

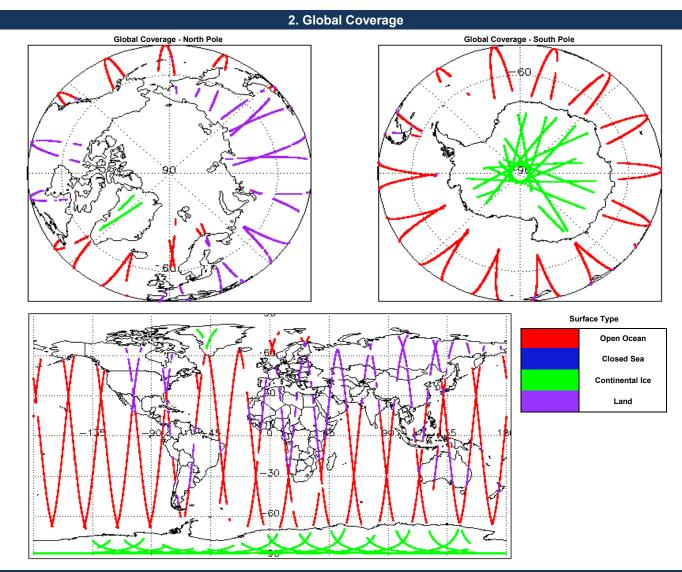
Rep

IDEAS+ Daily Report for FDM data:

<u>06/02/2016</u>

1. Overview			
eport Production Date:	08-Feb-2016	Check	Status
		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) Mode and L0 Data	Product Format Check	Nominal
		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

		Measurement Confidence Data Check	See Section 5.7, 6.5, 6.6, 6.7 and 6.8
Mission / Instru	ment News		
05-Feb-2016	None		
06-Feb-2016	None		
07-Feb-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

