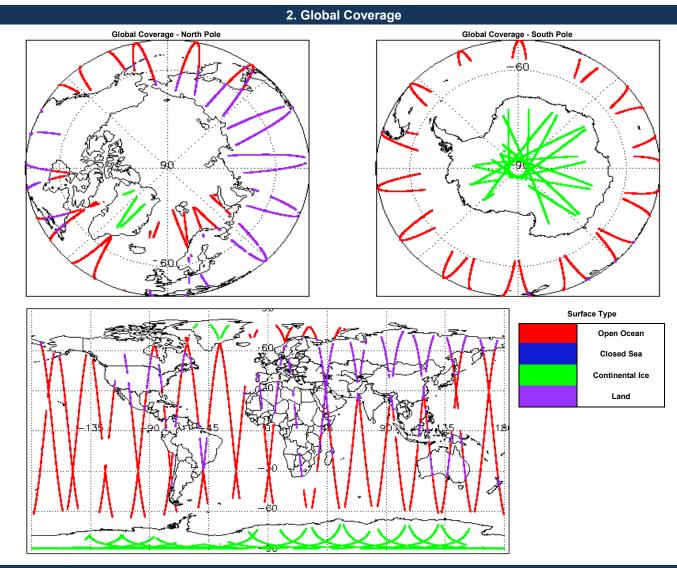


IDEAS+ Daily Report for FDM data:

<u>24/10/2017</u>

Demant Draduation Dates	27-Oct-2017	Check	Status	
Report 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	
Data 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		
23-Oct-2017	None	
24-Oct-2017	None	
25-Oct-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 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 SP	H in order to identify any inconsister	ncies and/or errors raised by the processing chain	
Number of products with errors: 8			
Product	Test Failed		
CS_OPER_SIR1SAR_020171024T005104_20171024T005310_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.		
CS_OPER_SIR1SAR_020171024T214106_20171024T214644_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.		
CS_OPER_SIR1SAR_020171024T220722_20171024T221506_0001.HDR	Percentage of processing	errors detected greater than minimum acceptable threshold.	
CS_OPER_SIR1SIN_020171024T060438_20171024T061003_0001.HDR	Percentage of processing	errors detected greater than minimum acceptable threshold.	
CS_OPER_SIR1SIN_020171024T090149_20171024T091336_0001.HDR	Percentage of processing	errors detected greater than minimum acceptable threshold.	
CS_OPER_SIR2SIN_020171024T081406_20171024T081643_0001.HDR	Percentage of processing	errors detected greater than minimum acceptable threshold.	
5. Level	1B FDM Data Quality	y Check	
5.1 L1B FDM Product Format Check			
Each product, retrieved and unpacked from the science server, is checked to ensur	re it consists of both an XML header	file (.HDR) and a binary product file (.DBL).	
Number of products with errors: 0			
5.2.1.4.D. EDM Deaduct Hander Analysis			
5.2 L1B FDM Product Header Analysis			
For all products, a series of pre-defined checks are carried out on the MPH and SP. Number of products with errors: 0	H in order to identify any inconsister	ncies and/or errors raised by the ground-segment processing chain.	
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	n processing.		
Number of products with errors: 3			
Product	Test Failed		
CS_OFFL_SIR_FDM_1B_20171024T084519_20171024T085119_C001	No Star Tracker file used	in the processing of this product	
CS_OFFL_SIR_FDM_1B_20171024T120607_20171024T120634_C001	No Star Tracker file used	in the processing of this product	
CS_OFFL_SIR_FDM_1B_20171024T153017_20171024T153034_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 bee	n used in processing.		
Number of products with errors: 0			
5.5 L1B FDM Auxilary Data File Usage Check			
	ermined becaling and also to shoeld	the velidity of Augultany Data Files is served	
Each product is checked for missing Data Set Descriptors with respect to a pre-detended of the set of products with errors: 0	ermined baseline and also to check	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 ro	ecord. The bit value of this flag indic	ates any problems when set.	
Number of products with errors: 0			
5.7 L1B FDM Measurement Confidence Data Check			
CryoSat L1B data includes a measurement confidence flag (field 18) for each meas	urement record. The bit value of this	s flag indicates any problems when set.	
Number of products with errors: 3			
Decduct	Tost Failed	Description	
Product CS OFFL SIR FDM 1B 20171024T084519 20171024T085119 C001	Test Failed Attitude correction missing	Description The attitude has not been corrected	
	-		
CS_OFFL_SIR_FDM_1B_20171024T120607_20171024T120634_C001	Attitude correction missing	The attitude has not been corrected	
CS_OFFL_SIR_FDM_1B_20171024T153017_20171024T153034_C001	Attitude correction missing	The attitude has not been corrected	
6. Leve	I 2 FDM Data Quality	Check	
6.1 L2 FDM Product Format Check			
Each product, retrieved and unpacked from the science server, is checked to ensur	re 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 SP	H in order to identify any inconsister	ncies and/or errors raised by the ground-segment processing chain.	
Number of products with errors: 0		-	
6.2.1.2 EDM Auxiliant Data Eila Llagge Chack			

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.

