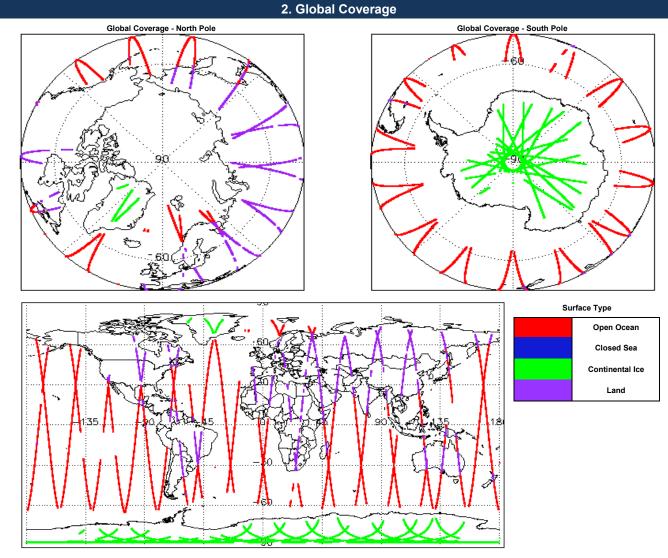


IDEAS+ Daily Report for FDM data:

<u>05/06/2017</u>

eport Production Date:	06-Jun-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	

wission / instru	ment News
04-Jun-2017	None
05-Jun-2017	None
06-Jun-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	SPH in order to identify any inconsistence	cies and/or errors raised by the processing chain.		
Number of products with errors: 6				
Product	Test Failed			
CS OPER SIR1SAR 0 20170605T223457 20170605T224208 0001.HDR		Percentage of processing errors detected greater than minimum acceptable threshold.		
CS_OPER_SIR1SAR_020170605T135447_20170605T135743_0001.HDR		errors detected greater than minimum acceptable threshold.		
CS_OPER_SIR1SAR_020170605T155723_20170605T160227_0001.HDR		errors detected greater than minimum acceptable threshold.		
S_OPER_SIR1SIN_0_20170605T160227_20170605T161415_0001.HDR Percentage of processing errors detected greater than minimum acceptable threshold.				
CS_OPER_SIR2SIN_020170605T015753_20170605T020129_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.			
CS_OPER_SIR2SIN_0_20170605T160227_20170605T161415_0001.HDR Percentage of processing errors detected greater than minimum acceptable threshold.				
5. Leve 5.1 L1B FDM Product Format Check	el 1B FDM Data Quality	Check		
5.1 L1B FDM Product Format Check				
Each product, retrieved and unpacked from the science server, is checked to ens	sure it consists of both an XML header f	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	3PH in order to identify any inconsistence	sies 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				
	Test Failed			
CS_OFFL_SIR_FDM_1B_20170605T154551_20170605T155148_C001		the processing of this product		
CS_OFFL_SIR_FDM_1B_20170605T172605_20170605T172831_C001		the processing of this product		
CS_OFFL_SIR_FDM_1B_20170605T190647_20170605T190706_C001		the processing of this product		
CS_OFFL_SIR_FDM_1B_20170605T223053_20170605T223113_C001	No Star Tracker file used in	the processing of this product		
5.4 L1B FDM Calibration Usage Check				
Fach maduat is abacted in order to anound the apacessory adibustion files have b	een wood in numerooning			
Each product is checked in order to ensure the necessary calibration files have b Number of products with errors: 0	een used in processing.			
5.5 L1B FDM Auxilary Data File Usage Check				
Each product is checked for missing Data Set Descriptors with respect to a pre-d	etermined baseline and also to check the	ne validity of Auxiliary Data Files is correct.		
Number of products with errors: 0				
CALAR FRM Availians Ocean stick France Observe				
5.6 L1B FDM Auxiliary Correction Error Check				
CryoSat L1B data includes a correction error flag (field 54) for each measuremen	t record. The bit value of this flag indica	tes 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 me	asurement record. The hit value of this	flag indicates any problems when set		
Number of products with errors: 5		nag indicates any problems when set.		
•	- . -			
Product	Test Failed	Description		
CS_OFFL_SIR_FDM_1B_20170605T154551_20170605T155148_C001	Attitude correction missing	The attitude has not been corrected		
CS_OFFL_SIR_FDM_1B_20170605T172605_20170605T172831_C001	Attitude correction missing	The attitude has not been corrected		
CS_OFFL_SIR_FDM_1B_20170605T184906_20170605T185351_C001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set,		
CS_OFFL_SIR_FDM_1B_20170605T190647_20170605T190706_C001	Attitude correction missing	indicating a degraded echo The attitude has not been corrected		
	-			
CS_OFFL_SIR_FDM_1B_20170605T223053_20170605T223113_C001	Attitude correction missing	The attitude has not been corrected		
6. Lev	el 2 FDM Data Quality	Check		
6.1 L2 FDM Product Format Check				
Each product, retrieved and unpacked from the science server, is checked to ens Number of products with errors: 0	ure it consists of both an XML header f	ile (.HDR) and a binary product file (.DBL).		
6.2 L2 FDM 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 inconsistent	sies and/or errors raised by the ground-segment processing chain		
Number of products, a series of pre-defined checks are carried out on the MPH and construction of products with errors: 0		and a more block by the ground segment processing chain.		
6.3 L2 FDM Auxiliary Data File Usage Check				
	Intermined here for and the table of the	na uslidiu of Augilian Dale Fila- '		
Each product is checked for missing Data Set Descriptors with respect to a pre-d	etermined baseline and also to check the	ne valiaity 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.

