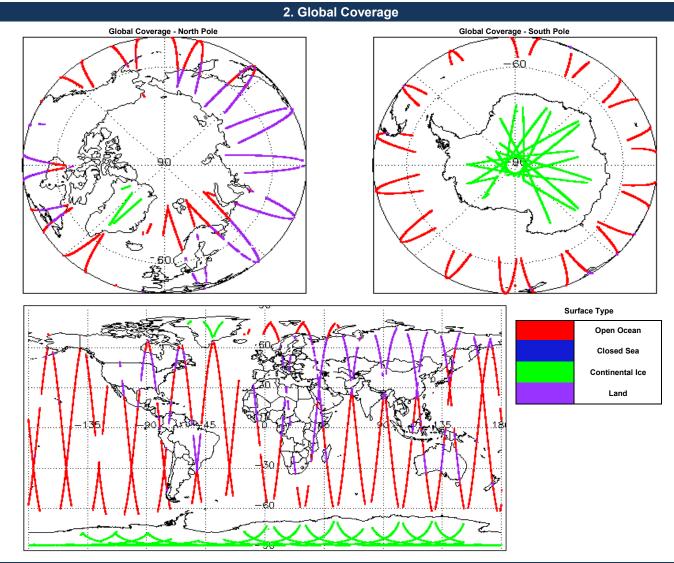


IDEAS+ Daily Report for FDM data:

<u>03/08/2016</u>

port Production Date:	04-Aug-2016	Check	Status
report Froduction 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 Osec.		Product Header Analysis	See Section 4.2
		Star Tracker Usage Check	See Section 5.3
		Calibration Usage Check	Nominal
		Auxiliary Data File Usage Check	Nominal
		Auxiliary Correction Error Check	See Section 6.4
		Measurement Confidence Data Check	See Section 5.7, 6.5, 6.6, 6.7 and 6.8

Mission / Instru	Mission / Instrument News		
02-Aug-2016	None		
03-Aug-2016	None		
04-Aug-2016	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