40

Number of products with errors:

Product CS OFFL SIR FDM 2 20171024T000149 20171024T003624 C001 CS_OFFL_SIR_FDM_2__20171024T004629_20171024T004851_C001 CS OFFL SIR FDM 2 20171024T004910 20171024T004917 C001 CS_OFFL_SIR_FDM_2__20171024T005741_20171024T010404_C001 CS_OFFL_SIR_FDM_2__20171024T010632_20171024T012229_C001 CS OFFL SIR FDM 2 20171024T014014 20171024T021544 C001 CS_OFFL_SIR_FDM_2__20171024T023757_20171024T030052_C001 CS_OFFL_SIR_FDM_2__20171024T032002_20171024T033454_C001 CS OFFL SIR FDM 2 20171024T035502 20171024T035525 C001 CS_OFFL_SIR_FDM_2__20171024T042744_20171024T044202_C001 CS OFFL SIR FDM 2 20171024T045856 20171024T051344 C001 CS_OFFL_SIR_FDM_2__20171024T051545_20171024T052508_C001 CS_OFFL_SIR_FDM_2__20171024T054547_20171024T054550_C001 CS OFFL SIR FDM 2 20171024T054611 20171024T054657 C001 CS_OFFL_SIR_FDM_2__20171024T054753_20171024T060438_C001 CS OFFL SIR FDM 2 20171024T063854 20171024T065355 C001 CS_OFFL_SIR_FDM_2__20171024T072717_20171024T073551_C001 CS_OFFL_SIR_FDM_2__20171024T073634_20171024T080234_C001 CS OFFL SIR FDM 2 20171024T081859 20171024T084200 C001 CS_OFFL_SIR_FDM_2__20171024T095743_20171024T102353_C001 CS OFFL SIR FDM 2 20171024T103217 20171024T103502 C001 CS_OFFL_SIR_FDM_2__20171024T104731_20171024T111920_C001 CS_OFFL_SIR_FDM_2__20171024T121115_20171024T121124_C001 CS OFFL SIR FDM 2 20171024T121133 20171024T121437 C001 CS_OFFL_SIR_FDM_2__20171024T122626_20171024T123530_C001 CS_OFFL_SIR_FDM_2__20171024T123815_20171024T125933_C001 CS_OFFL_SIR_FDM_2__20171024T140257_20171024T143815_C001 CS OFFL SIR FDM 2 20171024T154255 20171024T155608 C001 CS_OFFL_SIR_FDM_2__20171024T160049_20171024T161740_C001 CS_OFFL_SIR_FDM_2__20171024T165118_20171024T170827_C001 CS_OFFL_SIR_FDM_2__20171024T170903_20171024T170944_C001 CS_OFFL_SIR_FDM_2__20171024T173046_20171024T174109_C001 CS OFFL SIR FDM 2 20171024T183024 20171024T183456 C001 CS OFFL SIR FDM 2 20171024T183739 20171024T184328 C001 CS_OFFL_SIR_FDM_2__20171024T184450_20171024T184657_C001 CS_OFFL_SIR_FDM_2__20171024T191412_20171024T193449_C001 CS OFFL SIR FDM 2 20171024T205048 20171024T211417 C001 CS_OFFL_SIR_FDM_2__20171024T213033_20171024T214106_C001 CS OFFL SIR FDM 2 20171024T222747 20171024T224603 C001 CS OFFL SIR FDM 2 20171024T231123 20171024T234256 C001

Test Failed	Description
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	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 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 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 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 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	There is an error with the Sea State Bias Correction for one or more
Sea State Bias Correction, Altimetric	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 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 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 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 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

6.5 L2 FDM Measurement Confidence Data Check

3

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:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220171024T084519_20171024T085119_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220171024T120607_20171024T120634_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220171024T153017_20171024T153034_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: 24

