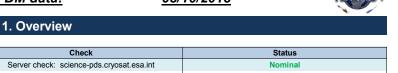
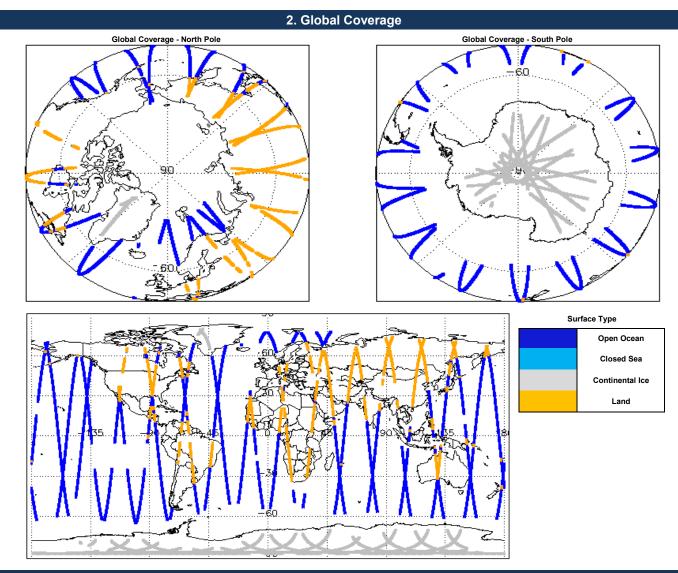


IDEAS+ Daily Report for FDM data:

<u>08/10/2015</u>



Report Production Date: 09-Oct-2015		Check	Status	
		Server check: science-pds.cryosat.esa.int	Nominal	
Processor Used:	CrucSat los Prosposor	Server check: calval-pds.cryosat.esa.int	Nominal	
Processor Used.	CryoSat Ice Processor	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, 6.6, 6.7 and 6.8	
Mission / Instrument News				
07-Oct-2015 None				
08-Oct-2015 None				
09-Oct-2015 Nothing planned				



3. Instrument Configuration

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

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

4. Level 0 Data Quality Check

4.1 L0 Product Format Check

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

0

Number of products with errors:

or all products a parice of production sheets and the set of the training of the training of the set of the se		
For all products, a series of pre-defined checks are carried out on the MPH and	SPH in order to identify any inconsistent	cies and/or errors raised by the processing chain.
Jumber of products with errors: 3		
Product	Test Failed	
CS_OPER_SIR1SAR_020151008T110239_20151008T110329_0001.HDR	• • •	errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020151008T012554_20151008T012625_0001.HDR		errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020151008T084308_20151008T084411_0001.HDR	Percentage of processing e	errors detected greater than minimum acceptable threshold.
5. Lev	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 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 inconsisten	rise and/or arrors raised by the around-segment processing chain
Number of products with errors: 0		des andre eners 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 use	ed in processing.	
Number of products with errors: 4		
Product	Test Failed	
CS_OFFL_SIR_FDM_1B_20151008T000110_20151008T000203_C001		n the processing of this product
CS_OFFL_SIR_FDM_1B_20151008T014020_20151008T014114_C001	No Star Tracker file used ir	n the processing of this product
CS_OFFL_SIR_FDM_1B_20151008T050343_20151008T050715_C001	No Star Tracker file used ir	n the processing of this product
CS_OFFL_SIR_FDM_1B_20151008T231208_20151008T231238_C001	No Star Tracker file used in	n 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	heen used in processing	
Number of products with errors: 0	been 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-	-determined baseline and also to check t	he 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	nt record. The bit value of this flag indica	ates any problems when set.
Number of products with errors: 0		
5.7 L1B FDM Measurement Confidence Data Check		
	easurement record. The bit value of this	flag indicates any problems when set.
CryoSat L1B data includes a measurement confidence flag (field 18) for each m	easurement record. The bit value of this	flag indicates any problems when set.
CryoSat L1B data includes a measurement confidence flag (field 18) for each m Number of products with errors: 5		
CryoSat L1B data includes a measurement confidence flag (field 18) for each m Number of products with errors: 5 Product	easurement record. The bit value of this Test Failed Attitude correction missing	flag indicates any problems when set.
CryoSat L1B data includes a measurement confidence flag (field 18) for each m Number of products with errors: 5 Product CS_OFFL_SIR_FDM_1B_20151008T000110_20151008T000203_C001	Test Failed	Description
CryoSat L1B data includes a measurement confidence flag (field 18) for each m Number of products with errors: 5 Product CS_OFFL_SIR_FDM_1B_20151008T000110_20151008T000203_C001 CS_OFFL_SIR_FDM_1B_20151008T014020_20151008T014114_C001	Test Failed Attitude correction missing	Description The attitude has not been corrected The attitude has not been corrected The attitude has not been corrected
CryoSat L1B data includes a measurement confidence flag (field 18) for each m Number of products with errors: 5 Product 5 CS_OFFL_SIR_FDM_1B_20151008T000110_20151008T000203_C001 CS_OFFL_SIR_FDM_1B_20151008T014020_20151008T014114_C001 CS_OFFL_SIR_FDM_1B_20151008T050343_20151008T050715_C001 CS_OFFL_SIR_FDM_1B_20151008T050343_20151008T050715_C001	Test Failed Attitude correction missing Attitude correction missing	Description The attitude has not been corrected The attitude has not been corrected The attitude has not been corrected
CryoSat L1B data includes a measurement confidence flag (field 18) for each m Number of products with errors: 5 Product 5 CS_OFFL_SIR_FDM_1B_20151008T000110_20151008T000203_C001 CS_OFFL_SIR_FDM_1B_20151008T014020_20151008T014114_C001 CS_OFFL_SIR_FDM_1B_20151008T014020_20151008T014114_C001 CS_OFFL_SIR_FDM_1B_20151008T050343_20151008T050715_C001 CS_OFFL_SIR_FDM_1B_20151008T0150343_20151008T050715_C001 CS_OFFL_SIR_FDM_1B_20151008T215139_20151008T215435_C001	Test Failed Attitude correction missing Attitude correction missing Attitude correction missing	Description The attitude has not been corrected
CryoSat L1B data includes a measurement confidence flag (field 18) for each m Number of products with errors: 5 Product 5 CS_OFFL_SIR_FDM_1B_20151008T000110_20151008T000203_C001 CS_OFFL_SIR_FDM_1B_20151008T014020_20151008T014114_C001 CS_OFFL_SIR_FDM_1B_20151008T050343_20151008T050715_C001 CS_OFFL_SIR_FDM_1B_20151008T215139_20151008T215435_C001 CS_OFFL_SIR_FDM_1B_20151008T231208_20151008T231238_C001 CS_OFFL_SIR_FDM_1B_20151008T231208_20151008T231238_C001	Test Failed Attitude correction missing Attitude correction missing Attitude correction missing Echo error, TRK echo error	Description 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 seindicating a degraded echo The attitude has not been corrected
CryoSat L1B data includes a measurement confidence flag (field 18) for each m Number of products with errors: 5 Product CS_OFFL_SIR_FDM_1B_20151008T000110_20151008T000203_C001 CS_OFFL_SIR_FDM_1B_20151008T014020_20151008T014114_C001 CS_OFFL_SIR_FDM_1B_20151008T050343_20151008T050715_C001 CS_OFFL_SIR_FDM_1B_20151008T215139_20151008T215435_C001 CS_OFFL_SIR_FDM_1B_20151008T231208_20151008T231238_C001 CS_OFFL_SIR_FDM_1B_20151008T231208_20151008T231238_C001 CS_OFFL_SIR_FDM_1B_20151008T231208_20151008T231238_C001	Test Failed Attitude correction missing Attitude correction missing Attitude correction missing Echo error, TRK echo error Attitude correction missing	Description 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 seindicating a degraded echo The attitude has not been corrected