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				
· · · · · · · · · · · · · · · · · · ·	SPH in order to identify any inconsistencie	s and/or arrors raised by the processing chain		
For all products, a series of pre-defined checks are carried out on the MPH and Number of products with errors: 3	SPH in order to identify any inconsistencie:	s and/or errors raised by the processing chain.		
•				
Product CS_OPER_SIR1SAR_0_20160803T021725_20160803T022337_0001.HDR	Test Failed Percentage of processing error	ors detected greater than minimum acceptable threshold.		
CS_OPER_SIR2SIN_020160803T162804_20160803T163458_0001.HDR		ors detected greater than minimum acceptable threshold.		
CS_OPER_SIR2SIN_020160803T202516_20160803T202915_0001.HDR	Percentage of processing error	ors detected greater than minimum acceptable threshold.		
5. Lev	vel 1B FDM Data Quality (Check		
5.1 L1B FDM Product Format Check				
Each product, retrieved and unpacked from the science server, is checked to er	nsure 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	SPH in order to identify any inconsistencie	s 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 use	ed in processing.			
Number of products with errors: 4				
Product	Test Failed			
CS_OFFL_SIR_FDM_1B_20160803T070608_20160803T071244_C001	No Star Tracker file used in th	ne processing of this product		
CS_OFFL_SIR_FDM_1B_20160803T084826_20160803T084939_C001	No Star Tracker file used in th	e processing of this product		
CS_OFFL_SIR_FDM_1B_20160803T102801_20160803T102824_C001	No Star Tracker file used in th	No Star Tracker file used in the processing of this product		
CS_OFFL_SIR_FDM_1B_20160803T135149_20160803T135303_C001 No Star Tracker file used in the processing of this product				
5.4 L1B FDM Calibration Usage Check				
Each product is checked in order to ensure the necessary calibration files have	been used in processing.			
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-	-determined 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 measureme	ent record. The bit value of this flag indicate	s 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 m Number of products with errors: 7	easurement record. The bit value of this fla	g indicates any problems when set.		
Product	Test Failed	Description		
Product		The tracking echo has returned an error and the Rx1 Echo Error flag is set.		
CS_OFFL_SIR_FDM_1B_20160803T041032_20160803T042514_C001	LECTIO ETTOL, LKK ECTIO ETTOL			
CS_OFFL_SIR_FDM_1B_20160803T041032_20160803T042514_C001 CS_OFFL_SIR_FDM_1B_20160803T070608_20160803T071244_C001	Echo error, TRK echo error Echo error, TRK echo error, Attitude correction missing			
CS_OFFL_SIR_FDM_1B_20160803T070608_20160803T071244_C001	Echo error, TRK echo error, Attitude correction missing	The tracking echo has returned an error and the Rx1 Echo Error flag is set indicating a degraded echo		
CS_OFFL_SIR_FDM_1B_20160803T070608_20160803T071244_C001 CS_OFFL_SIR_FDM_1B_20160803T084826_20160803T084939_C001	Echo error, TRK echo error, Attitude correction missing Attitude correction missing	The tracking echo has returned an error and the Rx1 Echo Error flag is set indicating a degraded echo The attitude has not been corrected		
CS_OFFL_SIR_FDM_1B_20160803T070608_20160803T071244_C001 CS_OFFL_SIR_FDM_1B_20160803T084826_20160803T084939_C001 CS_OFFL_SIR_FDM_1B_20160803T102801_20160803T102824_C001	Echo error, TRK echo error, Attitude correction missing Attitude correction missing Attitude correction missing	The tracking echo has returned an error and the Rx1 Echo Error flag is set indicating a degraded echo The attitude has not been corrected The tracking echo has returned an error and the Rx1 Echo Error flag is set		
CS_OFFL_SIR_FDM_1B_20160803T070608_20160803T071244_C001 CS_OFFL_SIR_FDM_1B_20160803T084826_20160803T084939_C001 CS_OFFL_SIR_FDM_1B_20160803T102801_20160803T102824_C001 CS_OFFL_SIR_FDM_1B_20160803T135149_20160803T135303_C001	Echo error, TRK echo error, Attitude correction missing Attitude correction missing Attitude correction missing Attitude correction missing	The tracking echo has returned an error and the Rx1 Echo Error flag is set indicating a degraded echo The attitude has not been corrected The tracking echo has returned an error and the Rx1 Echo Error flag is set indicating a degraded echo		
CS_OFFL_SIR_FDM_1B_20160803T070608_20160803T071244_C001 CS_OFFL_SIR_FDM_1B_20160803T084826_20160803T084939_C001 CS_OFFL_SIR_FDM_1B_20160803T102801_20160803T102824_C001 CS_OFFL_SIR_FDM_1B_20160803T135149_20160803T135303_C001 CS_OFFL_SIR_FDM_1B_20160803T165926_20160803T170853_C001 CS_OFFL_SIR_FDM_1B_20160803T190344_20160803T190922_C001	Echo error, TRK echo error, Attitude correction missing Attitude correction missing Attitude correction missing Attitude correction missing Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo The attitude has not been corrected The attitude has not been corrected The attitude has not been corrected The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo		
CS_OFFL_SIR_FDM_1B_20160803T070608_20160803T071244_C001 CS_OFFL_SIR_FDM_1B_20160803T084826_20160803T084939_C001 CS_OFFL_SIR_FDM_1B_20160803T102801_20160803T102824_C001 CS_OFFL_SIR_FDM_1B_20160803T135149_20160803T135303_C001 CS_OFFL_SIR_FDM_1B_20160803T165926_20160803T170853_C001 CS_OFFL_SIR_FDM_1B_20160803T190344_20160803T190922_C001 6. Le	 Echo error, TRK echo error, Attitude correction missing Attitude correction missing Attitude correction missing Attitude correction missing Echo error, TRK echo error Echo error, TRK echo error 	The tracking echo has returned an error and the Rx1 Echo Error flag is set indicating a degraded echo The attitude has not been corrected The attitude has not been corrected The attitude has not been corrected The tracking echo has returned an error and the Rx1 Echo Error flag is set indicating a degraded echo The tracking echo has returned an error and the Rx1 Echo Error flag is set indicating a degraded echo		
CS_OFFL_SIR_FDM_1B_20160803T070608_20160803T071244_C001 CS_OFFL_SIR_FDM_1B_20160803T084826_20160803T084939_C001 CS_OFFL_SIR_FDM_1B_20160803T102801_20160803T102824_C001 CS_OFFL_SIR_FDM_1B_20160803T135149_20160803T135303_C001 CS_OFFL_SIR_FDM_1B_20160803T165926_20160803T170853_C001 CS_OFFL_SIR_FDM_1B_20160803T190344_20160803T190922_C001	Echo error, TRK echo error, Attitude correction missing Attitude correction missing Attitude correction missing Echo error, TRK echo error Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set indicating a degraded echo The attitude has not been corrected The tracking echo has returned an error and the Rx1 Echo Error flag is set indicating a degraded echo The tracking echo has returned an error and the Rx1 Echo Error flag is set indicating a degraded echo The tracking echo has returned an error and the Rx1 Echo Error flag is set indicating a degraded echo		

