

Report Production Date:

Processor Used:

Data Used:

IDEAS+ Daily Report for FDM data:

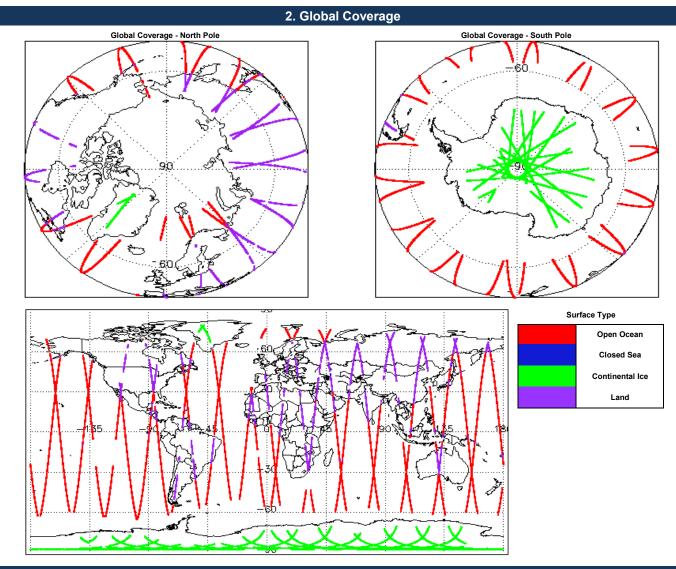
20/07/2018

See Section 5.3

		1. Overview	
1		Check	Status
l	23-Jul-2018		
		Server check: science-pds.cryosat.esa.int	Nominal
	CryoSat Ice Processor	Server check: calval-pds.cryosat.esa.int	Nominal
		Product Software Check	Nominal
L	L1 and L2 Fast Delivery Marine (FDM)	Product Format Check	Nominal
	Mode and L0 Data	Product Header Analysis	See Section 4.2

		Calibration Usage Check	Nominai
		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	iment News		
19-Jul-2018	None		
20-Jul-2018	None		
21-Jul-2018	Nothing planned		

Star Tracker Usage Check



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 & 2
Star Tracker(s) in use:	Star Tracker 1 & 2

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:

