



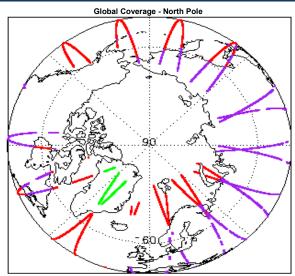
1. Overview

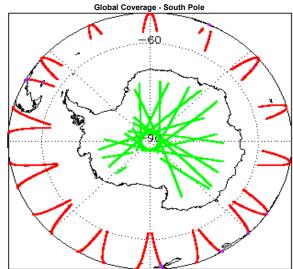
Report Production Date:	04-Oct-2018
Processor Used:	CryoSat Ice Processor
Data Used:	L1 and L2 Fast Delivery Marine (FDM) Mode and L0 Data

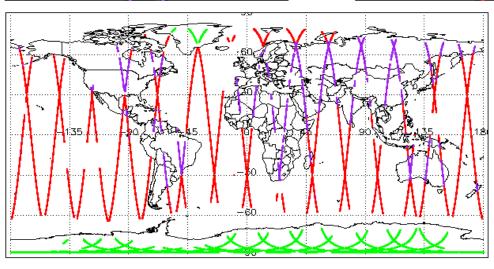
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check	Nominal
Auxiliary Data File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

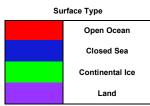
Mission / Instru	ment News
29-Sep-2018	None
30-Sep-2018	None
01-Oct-2018	Nothing planned

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).

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.

Number of products with errors:

Product	Test Failed
CS_OPER_SIR1LRM_020180930T023745_20180930T024413_0001.DBL	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020180930T160436_20180930T160940_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020180930T205514_20180930T205912_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020180930T013237_20180930T014052_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020180930T210309_20180930T211105_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020180930T003213_20180930T003309_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020180930T040043_20180930T040612_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020180930T093529_20180930T094547_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020180930T092355_20180930T093057_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020180930T010628_20180930T010944_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020180930T151600_20180930T151641_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020180930T002553_20180930T002823_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020180930T060515_20180930T060631_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020180930T204107_20180930T204433_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:

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.

0

Number of products with errors:

Product	Test Failed
CS_OFFL_SIR_FDM_1B_20180930T155256_20180930T155905_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20180930T173318_20180930T173549_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20180930T191359_20180930T191424_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20180930T223804_20180930T223834_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: 0

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_20180930T155256_20180930T155905_C001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_FDM_1B_20180930T173318_20180930T173549_C001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_FDM_1B_20180930T191359_20180930T191424_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20180930T223804_20180930T223834_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).

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.

Number of products with errors:

