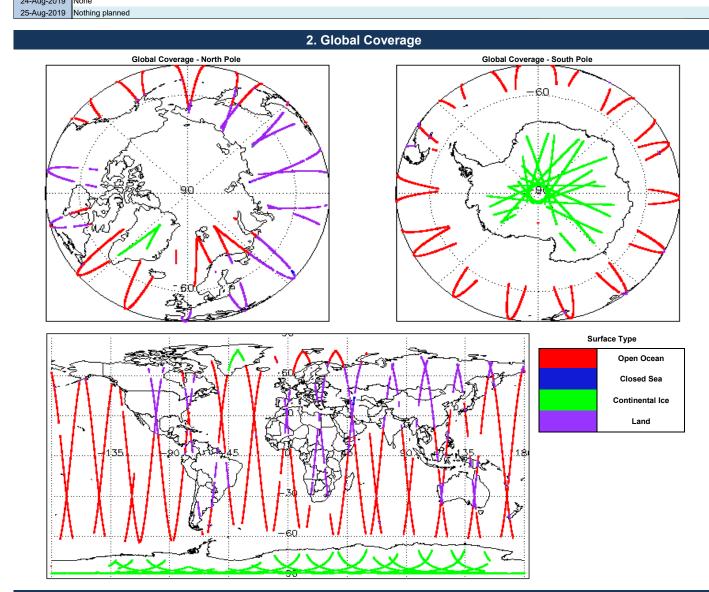


IDEAS+ Daily Report for FDM data:

<u>24/08/2019</u>

Report Production Date:	27-Aug-2019	Check	Status
Report Production Date.	27-Aug-2019	Server check: science-pds.cryosat.esa.int	Nominal
Processor Used:	CryoSat Ice Processor	Server check: calval-pds.cryosat.esa.int	Nominal
Processor used.	Cryosal ice Processor	Product Software Check	Nominal
Data Used:	L1 and L2 Fast Delivery Marine (FDM)	Product Format Check	Nominal
Data Used: Mode and L	Mode and L0 Data	Product Header Analysis	See Section 4.2, 5.2 and 6.2
		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



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:

4.2 L0 Product Header Analysis	SPH in order to identify any income	scies and/or arrays raised by the processing about	
For all products, a series of pre-defined checks are carried out on the MPH and Number of products with errors: 3	SER IN Order to Identify any Inconsisten	icies analor enors raised by the processing chain.	
•			
Product CS_OPER_SIR1SAR_020190824T025609_20190824T025704_0001.HDR	Test Failed	errors detected greater than minimum acceptable threshold.	
CS_OPER_SIR1SAR_0201908241023009_201908241023704_0001.HDR CS_OPER_SIR1SIN_0_20190824T034337_20190824T034502_0001.HDR		errors detected greater than minimum acceptable threshold.	
CS_OPER_SIR2SIN_020190824T200338_20190824T200926_0001.HDR		errors detected greater than minimum acceptable threshold.	
5. Lev 5.1 L1B FDM Product Format Check	el 1B FDM Data Quality	y Check	
Each product, retrieved and unpacked from the science server, is checked to en Number of products with errors: 0	sure it consists of both an XML header	file (.HDR) and a binary product file (.DBL).	
5.2 L1B FDM Product Header Analysis			
For all products, a series of pre-defined checks are carried out on the MPH and Number of products with errors: 5	SPH in order to identify any inconsisten	ncies and/or errors raised by the ground-segment processing chain.	
Product	Test Failed		
CS_OFFL_SIR_FDM_1B_20190824T023705_20190824T023829_C001.DBL		_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).	
CS_OFFL_SIR_FDM_1B_20190824T010026_20190824T010723_C001.DBL		ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).	
CS_OFFL_SIR_FDM_1B_20190824T060128_20190824T060142_C001.DBL	· · · · · · · · · · · · · · · · · · ·	_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).	
CS_OFFL_SIR_FDM_1B_20190824T055353_20190824T060128_C001.DBL CS_OFFL_SIR_FDM_1B_20190824T023829_20190824T023946_C001.DBL		_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV) ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).	
C3_OFFE_SIN_FDM_TD_2019002+1023029_2019002+1023940_C001.DDL			
5.3 L1B FDM Star Tracker Usage Check			
Each product is checked in order to ensure a valid star tracker file has been use	ed in processing.		
Number of products with errors: 2			
Product	Test Failed		
CS_OFFL_SIR_FDM_1B_20190824T023705_20190824T023829_C001		No Star Tracker file used in the processing of this product	
CS_OFFL_SIR_FDM_1B_20190824T055353_20190824T060128_C001	No Star Tracker file used i	in the processing of this product	
5.5 L1B FDM Auxilary Data File Usage Check			
Each product is checked for missing Data Set Descriptors with respect to a pre- Number of products with errors: 0	determined baseline and also to check	the 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 measurement Number of products with errors: 0	nt record. The bit value of this flag indic	ates any problems when set.	
5.7 L1B FDM Measurement Confidence Data Check			
		fler indicates any mobile we use	
CryoSat L1B data includes a measurement confidence flag (field 18) for each me Number of products with errors: 6		and indicates any problems when set.	
	Test Failed	Description	
CS_OFFL_SIR_FDM_1B_20190824T023705_20190824T023829_C001	Attitude correction missing	The attitude has not been corrected	
CS_OFFL_SIR_FDM_1B_20190824T055353_20190824T060128_C001	Attitude correction missing	The attitude has not been corrected	
CS_OFFL_SIR_FDM_1B_20190824T061331_20190824T062802_C001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is se indicating a degraded echo	
CS_OFFL_SIR_FDM_1B_20190824T090815_20190824T091527_C001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is so indicating a degraded echo	
CS_OFFL_SIR_FDM_1B_20190824T104805_20190824T105647_C001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is se indicating a degraded echo	
CS_OFFL_SIR_FDM_1B_20190824T191012_20190824T191559_C001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is se indicating a degraded echo	
	vel 2 FDM Data Quality		
	ver 2 FDIW Data Quality	Check	
6.1 L2 FDM Product Format Check			
Each product, retrieved and unpacked from the science server, is checked to en Number of products with errors: 0	sure it consists of both an XML header	tile (.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 inconsisten	cies and/or errors raised by the ground-segment processing chain.	
Number of products with errors: 5			
Product	Test Failed		