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 series of pre-defined checks are carried out on the MPH and	SPH in order to identify any inconsisten	cies and/or errors raised by the processing chain.		
lumber of products with errors: 3				
roduct	Test Failed			
S_OPER_SIR1SAR_020160206T083817_20160206T084200_0001.HDR		Percentage of processing errors detected greater than minimum acceptable threshold.		
S_OPER_SIR1SIN_020160206T092039_20160206T092422_0001.HDR S_OPER_SIR2SIN_020160206T141238_20160206T141356_0001.HDR		Percentage of processing errors detected greater than minimum acceptable threshold. Percentage of processing errors detected greater than minimum acceptable threshold.		
3_0FER_3R23R4_0_201002001141236_201002001141330_0001.hbk	r ercentage of processing	enors detected greater than minimum acceptable threshold.		
5. Lev	el 1B FDM Data Quality	/ Check		
5.1 L1B FDM Product Format Check				
ach 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).		
umber of products with errors: 0				
5.2 L1B FDM Product Header Analysis				
or all products, a series of pre-defined checks are carried out on the MPH and	SPH in order to identify any inconsisten	cies and/or errors raised by the ground-segment processing chain.		
lumber of products with errors: 0				
5.3 L1B FDM Star Tracker Usage Check				
	nd in processing			
ach product is checked in order to ensure a valid star tracker file has been use lumber of products with errors: 4	รด แก่ คายประจอแห่ง.			
Product	Test Failed			
S_OFFL_SIR_FDM_1B_20160206T163013_20160206T163726_C001		n the processing of this product		
S_OFFL_SIR_FDM_1B_20160206T181355_20160206T181456_C001	No Star Tracker file used in	n the processing of this product		
S_OFFL_SIR_FDM_1B_20160206T195300_20160206T195425_C001	No Star Tracker file used in	n the processing of this product		
S_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001	No Star Tracker file used in	n the processing of this product		
5.4 L1B FDM Calibration Usage Check				
ach product is checked in order to ensure the necessary calibration files have	been used in processing.			
lumber of products with errors: 0				
5.5 L1B FDM Auxilary Data File Usage Check				
ach product is checked for missing Data Set Descriptors with respect to a pre- lumber of products with errors: 0	determined baseline and also to check t	he validity of Auxiliary Data Files is correct.		
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 indica	ates any problems when set.		
	•			
lumber of products with errors: 0				
lumber of products with errors: 0		flag indicates any problems when set.		
Jumber of products with errors: 0 5.7 L1B FDM Measurement Confidence Data Check		flag indicates any problems when set.		
umber of products with errors: 0 5.7 L1B FDM Measurement Confidence Data Check ryoSat L1B data includes a measurement confidence flag (field 18) for each m umber of products with errors: 4		flag indicates any problems when set. Description		
Jumber of products with errors: 0 5.7 L1B FDM Measurement Confidence Data Check GryoSat L1B data includes a measurement confidence flag (field 18) for each m Jumber of products with errors: 4 roduct	easurement record. The bit value of this			
Image: State of products with errors: 0 5.7 L1B FDM Measurement Confidence Data Check BryoSat L1B data includes a measurement confidence flag (field 18) for each measurement of products with errors: 4 roduct SS_OFFL_SIR_FDM_1B_20160206T163013_20160206T163726_C001	easurement record. The bit value of this	Description		
Jumber of products with errors: 0 5.7 L1B FDM Measurement Confidence Data Check Group Struct 4 Import of products with errors: 4 Import Struct 4 Source	Test Failed Attitude correction missing Attitude correction missing	Description The attitude has not been corrected The attitude has not been corrected		
Jumber 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 measurement of products with errors: 4 Product ES_OFFL_SIR_FDM_1B_20160206T163013_20160206T163726_C001 ES_OFFL_SIR_FDM_1B_20160206T181355_20160206T181456_C001 ES_OFFL_SIR_FDM_1B_20160206T195300_20160206T195425_C001	Test Failed Attitude correction missing 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		
Jumber 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 measurement confidence flag (field 18) for each measurement confidence flag (field 18) for each measurement of products with errors: CryoSat L1B data includes a measurement confidence flag (field 18) for each measurement confidence flag (field 18) for each measurement of products with errors: CryoSat L1B data includes a measurement confidence flag (field 18) for each measurement of products with errors: CryoSat L1B data includes a measurement confidence flag (field 18) for each measurement confidence flag (field 18)	Test Failed Attitude correction missing Attitude correction missing	Description The attitude has not been corrected The attitude has not been corrected		
Jumber of products with errors: 0 5.7 L1B FDM Measurement Confidence Data Check Groosat L1B data includes a measurement confidence flag (field 18) for each measurement confidence flag (field 18) for each measurement of products with errors: 4 Product SS_OFFL_SIR_FDM_1B_20160206T163013_20160206T163726_C001 SS_OFFL_SIR_FDM_1B_20160206T181355_20160206T181456_C001 SS_OFFL_SIR_FDM_1B_20160206T195300_20160206T195425_C001 SS_OFFL_SIR_FDM_1B_20160206T195335_20160206T195425_C001	Test Failed Attitude correction missing Attitude correction missing Attitude correction missing	Description The attitude has not been corrected		
Jumber of products with errors: 0 5.7 L1B FDM Measurement Confidence Data Check Groosat L1B data includes a measurement confidence flag (field 18) for each measurement confidence flag (field 18) for each measurement of products with errors: 4 Product SS_OFFL_SIR_FDM_1B_20160206T163013_20160206T163726_C001 SS_OFFL_SIR_FDM_1B_20160206T181355_20160206T181456_C001 SS_OFFL_SIR_FDM_1B_20160206T195300_20160206T195425_C001 SS_OFFL_SIR_FDM_1B_20160206T195335_20160206T195425_C001	Test Failed Attitude correction missing	Description The attitude has not been corrected		
Jumber 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 measurement confidence flag (field 18) for each measurement for products with errors: 4 Product CS_OFFL_SIR_FDM_1B_20160206T163013_20160206T163726_C001 CS_OFFL_SIR_FDM_1B_20160206T181355_20160206T181456_C001 CS_OFFL_SIR_FDM_1B_20160206T195300_20160206T195425_C001 CS_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001 CS_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001 CS_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001	Test Failed Attitude correction missing Vel 2 FDM Data Quality	Description The attitude has not been corrected Check		
Jumber 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 measurement confidence flag (field 18) for each measurement of products with errors: 4 Product SS_OFFL_SIR_FDM_1B_20160206T163013_20160206T163726_C001 SS_OFFL_SIR_FDM_1B_20160206T181355_20160206T181456_C001 SS_OFFL_SIR_FDM_1B_20160206T195300_20160206T195425_C001 SS_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001 SS_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001	Test Failed Attitude correction missing Vel 2 FDM Data Quality	Description The attitude has not been corrected Check		
Jumber of products with errors: 0 5.7 L1B FDM Measurement Confidence Data Check tryoSat L1B data includes a measurement confidence flag (field 18) for each measurement for products with errors: tryoduct SS_OFFL_SIR_FDM_1B_20160206T163013_20160206T163726_C001 SS_OFFL_SIR_FDM_1B_20160206T181355_20160206T181456_C001 SS_OFFL_SIR_FDM_1B_20160206T195300_20160206T195425_C001 SS_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001 SS_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001 SS_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001 C1 SS_OFFL_SIR_FDM_1B_20160206T1213335_20160206T213613_C001 C1 SS_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001	Test Failed Attitude correction missing Vel 2 FDM Data Quality	Description The attitude has not been corrected Check		