Product CS_OFFL_SIR_FDM_1B_20151008T000110_20151008T000203_C001 CS_OFFL_SIR_FDM_1B_20151008T014020_20151008T014114_C001 CS_OFFL_SIR_FDM_1B_20151008T050343_20151008T050715_C001 CS_OFFL_SIR_FDM_1B_20151008T215139_20151008T215435_C001 CS_OFFL_SIR_FDM_1B_20151008T231208_20151008T231238_C001	Test Failed Attitude correction missing Attitude correction missing Attitude correction missing Echo error, TRK echo error Attitude correction missing vel 2 FDM Data Quality	Description The attitude has not been corrected The tracking echo has returned an error and the Rx1 Echo Error flag is seindicating a degraded echo The attitude has not been corrected Check
CryoSat L1B data includes a measurement confidence flag (field 18) for each m Number of products with errors: 5 Product 5 CS_OFFL_SIR_FDM_1B_20151008T000110_20151008T000203_C001 CS_OFFL_SIR_FDM_1B_20151008T014020_20151008T014114_C001 CS_OFFL_SIR_FDM_1B_20151008T050343_20151008T050715_C001 CS_OFFL_SIR_FDM_1B_20151008T215139_20151008T215435_C001 CS_OFFL_SIR_FDM_1B_20151008T231208_20151008T231238_C001 CS_OFFL_SIR_FDM_1B_20151008T231208_20151008T231238_C001 CS_OFFL_SIR_FDM_1B_20151008T231208_20151008T231238_C001 CS_OFFL_SIR_FDM_1B_20151008T231208_20151008T231238_C001	Test Failed Attitude correction missing Attitude correction missing Attitude correction missing Echo error, TRK echo error Attitude correction missing vel 2 FDM Data Quality	Description The attitude has not been corrected The tracking echo has returned an error and the Rx1 Echo Error flag is so indicating a degraded echo The attitude has not been corrected Check
CryoSat L1B data includes a measurement confidence flag (field 18) for each m Number of products with errors: 5 Product 5 CS_OFFL_SIR_FDM_1B_20151008T000110_20151008T000203_C001 CS_OFFL_SIR_FDM_1B_20151008T014020_20151008T014114_C001 CS_OFFL_SIR_FDM_1B_20151008T014020_20151008T050715_C001 CS_OFFL_SIR_FDM_1B_20151008T215139_20151008T215435_C001 CS_OFFL_SIR_FDM_1B_20151008T231208_20151008T231238_C001 CS_OFFL_SIR_FDM_1B_20151008T231208_20151008T231238_C001 CS_OFFL_SIR_FDM_1B_20151008T231208_20151008T231238_C001 CS_OFFL_SIR_FDM_1B_20151008T231208_20151008T231238_C001	Test Failed Attitude correction missing Attitude correction missing Attitude correction missing Echo error, TRK echo error Attitude correction missing vel 2 FDM Data Quality	Description The attitude has not been corrected The tracking echo has returned an error and the Rx1 Echo Error flag is seindicating a degraded echo The attitude has not been corrected Check
CryoSat L1B data includes a measurement confidence flag (field 18) for each m Number of products with errors: 5 Product 5 CS_OFFL_SIR_FDM_1B_20151008T000110_20151008T000203_C001 CS_OFFL_SIR_FDM_1B_20151008T014020_20151008T014114_C001 CS_OFFL_SIR_FDM_1B_20151008T014020_20151008T050715_C001 CS_OFFL_SIR_FDM_1B_20151008T215139_20151008T215435_C001 CS_OFFL_SIR_FDM_1B_20151008T231208_20151008T231238_C001 CS_OFFL_SIR_FDM_1B_20151008T231208_20151008T231238_C001 CS_OFFL_SIR_FDM_1B_20151008T231208_20151008T231238_C001 CS_OFFL_SIR_FDM_1B_20151008T231208_20151008T231238_C001 CS_OFFL_SIR_FDM_1B_20151008T231208_20151008T231238_C001 CS_OFFL_SIR_FDM_1B_20151008T231208_20151008T231238_C001 CS_OFFL_SIR_FDM_1B_20151008T231208_20151008T231238_C001 CS_OFFL_SIR_FDM_1B_20151008T231208_20151008T231238_C001 CS_OFFL_SIR_FDM_1B_20151008T231208_20151008T231238_C001 CS_OFFL_SIR_FDM_1B_20151008T231208_20151008T231238_C001 CS_OFFL_SIR_FDM_1B_20151008T231208_20151008T231238_C001 CS_OFFL_SIR_FDM_1B_20151008T231208_20151008T231238_C001 CS_OFFL_SIR_FDM_1B_20151008T231208_20151008T231238_C001 CS_OFFL_SIR_FDM_1B_20151008T231208_20151008T231208_20151008T231208_20151008T231208_20151008T231208_20151008T231208_20151008T231208_20151008T231208_20151008T231208_20151008T231208_20151008T231208_20151008T231208_20151008T231208_20151008T231208_2015108_208_208_208_208_208_208_208_208_208_2	Test Failed Attitude correction missing Attitude correction missing Attitude correction missing Echo error, TRK echo error Attitude correction missing vel 2 FDM Data Quality nsure it consists of both an XML header for the transmission	Description The attitude has not been corrected The tracking echo has returned an error and the Rx1 Echo Error flag is seindicating a degraded echo The attitude has not been corrected Check
CryoSat L1B data includes a measurement confidence flag (field 18) for each m Number of products with errors: 5 Product 5 CS_OFFL_SIR_FDM_1B_20151008T000110_20151008T000203_C001 CS_OFFL_SIR_FDM_1B_20151008T014020_20151008T014114_C001 CS_OFFL_SIR_FDM_1B_20151008T050343_20151008T050715_C001 CS_OFFL_SIR_FDM_1B_20151008T215139_20151008T231238_C001 CS_OFFL_SIR_FDM_1B_20151008T231208_20151008T231238_C001 6. Lee 6.1 L2 FDM Product Format Check Each product, retrieved and unpacked from the science server, is checked to er Number of products with errors: 0 6.2 L2 FDM Product Header Analysis 0	Test Failed Attitude correction missing Attitude correction missing Attitude correction missing Echo error, TRK echo error Attitude correction missing vel 2 FDM Data Quality nsure it consists of both an XML header for the transmission	Description The attitude has not been corrected The tracking echo has returned an error and the Rx1 Echo Error flag is si indicating a degraded echo The attitude has not been corrected 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. 0

