

IDEAS+ Daily Report for FDM data:

<u>17/10/2015</u>

Nominal

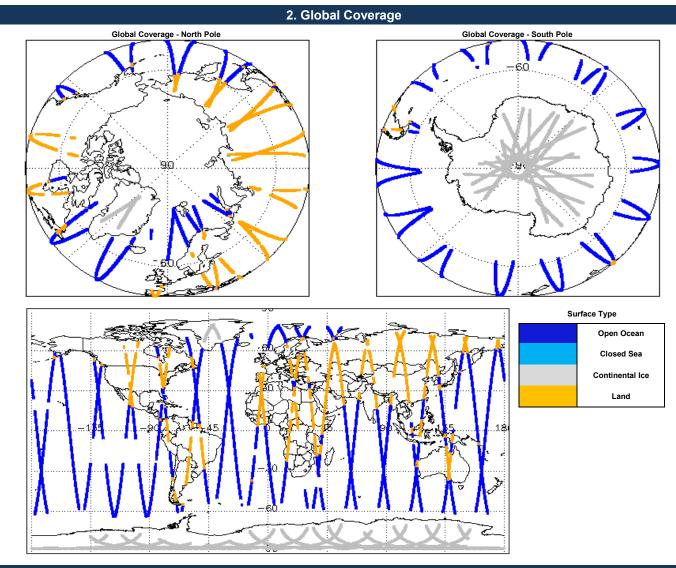
See Section 6.4

1. Overview			
Demost Dreduction Deter	10 0-+ 2015	Check	Status
Report Production Date:	19-Oct-2015	Server check: science-pds.cryosat.esa.int	Nominal
Processor Used:	CryoSat Ice Processor	Server check: calval-pds.cryosat.esa.int	Nominal
		Product Software Check	Nominal
Data Used:	L1 and L2 Fast Delivery Marine (FDM)	Product Format Check	Nominal
Data Osed:	Mode and L0 Data	Product Header Analysis	See Section 4.2
		Star Tracker Usage Check	See Section 5.3
		Calibration Usage Check	Nominal

Auxiliary Data File Usage Check

Auxiliary Correction Error Check

		Measurement Confidence Data Check	See Section 5.7, 6.6, 6.7 and 6.8
Mission / Instru	ment News		
16-Oct-2015	None		
17-Oct-2015	None		
18-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:

	d SPH in order to identify any inconsistencies	and/or errors raised by the processing chain.
Number of products with errors: 1		
Product	Test Failed	
CS_OPER_SIR1SAR_020151017T061503_20151017T061642_0001.HDR	Percentage of processing error	s detected greater than minimum acceptable threshold.
5. Le	vel 1B FDM Data Quality C	heck
5.1 L1B FDM Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to e	ensure 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 an	d SPH in order to identify any inconsistencies	and/or errors raised by the ground-segment processing chain.
Number of products with errors: 0		
5.3 L1B FDM Star Tracker Usage Check		
Each product is checked in order to ensure a valid star tracker file has been us	sed in processing.	
Number of products with errors: 4		
Product	Test Failed	
CS_OFFL_SIR_FDM_1B_20151017T003959_20151017T004027_C001	No Star Tracker file used in the	
CS_OFFL_SIR_FDM_1B_20151017T040415_20151017T040415_C001	No Star Tracker file used in the	
CS_OFFL_SIR_FDM_1B_20151017T214049_20151017T221210_C001 CS_OFFL_SIR_FDM_1B_20151017T234839_20151017T234944_C001	No Star Tracker file used in the No Star Tracker file used in the	
5.4 L1B FDM Calibration Usage Check		
Each product is checked in order to ensure the necessary calibration files have	e 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 pro	e-determined baseline and also to check the v	alidity of Auxiliary Data Files is correct.
Number of products with errors: 0		
5.6 L1B FDM Auxiliary Correction Error Check		
5.6 L1B FDM Auxiliary Correction Error Check CryoSat L1B data includes a correction error flag (field 54) for each measurem	ent record. The bit value of this flag indicates	any problems when set.
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5.6 L1B FDM Auxiliary Correction Error Check CryoSat L1B data includes a correction error flag (field 54) for each measurem 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 n Number of products with errors: 8 Product 8 CS_OFFL_SIR_FDM_1B_20151017T003959_20151017T004027_C001 CS_OFFL_SIR_FDM_1B_20151017T040415_2001 CS_OFFL_SIR_FDM_1B_20151017T071133_20151017T071722_C001	measurement record. The bit value of this flag Test Failed Attitude correction missing Attitude correction missing Echo error, TRK echo error	indicates any problems when set.
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5.6 L1B FDM Auxiliary Correction Error Check CryoSat L1B data includes a correction error flag (field 54) for each measurem 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 in Number of products with errors: 8 Product 8 CS_OFFL_SIR_FDM_1B_20151017T003959_20151017T004027_C001 CS_OFFL_SIR_FDM_1B_20151017T040415_20151017T040415_C001 CS_OFFL_SIR_FDM_1B_20151017T071133_20151017T071722_C001 CS_OFFL_SIR_FDM_1B_20151017T191357_20151017T191948_C001 CS_OFFL_SIR_FDM_1B_20151017T214049_20151017T221210_C001 CS_OFFL_SIR_FDM_1B_20151017T234839_20151017T234944_C001	Test Failed Attitude correction missing Attitude correction missing Echo error, TRK echo error Attitude correction missing Attitude correction missing	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 tracking echo has returned an error and the Rx1 Echo Error flag is so indicating a degraded echo The tracking echo has returned an error and the Rx1 Echo Error flag is so indicating a degraded echo 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 The tracking echo has returned an error and the Rx1 Echo Error flag is so indicating a degraded echo
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5.6 L1B FDM Auxiliary Correction Error Check CryoSat L1B data includes a correction error flag (field 54) for each measurem 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 a Number of products with errors: 8 Product CS_OFFL_SIR_FDM_1B_20151017T003959_20151017T004027_C001 CS_OFFL_SIR_FDM_1B_20151017T040415_20151017T040415_C001 CS_OFFL_SIR_FDM_1B_20151017T071133_20151017T071722_C001 CS_OFFL_SIR_FDM_1B_20151017T191357_20151017T191948_C001 CS_OFFL_SIR_FDM_1B_20151017T214049_20151017T221210_C001 CS_OFFL_SIR_FDM_1B_20151017T234839_20151017T234944_C001 CS_OFFL_SIR_FDM_1B_20151017T234944_20151017T235153_C001 CS_OFFL_SIR_FDM_1B_20151017T235528_20151017T235710_C001 CS_OFFL_SIR_FDM_1B_20150107523578_201501507523578_2015015057528_20150150575578_20578 CS_OFFL_SIR_FDM_1B_2015010755578_20578 CS_OFFL_SIR_FDM_1B_2005578 CS_OFFL_SIR_FDM_1B_200	Test Failed Attitude correction missing Attitude correction missing Echo error, TRK echo error	Indicates any problems when set.
5.6 L1B FDM Auxiliary Correction Error Check CryoSat L1B data includes a correction error flag (field 54) for each measurem 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 in Number of products with errors: 8 Product CS_OFFL_SIR_FDM_1B_20151017T003959_20151017T004027_C001 CS_OFFL_SIR_FDM_1B_20151017T040415_20151017T040415_C001 CS_OFFL_SIR_FDM_1B_20151017T071133_20151017T071722_C001 CS_OFFL_SIR_FDM_1B_20151017T191357_20151017T191948_C001 CS_OFFL_SIR_FDM_1B_20151017T234049_20151017T234944_C001 CS_OFFL_SIR_FDM_1B_20151017T234939_20151017T234944_C001 CS_OFFL_SIR_FDM_1B_20151017T234944_20151017T235153_C001 CS_OFFL_SIR_FDM_1B_20151017T235528_20151017T235710_C001 CS_OFFL_SIR_FDM_1B_20150107FL_SC	Test Failed Attitude correction missing Attitude correction missing Echo error, TRK echo error Echo error, TRK echo error	Indicates any problems when set.
5.6 L1B FDM Auxiliary Correction Error Check CryoSat L1B data includes a correction error flag (field 54) for each measurem 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 in Number of products with errors: 8 Product CS_OFFL_SIR_FDM_1B_20151017T003959_20151017T004027_C001 CS_OFFL_SIR_FDM_1B_20151017T040415_20151017T040415_C001 CS_OFFL_SIR_FDM_1B_20151017T0133_20151017T071722_C001 CS_OFFL_SIR_FDM_1B_20151017T214049_20151017T221210_C001 CS_OFFL_SIR_FDM_1B_20151017T234934_20151017T234944_C001 CS_OFFL_SIR_FDM_1B_20151017T234944_20151017T235153_C001 CS_OFFL_SIR_FDM_1B_20151017T235528_20151017T235710_C001 CS_OFFL_SIR_FDM_1B_20151017T235528_201510177235710_C001 CS_OFFL_SIR_FDM_1B_20151017T235528_201510177235710_C001 CS_OFFL_SIR_FDM_1B_201510177235528_201510177235710_C001 CS_OFFL_SIR_FDM_1B_201510177235528_201510177235710_C001 CS_OFFL_SIR_FDM_1B_201510177235528_201510177235710_C001 CS_OFFL_SIR_FDM_1B_201510177040415_C001 CS_OFFL_SIR_FDM_1B_201510177040415_C001 CS_OFFL_SIR_FDM_1A000000000000000000000000000000000000	Test Failed Attitude correction missing Attitude correction missing Echo error, TRK echo error Echo error, TRK echo error	Indicates any problems when set.

