



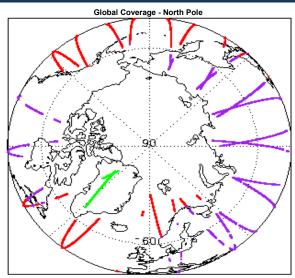
1. Overview

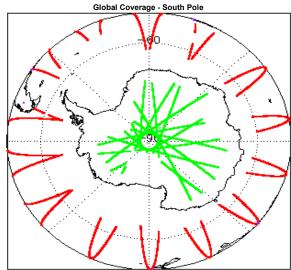
Report Production Date:	29-May-2018
Processor Used:	CryoSat Ice Processor
Data Used:	L1 and L2 Fast Delivery Marine (FDM)

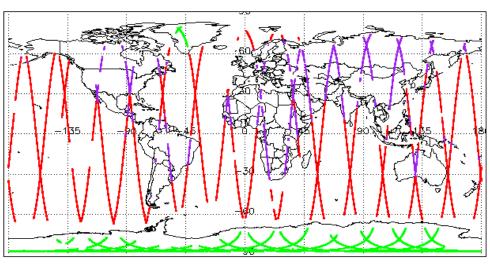
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check	Nominal
Auxiliary Data File 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

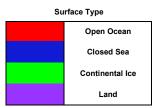
Mission / Instru	ment News
26-May-2018	None
27-May-2018	None
28-May-2018	Nothing planned

2. Global Coverage









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).

Number of products with errors:

0

4.2 L0 Product Header Analysis

For all products, a series of pre-defined checks are carried out on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the processing chain.

Product	Test Failed
CS_OPER_SIR1SAR_020180527T172602_20180527T172711_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020180527T102029_20180527T103026_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020180527T190411_20180527T191013_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020180527T140527_20180527T140629_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020180527T122717_20180527T122912_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020180527T140527_20180527T140629_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020180527T200153_20180527T200553_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.

5. Level 1B FDM Data Quality Check

5.1 L1B FDM 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).

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 inconsistencies and/or errors raised by the ground-segment processing chain.

Number of products with errors:

5.3 L1B FDM Star Tracker Usage Check

Each product is checked in order to ensure a valid star tracker file has been used in processing.

Number of products with errors:

Product	Test Failed
CS_OFFL_SIR_FDM_1B_20180527T001708_20180527T001759_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20180527T015658_20180527T015708_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20180527T051947_20180527T052259_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20180527T215049_20180527T215131_C001	No Star Tracker file used in the processing of this product

5.4 L1B FDM Calibration Usage Check

Each product is checked in order to ensure the necessary calibration files have been used in processing.

Number of products with errors:

5.5 L1B FDM Auxilary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.

Number of products with errors:

5.6 L1B FDM Auxiliary Correction Error Check

CryoSat L1B data includes a correction error flag (field 54) for each measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

5.7 L1B FDM Measurement Confidence Data Check

CryoSat L1B data includes a measurement confidence flag (field 18) 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_1B_20180527T001708_20180527T001759_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20180527T015658_20180527T015708_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20180527T051947_20180527T052259_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20180527T214545_20180527T215031_C001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_FDM_1B_20180527T215049_20180527T215131_C001	Attitude correction missing	The attitude has not been corrected

6. Level 2 FDM Data Quality Check

6.1 L2 FDM 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).

Number of products with errors:

6.2 L2 FDM Product Header Analysis

For all products, a series of pre-defined checks are carried out on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.

Number of products with errors:

6.3 L2 FDM Auxiliary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.

Number of products with errors:

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.