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 20160803T000211 20160803T003452 C001 CS_OFFL_SIR_FDM_2__20160803T003454_20160803T003805_C001 CS OFFL SIR FDM 2 20160803T014155 20160803T015827 C001 CS_OFFL_SIR_FDM_2__20160803T020308_20160803T021724_C001 CS_OFFL_SIR_FDM_2__20160803T023041_20160803T024710_C001 CS OFFL SIR FDM 2 20160803T024924 20160803T030342 C001 CS_OFFL_SIR_FDM_2__20160803T033707_20160803T034650_C001 CS_OFFL_SIR_FDM_2__20160803T041032_20160803T042514_C001 CS_OFFL_SIR_FDM_2__20160803T043122_20160803T044438_C001 CS_OFFL_SIR_FDM_2__20160803T050042_20160803T051651_C001 CS OFFL SIR FDM 2 20160803T051709 20160803T052357 C001 CS_OFFL_SIR_FDM_2__20160803T054859_20160803T055643_C001 CS_OFFL_SIR_FDM_2__20160803T055829_20160803T062422_C001 CS OFFL SIR FDM 2 20160803T064036 20160803T070415 C001 CS OFFL SIR FDM 2 20160803T071244 20160803T071516 C001 CS OFFL SIR FDM 2 20160803T075244 20160803T080241 C001 CS OFFL SIR FDM 2 20160803T081919 20160803T084628 C001 CS_OFFL_SIR_FDM_2__20160803T085243_20160803T085708_C001 CS OFFL SIR FDM 2 20160803T090856 20160803T094138 C001 CS_OFFL_SIR_FDM_2__20160803T103231_20160803T103619_C001 CS OFFL SIR FDM 2 20160803T105959 20160803T112116 C001 CS OFFL SIR FDM 2 20160803T113850 20160803T114832 C001 CS OFFL SIR FDM 2 20160803T121306 20160803T121320 C001 CS_OFFL_SIR_FDM_2__20160803T122453_20160803T125957_C001 CS_OFFL_SIR_FDM_2__20160803T140309_20160803T141753_C001 CS_OFFL_SIR_FDM_2__20160803T142235_20160803T142335_C001 CS OFFL SIR FDM 2 20160803T142341 20160803T143927 C001 CS_OFFL_SIR_FDM_2__20160803T145705_20160803T151052_C001 CS OFFL SIR FDM 2 20160803T151306 20160803T152922 C001 CS_OFFL_SIR_FDM_2__20160803T155236_20160803T160254_C001 CS_OFFL_SIR_FDM_2__20160803T160434_20160803T161812_C001 CS_OFFL_SIR_FDM_2__20160803T163843_20160803T164856_C001 CS_OFFL_SIR_FDM_2__20160803T165122_20160803T165643_C001 CS OFFL SIR FDM 2 20160803T181302 20160803T184038 C001 CS_OFFL_SIR_FDM_2__20160803T190147_20160803T190220_C001 CS_OFFL_SIR_FDM_2__20160803T191258_20160803T193613_C001 CS OFFL SIR FDM 2 20160803T195219 20160803T200254 C001 CS OFFL SIR FDM 2 20160803T203758 20160803T204505 C001 CS OFFL SIR FDM 2 20160803T205349 20160803T210621 C001 CS OFFL SIR FDM 2 20160803T211129 20160803T211538 C001 CS_OFFL_SIR_FDM_2__20160803T221650_20160803T221724_C001 CS_OFFL_SIR_FDM_2__20160803T224029_20160803T225328_C001 CS_OFFL_SIR_FDM_2__20160803T231123_20160803T233230_C001