Number of products with errors: 24		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_220171024T000149_20171024T003624_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_220171024T005741_20171024T010404_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_220171024T014014_20171024T021544_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_220171024T032002_20171024T033454_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_220171024T042744_20171024T044202_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_220171024T045856_20171024T051344_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_220171024T051545_20171024T052508_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_220171024T054753_20171024T060438_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_220171024T072717_20171024T073551_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_220171024T073634_20171024T080234_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_220171024T081859_20171024T084200_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_220171024T095743_20171024T102353_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_220171024T103217_20171024T103502_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_220171024T123815_20171024T125933_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_220171024T154255_20171024T155608_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_220171024T160049_20171024T161740_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_220171024T165118_20171024T170827_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_220171024T173046_20171024T174109_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_220171024T183024_20171024T183456_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_220171024T184450_20171024T184657_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_220171024T191412_20171024T193449_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_220171024T205048_20171024T211417_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_220171024T222747_20171024T224603_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_220171024T231123_20171024T234256_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.

6.7 L2 FDM SWH and Backscatter Measurement Check

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

|--|

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220171024T000149_20171024T003624_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_220171024T005741_20171024T010404_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_220171024T014014_20171024T021544_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_220171024T032002_20171024T033454_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_220171024T042744_20171024T044202_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_2_2017/024T046866_20171024T05154_CO01 CFI Backscetter Status Fug. SWH The master life ing is et by the CFI all, for one or more enorth, signated Averaging Status Fug. CS_OFFL_SIR_FDM_2_2017/024T051545_20171024T052566_CO01 CFI Backscetter Status Fug. SWH The master life ing is et by the CFI all, for one or more enorth, indicating it is easily the CFI all, for one or more records, indicating it is easily the CFI all, for one or more records, indicating it is easily the CFI all, for one or more records, indicating it is easily the CFI all, for one or more records, indicating it is easily the CFI all, for one or more records, indicating it is easily the CFI all, for one or more re		
CS_OFFL_SIR_FDM_2_20171024T051545_20171024T052508_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag The sackscatter Status Flag, SWH Squared Averaging Status Flag CS_OFFL_SIR_FDM_2_20171024T072717_20171024T073551_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag The sackscatter Status Flag, SWH Squared Averaging Status Flag CS_OFFL_SIR_FDM_2_20171024T072512_00171024T073551_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag The sackscatter Status Flag, SWH Squared Averaging Status Flag CS_OFFL_SIR_FDM_2_20171024T073534_20171024T073551_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag The sackscatter Status Flag, SWH Squared Averaging Status Flag CS_OFFL_SIR_FDM_2_20171024T061459_20171024T060234_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag The sackscatter Status Flag, SWH Squared Averaging Status Flag, SWH Squared Averaging Status Flag	CS_OFFL_SIR_FDM_220171024T045856_20171024T051344_C001	
CS_OFFL_SIR_FDM_2_201710241054753_20171024106048_C001 CPI Backscatter Status Flag. SWH Squared Averaging Status Flag Image Status Flag CS_OFFL_SIR_FDM_2_201710241072717_201710241073551_C001 CPI Backscatter Status Flag SWH Squared Averaging Status Flag Image Status Flag CS_OFFL_SIR_FDM_2_201710241073634_201710241080234_C001 CPI Backscatter Status Flag SWH Squared Averaging Status Flag Image Status Flag CS_OFFL_SIR_FDM_2_201710241081280_C001 CPI Backscatter Status Flag The master failing is set by the CPI call, for one or more records, more for these records. CS_OFFL_SIR_FDM_2_20171024108292_0011 CPI Backscatter Status Flag The master failing is set by the CPI call, for one or more records, more for these records. CS_OFFL_SIR_FDM_2_201710241103217_201710241103202_C001 CPI Backscatter Status Flag SWH Squared Averaging Status Flag The master failing is set by the CPI call, for one or more records, more for these records. CS_OFFL_SIR_FDM_2_201710241103217_20171024112593_C001 CPI Backscatter Status Flag The master failing is set by the CPI call, for one or more records, more for these records. CS_OFFL_SIR_FDM_2_20171024112593_C011 CPI Backscatter Status Flag SWH Squared Averaging Status Flag CS_OFFL_SIR_FDM_2_20171024112593_C011 CPI Backscatter Status Flag SWH Squared Averaging Status Flag CS_OFFL_SIR_FDM_2_201710241126960_C0110 CPI Backscatter Status Flag	CS_OFFL_SIR_FDM_220171024T051545_20171024T052508_C001	indicating the values stored in fields #41, #42, #43 and #44 should be
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CS_OFFL_SIR_FDM_2_20171024T184450_20171024T184657_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records. CS_OFFL_SIR_FDM_2_20171024T191412_20171024T193449_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_2_20171024T205048_20171024T211417_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_2_20171024T222747_20171024T224603_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_2_20171024T222747_20171024T224603_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_2_20171024T223123_20171024T234256_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag, SWH Squared Averaging Status Flag, SWH 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 ignore	CS_OFFL_SIR_FDM_220171024T183024_20171024T183456_C001	indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20171024T191412_20171024T193449_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records. CS_OFFL_SIR_FDM_2_20171024T205048_20171024T211417_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_2_20171024T222747_20171024T224603_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_2_20171024T222747_20171024T224603_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_2_20171024T231123_20171024T234256_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag, SWH 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_220171024T184450_20171024T184657_C001	indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20171024T205048_20171024T211417_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records. CS_OFFL_SIR_FDM_2_20171024T222747_20171024T224603_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_2_20171024T221747_20171024T224603_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_2_20171024T231123_20171024T234256_C001 CFI Backscatter Status Flag, SWH Squared Averaging Status Flag, SWH 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	CS_OFFL_SIR_FDM_220171024T191412_20171024T193449_C001	indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20171024T222747_20171024T224603_C001 Squared Averaging Status Flag, SWH Squared Averaging Status Flag, SWH Squared Averaging Status Flag, SWH CFI Backscatter Status Flag, SWH CFI Backscatter Status Flag, SWH Squared Averaging Status Flag, SWH	CS_OFFL_SIR_FDM_220171024T205048_20171024T211417_C001	indicating the values stored in fields #41, #42, #43 and #44 should be
CS_OFFL_SIR_FDM_2_20171024T231123_20171024T234256_C001 UCH Backscatter Status Flag, SWH indicating the values stored in fields #41, #42, #43 and #44 should be	CS_OFFL_SIR_FDM_220171024T222747_20171024T224603_C001	indicating the values stored in fields #41, #42, #43 and #44 should be
	CS_OFFL_SIR_FDM_220171024T231123_20171024T234256_C001	indicating the values stored in fields #41, #42, #43 and #44 should be