CS_OFFL_SIR_FDM_2_20180527T003705_20180527T011100_C001 Wind S Sea Site Wind S CS_OFFL_SIR_FDM_2_20180527T022837_20180527T025012_C001 Wind S CS_OFFL_SIR_FDM_2_20180527T022837_20180527T025012_C001 Wind S Sea Site Wind S CS_OFFL_SIR_FDM_2_20180527T035639_20180527T042914_C001 Wind S Sea Site Wind S CS_OFFL_SIR_FDM_2_20180527T044746_20180527T051800_C001 CS_OFFL_SIR_FDM_2_20180527T044746_20180527T051800_C001 Wind S Sea Site Wind S Sea Site Wind S CS_OFFL_SIR_FDM_2_20180527T053661_20180527T055107_C001 Wind S CS_OFFL_SIR_FDM_2_20180527T053661_20180527T068029_C001 Sea Site CS_OFFL_SIR_FDM_2_20180527T05312_20180527T06829_C001 Sea Site CS_OFFL_SIR_FDM_2_20180527T064141_20180527T065412_C001 Wind S CS_OFFL_SIR_FDM_2_20180527T071040_20180527T072522_C001 Wind S CS_OFFL_SIR_FDM_2_20180527T072849_20180527T073132_C001 Sea Site CS_OFFL_SIR_FDM_2_20180527T072849_20180527T073132_C001 Sea Site CS_OFFL_SIR_FDM_2_20180527T080149_20180527T092625_C001 Wind S CS_OFFL_SIR_FDM_2_20180527T090442_20180527T092625_C001 Wind S CS_OFFL_SIR_FDM_2_20180527T1094052_20180527T106640_C001 Sea Site CS_OFFL_SIR_FDM_2_20180527T1094052_20180527T1106840_C001 Wind S CS_OFFL_SIR_FDM_2_20180527T112036_20180527T1106840_C001 Wind S CS_OFFL_SIR_FDM_2_20180527T112036_20180527T115433_C001 Sea Site Wind S CS_OFFL_SIR_FDM_2_20180527T112036_20180527T115433_C001 Sea Site Wind S CS_OFFL_SIR_FDM_2_20180527T112086_20180527T1124544_C001 Wind S CS_OFFL_SIR_FDM_2_20180527T1130012_20180527T1134757_C001 Wind S CS_OFFL_SIR_FDM_2_20180527T134656_20180527T154150_C001 Wind S CS_OFFL_SIR_FDM_2_20180527T154246_20180527T154150_C001 Wind S CS_OFFL_SIR_FDM_2_20180527T164052_20180527T154150_C001 Wind S CS_OFFL_SIR_FDM_2_20180527T164052_20180527T154150_C001 Wind S CS_OFFL_SIR_FDM_2_20180527T164052_20180527T154150_C001 Wind S CS_OFFL_SIR_FDM_2_20180527T164052_20180527T16405127T164052_C001 Wind S CS_OFFL_SIR_FDM_2_20180527T164052_20180527T164052_T001 Sea Site Wind S CS_OFFL_SIR_FDM_2_20180527T164052_20180527T16405127T160021_C001 Wind S CS_OFFL_SIR_FDM_2_20180527T164052_20180527T164052_T0	te Bias Correction, Altimetric beed te Bias Correction te Bias Correction te Bias Correction te Bias Correction te Bias Correction, Altimetric beed te Bias Correction, Altimetric bias Correction, Altimetric bias Correction, Altimetric bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Sea State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Sea State Bias Correction for one or more records There is an error with the Sea State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State B
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CS_OFFL_SIR_FDM_2_20180527T104109_20180527T110628_C001 Sea State	te Bias Correction, Altimetric beed te Bias Correction te Bias Correction, Altimetric beed te Bias Correction, Altimetric beed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Sea State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_2_20180527T104109_20180527T110628_C001 Sea Sta Wind S; CS_OFFL_SIR_FDM_2_20180527T112036_20180527T113130_C001 Sea Sta Wind S; CS_OFFL_SIR_FDM_2_20180527T113708_20180527T115433_C001 Sea Sta Sta Wind S; CS_OFFL_SIR_FDM_2_20180527T124011_20180527T124534_C001 Sea Sta Wind S; CS_OFFL_SIR_FDM_2_20180527T130012_20180527T133355_C001 CS_OFFL_SIR_FDM_2_20180527T134656_20180527T133355_C001 Sea Sta Wind S; CS_OFFL_SIR_FDM_2_20180527T134656_20180527T134757_C001 Sea Sta Wind S; CS_OFFL_SIR_FDM_2_20180527T143904_20180527T151314_C001 Sea Sta Wind S; CS_OFFL_SIR_FDM_2_20180527T153729_20180527T154150_C001 Sea Sta Wind