37

Sea State Blas Correction. Alternative Co., OFFL. Sirt, PDM. 2. 201600007100415, 2016000071004516, CO01 Co., OFFL. Sirt, PDM. 2. 201600007100450, 2016000071004516, CO01 Co., OFFL. Sirt, PDM. 2. 201600007100450, 201600007100454, CO01 Co., OFFL. Sirt, PDM. 2. 2016000071010410, 201600007100454, CO01 Co., OFFL. Sirt, PDM. 2. 2016000071010410, 201600007100404, CO01 Co., OFFL. Sirt, PDM. 2. 2016000071010410, 201600007100405, CO01 Co., OFFL. Sirt, PDM. 2. 2016000071010410, 201600007100405, CO01 Co., OFFL. Sirt, PDM. 2. 201600007100410, 201600007100405, CO01 Co., OFFL. Sirt, PDM. 2. 201600007100407, 201600007104040, CO01 Co., OFFL. Sirt, PDM. 2. 201600007100407, 201600007104055, CO01 Co., OFFL. Sirt, PDM. 2. 201600007104407, 201600007104405, CO01 Co., OFFL. Sirt, PDM. 2. 201600007104405, 201600007104405, CO01 Co., OFFL. Sirt, PDM. 2. 201600007104445, 201600007104407, CO01 Co., OFFL. Sirt, PDM. 2. 201600007104407, CO01 Co., OFFL. Sirt, PDM. 2. 201600007	Product	Test Failed	Description
Wind Speed		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
Vivis Speed Oc. CPFL_SIR_FDM_2_0180900710472 ptil09007105440, 2001 See State Bias Correction There is an error with the See State Bias Correction for one or more expenses. The property of	CS_OFFL_SIR_FDM_220180930T003309_20180930T004516_C001		
Se State Blas Correction See State Blas Correction See State Blas Correction There is an error with the Sea State Blas Correction for one or more See State Blas Correction. Althreside Wind Speed See State Blas Correction. Althreside Wind Speed Correction for one or none records Correction for one or none records Correction for one or none records Wind Speed Correction for one or none records Wind Speed Correction. Althreside Wind S	CS_OFFL_SIR_FDM_220180930T004958_20180930T010254_C001		
Sea Sate Bas Correction, Allmetto, Sea State Bas Correction, Allmetto, Wind Speed Correction for on	CS_OFFL_SIR_FDM_220180930T010417_20180930T010628_C001	·	There is an error with the Sea State Bias Correction for one or more
So. OFFL_SR_FDM_2_20169930714947_20169930704040_0001 CS_OFFL_SR_FDM_2_20169930704047_20169930704040_0001 CS_OFFL_SR_FDM_2_20169930704047_20169930704590_0001 CS_OFFL_SR_FDM_2_20169930704947_20169930704590_0001 CS_OFFL_SR_FDM_2_20169930704947_201699030704590_0001 CS_OFFL_SR_FDM_2_20169930704947_201699030707447_0001 CS_OFFL_SR_FDM_2_201699307049482_201699030707447_0001 CS_OFFL_SR_FDM_2_201699307104902_201699030707447_0001 CS_OFFL_SR_FDM_2_201699307104902_201699030707447_0001 CS_OFFL_SR_FDM_2_201699307104902_201699030707447_0001 CS_OFFL_SR_FDM_2_201699307104902_201699030711244_0001 CS_OFFL_SR_FDM_2_201699307114902_00169903711244_0001 CS_OFFL_SR_FDM_2_201699307114902_00169903711244_0001 CS_OFFL_SR_FDM_2_201699307149032_2016990307114902_0001 CS_OFFL_SR_FDM_2_201699307149032_2016990307114902_0001 CS_OFFL_SR_FDM_2_201699307149032_2016990307114902_0001 CS_OFFL_SR_FDM_2_201699307149032_20169903071149032_0001 CS_OFFL_SR_FDM_2_201699307149032_20169903071149032_0001 CS_OFFL_SR_FDM_2_201699307149032_20169903071149032_0001 CS_OFFL_SR_FDM_2_201699307149032_20169903071149032_0001 CS_OFFL_SR_FDM_2_201699307149032_2016990307149032_0001 CS_OFFL_SR_FDM_2_201699307149032_2016990307149032_0001 CS_OFFL_SR_FDM_2_201699307149032_2016990307149032_0001 CS_OFFL_SR_FDM_2_201699307149032_2016990307149032_0001 CS_OFFL_SR_FDM_2_201699307149032_2016990307149032_0001 CS_OFFL_SR_FDM_2_201699307149032_2016990307149032_0001 CS_OFFL_SR_FDM_2_201699307149032_2016990307149032_0001 CS_OFFL_SR_FDM_2_201699307149032_2016990307149032_0001 CS_	CS_OFFL_SIR_FDM_220180930T014053_20180930T015440_C001	Sea State Bias Correction	