36

Number of products with errors:

Product
CS_OFFL_SIR_FDM_220170604T235419_20170605T000859_C001
CS_OFFL_SIR_FDM_220170605T002543_20170605T003809_C001
CS_OFFL_SIR_FDM_220170605T030307_20170605T032712_C001
CS_OFFL_SIR_FDM_220170605T034225_20170605T035403_C001
CS_OFFL_SIR_FDM_220170605T035904_20170605T041011_C001
CS_OFFL_SIR_FDM_220170605T043927_20170605T050700_C001
CS_OFFL_SIR_FDM_220170605T052220_20170605T053244_C001
CS_OFFL_SIR_FDM_220170605T060908_20170605T061156_C001
CS_OFFL_SIR_FDM_220170605T064440_20170605T064555_C001
CS_OFFL_SIR_FDM_220170605T070148_20170605T073633_C001
CS_OFFL_SIR_FDM_220170605T074947_20170605T074958_C001
CS_OFFL_SIR_FDM_220170605T080707_20170605T082430_C001
CS_OFFL_SIR_FDM_220170605T084037_20170605T091643_C001
CS_OFFL_SIR_FDM_220170605T102035_20170605T103501_C001
CS_OFFL_SIR_FDM_220170605T104201_20170605T105624_C001
CS_OFFL_SIR_FDM_220170605T110931_20170605T112612_C001
CS_OFFL_SIR_FDM_220170605T112816_20170605T114245_C001
CS_OFFL_SIR_FDM_220170605T115926_20170605T121426_C001
CS_OFFL_SIR_FDM_220170605T121626_20170605T122548_C001
CS_OFFL_SIR_FDM_220170605T125255_20170605T130515_C001
CS_OFFL_SIR_FDM_220170605T135743_20170605T135954_C001
CS_OFFL_SIR_FDM_220170605T143710_20170605T144042_C001
CS_OFFL_SIR_FDM_220170605T144044_20170605T150322_C001
CS_OFFL_SIR_FDM_220170605T151853_20170605T154242_C001
CS_OFFL_SIR_FDM_220170605T163135_20170605T164203_C001
CS_OFFL_SIR_FDM_220170605T165725_20170605T172535_C001
CS_OFFL_SIR_FDM_220170605T172910_20170605T173435_C001
CS_OFFL_SIR_FDM_220170605T174805_20170605T182046_C001
CS_OFFL_SIR_FDM_220170605T183643_20170605T184124_C001
CS_OFFL_SIR_FDM_220170605T193851_20170605T200037_C001
CS_OFFL_SIR_FDM_220170605T201633_20170605T203358_C001
CS_OFFL_SIR_FDM_220170605T210338_20170605T213903_C001
CS_OFFL_SIR_FDM_220170605T215808_20170605T222923_C001
CS_OFFL_SIR_FDM_220170605T230126_20170605T231842_C001
CS_OFFL_SIR_FDM_220170605T233617_20170605T234945_C001
CS_OFFL_SIR_FDM_220170605T235159_20170606T000511_C001

	Test Failed	Description
01	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias
. .	Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
01	Wind Speed	Correction for one or more records
01	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
01	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
01	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
01	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
01	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
01	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
01	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
01	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
101	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
01	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
01	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
01	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
01	Sea State Bias Correction, Mean Sea Surface height, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed, the Sea State Bias Correction and the Mean Sea Surface Height for one or more records
01	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
01	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
01	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
101	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
01	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
101	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
01	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
01	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
01	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
01	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
101	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 Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
101	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
01	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
01	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
01	Wind Speed	Correction for one or more records There is an error with the Sea State Bias Correction for one or more
01	Sea State Bias Correction	records
01	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
01	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
01	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
01	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
101	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
eck		
- • • •		