	Failed	Description
	State Bias Correction, Altimetric	There is an error with the Altimetric Wind
	Speed State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind
	Speed	Correction for one or more records
	State Bias Correction, Altimetric Speed	There is an error with the Altimetric Wind Correction for one or more records
	State Bias Correction, Altimetric	There is an error with the Altimetric Wind
Wind	Speed	Correction for one or more records
Sea S	State Bias Correction	There is an error with the Sea State Bias records
Sea S	State Bias Correction, Altimetric	There is an error with the Altimetric Wind
	Speed	Correction for one or more records
	State Bias Correction, Altimetric Speed	There is an error with the Altimetric Wind Correction for one or more records
	State Bias Correction, Altimetric	There is an error with the Altimetric Wind
	Speed State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind
	Speed	Correction for one or more records
Sea S	State Bias Correction	There is an error with the Sea State Bias records
0	Note Dire Ormentien	There is an error with the Sea State Bias
	State Bias Correction	records
	State Bias Correction, Altimetric Speed	There is an error with the Altimetric Wind Correction for one or more records
	State Bias Correction, Altimetric	There is an error with the Altimetric Wind
	Speed	Correction for one or more records There is an error with the Altimetric Wind
	State Bias Correction, Altimetric Speed	Correction for one or more records
	State Bias Correction, Altimetric	There is an error with the Altimetric Wind
	Speed State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind
	Speed	Correction for one or more records
	State Bias Correction, Altimetric	There is an error with the Altimetric Wind Correction for one or more records
	Speed State Bias Correction, Altimetric	There is an error with the Altimetric Wind
	Speed	Correction for one or more records
Sea S	State Bias Correction	There is an error with the Sea State Bias records
Sea S	State Bias Correction, Altimetric	There is an error with the Altimetric Wind
	Speed	Correction for one or more records
	State Bias Correction, Altimetric Speed	There is an error with the Altimetric Wind Correction for one or more records
	State Bias Correction, Altimetric	There is an error with the Altimetric Wind
	Speed State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind
	Speed	Correction for one or more records
	State Bias Correction, Altimetric Speed	There is an error with the Altimetric Wind Correction for one or more records
	State Bias Correction, Altimetric	There is an error with the Altimetric Wind
Wind	Speed	Correction for one or more records
Sea S	State Bias Correction	There is an error with the Sea State Bias records
	State Bias Correction, Altimetric	There is an error with the Altimetric Wind
	Speed State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind
	Speed	Correction for one or more records
	State Bias Correction, Altimetric	There is an error with the Altimetric Wind
	Speed State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind
	Speed	Correction for one or more records
	State Bias Correction, Altimetric Speed	There is an error with the Altimetric Wind Correction for one or more records
	State Bias Correction, Altimetric	There is an error with the Altimetric Wind
	Speed State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind
	Speed	Correction for one or more records
Sea S	State Bias Correction	There is an error with the Sea State Bias
Sea S	State Bias Correction, Altimetric	records There is an error with the Altimetric Wind
	Speed	Correction for one or more records
Sea S	State Bias Correction	There is an error with the Sea State Bias records
6.00	State Bias Correction	There is an error with the Sea State Bias
		records
	State Bias Correction, Altimetric Speed	There is an error with the Altimetric Wind Correction for one or more records
Sea S	State Bias Correction, Altimetric	There is an error with the Altimetric Wind
	Speed	Correction for one or more records There is an error with the Altimetric Wind
	State Bias Correction, Altimetric Speed	Correction for one or more records
Sea S	State Bias Correction, Altimetric	There is an error with the Altimetric Wind
	Speed State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind
	Speed	Correction for one or more records
Sea S	State Bias Correction	There is an error with the Sea State Bias records
1		