Wed Speed C.S. OFFL_SIR_FDM_2_20180930T040912_20180930T04174_C001 See Slate Blas Correction, Allmertic Wind Speed C.S. OFFL_SIR_FDM_2_20180930T040912_20180930T04174_C001 See Slate Blas Correction, Allmertic Wind Speed C.S. OFFL_SIR_FDM_2_20180930T040913_20180930T04190_C001 C.S. OFFL_SIR_FDM_2_20180930T06190_C001 C.S. OFFL_SIR_FDM_2_20180930T11327_C001 C.S. OFFL_SIR_FDM_2_20180930T11327_C001 C.S. OFFL_SIR_FDM_2_20180930T11329_C001 C.S. OFFL_SIR_FDM_2_20180930T13290_C001 C.S	CS_OFFL_SIR_FDM_220180930T021102_20180930T023631_C001		·
So, OFFL_SIR_FDM_2_01808001704367_201808001704374_C001 See State Blas Correction, Altimetric Wind Speed and See State Blas Correction, Altimetric Wind Speed and See State Blas Correction, Altimetric Wind Speed and See State Blas Correction, Altimetric Wind Speed State Blas Correction, Alti	CS_OFFL_SIR_FDM_220180930T031016_20180930T033333_C001		· ·
Sea State Blas Correction, Allmertic Wind Speed Speed State Blas Correction, Allmertic Wind Spee	CS_OFFL_SIR_FDM_220180930T034947_20180930T040043_C001		
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Se Saltate Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed Wi	CS_OFFL_SIR_FDM_2_20180930T073254_20180930T074417_C001		There is an error with the Sea State Bias Correction for one or more
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Sea State Bias Correction, Allimetric Wind Speed and Sea State Bias Correction, Allimetric Wind Speed Speed and Sea State Bias Correction, Allimetric Wind Speed Speed and Sea State Bias Correction, Allimetric Wind Speed Speed and Sea State Bias Correction, Allimetric Wind Speed Speed and Sea State Bias Correction, Allimetric Wind Speed Speed and Sea State Bias Correction, Allimetric Wind Speed Speed and Sea State Bias Correction, Allimetric Wind Speed Speed and Sea State Bias Correction, Allimetric Wind Speed Speed and Sea State Bias Correction, Allimetric Wind Speed Speed and Sea State Bias Correction, Allimetric Wind Speed Speed and Sea State Bias Correction, Allimetric Wind Speed Speed and Sea State Bias Correction, Allimetric Wind Speed Speed and Sea State Bias Correction, Allimetric Wind Speed Speed and Sea State Bias Correction, Allimetric Wind Speed Speed and Sea State Bias Correction, Allimetric Wind Speed Speed and Sea State Bias Correction Proportion Speed Speed	CS_OFFL_SIR_FDM_220180930T104911_20180930T110237_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_2_20180930T122702_0180930T122358_C001 Wind Speed Sa State Bias Correction, Altimetric Correction for one or more records CS_OFFL_SIR_FDM_2_20180930T122402_20180930T112258_C001 Wind Speed Sa State Bias Correction, Altimetric Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Correction, Altimetric Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Correction, Altimetric Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Correction, Altimetric Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Correction, Altimetric Correction for one or more records Sea State Bias Correction, Altimetric Correction for one or more records Sea State Bias Correction, Altimetric Correction for one or more records Sea State Bias Correction, Altimetric Correction for one or more records Sea State Bias Correction, Altimetric Correction for one or more records Sea State Bias Correction, Altimetric Correction for one or more records Sea State Bias Correction, Altimetric Correction for one or more records Sea State Bias Correction, Altimetric Correction for one or more records Sea State Bias Correction, Altimetric Correction for one or more records Sea State Bias Correction, Altimetric Correction for one or more records Sea State Bias Correction, Altimetric Correction for one or more records Sea State Bias Correction, Altimetric Correction for one or more records Sea State Bias Correction, Altimetric Correction for one or more records Sea State Bias