6.5 L2 FDM Measurement Confidence Data Check

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

 Number of products with errors:
 4

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220170605T154551_20170605T155148_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220170605T172605_20170605T172831_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220170605T190647_20170605T190706_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220170605T223053_20170605T223113_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

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220170604T235419_20170605T000859_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_220170605T002543_20170605T003809_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_220170605T030307_20170605T032712_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_220170605T043927_20170605T050700_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_220170605T052220_20170605T053244_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_220170605T064440_20170605T064555_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_220170605T084037_20170605T091643_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_220170605T102035_20170605T103501_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_220170605T104201_20170605T105624_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_220170605T112816_20170605T114245_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_220170605T115926_20170605T121426_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_220170605T121626_20170605T122548_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_220170605T125255_20170605T130515_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_220170605T135743_20170605T135954_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_220170605T143710_20170605T144042_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_220170605T151853_20170605T154242_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_220170605T165725_20170605T172535_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_220170605T172910_20170605T173435_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_220170605T174805_20170605T182046_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_220170605T210338_20170605T213903_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_220170605T215808_20170605T222923_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_220170605T230126_20170605T231842_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_220170605T233617_20170605T234945_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_220170605T235159_20170606T000511_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

24

Number of products with errors:

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_220170604T235419_20170605T000859_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_220170605T002543_20170605T003809_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_220170605T030307_20170605T032712_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_220170605T043927_20170605T050700_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_220170605T052220_20170605T053244_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_220170605T064440_20170605T064555_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_220170605T084037_20170605T091643_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_220170605T102035_20170605T103501_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_220170605T104201_20170605T105624_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_220170605T112816_20170605T114245_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_220170605T115926_20170605T121426_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_220170605T121626_20170605T122548_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_220170605T125255_20170605T130515_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_220170605T135743_20170605T135954_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_220170605T143710_20170605T144042_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_220170605T151853_20170605T154242_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_220170605T165725_20170605T172535_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_220170605T172910_20170605T173435_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_220170605T174805_20170605T182046_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_220170605T210338_20170605T213903_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_220170605T215808_20170605T222923_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_220170605T230126_20170605T231842_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_220170605T233617_20170605T234945_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_220170605T235159_20170606T000511_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.

36

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220170604T235419_20170605T000859_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_220170605T002543_20170605T003809_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_220170605T004249_20170605T005425_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_220170605T020348_20170605T022920_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_220170605T030307_20170605T032712_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_220170605T043927_20170605T050700_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_220170605T052220_20170605T053244_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_220170605T060908_20170605T061156_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_220170605T064440_20170605T064555_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_220170605T070148_20170605T073633_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_220170605T080707_20170605T082430_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_220170605T084037_20170605T091643_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_220170605T093834_20170605T100131_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_220170605T102035_20170605T103501_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_220170605T104201_20170605T105624_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_220170605T110931_20170605T112612_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_220170605T112816_20170605T114245_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_220170605T115926_20170605T121426_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_220170605T121626_20170605T122548_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_220170605T125255_20170605T130515_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_220170605T131037_20170605T132329_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_220170605T135743_20170605T135954_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_220170605T143710_20170605T144042_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_220170605T144044_20170605T150322_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_220170605T151853_20170605T154242_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_2_20170605T161441_20170605T162557_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_220170605T165725_20170605T172535_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_220170605T172910_20170605T173435_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_220170605T174805_20170605T182046_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_220170605T192700_20170605T193607_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_220170605T193851_20170605T200037_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_220170605T210338_20170605T213903_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_220170605T215808_20170605T222923_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_220170605T230126_20170605T231842_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_220170605T233617_20170605T234945_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_220170605T235159_20170606T000511_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.

7. QCC Report Analysis

The Quality Control for CryoSat (QCC) facility performs a primary survey of data products immediately after production by the PDS and LTA processing facilities. A list of the tests which raised errors or warnings is provided below.

Product type	Nb. Products	Nb. QCC Reports	Nb. Valid	Nb. Warnings	Nb. Errors
SIR1LRM_0_	138	138	138	0	0
SIR1SAR_0_	113	113	113	0	0
SIR1SIN_0_	98	98	98	0	0
SIR2SIN_0_	97	97	97	0	0
SIR_FDM_1B	138	138	138	0	0
SIR_FDM_2	135	133	133	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:	2		