220170914T200628_20170914T200911_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_220170914T204038_20170914T211600_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_220170914T214211_20170914T220240_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_220170914T221920_20170914T224716_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_220170914T230510_20170914T230806_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.

6.7 L2 FDM SWH and Backscatter Measurement Check

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

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220170914T000512_20170914T003324_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_220170914T005041_20170914T012307_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_220170914T013450_20170914T013815_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_220170914T025314_20170914T030437_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_220170914T040837_20170914T041320_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_220170914T054813_20170914T060447_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_220170914T060926_20170914T061625_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_220170914T065947_20170914T071029_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_220170914T081304_20170914T081357_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_220170914T081626_20170914T081822_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_220170914T081944_20170914T082654_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_220170914T082816_20170914T083305_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_220170914T090715_20170914T092836_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_220170914T094250_20170914T094333_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_220170914T104651_20170914T111012_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_220170914T111832_20170914T112151_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_220170914T112235_20170914T112402_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_220170914T122544_20170914T124141_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_220170914T145232_20170914T150330_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_220170914T150616_20170914T152736_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_220170914T163121_20170914T170558_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_220170914T180949_20170914T181607_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_220170914T181610_20170914T182846_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_220170914T191925_20170914T193525_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_220170914T200628_20170914T200911_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_220170914T204038_20170914T211600_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_220170914T214211_20170914T220240_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_220170914T221920_20170914T224716_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_220170914T230510_20170914T230806_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.

6.8 L2 FDM Ocean Retracking Quality Check

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

 Number of products with errors:
 48

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220170914T000512_20170914T003324_C001		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_220170914T005041_20170914T012307_C001		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_220170914T013450_20170914T013815_C001		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_220170914T022931_20170914T025028_C001		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_220170914T025314_20170914T030437_C001		The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.

CS_OFFL_SIR_FDM_2__20170914T034107_20170914T035103_C001 CS OFFL SIR FDM 2 20170914T040837 20170914T041320 C001 CS_OFFL_SIR_FDM_2__20170914T041329_20170914T044435_C001 CS_OFFL_SIR_FDM_2__20170914T045737_20170914T052856_C001 CS OFFL SIR FDM 2 20170914T054813 20170914T060447 C001 CS_OFFL_SIR_FDM_2__20170914T060926_20170914T061625_C001 CS_OFFL_SIR_FDM_2__20170914T063750_20170914T065327_C001 CS OFFL SIR FDM 2 20170914T065947 20170914T071029 C001 CS_OFFL_SIR_FDM_2__20170914T072725_20170914T074115_C001 CS_OFFL_SIR_FDM_2__20170914T074427_20170914T075823_C001 CS OFFL SIR FDM 2 20170914T081304 20170914T081357 C001 CS_OFFL_SIR_FDM_2__20170914T081626_20170914T081822_C001 CS OFFL SIR FDM 2 20170914T081944 20170914T082654 C001 CS_OFFL_SIR_FDM_2__20170914T082816_20170914T083305_C001 CS_OFFL_SIR_FDM_2__20170914T083600_20170914T085052_C001 CS OFFL SIR FDM 2 20170914T090715 20170914T092836 C001 CS_OFFL_SIR_FDM_2__20170914T094250_20170914T094333_C001 CS_OFFL_SIR_FDM_2__20170914T095654_20170914T103033_C001 CS OFFL SIR FDM 2 20170914T104651 20170914T111012 C001 CS_OFFL_SIR_FDM_2__20170914T111832_20170914T112151_C001 CS_OFFL_SIR_FDM_2__20170914T112235_20170914T112402_C001 CS OFFL SIR FDM 2 20170914T114220 20170914T115322 C001 CS OFFL SIR FDM 2 20170914T115859 20170914T120840 C001 CS OFFL SIR FDM 2 20170914T122544 20170914T124141 C001 CS OFFL SIR FDM 2 20170914T130113 20170914T130305 C001 CS_OFFL_SIR_FDM_2__20170914T131444_20170914T134756_C001 CS_OFFL_SIR_FDM_2__20170914T145232_20170914T150330_C001 CS OFFL SIR FDM 2 20170914T150616 20170914T152736 C001 CS OFFL SIR FDM 2 20170914T155639 20170914T160348 C001 CS OFFL SIR FDM 2 20170914T160432 20170914T160912 C001 CS_OFFL_SIR_FDM_2__20170914T163121_20170914T170558_C001 CS_OFFL_SIR_FDM_2__20170914T172530_20170914T175546_C001 CS_OFFL_SIR_FDM_2__20170914T180949_20170914T181607_C001 CS_OFFL_SIR_FDM_2__20170914T181610_20170914T182846_C001 CS_OFFL_SIR_FDM_2__20170914T183051_20170914T184535_C001 CS OFFL SIR FDM 2 20170914T191925 20170914T193525 C001 CS_OFFL_SIR_FDM_2__20170914T200628_20170914T200911_C001 CS_OFFL_SIR_FDM_2__20170914T204038_20170914T211600_C001 CS OFFL SIR FDM 2 20170914T214211 20170914T220240 C001

Ocean Retracking Quality Flag Ocean Retracking Quality Flag

The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. 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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_	143	143	143	0	0
SIR1SAR_0_	105	105	105	0	0
SIR1SIN_0_	115	115	115	0	0
SIR2SIN_0_	107	107	107	0	0
SIR_FDM_1B	143	143	143	0	0
SIR_FDM_2	142	142	142	0	0

7.1 QCC Errors

Number of QCC reports with errors:

7.2 QCC Warnings

7.3 Missing QCC Reports

Number of products with missing QCC reports:

0