|--|

CS_OFFL_SIR_FDM_1B_20190824T010026_20190824T010723_C001.DBL CS_OFFL_SIR_FDM_1B_20190824T060128_20190824T060142_C001.DBL CS_OFFL_SIR_FDM_1B_20190824T055353_20190824T060128_C001.DBL CS_OFFL_SIR_FDM_1B_20190824T023829_20190824T023946_C001.DBL FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV). FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).

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: 0

6.4 L2 FDM Auxiliary Correction Error Check

Each product is checked to detect auxiliary corrections flagged by the ground-station processing chain as missing or containing errors.

39

Number of products with errors:

Product
CS_OFFL_SIR_FDM_220190823T234628_20190824T001321_C001
CS_OFFL_SIR_FDM_220190824T002929_20190824T005650_C001
CS_OFFL_SIR_FDM_220190824T010026_20190824T010723_C001
CS_OFFL_SIR_FDM_220190824T012008_20190824T015057_C001
CS_OFFL_SIR_FDM_220190824T020835_20190824T021242_C001
CS_OFFL_SIR_FDM_220190824T025846_20190824T033119_C001
CS_OFFL_SIR_FDM_220190824T034913_20190824T040523_C001
CS_OFFL_SIR_FDM_220190824T042319_20190824T042425_C001
CS_OFFL_SIR_FDM_220190824T043504_20190824T045909_C001
CS_OFFL_SIR_FDM_220190824T045955_20190824T051006_C001
CS_OFFL_SIR_FDM_220190824T055353_20190824T060128_C001
CS_OFFL_SIR_FDM_220190824T061331_20190824T062802_C001
CS_OFFL_SIR_FDM_220190824T063243_20190824T064601_C001
CS_OFFL_SIR_FDM_220190824T072314_20190824T074202_C001
CS_OFFL_SIR_FDM_220190824T080235_20190824T081145_C001
CS_OFFL_SIR_FDM_220190824T081149_20190824T081205_C001
CS_OFFL_SIR_FDM_220190824T090416_20190824T090652_C001
CS_OFFL_SIR_FDM_220190824T090815_20190824T091527_C001
CS_OFFL_SIR_FDM_220190824T091650_20190824T091905_C001
CS_OFFL_SIR_FDM_220190824T112219_20190824T114627_C001
CS_OFFL_SIR_FDM_220190824T124825_20190824T124839_C001
CS_OFFL_SIR_FDM_220190824T125017_20190824T125639_C001
CS_OFFL_SIR_FDM_220190824T125730_20190824T132546_C001
CS_OFFL_SIR_FDM_220190824T134247_20190824T141518_C001
CS_OFFL_SIR_FDM_220190824T142702_20190824T142925_C001
CS_OFFL_SIR_FDM_220190824T154528_20190824T155700_C001
CS_OFFL_SIR_FDM_220190824T170050_20190824T170526_C001
CS_OFFL_SIR_FDM_220190824T170536_20190824T173713_C001
CS_OFFL_SIR_FDM_220190824T175715_20190824T182107_C001
CS_OFFL_SIR_FDM_220190824T185604_20190824T185659_C001
CS_OFFL_SIR_FDM_220190824T190104_20190824T190753_C001
CS_OFFL_SIR_FDM_220190824T193606_20190824T194347_C001
CS_OFFL_SIR_FDM_220190824T194452_20190824T194541_C001
CS_OFFL_SIR_FDM_220190824T195200_20190824T200215_C001
CS_OFFL_SIR_FDM_220190824T203507_20190824T205033_C001
CS_OFFL_SIR_FDM_220190824T210839_20190824T211037_C001
CS_OFFL_SIR_FDM_220190824T211159_20190824T211512_C001
CS_OFFL_SIR_FDM_220190824T215916_20190824T222043_C001
CS_OFFL_SIR_FDM_220190824T233847_20190825T000336_C001