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.

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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220171024T000149_20171024T003624_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_220171024T004629_20171024T004851_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_220171024T005741_20171024T010404_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_220171024T014014_20171024T021544_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_220171024T023757_20171024T030052_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_220171024T032002_20171024T033454_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_220171024T033503_20171024T033639_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_220171024T034121_20171024T035459_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_220171024T040820_20171024T042539_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_220171024T042744_20171024T044202_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_220171024T045856_20171024T051344_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_220171024T051545_20171024T052508_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_220171024T054753_20171024T060438_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_220171024T061003_20171024T062242_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_220171024T065716_20171024T070006_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_220171024T072717_20171024T073551_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_220171024T073634_20171024T080234_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_220171024T081859_20171024T084200_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_220171024T085518_20171024T085534_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_220171024T091438_20171024T092519_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_220171024T095743_20171024T102353_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_220171024T103217_20171024T103502_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_220171024T122626_20171024T123530_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_220171024T123815_20171024T125933_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_220171024T140257_20171024T143815_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_220171024T145727_20171024T152911_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_220171024T154255_20171024T155608_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_220171024T160049_20171024T161740_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_220171024T165118_20171024T170827_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_220171024T173046_20171024T174109_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_220171024T174249_20171024T175622_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_220171024T181854_20171024T182540_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_220171024T183024_20171024T183456_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_220171024T183739_20171024T184328_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_220171024T184450_20171024T184657_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_220171024T191412_20171024T193449_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_220171024T195119_20171024T201849_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_220171024T205048_20171024T211417_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_220171024T213033_20171024T214106_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_220171024T221805_20171024T221837_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_220171024T222747_20171024T224603_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_220171024T231123_20171024T234256_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.
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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_	160	160	160	0	0
SIR1SAR_0_	95	95	95	0	0
SIR1SIN_0_	103	103	103	0	0
SIR2SIN_0_	107	107	107	0	0
SIR_FDM_1B	160	160	160	0	0
SIR_FDM_2	157	157	157	0	0

7.1 QCC Errors	
Number of QCC reports with errors:	0
7.2 QCC Warnings	
Number of QCC reports with warnings	0
7.3 Missing QCC Reports	
Number of products with missing QCC reports:	1
Product name CS_OPER_SIR1SIN_020171024T204642_20171024T	204815_0001