Jumber 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 measurement confidence flag (field 18) for each measurement for products with errors: CryoSat L1B data includes a measurement confidence flag (field 18) for each measurement for products with errors: CryoSat L1B data includes a measurement confidence flag (field 18) for each measurement for products with errors: CryoSat L1B data includes a measurement confidence flag (field 18) for each measurement for product with errors: CryoSat L1B data includes a measurement confidence flag (field 18) for each measurement for product support flag 18, 20160206T163013_20160206T163726_C001 CS_OFFL_SIR_FDM_1B_20160206T181355_20160206T195425_C001 CS_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001 CS_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001 CS_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001 CS_LCE CALL CS_LCE CALL CALL <t< td=""><td>Test Failed Attitude correction missing Vel 2 FDM Data Quality</td><td>Description The attitude has not been corrected Check</td></t<>	Test Failed Attitude correction missing Vel 2 FDM Data Quality	Description The attitude has not been corrected Check		
Jumber of products with errors: 0 5.7 L1B FDM Measurement Confidence Data Check tryoSat L1B data includes a measurement confidence flag (field 18) for each measurement for products with errors: 4 roduct tryoSat L1B DM_1B_20160206T163013_20160206T163726_C001 ts_OFFL_SIR_FDM_1B_20160206T181355_20160206T181456_C001 ts_OFFL_SIR_FDM_1B_20160206T195300_20160206T195425_C001 ts_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001 ts_OFFL_	Test Failed Attitude correction missing Vel 2 FDM Data Quality Insure it consists of both an XML header	Description The attitude has not been corrected file (.HDR) and a binary product file (.DBL).		
Jumber of products with errors: 0 5.7 L1B FDM Measurement Confidence Data Check tryoSat L1B data includes a measurement confidence flag (field 18) for each measurement for products with errors: 4 roduct tryoSat L1B DM_1B_20160206T163013_20160206T163726_C001 ts_OFFL_SIR_FDM_1B_20160206T181355_20160206T181456_C001 ts_OFFL_SIR_FDM_1B_20160206T195300_20160206T195425_C001 ts_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001 ts_OFFL_	Test Failed Attitude correction missing Vel 2 FDM Data Quality Insure it consists of both an XML header	Description The attitude has not been corrected file (.HDR) and a binary product file (.DBL).		
Jumber 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 measurement confidence flag (field 18) for each measurement for products with errors: Croduct Croduct S2_OFFL_SIR_FDM_1B_20160206T163013_20160206T163726_C001 S2_OFFL_SIR_FDM_1B_20160206T181355_20160206T181456_C001 S2_OFFL_SIR_FDM_1B_20160206T195300_20160206T195425_C001 S2_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001 C3_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001 C4_C C5_LC@ C5_LL2 FDM Product Format Check Cach product, retrieved and unpacked from the science server, is checked to error Number of products with errors: 0 C5_L2 FDM Product Header Analysis Cor all products, a series of pre-defined checks are carried out on the MPH and	Test Failed Attitude correction missing Vel 2 FDM Data Quality Insure it consists of both an XML header	Description The attitude has not been corrected file (.HDR) and a binary product file (.DBL).		
Jumber 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 measurement for products with errors: 4 Product S2_OFFL_SIR_FDM_1B_20160206T163013_20160206T163726_C001 S2_OFFL_SIR_FDM_1B_20160206T181355_20160206T181456_C001 S2_OFFL_SIR_FDM_1B_20160206T195300_20160206T195425_C001 S2_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001 S2_OFFL_SIR_FDM_1B_20160206T21613365_20160000 S2_OFFL_SIR_FDM_	Test Failed Attitude correction missing Number of the provided of the provi	Description The attitude has not been corrected Check file (.HDR) and a binary product file (.DBL). cies and/or errors raised by the ground-segment processing chain.		
Jumber 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 measurement for products with errors: 4 Product 2S_OFFL_SIR_FDM_1B_20160206T163013_20160206T163726_C001 2S_OFFL_SIR_FDM_1B_20160206T195300_20160206T181456_C001 2S_OFFL_SIR_FDM_1B_20160206T195300_20160206T195425_C001 2S_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001 2S_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001 2S_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001 2S_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001 2S_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001 2S_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001 2S_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001 2S_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001 2S_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001 3S_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001 3S_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001 3S_OFFL_SIR_FDM_1B_20160206T16T0 4 0 3S_OFFL_SIR_FDM_1B_20160206T16T0 0 4 0 3S_OFFL_SIR_FDM_1B_20160206T16T0 0 3S_OFFL_SIR_FDM_1B_201602	Test Failed Attitude correction missing Number of the provided of the provi	Description The attitude has not been corrected Check file (.HDR) and a binary product file (.DBL). cies and/or errors raised by the ground-segment processing chain.		
Jumber 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 measurement for products with errors: 4 Product 2:S_OFFL_SIR_FDM_1B_20160206T163013_20160206T163726_C001 2:S_OFFL_SIR_FDM_1B_20160206T195300_20160206T181456_C001 2:S_OFFL_SIR_FDM_1B_20160206T195300_20160206T195425_C001 2:S_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001 2:S_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001 3:S_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001 3:S_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001 3:S_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001 3:S_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001 3:S_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001 3:S_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001 3:S_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001 3:S_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001 3:S_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001 3:S_OFFL_SIR_FDM_1B_20160206T16TE 3:S_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001 3:S_OFFL_SIR_FDM_1B_20160206T16TE 3:S_OFFL_SIR_FDM_1B_20160206T16TE 4:S_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001<	Test Failed Attitude correction missing Number of the provided of the provi	Description The attitude has not been corrected Check file (.HDR) and a binary product file (.DBL). cies and/or errors raised by the ground-segment processing chain.		
Jumber of products with errors: 0 5.7 L1B FDM Measurement Confidence Data Check Group 4 roduct 4 roduct 4 SOFFL_SIR_FDM_1B_20160206T163013_20160206T163726_C001 5 SOFFL_SIR_FDM_1B_20160206T181355_20160206T181456_C001 5 SOFFL_SIR_FDM_1B_20160206T195300_20160206T195425_C001 5 SOFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001 6 SS_OFFL_SIR_FDM_1B_20160206T213335_20160206T213613_C001 6	easurement record. The bit value of this Test Failed Attitude correction missing vel 2 FDM Data Quality nsure it consists of both an XML header SPH in order to identify any inconsisten determined baseline and also to check t	Description The attitude has not been corrected file (.HDR) and a binary product file (.DBL). cies and/or errors raised by the ground-segment processing chain. he validity of Auxiliary Data Files is correct.		