Col PRET BRITINE 0. 2018/0721113002, 2018/0720114-021, 2018/0720104-021, 2018/0720104-021, 2018/0720104-021, 2018/0720104-021, 2018/0720104-021, 2018/0720104-021, 2018/0720104-021, 2018/0720104-021, 2018/0720104-021, 2018/0720104-021, 2018/0720104-021, 2018/0720104-021, 2018/0720104-021, 2018/0720104-021, 2018/0720104-021, 2018/0720104-021, 2018/0720104-0218, 2018/072018/0720104-0218, 2018/0720104-0218, 2018/0720104-0	4.2 L0 Product Header Analysis		
Cir DPPR, BR1648 0. 2018/0721113062. 2018/072116421. 2017.01 Percentage of processing over checked parter have network. Cir DPPR, BR16484 0. 2018/0721113062. 2018/072116421. 2017.01 Cir DPPR dual. EPDM Data Current of Cir DCir Operation of Cir DPPR dual. Example of processing over checked parter have network and example of the control. Sci Li Li B FOM Product Format Check. Cir DPPR dual. Ender of the ender of the second of the the NH and EPH in order to dend of and the NH. Income the Cir DCir Operation of the Cir DPPR dual. Example of processing of the product of the the second of the the NH and EPH in order to dend of the the NH and EPH in order to dend of the second of the the second of the the NH and EPH in order to dend the processing of the product of the second of the the second of the the NH and EPH in order to dend the processing of the product of the second of the the seco		SPH in order to identify any inconsistenci	es and/or errors raised by the processing chain.
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S.1.13 F.DM Product Format Check Fail product extension of unposed to reproduce the two serves around in extended in entrop to clear data on the two serves around in extended in entrop to clear data on the two serves around in extended in entrop to clear data on the two serves around in extended in entrop to clear data on the two serves around in extended in entrop to clear data on the two serves around in extended in entrop to clear data on the two serves around in extended in entrop to clear data on the two serves around in extended in entrop to clear data on the two serves around in extended in entrop to clear data on the two serves are data on the two s	5. Lev	el 1B FDM Data Quality	Check
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<form> Shinker of product shares 0 Statist DDM Product Header Analysis 0 Statist DDM Product Hea</form>			
Prior displacible, is unlike of pie-disfinal clocks are carred on on the MPP and SPM in order to like roll wave in the processes the piece sequence by the ground sequence through and the role sequence of the processes of the proceses of the processes of the processes of the processes of the proces		sure it consists of both an XIVIL header th	e (.שטא) and a binary product file (.שטר).
Number of spriced with energy and set finder of the lase term used is processing. Schief EPDM Start Tracker Usage Check. Schief EPDM Start Tracker Usage Check. Name of procedure in even uses used as the lase term used is processing. Name of procedure in even uses used as the lase term used is processing. Name of procedure in even uses used in the processing of the procesing of the p	5.2 L1B FDM Product Header Analysis		
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Each product is deviced in once to mean a valid star backer file has been used in processing. Nameer of product with arrors:	5.3 L1B FDM Star Tracker Usage Check		
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5.4 L1B FDM Calibration Usage Check Set product is checked on noder to orisure the nocessary calibration files have bean used in processing. Number of products with errors: 0 5.5 L1B FDM Auxiliary Data File Usage Check Each product is checked for misming Data Set Describents 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 5.5 L1B FDM Auxiliary Correction Error Check Corposal 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 Massurement Confidence Data Check Corposal L1B data includes a negaturement confidence Bg (field 151) for each measurement record. The bit value of the flag indicates any problems when set. Number of products with errors: 0 5.7 L1B FDM Massurement Confidence Data Check Corposal L1B data includes an endexument on confiser of Bg (field 151) for each measurement record. The bit value of the flag indicates any problems when set. Number of products with errors: 0 Corport, Sing, FDM, 19, 2010072071023751, 2001 Attitude correction instaing The attitude havin to been corrected Corport, Sing, FDM, 19, 2010072071221349, 2010072071221349, 2010072071221349, 2010072071221349, 2010072071221349, 2010072071221349, 2010072071221349, 2010072071221349,			
Each product is checked in order to arrest we necessary calendron files have been used in processing Number of products with errors: 0 5.5.115 FDM Auxiliary Data File Usage Check Each product with errors: 0 5.5.115 FDM Auxiliary Correction Error Check Cyclosal 118 data includers a correction error fing (field 54) for each measurement record. The bit value of this fing indicates any problems when set. Number of products with errors: 0 5.7.115 FDM Measurement Confidence Data Check Cyclosal 118 data includers a correction error fing (field 54) for each measurement record. The bit value of this fing indicates any problems when set. Number of products with errors: 0 5.7.115 FDM Measurement Confidence Data Check Cyclosal 1.18 data includers a measurement record. The bit value of this fing indicates any problems when set. Number of products with errors: 5 Protect terror is		No Star Tracket nie useu in	