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.

42

Number of products with errors:

Product CS OFFL SIR FDM 2 20151017T010024 20151017T011013 C001 CS_OFFL_SIR_FDM_2__20151017T011209_20151017T013327_C001 CS_OFFL_SIR_FDM_2__20151017T023649_20151017T031210_C001 CS_OFFL_SIR_FDM_2__20151017T033122_20151017T040307_C001 CS_OFFL_SIR_FDM_2__20151017T041527_20151017T043002_C001 CS OFFL SIR FDM 2 20151017T043443 20151017T045132 C001 CS_OFFL_SIR_FDM_2__20151017T050941_20151017T052257_C001 CS_OFFL_SIR_FDM_2__20151017T052511_20151017T054235_C001 CS_OFFL_SIR_FDM_2__20151017T060437_20151017T061503_C001 CS_OFFL_SIR_FDM_2__20151017T061642_20151017T063015_C001 CS OFFL SIR FDM 2 20151017T065332 20151017T065924 C001 CS_OFFL_SIR_FDM_2__20151017T070359_20151017T070850_C001 CS_OFFL_SIR_FDM_2__20151017T071133_20151017T071722_C001 CS OFFL SIR FDM 2 20151017T071844 20151017T072050 C001 CS_OFFL_SIR_FDM_2__20151017T074804_20151017T080849_C001 CS OFFL SIR FDM 2 20151017T092628 20151017T094812 C001 CS_OFFL_SIR_FDM_2__20151017T102040_20151017T103643_C001 CS_OFFL_SIR_FDM_2__20151017T105020_20151017T105115_C001 CS OFFL SIR FDM 2 20151017T110008 20151017T110904 C001 CS_OFFL_SIR_FDM_2__20151017T110907_20151017T112023_C001 CS OFFL SIR FDM 2 20151017T114518 20151017T121647 C001 CS_OFFL_SIR_FDM_2__20151017T124101_20151017T124330_C001 CS_OFFL_SIR_FDM_2__20151017T125203_20151017T130538_C001 CS_OFFL_SIR_FDM_2__20151017T132343_20151017T134438_C001 CS_OFFL_SIR_FDM_2__20151017T134723_20151017T135909_C001 CS_OFFL_SIR_FDM_2__20151017T143522_20151017T144512_C001 CS_OFFL_SIR_FDM_2__20151017T150249_20151017T153726_C001 CS_OFFL_SIR_FDM_2__20151017T155852_20151017T162305_C001 CS_OFFL_SIR_FDM_2__20151017T164203_20151017T171843_C001 CS_OFFL_SIR_FDM_2__20151017T173145_20151017T174742_C001 CS_OFFL_SIR_FDM_2__20151017T175358_20151017T175927_C001 CS_OFFL_SIR_FDM_2__20151017T182144_20151017T183524_C001 CS_OFFL_SIR_FDM_2__20151017T183704_20151017T183947_C001 CS_OFFL_SIR_FDM_2__20151017T191357_20151017T191948_C001 CS_OFFL_SIR_FDM_2__20151017T192231_20151017T192527_C001 CS_OFFL_SIR_FDM_2__20151017T192531_20151017T193333_C001 CS_OFFL_SIR_FDM_2__20151017T205105_20151017T210821_C001 CS_OFFL_SIR_FDM_2__20151017T214049_20151017T221210_C001 CS_OFFL_SIR_FDM_2__20151017T221543_20151017T221811_C001 CS OFFL SIR FDM 2 20151017T223238 20151017T224735 C001 CS_OFFL_SIR_FDM_2__20151017T225304_20151017T230218_C001 CS_OFFL_SIR_FDM_2__20151017T232641_20151017T233500_C001