Speed and Sea State Bias

Correction for one or more

Speed and Sea State Bias

Correction for one or more

Correction for one or more

Speed and Sea State Bias

Correction for one or more

Speed and Sea State Bias

Correction for one or more

Speed and Sea State Bias

Correction for one or more

Speed and Sea State Bias

Correction for one or more

Correction for one or more

Speed and Sea State Bias

Correction for one or more

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: 7

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220160803T041032_20160803T042514_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220160803T070608_20160803T071244_C001	Echo error, Attitude correction missing	The Echo Rx1 Error flag is set, indicating a degraded raw echo. The attitude
CS_OFFL_SIR_FDM_220160803T084826_20160803T084939_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220160803T102801_20160803T102824_C001	Attitude correction missing	The attitude has not been corrected

CS_OFFL_SIR_FDM_2__20160803T135149_20160803T135303_C001 CS_OFFL_SIR_FDM_2__20160803T165926_20160803T170853_C001 CS_OFFL_SIR_FDM_2__20160803T190344_20160803T190922_C001

Attitude correction missing	The attitude has not been corrected
Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
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: 26

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220160803T000211_20160803T003452_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_220160803T003454_20160803T003805_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_220160803T014155_20160803T015827_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_220160803T020308_20160803T021724_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_220160803T024924_20160803T030342_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_220160803T033707_20160803T034650_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_220160803T041032_20160803T042514_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_220160803T054859_20160803T055643_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_220160803T055829_20160803T062422_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_220160803T064036_20160803T070415_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_220160803T071244_20160803T071516_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_220160803T081919_20160803T084628_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_220160803T085243_20160803T085708_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_220160803T103231_20160803T103619_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_220160803T122453_20160803T125957_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_220160803T140309_20160803T141753_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_220160803T142341_20160803T143927_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_220160803T145705_20160803T151052_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_220160803T151306_20160803T152922_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_220160803T155236_20160803T160254_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_220160803T165122_20160803T165643_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_220160803T190147_20160803T190220_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_220160803T203758_20160803T204505_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_220160803T205349_20160803T210621_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.
S_OFFL_SIR_FDM_220160803T211129_20160803T211538_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_220160803T224029_20160803T225328_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

26

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

Number of	products	with errors:	
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Product	Test Failed	Description
CS_OFFL_SIR_FDM_220160803T000211_20160803T003452_C001	CFI Backscatter 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_220160803T003454_20160803T003805_C001	CFI Backscatter 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.

	1	
CS_OFFL_SIR_FDM_220160803T014155_20160803T015827_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_220160803T020308_20160803T021724_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_220160803T024924_20160803T030342_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_220160803T033707_20160803T034650_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_220160803T041032_20160803T042514_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_220160803T054859_20160803T055643_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_220160803T055829_20160803T062422_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_220160803T064036_20160803T070415_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_220160803T071244_20160803T071516_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_220160803T081919_20160803T084628_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_220160803T085243_20160803T085708_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_220160803T103231_20160803T103619_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_220160803T122453_20160803T125957_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_220160803T140309_20160803T141753_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_220160803T142341_20160803T143927_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_220160803T145705_20160803T151052_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_220160803T151306_20160803T152922_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_220160803T155236_20160803T160254_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_220160803T165122_20160803T165643_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_220160803T190147_20160803T190220_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_220160803T203758_20160803T204505_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_220160803T205349_20160803T210621_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_220160803T211129_20160803T211538_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_220160803T224029_20160803T225328_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:
 49