Number of products with errors: 0 5.5 LTB FDM Auxilary Data File Usage Check Each products is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxilary Data Files is correct. So LTB FDM Auxilary Dorrection Error Check CryoSel L18 data includes a correction error flag (field 18) for each measurement record. The bit value of this flag indicates any problems when set. Number of products with errors: 0 5.7 LTB FDM Measurement Confidence Data Check CryoSel L18 data includes a measurement confidence lag (field 18) for each measurement record. The bit value of this flag indicates any problems when set. Number of products with errors: 8 Product CryoSel L18 data includes a measurement confidence lag (field 18) for each measurement record. The bit value of this flag indicates any problems when set. Number of products with errors: 8 Product CopeL, SiR, FDM, FB, 2018072070205419, 2018072071020550, 001 A fitude correction missing The attitude has not been corrected 6.6. Cerl SiR, FDM, FB, 2018072071207549, 2018072071207543, 001 A fitude correction missing The attitude has not been corrected 6.6. Cerl SiR, FDM, FB, 2018072071207549, 2018072071207543, 001 A fitude correction missing The attitude has not been corrected 6. Cerl SiR, FDM, FB, 20180720712071201543, 2018072071207543, 10, 001 A futude correction missing The attitude has not been corrected 6. Cerl SiR, FDM, FB, 2018072071207149, 2018072071207433, 001 A futude correction missing The attitude has not been corrected 6. Cerl SiR, FDM, FB, 2018072071207149, 2018072071207433, 001 7. A futude correction missing The attitude has not been corrected 6. Cerl	5.4 L1B FDM Calibration Usage Check		
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Number of products with errors: 5 Product Test Failed Description CS_OFFL_SIR_FDM_18_201807201023514_201807201023753_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_FDM_18_20180720103514_201807201035011_C001 Echo error, TRK echo error Incidating a despade decho CS_OFFL_SIR_FDM_18_201807201190559_201807201190554_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_FDM_18_201807201204310_201807201204313_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_FDM_18_201807201204310_201807201202313_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_FDM_18_2018072012021946_201807201222116_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_FDM_18_2018072012231946_201807201222116_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_FDM_18_2018072012231946_201807201222116_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_FDM_18_2018072012231946_201807201222116_C001 Attitude correction missing The attitude has not been corrected S121EDDM Product Format Check S2 S2 S2 S2 S121EDDM Auxiliary Data File Usage Check	5.7 L1B FDM Measurement Confidence Data Check		
CS_OFFL_SIR_FDM_1B_20180720T023751_20180720T023753_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_FDM_1B_20180720T054150_20180720T0565011_C001 Echo error, TRK echo error Indicating a degrade echo CS_OFFL_SIR_FDM_1B_20180720T190559_20180720T190554_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_FDM_1B_20180720T204310_20180720T222116_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_FDM_1B_20180720T22144_20180720T222116_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_FDM_1B_20180720T22146_20180720T22146_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_FDM_1B_20180720T22146_20180720T22146_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_FDM_1B_20180720T22146_20180720T22146_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_FDM_1B_20180720T22146_20180720T222116_C001 CONTENT CS_OFFL_SIR_FDM_1B_20180720T22146_20180720T222116_C001 CONTENT CS_OFFL_SIR_FDM_1B_20180720T22416_20180720T22416_20180720T22416_20180720T22416_20180720T22416_20180720T22416_20180720T22416_20180720T22416_20180720T22416_20180720T22416_20180720T22416_20180720T24416_20180720T2407416_20180720T2		asurement record. The bit value of this f	lag indicates any problems when set.
CS_OFFL_SIR_FDM_1B_20180720T054150_20180720T055011_C001 Echo error, TRK echo error The tracking a degraded echo CS_OFFL_SIR_FDM_1B_20180720T054150_20180720T190559_20180720T190559_20180720T204313_C001 Attude correction missing The attitude has not been corrected CS_OFFL_SIR_FDM_1B_20180720T204310_20180720T204313_C001 Attude correction missing The attitude has not been corrected CS_OFFL_SIR_FDM_1B_20180720T20231946_20180720T222116_C001 Attude correction missing The attitude has not been corrected CS_OFFL_SIR_FDM_1B_20180720T2021946_20180720T222116_C001 Attude correction missing The attitude has not been corrected CS_OFFL_SIR_FDM_PB_20180720T2021946_20180720T222116_C001 Attude correction missing The attitude has not been corrected CS_OFFL_SIR_FDM_PB_20180720T021945 C Echo error, ISS The attitude has not been corrected CS_OFFL_SIR_FDM_PB_20180720T221946_20180720T222116_C001 Attude correction missing The attitude has not been corrected CS_OFFL_SIR_FDM_PB_20180720T020121946_20180720T222116_C001 Attude correction missing The attitude has not been corrected CS_OFFL_SIR_FDM_PB_20180720T020121946_20180720T2221946_20180720T222116_C001 Attude correction missing The attitude has not been corrected S1212 FDM Product Header Analysis 0 State of products with erors: 0 State of products with error	Product		