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220160206T002950_20160206T004014_C001	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
CS_OFFL_SIR_FDM_220160206T004154_20160206T005652_C001	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
CS_OFFL_SIR_FDM_220160206T013525_20160206T014234_C001	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
CS_OFFL_SIR_FDM_220160206T021328_20160206T023558_C001	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
CS_OFFL_SIR_FDM_220160206T042818_20160206T050146_C001	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
CS_OFFL_SIR_FDM_220160206T053310_20160206T054555_C001	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
CS_OFFL_SIR_FDM_220160206T060721_20160206T064203_C001	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
CS_OFFL_SIR_FDM_220160206T074702_20160206T080950_C001	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
CS_OFFL_SIR_FDM_220160206T082336_20160206T082415_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220160206T092646_20160206T095859_C001	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
CS_OFFL_SIR_FDM_220160206T101649_20160206T102343_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220160206T110615_20160206T113520_C001	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
CS_OFFL_SIR_FDM_220160206T120107_20160206T121253_C001	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
CS_OFFL_SIR_FDM_220160206T124534_20160206T130036_C001	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
CS_OFFL_SIR_FDM_220160206T130216_20160206T130458_C001	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
CS_OFFL_SIR_FDM_220160206T142510_20160206T144716_C001	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
CS_OFFL_SIR_FDM_220160206T151618_20160206T155100_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220160206T165756_20160206T173020_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220160206T175119_20160206T180300_C001	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
CS_OFFL_SIR_FDM_220160206T180755_20160206T180929_C001	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
CS_OFFL_SIR_FDM_220160206T183416_20160206T190917_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220160206T192649_20160206T193056_C001	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
CS_OFFL_SIR_FDM_220160206T202544_20160206T204800_C001	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
CS_OFFL_SIR_FDM_220160206T210119_20160206T212820_C001	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
CS_OFFL_SIR_FDM_220160206T213335_20160206T213613_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220160206T213613_20160206T213701_C001	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
CS_OFFL_SIR_FDM_220160206T215456_20160206T222656_C001	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
CS_OFFL_SIR_FDM_220160206T224452_20160206T225720_C001	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
CS_OFFL_SIR_FDM_220160206T225800_20160206T231510_C001	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
CS_OFFL_SIR_FDM_220160206T233646_20160206T234818_C001	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
CS_OFFL_SIR_FDM_220160206T235021_20160207T000607_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction and Mean Sea Surface height 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:
 4