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220160803T000211_20160803T003452_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_220160803T003454_20160803T003805_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_220160803T014155_20160803T015827_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_220160803T020308_20160803T021724_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_220160803T023041_20160803T024710_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_220160803T024924_20160803T030342_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_220160803T032046_20160803T033456_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_220160803T033707_20160803T034650_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_220160803T041032_20160803T042514_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_220160803T050042_20160803T051651_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_220160803T051709_20160803T052357_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_220160803T054819_20160803T054829_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_220160803T054859_20160803T055643_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__20160803T055829_20160803T062422_C001 CS_OFFL_SIR_EDM_2__20160803T064036_20160803T070415_C001 CS_OFFL_SIR_FDM_2__20160803T071244_20160803T071516_C001 CS_OFFL_SIR_FDM_2__20160803T071653_20160803T071732_C001 CS OFFL SIR FDM 2 20160803T081919 20160803T084628 C001 CS_OFFL_SIR_FDM_2__20160803T085243_20160803T085708_C001 CS_OFFL_SIR_FDM_2__20160803T090856_20160803T094138_C001 CS OFFL SIR FDM 2 20160803T100519 20160803T100849 C001 CS_OFFL_SIR_FDM_2__20160803T103231_20160803T103619_C001 CS_OFFL_SIR_FDM_2__20160803T104758_20160803T105713_C001 CS OFFL SIR FDM 2 20160803T105959 20160803T112116 C001 CS_OFFL_SIR_FDM_2__20160803T122453_20160803T125957_C001 CS OFFL SIR FDM 2 20160803T140309 20160803T141753 C001 CS_OFFL_SIR_FDM_2__20160803T142235_20160803T142335_C001 CS_OFFL_SIR_FDM_2__20160803T142341_20160803T143927_C001 CS OFFL SIR FDM 2 20160803T145705 20160803T151052 C001 CS OFFL SIR FDM 2 20160803T151306 20160803T152922 C001 CS_OFFL_SIR_FDM_2__20160803T155236_20160803T160254_C001 CS OFFL SIR FDM 2 20160803T163843 20160803T164856 C001 CS_OFFL_SIR_FDM_2__20160803T165122_20160803T165643_C001 CS_OFFL_SIR_FDM_2__20160803T165926_20160803T170853_C001 CS OFFL SIR FDM 2 20160803T170928 20160803T170933 C001 CS_OFFL_SIR_FDM_2__20160803T173359_20160803T175624_C001 CS OFFL SIR FDM 2 20160803T181302 20160803T184038 C001 CS_OFFL_SIR_FDM_2__20160803T190147_20160803T190220_C001 CS OFFL SIR FDM 2 20160803T191258 20160803T193613 C001 CS_OFFL_SIR_FDM_2__20160803T200832_20160803T202515_C001 CS_OFFL_SIR_FDM_2__20160803T203758_20160803T204505_C001 CS_OFFL_SIR_FDM_2__20160803T205349_20160803T210621_C001 CS OFFL SIR FDM 2 20160803T211129 20160803T211538 C001 CS_OFFL_SIR_FDM_2__20160803T213317_20160803T220458_C001 CS_OFFL_SIR_FDM_2__20160803T221650_20160803T221724_C001 CS OFFL SIR FDM 2 20160803T221732 20160803T221905 C001 CS_OFFL_SIR_FDM_2__20160803T222347_20160803T222528_C001 CS_OFFL_SIR_FDM_2__20160803T224029_20160803T225328_C001 CS OFFL SIR FDM 2 20160803T233515 20160803T234648 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. 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. 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. 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. 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. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.