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

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: 6		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_220190824T023705_20190824T023829_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220190824T055353_20190824T060128_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220190824T061331_20190824T062802_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220190824T090815_20190824T091527_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220190824T104805_20190824T105647_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220190824T191012_20190824T191559_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo

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:

	27

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220190824T002929_20190824T005650_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_220190824T012008_20190824T015057_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_220190824T025846_20190824T033119_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_220190824T043504_20190824T045909_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_220190824T061331_20190824T062802_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_220190824T063243_20190824T064601_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_220190824T072314_20190824T074202_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_220190824T080235_20190824T081145_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_220190824T090416_20190824T090652_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_220190824T090815_20190824T091527_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_220190824T091650_20190824T091905_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_220190824T112219_20190824T114627_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_220190824T125017_20190824T125639_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_220190824T125730_20190824T132546_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_220190824T134247_20190824T141518_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_220190824T142702_20190824T142925_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_220190824T154528_20190824T155700_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_220190824T170050_20190824T170526_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_220190824T170536_20190824T173713_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_220190824T175715_20190824T182107_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_220190824T185604_20190824T185659_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_220190824T193606_20190824T194347_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_220190824T194452_20190824T194541_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_220190824T195200_20190824T200215_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. The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220190824T203507_20190824T205033_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_220190824T211159_20190824T211512_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_220190824T233847_20190825T000336_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

27

CryoSat L2 data includes a SWH-Squared Averaging Status flag (field 39) and an CFI (field 45) and OCOG (field 51) Backscatter Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

Product	Test Failed	Description
S_OFFL_SIR_FDM_220190824T002929_20190824T005650_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.
S_OFFL_SIR_FDM_220190824T012008_20190824T015057_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.
S_OFFL_SIR_FDM_220190824T025846_20190824T033119_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.
S_OFFL_SIR_FDM_220190824T043504_20190824T045909_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.
S_OFFL_SIR_FDM_220190824T061331_20190824T062802_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.
S_OFFL_SIR_FDM_220190824T063243_20190824T064601_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.
S_OFFL_SIR_FDM_220190824T072314_20190824T074202_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.
S_OFFL_SIR_FDM_220190824T080235_20190824T081145_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.
S_OFFL_SIR_FDM_220190824T090416_20190824T090652_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.
S_OFFL_SIR_FDM_220190824T090815_20190824T091527_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.
S_OFFL_SIR_FDM_220190824T091650_20190824T091905_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.
S_OFFL_SIR_FDM_220190824T112219_20190824T114627_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.
S_OFFL_SIR_FDM_220190824T125017_20190824T125639_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.
S_OFFL_SIR_FDM_220190824T125730_20190824T132546_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.
S_OFFL_SIR_FDM_220190824T134247_20190824T141518_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.
S_OFFL_SIR_FDM_220190824T142702_20190824T142925_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.
S_OFFL_SIR_FDM_220190824T154528_20190824T155700_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.
S_OFFL_SIR_FDM_220190824T170050_20190824T170526_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.
S_OFFL_SIR_FDM_220190824T170536_20190824T173713_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.
S_OFFL_SIR_FDM_220190824T175715_20190824T182107_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.
S_OFFL_SIR_FDM_220190824T185604_20190824T185659_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.
S_OFFL_SIR_FDM_220190824T193606_20190824T194347_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.
S_OFFL_SIR_FDM_220190824T194452_20190824T194541_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.
S_OFFL_SIR_FDM_220190824T195200_20190824T200215_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.
S_OFFL_SIR_FDM_220190824T203507_20190824T205033_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.
S_OFFL_SIR_FDM_220190824T211159_20190824T211512_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.
S_OFFL_SIR_FDM_220190824T233847_20190825T000336_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:
 45