Number of products with errors:

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.

43

Number of products with errors:

Product CS OFFL SIR FDM 2 20151008T000736 20151008T000923 C001 CS_OFFL_SIR_FDM_2__20151008T002105_20151008T005411_C001 CS OFFL SIR FDM 2 20151008T011348 20151008T011608 C001 CS_OFFL_SIR_FDM_2__20151008T013439_20151008T013720_C001 CS_OFFL_SIR_FDM_2__20151008T014435_20151008T014842_C001 CS OFFL SIR FDM 2 20151008T021242 20151008T023359 C001 CS_OFFL_SIR_FDM_2__20151008T025145_20151008T030112_C001 CS_OFFL_SIR_FDM_2__20151008T030300_20151008T031534_C001 CS_OFFL_SIR_FDM_2__20151008T032515_20151008T032529_C001 CS_OFFL_SIR_FDM_2__20151008T033732_20151008T041248_C001 CS OFFL SIR FDM 2 20151008T051814 20151008T053512 C001 CS_OFFL_SIR_FDM_2__20151008T053717_20151008T055204_C001 CS_OFFL_SIR_FDM_2__20151008T062546_20151008T064149_C001 CS OFFL SIR FDM 2 20151008T071254 20151008T071537 C001 CS_OFFL_SIR_FDM_2__20151008T074700_20151008T082223_C001 CS OFFL SIR FDM 2 20151008T084849 20151008T090920 C001 CS_OFFL_SIR_FDM_2__20151008T092531_20151008T093632_C001 CS_OFFL_SIR_FDM_2__20151008T094202_20151008T095340_C001 CS OFFL SIR FDM 2 20151008T102544 20151008T104857 C001 CS_OFFL_SIR_FDM_2__20151008T112115_20151008T113842_C001 CS OFFL SIR FDM 2 20151008T115041 20151008T115316 C001 CS_OFFL_SIR_FDM_2__20151008T120104_20151008T121122_C001 CS_OFFL_SIR_FDM_2__20151008T122417_20151008T122656_C001 CS_OFFL_SIR_FDM_2_20151008T124541_20151008T131805_C001 CS_OFFL_SIR_FDM_2__20151008T131838_20151008T131935_C001 CS_OFFL_SIR_FDM_2__20151008T133926_20151008T134001_C001 CS_OFFL_SIR_FDM_2__20151008T134128_20151008T134405_C001 CS OFFL SIR FDM 2 20151008T134548 20151008T140622 C001 CS OFFL SIR FDM 2 20151008T142355 20151008T145937 C001 CS_OFFL_SIR_FDM_2__20151008T152134_20151008T154428_C001 CS_OFFL_SIR_FDM_2__20151008T160338_20151008T162237_C001 CS_OFFL_SIR_FDM_2__20151008T162458_20151008T163723_C001 CS OFFL SIR FDM 2 20151008T165122 20151008T171002 C001 CS OFFL SIR FDM 2 20151008T174244 20151008T175727 C001 CS_OFFL_SIR_FDM_2__20151008T175929_20151008T180851_C001 CS_OFFL_SIR_FDM_2__20151008T183005_20151008T184815_C001 CS OFFL SIR FDM 2 20151008T201353 20151008T202942 C001 CS OFFL SIR FDM 2 20151008T203512 20151008T204611 C001 CS OFFL SIR FDM 2 20151008T210228 20151008T212050 C001 CS OFFL SIR FDM 2 20151008T215817 20151008T220855 C001 CS_OFFL_SIR_FDM_2__20151008T221425_20151008T222459_C001 CS OFFL SIR FDM 2 20151008T224126 20151008T230842 C001 CS_OFFL_SIR_FDM_2__20151008T233146_20151009T000250_C001