S; CS_OFFL_SIR_FDM_2_20180527T154246_20180527T160021_C001 Sea Sta Wind S; CS_OFFL_SIR_FDM_2_20180527T164052_20180527T163945_C001 Sea Sta Wind S; CS_OFFL_SIR_FDM_2_20180527T164052_20180527T164914_C001 Sea Sta Wind S; CS_OFFL_SIR_FDM_2_20180527T164052_20180527T172602_C001 Sea Sta Wind S; CS_OFFL_SIR_FDM_2_20180527T170757_20180527T172602_C001 Sea Sta Wind S; CS_OFFL_SIR_FDM_2_20180527T170757_20180527T174053_C001 Sea Sta Wind S; CS_OFFL_SIR_FDM_2_20180527T175801_20180527T174053_C001 Sea Sta Wind S; CS_OFFL_SIR_FDM_2_20180527T175801_20180527T181322_C001 Sea Sta Wind S; CS_OFFL_SIR_FDM_2_20180527T175801_20180527T182447_C001 Sea Sta Wind S; CS_OFFL_SIR_FDM_2_20180527T181524_20180527T1842447_C001 Sea Sta Wind S;	te Bias Correction, Altimetric beed te Bias Correction, Altimetric beed te Bias Correction te Bias Correction, Altimetric beed te Bias Correction, Altimetric beed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Sea State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_2_20180527T112036_20180527T113130_C001 Sea Sta Wind S CS_OFFL_SIR_FDM_2_20180527T113708_20180527T115433_C001 Sea Sta Sta Sta Sta Sta Sta Sta Sta Sta St	te Bias Correction, Altimetric beed te Bias Correction te Bias Correction, Altimetric beed te Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Sea State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_2_20180527T113708_20180527T115433_C001 Sea State	te Bias Correction te Bias Correction, Altimetric oeed te Bias Correction, Altimetric oeed	There is an error with the Sea State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_2_20180527T130012_20180527T133355_C001 Wind Sign Star Star Star Star Star Star Star Star	peed te Bias Correction, Altimetric peed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_2_20180527T130012_20180527T133355_C001 Sea Sta Wind S; Sea Sta Sta Sta Sta Sta Sta Sta Sta Sta St	te Bias Correction, Altimetric peed	There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_2_20180527T134656_20180527T134757_C001 Sea Sta Wind S CS_OFFL_SIR_FDM_2_20180527T143904_20180527T151314_C001 Sea Sta Sta CS_OFFL_SIR_FDM_2_20180527T153729_20180527T154150_C001 CS_OFFL_SIR_FDM_2_20180527T154246_20180527T160021_C001 Sea Sta Wind S CS_OFFL_SIR_FDM_2_20180527T161909_20180527T163945_C001 Sea Sta Wind S CS_OFFL_SIR_FDM_2_20180527T164052_20180527T164914_C001 Sea Sta Wind S CS_OFFL_SIR_FDM_2_20180527T164052_20180527T172602_C001 Sea Sta Wind S CS_OFFL_SIR_FDM_2_20180527T170757_20180527T172602_C001 Sea Sta Wind S CS_OFFL_SIR_FDM_2_20180527T172909_20180527T174053_C001 Sea Sta Wind S CS_OFFL_SIR_FDM_2_20180527T175801_20180527T181322_C001 Sea Sta Wind S CS_OFFL_SIR_FDM_2_20180527T1801220180527T181324_C001 Sea Sta Wind S CS_OFFL_SIR_FDM_2_20180527T181524_20180527T182447_C001 Sea Sta Wind S CS_OFFL_SIR_FDM_2_20180527T184728_20180527T184851_C001		Correction for one or more records
CS_OFFL_SIR_FDM_2_20180527T143904_20180527T151314_C001 Sea State		There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
\text{Wind S} \\ \text{CS_OFFL_SIR_FDM_2_20180527T153729_20180527T160021_C001} \text{Wind S} \\ \text{Sea Sta} \\ \text{Wind S} \\ \text{CS_OFFL_SIR_FDM_2_20180527T161909_20180527T163945_C001} \text{Sea Sta} \\ \text{CS_OFFL_SIR_FDM_2_20180527T164052_20180527T164914_C001} \text{Sea Sta} \\ \text{CS_OFFL_SIR_FDM_2_20180527T170757_20180527T172602_C001} \text{Sea Sta} \\ \text{CS_OFFL_SIR_FDM_2_20180527T172909_20180527T174053_C001} \text{Wind S} \\ \text{CS_OFFL_SIR_FDM_2_20180527T172909_20180527T174053_C001} \text{Vind S} \\ \text{CS_OFFL_SIR_FDM_2_20180527T175801_20180527T181322_C001} \text{Sea Sta} \\ \text{Wind S} \\ \text{CS_OFFL_SIR_FDM_2_20180527T181524_20180527T182447_C001} \text{Sea Sta} \\ \text{Vind S} \\ \text{Sea Sta} \\ \text{Sea Sta} \\ \text{Vind S} \\ Sea	te Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_2_20180527T154246_20180527T160021_C001 Sea Sta Wind S CS_OFFL_SIR_FDM_2_20180527T161909_20180527T163945_C001 Sea Sta Wind S CS_OFFL_SIR_FDM_2_20180527T164052_20180527T164914_C001 Sea Sta Wind S CS_OFFL_SIR_FDM_2_20180527T170757_20180527T172602_C001 CS_OFFL_SIR_FDM_2_20180527T172909_20180527T174053_C001 CS_OFFL_SIR_FDM_2_20180527T175801_20180527T174053_C001 Sea Sta Wind S CS_OFFL_SIR_FDM_2_20180527T175801_20180527T181322_C001 CS_OFFL_SIR_FDM_2_20180527T181524_20180527T182447_C001 Sea Sta Wind S CS_OFFL_SIR_FDM_2_20180527T184728_20180527T184851_C001	te Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_2_20180527T161909_20180527T163945_C001 Sea State	te Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
Sea State	te Bias Correction	Correction for one or more records There is an error with the Sea State Bias Correction for one or more
CS_OFFL_SIR_FDM_2_20180527T170757_20180527T172602_C001 Sea Sta Wind S CS_OFFL_SIR_FDM_2_20180527T172909_20180527T174053_C001 Sea Sta Wind S CS_OFFL_SIR_FDM_2_20180527T175801_20180527T181322_C001 Sea Sta Wind S CS_OFFL_SIR_FDM_2_20180527T181524_20180527T182447_C001 Wind S CS_OFFL_SIR_FDM_2_20180527T184728_20180527T184851_C001 Sea Sta Wind S	te Bias Correction, Altimetric	records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_2_201805271170757_201805271172602_C001 Wind Si CS_OFFL_SIR_FDM_2_20180527T172909_20180527T174053_C001 Sea Sta CS_OFFL_SIR_FDM_2_20180527T175801_20180527T181322_C001 Sea Sta Wind Si Sea Sta CS_OFFL_SIR_FDM_2_20180527T181524_20180527T182447_C001 Sea Sta CS_OFFL_SIR_FDM_2_20180527T184728_20180527T184851_C001 Sea Sta Wind Si Sea Sta Wind Si Sea Sta Wind Si Sea Sta	peed te Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
\text{Wind S} \\ \text{CS_OFFL_SIR_FDM_2_20180527T178909_20180527T174053_C001} \\ \text{Wind S} \\ \text{Sea State} \\ \text{Wind S} \\ \text{CS_OFFL_SIR_FDM_2_20180527T181524_20180527T182447_C001} \\ \text{Sea State} \\ \text{Wind S} \\ \text{Sea State} \\ \text{Wind S} \\ \text{CS_OFFL_SIR_FDM_2_20180527T184728_20180527T184851_C001} \\ \text{Sea State} \\ \text{Wind S} \\ \text{Sea State} \	peed	Correction for one or more records
Wind Si Sea Sta Wind Si Sea St		There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_2_2018052/T181524_2018052/T182447_C001	te Bias Correction, Altimetric beed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220180527T184728_20180527T184851_C001 Sea Sta Wind S	te Bias Correction, Altimetric peed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
	te Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220180527T185122_20180527T190411_C001 Sea Sta	te Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220180527T192206_20180527T192316_C001	te Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
		There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220180527T203030_20180527T210240_C001	te Bias Correction	There is an error with the Altimetric Wind Speed and Sea State Bias
	te Bias Correction, Altimetric	Correction for one or more records
	te Bias Correction, Altimetric beed te Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220180527T225553_20180527T232441_C001	te Bias Correction, Altimetric beed te Bias Correction, Altimetric beed te Bias Correction, Altimetric	