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

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:
0

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: 23

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220151017T010024_20151017T011013_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_220151017T043443_20151017T045132_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_220151017T050941_20151017T052257_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_220151017T052511_20151017T054235_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_220151017T060437_20151017T061503_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_220151017T061642_20151017T063015_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_220151017T071133_20151017T071722_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_220151017T071844_20151017T072050_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_220151017T074804_20151017T080849_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_220151017T110008_20151017T110904_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_220151017T110907_20151017T112023_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_220151017T134723_20151017T135909_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_220151017T150249_20151017T153726_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_220151017T164203_20151017T171843_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_220151017T173145_20151017T174742_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_220151017T175358_20151017T175927_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_220151017T183704_20151017T183947_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_220151017T191357_20151017T191948_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_220151017T192231_20151017T192527_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_220151017T192531_20151017T193333_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_220151017T214049_20151017T221210_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_220151017T221543_20151017T221811_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_220151017T232641_20151017T233500_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

23

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_220151017T010024_20151017T011013_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_220151017T043443_20151017T045132_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_220151017T050941_20151017T052257_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_220151017T052511_20151017T054235_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_220151017T060437_20151017T061503_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_220151017T061642_20151017T063015_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_220151017T071133_20151017T071722_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_220151017T071844_20151017T072050_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_220151017T074804_20151017T080849_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_220151017T110008_20151017T110904_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_220151017T110907_20151017T112023_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_220151017T134723_20151017T135909_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_220151017T150249_20151017T153726_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_220151017T164203_20151017T171843_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_220151017T173145_20151017T174742_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_220151017T175358_20151017T175927_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_220151017T183704_20151017T183947_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_220151017T191357_20151017T191948_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_220151017T192231_20151017T192527_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_220151017T192531_20151017T193333_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_220151017T214049_20151017T221210_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_220151017T221543_20151017T221811_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_220151017T232641_20151017T233500_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:
47