Test Failed	Desci
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Wind Speed	Corre There
Sea State Bias Correction	record
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Sea State Bias Correction, Altimetric	There
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Wind Speed	Corre
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Wind Speed	Corre
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Sea State Bias Correction	There record
Sea State Bias Correction	There
Sea State Bias Correction, Altimetric	record There
Wind Speed	Corre
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Sea State Bias Correction, Altimetric	There
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Sea State Bias Correction, Altimetric	There
Wind Speed Sea State Bias Correction, Altimetric	Corre There
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Sea State Bias Correction	There record
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Wind Speed	Corre There
Sea State Bias Correction	record

ription e is an error with the Altimetric Wind Speed and Sea State Bias ction for one or more records e is an error with the Sea State Bias Correction for one or more e is an error with the Altimetric Wind Speed and Sea State Bias ction for one or more records e is an error with the Altimetric Wind Speed and Sea State Bias ction for one or more records e is an error with the Altimetric Wind Speed and Sea State Bias ction for one or more records e is an error with the Altimetric Wind Speed and Sea State Bias ection for one or more records e is an error with the Altimetric Wind Speed and Sea State Bias ction for one or more records e is an error with the Altimetric Wind Speed and Sea State Bias ction for one or more records e is an error with the Altimetric Wind Speed and Sea State Bias ction for one or more records e is an error with the Altimetric Wind Speed and Sea State Bias ction for one or more records e is an error with the Sea State Bias Correction for one or more e is an error with the Altimetric Wind Speed and Sea State Bias ction for one or more records is an error with the Altimetric Wind Speed and Sea State Bias ction for one or more records e is an error with the Altimetric Wind Speed and Sea State Bias ction for one or more records e is an error with the Altimetric Wind Speed and Sea State Bias ection for one or more records e is an error with the Altimetric Wind Speed and Sea State Bias ction for one or more records e is an error with the Sea State Bias Correction for one or more e is an error with the Sea State Bias Correction for one or more ds e is an error with the Altimetric Wind Speed and Sea State Bias ction for one or more records e is an error with the Sea State Bias Correction for one or more e is an error with the Altimetric Wind Speed and Sea State Bias ction for one or more records e is an error with the Altimetric Wind Speed and Sea State Bias ection for one or more records is an error with the Altimetric Wind Speed and Sea State Bias ction for one or more records e is an error with the Altimetric Wind Speed and Sea State Bias ction for one or more records is an error with the Altimetric Wind Speed and Sea State Bias ection for one or more records e is an error with the Sea State Bias Correction for one or more e is an error with the Altimetric Wind Speed and Sea State Bias ction for one or more records e is an error with the Altimetric Wind Speed and Sea State Bias ection for one or more records e is an error with the Altimetric Wind Speed and Sea State Bias ection for one or more records e is an error with the Altimetric Wind Speed and Sea State Bias ction for one or more records is an error with the Altimetric Wind Speed and Sea State Bias ction for one or more records e is an error with the Sea State Bias Correction for one or more e is an error with the Altimetric Wind Speed and Sea State Bias ection for one or more records e is an error with the Altimetric Wind Speed and Sea State Bias ction for one or more records is an error with the Altimetric Wind Speed and Sea State Bias ction for one or more records is an error with the Altimetric Wind Speed and Sea State Bias ction for one or more records e is an error with the Altimetric Wind Speed and Sea State Bias ction for one or more records e is an error with the Altimetric Wind Speed and Sea State Bias ction for one or more records is an error with the Altimetric Wind Speed and Sea State Bias ction for one or more records e is an error with the Altimetric Wind Speed and Sea State Bias ction for one or more records e is an error with the Sea State Bias Correction for one or more e is an error with the Altimetric Wind Speed and Sea State Bias ction for one or more records e is an error with the 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.