6.5 L2 FDM Measurement Confidence Data Check

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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:

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

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.

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220180527T000858_20180527T001118_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_220180527T003705_20180527T011100_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_220180527T022837_20180527T025012_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_220180527T035639_20180527T042914_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_2_20180527T044746_20180527T051800_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_2_20180527T053651_20180527T055107_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_2_20180527T064141_20180527T065412_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_2_20180527T071040_20180527T072522_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_2_20180527T090442_20180527T092625_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_2_20180527T094052_20180527T100640_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_2_20180527T104109_20180527T110628_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_2_20180527T130012_20180527T133355_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_220180527T153729_20180527T154150_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_2_20180527T154246_20180527T160021_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_220180527T164052_20180527T164914_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_220180527T175801_20180527T181322_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_2_20180527T181524_20180527T182447_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_220180527T184728_20180527T184851_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_220180527T203030_20180527T210240_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_2_20180527T211729_20180527T214159_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_220180527T221410_20180527T222451_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_220180527T225553_20180527T232441_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.

Decident	Test Failed	Description
Product	Test Failed	Description The Control of the Contr
CS_OFFL_SIR_FDM_220180527T000858_20180527T001118_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_220180527T003705_20180527T011100_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_220180527T022837_20180527T025012_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_220180527T035639_20180527T042914_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_220180527T044746_20180527T051800_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_220180527T053651_20180527T055107_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_220180527T064141_20180527T065412_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_220180527T071040_20180527T072522_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_220180527T090442_20180527T092625_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_220180527T094052_20180527T100640_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_220180527T104109_20180527T110628_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_220180527T130012_20180527T133355_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_220180527T153729_20180527T154150_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
CS_OFFL_SIR_FDM_220180527T154246_20180527T160021_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	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 #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_2_20180527T164052_20180527T164914_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_2_20180527T175801_20180527T181322_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_220180527T181524_20180527T182447_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_220180527T184728_20180527T184851_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_220180527T203030_20180527T210240_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_2_20180527T211729_20180527T214159_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_220180527T221410_20180527T222451_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_220180527T225553_20180527T232441_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.

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220180526T234618_20180527T000726_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_220180527T000858_20180527T001118_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_220180527T001406_20180527T001512_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_220180527T002331_20180527T002426_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_220180527T003705_20180527T011100_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_220180527T020033_20180527T020433_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_220180527T021701_20180527T022550_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_220180527T022837_20180527T025012_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_220180527T030516_20180527T031706_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_220180527T031854_20180527T032511_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_220180527T032647_20180527T033128_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_220180527T035639_20180527T042914_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_220180527T044746_20180527T051800_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_220180527T053651_20180527T055107_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_220180527T055312_20180527T060829_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_220180527T062507_20180527T063521_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_220180527T064141_20180527T065412_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_220180527T071040_20180527T072522_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_220180527T072849_20180527T073132_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_220180527T080149_20180527T083510_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_220180527T083735_20180527T083818_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_220180527T090442_20180527T092625_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_220180527T094052_20180527T100640_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_220180527T100643_20180527T100914_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_220180527T104109_20180527T110628_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_220180527T113708_20180527T115433_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_220180527T130012_20180527T133355_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_220180527T135823_20180527T135959_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_220180527T143904_20180527T151314_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_220180527T153729_20180527T154150_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_220180527T154246_20180527T160021_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_220180527T161909_20180527T163945_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_220180527T164052_20180527T164914_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_220180527T164052_20180527T164914_C001	Ocean Retracking Quality Flag	

CS_OFFL_SIR_FDM_220180527T170757_20180527T172602_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_220180527T172909_20180527T174053_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_220180527T175801_20180527T181322_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_220180527T181524_20180527T182447_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_220180527T184728_20180527T184851_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_220180527T185122_20180527T190411_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_220180527T192006_20180527T192132_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_220180527T193743_20180527T195227_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_220180527T203030_20180527T210240_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_220180527T211729_20180527T214159_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_220180527T221410_20180527T222451_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_20180527T225553_20180527T232441_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.

7. QCC Report Analysis

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

Product type	Nb. Products	Nb. QCC Reports	Nb. Valid	Nb. Warnings	Nb. Errors
SIR_FDM_1B	0	149	149	0	0
SIR_FDM_2	0	119	119	0	0

7.1 QCC Errors

Number of QCC reports with errors:

Ο

7.2 QCC Warnings

Number of QCC reports with warnings

0

7.3 Missing QCC Reports

Number of products with missing QCC reports:

0