Correction, Altimetric Correction for one or more records Sea State Bias Correction, Altimetric Correction for one or more records Sea State Bias Correction, Altimetric Correction for one or more records Sea State Bias Correction, Altimetric Correction for one or more records Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Corre	CS_OFFL_SIR_FDM_2_20180930T113527_20180930T114942_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_2_20180930T122452_20180930T13226_C001 Sea State Bias Correction, 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, Altimetric Wind Speed Sea State Bias Correction, 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, Altimetric Wind Speed and Sea State Bias Correction, 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, 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, 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	CS_OFFL_SIR_FDM_220180930T120700_20180930T122134_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
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Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction from one more records CS_OFFL_SIR_FDM_2_20180930T143505_20180930T151015_C001 CS_OFFL_SIR_FDM_2_20180930T144422_20180930T151015_C001 CS_OFFL_SIR_FDM_2_20180930T152655_20180930T154955_C001 CS_OFFL_SIR_FDM_2_20180930T152655_20180930T154955_C001 CS_OFFL_SIR_FDM_2_20180930T155006_20180930T160235_C001 CS_OFFL_SIR_FDM_2_20180930T155006_20180930T163037_C001 CS_OFFL_SIR_FDM_2_20180930T163345_20180930T16330T_C001 CS_OFFL_SIR_FDM_2_20180930T173345_C001 CS_OFFL_SIR_FDM_2_20180930T1733623_20180930T173415_C001 CS_OFFL_SIR_FDM_2_20180930T173623_20180930T173415_C001 CS_OFFL_SIR_FDM_2_20180930T175516_20180930T17345_C001 CS_OFFL_SIR_FDM_2_20180930T175516_20180930T182715_C001 CS_OFFL_SIR_FDM_2_20180930T175516_20180930T182715_C001 CS_OFFL_SIR_FDM_2_20180930T1900_20180930T192231_C001 CS_OFFL_SIR_FDM_2_20180930T194603_20180930T192231_C001 CS_OFFL_SIR_FDM_2_20180930T194603_20180930T192231_C001 CS_OFFL_SIR_FDM_2_20180930T194603_20180930T204166_C001 CS_OFFL_SIR_FDM_2_20180930T194603_20180930T204166_C001 CS_OFFL_SIR_FDM_2_20180930T194603_20180930T204166_C001 CS_OFFL_SIR_FDM_2_20180930T194603_20180930T204355_C001 CS_OFFL_SIR_FDM_2_20180930T194603_20180930T204355_C001 CS_OFFL_SIR_FDM_2_20180930T194603_20180930T204355_C001 CS_OFFL_SIR_FDM_2_20180930T194603_20180930T204355_C001 CS_OFFL_SIR_FDM_2_20180930T194603_20180930T204355_C001 CS_OFFL_SIR_FDM_2_20180930T204494_20180930T230355_C001 CS_OFFL_SIR_	CS_OFFL_SIR_FDM_220180930T125612_20180930T131226_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
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CS_OFFL_SIR_FDM_2_20180930T202458_20180930T204106_C001 Sea State Bias Correction, Altimetric Wind Speed CS_OFFL_SIR_FDM_2_20180930T211105_20180930T214607_C001 Sea State Bias Correction Sea State Bias Correction 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, Altimetric Wind Speed CS_OFFL_SIR_FDM_2_20180930T224934_20180930T230357_C001 Sea State Bias Correction, 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, Altimetri	CS_OFFL_SIR_FDM_220180930T194603_20180930T200722_C001	·	There is an error with the Sea State Bias Correction for one or more
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Wind Speed Correction, Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_201809301224934_201809301230357_C001 Wind Speed Correction, Altimetric Wind Speed and Sea State Bias	CS_OFFL_SIR_FDM_220180930T211105_20180930T214607_C001	·	
CS_OFFL_SIR_FDM_2_20180930T230838_20180930T232523_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias	CS_OFFL_SIR_FDM_220180930T224934_20180930T230357_C001	-	
	CS_OFFL_SIR_FDM_220180930T230838_20180930T232523_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias