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_220151008T000736_20151008T000923_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_220151008T013439_20151008T013720_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_220151008T014435_20151008T014842_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_220151008T021242_20151008T023359_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_220151008T033732_20151008T041248_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_220151008T053717_20151008T055204_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_220151008T062546_20151008T064149_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_220151008T071254_20151008T071537_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_220151008T074700_20151008T082223_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_220151008T084849_20151008T090920_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_220151008T102544_20151008T104857_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_220151008T120104_20151008T121122_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_220151008T124541_20151008T131805_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_220151008T134128_20151008T134405_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_220151008T134548_20151008T140622_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_220151008T142355_20151008T145937_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_220151008T152134_20151008T154428_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_220151008T160338_20151008T162237_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_220151008T175929_20151008T180851_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_220151008T183005_20151008T184815_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_220151008T201353_20151008T202942_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_220151008T210228_20151008T212050_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_220151008T215817_20151008T220855_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_220151008T224126_20151008T230842_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.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220151008T000736_20151008T000923_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_220151008T013439_20151008T013720_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_220151008T014435_20151008T014842_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_220151008T021242_20151008T023359_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_220151008T033732_20151008T041248_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_220151008T053717_20151008T055204_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_220151008T062546_20151008T064149_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_220151008T071254_20151008T071537_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_220151008T074700_20151008T082223_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_220151008T084849_20151008T090920_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_220151008T102544_20151008T104857_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_220151008T120104_20151008T121122_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_220151008T124541_20151008T131805_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_220151008T134128_20151008T134405_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_220151008T134548_20151008T140622_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_220151008T142355_20151008T145937_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_220151008T152134_20151008T154428_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_220151008T160338_20151008T162237_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_220151008T175929_20151008T180851_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_220151008T183005_20151008T184815_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_220151008T201353_20151008T202942_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_220151008T210228_20151008T212050_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_220151008T215817_20151008T220855_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_220151008T224126_20151008T230842_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:
 43

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220151008T000736_20151008T000923_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_220151008T002105_20151008T005411_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_220151008T011811_20151008T011918_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_220151008T013439_20151008T013720_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_220151008T014435_20151008T014842_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_220151008T015855_20151008T020955_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_220151008T021242_20151008T023359_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_220151008T030300_20151008T031534_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_220151008T033732_20151008T041248_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_220151008T043151_20151008T050202_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_220151008T051814_20151008T053512_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_220151008T053717_20151008T055204_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_220151008T060910_20151008T061927_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_220151008T062546_20151008T064149_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_220151008T071254_20151008T071537_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_220151008T074700_20151008T082223_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_220151008T084849_20151008T090920_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_220151008T092531_20151008T093632_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_220151008T094202_20151008T095340_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_220151008T102544_20151008T104857_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_220151008T112115_20151008T113842_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__20151008T120104_20151008T121122_C001 CS OFFL SIR FDM 2 20151008T124541 20151008T131805 C001 CS_OFFL_SIR_FDM_2__20151008T133010_20151008T133204_C001 CS_OFFL_SIR_FDM_2__20151008T133639_20151008T133758_C001 CS OFFL SIR FDM 2 20151008T133926 20151008T134001 C001 CS_OFFL_SIR_FDM_2__20151008T134128_20151008T134405_C001 CS_OFFL_SIR_FDM_2__20151008T134548_20151008T140622_C001 CS OFFL SIR FDM 2 20151008T142355 20151008T145937 C001 CS_OFFL_SIR_FDM_2__20151008T152134_20151008T154428_C001 CS_OFFL_SIR_FDM_2__20151008T160338_20151008T162237_C001 CS OFFL SIR FDM 2 20151008T162458 20151008T163723 C001 CS_OFFL_SIR_FDM_2__20151008T171117_20151008T172503_C001 CS OFFL SIR FDM 2 20151008T174244 20151008T175727 C001 CS_OFFL_SIR_FDM_2__20151008T175929_20151008T180851_C001 CS_OFFL_SIR_FDM_2__20151008T183005_20151008T184815_C001 CS OFFL SIR FDM 2 20151008T190408 20151008T190613 C001 CS_OFFL_SIR_FDM_2__20151008T192227_20151008T193633_C001 CS_OFFL_SIR_FDM_2__20151008T201059_20151008T201311_C001 CS_OFFL_SIR_EDM_2__20151008T201353_20151008T202942_C001 CS_OFFL_SIR_FDM_2__20151008T210228_20151008T212050_C001 CS_OFFL_SIR_FDM_2__20151008T215817_20151008T220855_C001 CS OFFL SIR FDM 2 20151008T224126 20151008T230842 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.