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220160206T163013_20160206T163726_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220160206T181355_20160206T181456_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220160206T195300_20160206T195425_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220160206T213335_20160206T213613_C001	Attitude correction missing	The attitude has not been corrected

6.6 L2 FDM Range Measurement Check

CryoSat L2 data includes a CFI (field 17) and OCOG (field 22) Range Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set.

 Number of products with errors:
 21

Test Failed Description Product The master fail flag is set by the CFI call, for one or more records CS_OFFL_SIR_FDM_2__20160206T002950_20160206T004014_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records CS_OFFL_SIR_FDM_2__20160206T004154_20160206T005652_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, CS_OFFL_SIR_FDM_2__20160206T013525_20160206T014234_C001 indicating the values stored in fields #13, #14, #15 and #16 should be CFI Retracked Range Flag ignored for these records. The master fail flag is set by the CFI call, for one or more records, CS_OFFL_SIR_FDM_2__20160206T021328_20160206T023558_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, CS OFFL SIR FDM 2 20160206T042818 20160206T050146 C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. 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 CS_OFFL_SIR_FDM_2__20160206T053310_20160206T054555_C001 CFI Retracked Range Flag ignored for these records. The master fail flag is set by the CFI call, for one or more records CFI Retracked Range Flag CS_OFFL_SIR_FDM_2__20160206T060721_20160206T064203_C001 indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.

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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
	 CFI Retracked Range Flag

6.7 L2 FDM SWH and Backscatter Measurement Check

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:	21
Number of producto with circle.	

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220160206T002950_20160206T004014_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_220160206T004154_20160206T005652_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_220160206T013525_20160206T014234_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_220160206T021328_20160206T023558_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_220160206T042818_20160206T050146_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_220160206T053310_20160206T054555_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_220160206T060721_20160206T064203_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_220160206T074702_20160206T080950_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_220160206T092646_20160206T095859_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_220160206T110615_20160206T113520_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_220160206T120107_20160206T121253_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_220160206T124534_20160206T130036_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_220160206T130216_20160206T130458_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_220160206T142510_20160206T144716_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_220160206T175119_20160206T180300_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_220160206T180755_20160206T180929_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_220160206T202544_20160206T204800_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_220160206T210119_20160206T212820_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.

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.
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.
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:
 37

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220160206T002950_20160206T004014_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_220160206T004154_20160206T005652_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_220160206T013016_20160206T013401_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_220160206T013525_20160206T014234_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_220160206T021328_20160206T023558_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_220160206T042818_20160206T050146_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_220160206T053310_20160206T054555_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_220160206T060721_20160206T064203_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_220160206T071707_20160206T073451_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_220160206T074702_20160206T080950_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_220160206T081236_20160206T082210_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_220160206T082336_20160206T082415_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_220160206T084609_20160206T085846_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_220160206T092646_20160206T095859_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_220160206T102400_20160206T104816_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_220160206T110615_20160206T113520_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_220160206T120107_20160206T121253_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_220160206T121912_20160206T122439_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_220160206T122443_20160206T123014_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_220160206T124534_20160206T130036_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_220160206T130216_20160206T130458_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_220160206T133909_20160206T134527_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_220160206T134743_20160206T141153_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_220160206T142510_20160206T144716_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_220160206T151618_20160206T155100_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_220160206T160345_20160206T163010_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_220160206T165756_20160206T173020_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_220160206T175119_20160206T180300_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_220160206T180755_20160206T180929_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_220160206T182042_20160206T182124_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_220160206T193116_20160206T194555_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_220160206T202544_20160206T204800_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_220160206T210119_20160206T212820_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_220160206T215456_20160206T222656_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_220160206T224452_20160206T225720_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_220160206T233646_20160206T234818_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_220160206T235021_20160207T000607_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.