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.

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220180930T155256_20180930T155905_C001	Echo error, Attitude correction missing	The Echo Rx1 Error flag is set, indicating a degraded raw echo. The attitude
CS_OFFL_SIR_FDM_220180930T173318_20180930T173549_C001	Echo error, Attitude correction missing	The Echo Rx1 Error flag is set, indicating a degraded raw echo. The attitude
CS_OFFL_SIR_FDM_220180930T191359_20180930T191424_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220180930T223804_20180930T223834_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:

25

Product	Test Failed	Description
Troudot	Toot I unou	The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220180930T000131_20180930T001601_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220180930T003309_20180930T004516_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_220180930T004958_20180930T010254_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_220180930T021102_20180930T023631_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_220180930T044915_20180930T051306_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_220180930T061435_20180930T061904_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_220180930T084802_20180930T092355_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_220180930T104911_20180930T110237_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_20180930T113527_20180930T114942_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_220180930T120700_20180930T122134_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_220180930T122402_20180930T123258_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_20180930T125612_20180930T131226_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_220180930T143505_20180930T144328_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_220180930T144422_20180930T151015_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_220180930T152655_20180930T154955_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_220180930T162138_20180930T163307_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_220180930T170530_20180930T173145_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_220180930T173623_20180930T174319_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_220180930T175516_20180930T182715_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_220180930T191900_20180930T192231_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_220180930T224934_20180930T230357_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_220180930T230838_20180930T232523_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

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:

22

Number of products with errors.		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_2_20180930T000131_20180930T001601_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_220180930T003309_20180930T004516_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_220180930T004958_20180930T010254_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_220180930T021102_20180930T023631_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_220180930T044915_20180930T051306_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_220180930T061435_20180930T061904_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_220180930T084802_20180930T092355_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_220180930T104911_20180930T110237_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_220180930T113527_20180930T114942_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_20180930T120700_20180930T122134_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_20180930T122402_20180930T123258_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_20180930T125612_20180930T131226_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_20180930T143505_20180930T144328_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_20180930T144422_20180930T151015_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_220180930T152655_20180930T154955_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_220180930T162138_20180930T163307_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_220180930T170530_20180930T173145_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_220180930T173623_20180930T174319_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_220180930T175516_20180930T182715_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_220180930T191900_20180930T192231_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_220180930T224934_20180930T230357_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_220180930T230838_20180930T232523_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:

Product	Test Failed
CS_OFFL_SIR_FDM_220180930T000131_20180930T001601_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220180930T003309_20180930T004516_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220180930T004958_20180930T010254_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220180930T010417_20180930T010628_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220180930T014053_20180930T015440_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220180930T021102_20180930T023631_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220180930T031016_20180930T033333_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220180930T043617_20180930T044415_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220180930T044915_20180930T051306_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220180930T054526_20180930T060318_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220180930T061435_20180930T061904_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220180930T070930_20180930T073247_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220180930T073254_20180930T074417_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220180930T084802_20180930T092355_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220180930T094547_20180930T100840_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220180930T102802_20180930T104218_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220180930T104255_20180930T104429_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220180930T104911_20180930T110237_C001	Ocean Retracking Quality Flag
CS_OFFL_SIR_FDM_220180930T111612_20180930T113321_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. 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.

	1	The Ocean Betweeting Overity Flory is not indicating the OFLORISM
CS_OFFL_SIR_FDM_220180930T113527_20180930T114942_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_220180930T120700_20180930T122134_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_220180930T122402_20180930T123258_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_220180930T125612_20180930T131226_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_220180930T131745_20180930T133033_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_220180930T140452_20180930T140704_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_220180930T143505_20180930T144328_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_220180930T144422_20180930T151015_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_220180930T152655_20180930T154955_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_220180930T155906_20180930T160235_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_220180930T162138_20180930T163307_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_220180930T170530_20180930T173145_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_220180930T173623_20180930T174319_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_220180930T175516_20180930T182715_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_220180930T191900_20180930T192231_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_220180930T194603_20180930T200722_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_220180930T202458_20180930T204106_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_220180930T211105_20180930T214607_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_220180930T220515_20180930T223700_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_220180930T224934_20180930T230357_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_220180930T230838_20180930T232523_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_220180930T234323_20180930T235654_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	140	140	140	0	0
SIR_FDM_2	138	138	138	0	0

7.1 QCC Errors

Number of QCC reports with errors:

0

7.2 QCC Warnings

Number of QCC reports with warnings

0

7.3 Missing QCC Reports

Number of products with missing QCC reports:

0