Product	Test F
CS_OFFL_SIR_FDM_220151017T003406_20151017T003656_C001	Ocean
CS_OFFL_SIR_FDM_220151017T004515_20151017T004519_C001	Ocean
CS_OFFL_SIR_FDM_220151017T004533_20151017T004832_C001	Ocean
CS_OFFL_SIR_FDM_220151017T010024_20151017T011013_C001	Ocean
CS_OFFL_SIR_FDM_220151017T023649_20151017T031210_C001	Ocean
CS_OFFL_SIR_FDM_220151017T033122_20151017T040307_C001	Ocean
CS_OFFL_SIR_FDM_220151017T041527_20151017T043002_C001	Ocean
CS_OFFL_SIR_FDM_220151017T043443_20151017T045132_C001	Ocean
CS_OFFL_SIR_FDM_220151017T050941_20151017T052257_C001	Ocean
CS_OFFL_SIR_FDM_220151017T052511_20151017T054235_C001	Ocean
CS_OFFL_SIR_FDM_220151017T060437_20151017T061503_C001	Ocean
CS_OFFL_SIR_FDM_220151017T061642_20151017T063015_C001	Ocean
CS_OFFL_SIR_FDM_220151017T065332_20151017T065924_C001	Ocean
CS_OFFL_SIR_FDM_220151017T070359_20151017T070850_C001	Ocean
CS_OFFL_SIR_FDM_220151017T071133_20151017T071722_C001	Ocean
CS_OFFL_SIR_FDM_220151017T071844_20151017T072050_C001	Ocean
CS_OFFL_SIR_FDM_220151017T074804_20151017T080849_C001	Ocean
CS_OFFL_SIR_FDM_220151017T092628_20151017T094812_C001	Ocean
CS_OFFL_SIR_FDM_220151017T102040_20151017T103643_C001	Ocean
CS_OFFL_SIR_FDM_220151017T105204_20151017T105230_C001	Ocean
CS_OFFL_SIR_FDM_220151017T110008_20151017T110904_C001	Ocean
CS_OFFL_SIR_FDM_220151017T110907_20151017T112023_C001	Ocean
CS_OFFL_SIR_FDM_220151017T114518_20151017T121647_C001	Ocean
CS_OFFL_SIR_FDM_220151017T124101_20151017T124330_C001	Ocean

Failed n Retracking Quality Flag n Retracking Quality Flag

Description 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.

CS_OFFL_SIR_FDM_2__20151017T125203_20151017T130538_C001 CS_OFFL_SIR_EDM_2__20151017T132343_20151017T134438_C001 CS_OFFL_SIR_FDM_2__20151017T134723_20151017T135909_C001 CS_OFFL_SIR_FDM_2__20151017T142027_20151017T143334_C001 CS OFFL SIR FDM 2 20151017T143522 20151017T144512 C001 CS_OFFL_SIR_FDM_2__20151017T150249_20151017T153726_C001 CS_OFFL_SIR_FDM_2__20151017T155852_20151017T162305_C001 CS OFFL SIR FDM 2 20151017T164203 20151017T171843 C001 CS_OFFL_SIR_FDM_2__20151017T173145_20151017T174742_C001 CS_OFFL_SIR_FDM_2__20151017T175358_20151017T175927_C001 CS OFFL SIR FDM 2 20151017T180339 20151017T180504 C001 CS_OFFL_SIR_FDM_2__20151017T183704_20151017T183947_C001 CS OFFL SIR FDM 2 20151017T191021 20151017T191234 C001 CS_OFFL_SIR_FDM_2__20151017T191357_20151017T191948_C001 CS_OFFL_SIR_FDM_2__20151017T192231_20151017T192527_C001 CS_OFFL_SIR_FDM_2_20151017T192531_20151017T193333_C001 CS_OFFL_SIR_FDM_2__20151017T200130_20151017T202155_C001 CS_OFFL_SIR_FDM_2__20151017T205105_20151017T210821_C001 CS OFFL SIR FDM 2 20151017T214049 20151017T221210 C001 CS_OFFL_SIR_FDM_2__20151017T221543_20151017T221811_C001 CS_OFFL_SIR_FDM_2__20151017T223238_20151017T224735_C001 CS OFFL SIR FDM 2 20151017T232641 20151017T233500 C001 CS_OFFL_SIR_FDM_2__20151017T234430_20151017T234700_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.