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220190824T002929_20190824T005650_C001		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_220190824T010026_20190824T010723_C001		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_220190824T012008_20190824T015057_C001		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_220190824T025846_20190824T033119_C001		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_220190824T042319_20190824T042425_C001		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_220190824T043504_20190824T045909_C001
CS_OFFL_SIR_FDM_2_20190824T052745_20190824T055337_C001
CS_OFFL_SIR_FDM_220190824T061331_20190824T062802_C001
CS_OFFL_SIR_FDM_2_20190824T063243_20190824T064601_C001
CS OFFL SIR FDM 2 20190824T070821 20190824T072100 C001
CS_OFFL_SIR_FDM_220190824T081149_20190824T081205_C001
CS_OFFL_SIR_FDM_2_20190824T081441_20190824T082833_C001
CS_OFFL_SIR_FDM_2_20190824T090416_20190824T090652_C001
CS_OFFL_SIR_FDM_220190824T090815_20190824T091527_C001
CS_OFFL_SIR_FDM_2_20190824T091650_20190824T091905_C001
CS OFFL SIR FDM 2 20190824T095135 20190824T100723 C001
CS_OFFL_SIR_FDM_2_20190824T112219_20190824T114627_C001
CS_OFFL_SIR_FDM_2_20190824T125017_20190824T125639_C001
CS_OFFL_SIR_FDM_220190824T125730_20190824T132546_C001
CS OFFL SIR FDM 2 20190824T134247 20190824T141518 C001
CS_OFFL_SIR_FDM_2_20190824T142932_20190824T143028_C001
CS_OFFL_SIR_FDM_220190824T152135_20190824T154241_C001
CS_OFFL_SIR_FDM_2_20190824T154528_20190824T155700_C001
CS_OFFL_SIR_FDM_220190824T160632_20190824T161102_C001
CS_OFFL_SIR_FDM_220190824T170050_20190824T170526_C001
CS_OFFL_SIR_FDM_220190824T170536_20190824T173713_C001
CS_OFFL_SIR_FDM_220190824T175715_20190824T182107_C001
CS_OFFL_SIR_FDM_220190824T184612_20190824T185202_C001
CS_OFFL_SIR_FDM_220190824T185604_20190824T185659_C001
CS_OFFL_SIR_FDM_220190824T190104_20190824T190753_C001
CS_OFFL_SIR_FDM_220190824T193606_20190824T194347_C001
CS_OFFL_SIR_FDM_220190824T194452_20190824T194541_C001
CS_OFFL_SIR_FDM_220190824T195200_20190824T200215_C001
CS_OFFL_SIR_FDM_220190824T202612_20190824T203327_C001
CS_OFFL_SIR_FDM_220190824T203507_20190824T205033_C001
CS_OFFL_SIR_FDM_220190824T210839_20190824T211037_C001
CS_OFFL_SIR_FDM_220190824T211159_20190824T211512_C001
CS_OFFL_SIR_FDM_220190824T212031_20190824T212518_C001
CS_OFFL_SIR_FDM_220190824T212758_20190824T214312_C001
CS_OFFL_SIR_FDM_220190824T215916_20190824T222043_C001
CS_OFFL_SIR_FDM_220190824T224910_20190824T232245_C001
CS_OFFL_SIR_FDM_220190824T233847_20190825T000336_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. 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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

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
SIR1LRM_0_	153	153	153	0	0
SIR1SAR_0_	152	115	115	0	0
SIR1SIN_0_	108	108	108	0	0
SIR_FDM_1B	153	152	153	0	0
SIR_FDM_2	152	152	152	0	0

7.1 QCC Errors

Number of QCC reports with errors

7.2 QCC Warnings				
Number of QCC reports with warnings	0			
7.3 Missing QCC Reports				
Number of products with missing QCC reports:	113			