CS_UPFSIR_FDW_IB_201807/201094169_201807/20109564_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_FDM_1B_201807/201294310_201807/201294313_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_FDM_1B_201807/201294310_201807/2012924313_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_FDM_1B_201807/20129146_201807/2012221416_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_FDM_1B_201807/2012/201307/201222116_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_FDM_1B_201807/2012/2012/2012022116_C001 Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_FDM_1B_201807/2012/2012/22116_C001 Attitude correction missing The attitude has not been corrected Colspan="2">Colspan="2" Col	CS_OFFL_SIR_FDM_1B_20180720T023514_20180720T023753_C001	Attitude correction missing	
CS_OFFL_SIR_FDM_1B_20180720T204310_20180720T204313_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_FDM_1B_20180720T221346_20180720T221316_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_FDM_1B_20180720T221316_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_FDM_1B_20180720T221316_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_FDM_1B_20180720T221316_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_FDM_1B_20180720T221316_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_FDM_1B_20180720T2012012012012012012012012012012012012012	CS_OFFL_SIR_FDM_1B_20180720T054150_20180720T055011_C001	Echo error, TRK echo error	
CS_OFFL_SIR_FDM_1B_20180720T221946_20180720T222116_C001 Attitude correction missing The attitude has not been corrected 6. Level 2 FDM Data Quality Check 6. Level 2 FDM Data Quality Check 6. Level 2 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 6. Level 2 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: 0 6. Level 2 FDM Auxiliary Data File Usage Check Each product sic 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. Level 2 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: 34	CS_OFFL_SIR_FDM_1B_20180720T190559_20180720T190654_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: 0 6.1 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: 0 6.1 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. Number of products with errors: 34	CS_OFFL_SIR_FDM_1B_20180720T204310_20180720T204313_C001	Attitude correction missing	The attitude has not been corrected
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: 0 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: 0 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. Number of products with errors: 34	CS_OFFL_SIR_FDM_1B_20180720T221946_20180720T222116_C001	Attitude correction missing	The attitude has not been corrected
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 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: 0 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. Number of products with errors: 34	6. Lev	vel 2 FDM Data Quality (Check
Number of products with errors: 0 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: 0 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. Number of products with errors: 34	6.1 L2 FDM Product Format Check		
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: 0 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. Number of products with errors: 34		sure it consists of both an XML header fil	e (.HDR) and a binary product file (.DBL).
Number of products with errors: 0 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. Number of products with errors: 34	6.2 L2 FDM Product Header Analysis		
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. Number of products with errors: 34	For all products, a series of pre-defined checks are carried out on the MPH and s	SPH in order to identify any inconsistenci	es and/or errors raised by the ground-segment processing chain.
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. Number of products with errors: 34	Number of products with errors: 0		
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. Number of products with errors: 34	6.3 L2 FDM Auxiliary Data File Usage 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: 34		letermined baseline and also to check the	e validity of Auxiliary Data Files is correct.
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: 34	6.4 L2 FDM Auxiliary Correction Error Check		
Number of products with errors: 34		tion processing chain as missing or cont	aining errors.
Product Description			
Sea State Bias Correction Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias	Product CS_OFFL_SIR_FDM_220180720T002219_20180720T003217_C001	Test Failed Sea State Bias Correction, Altimetric Wind Speed	
		Wind Speed	Correction for one or more records

CS_OFFL_SIR_FDM_220180720T010833_20180720T014338_C001
CS_OFFL_SIR_FDM_220180720T024702_20180720T030637_C001
CS_OFFL_SIR_FDM_220180720T030640_20180720T030712_C001
CS_OFFL_SIR_FDM_220180720T030815_20180720T032316_C001
CS_OFFL_SIR_FDM_220180720T034025_20180720T035031_C001
CS_OFFL_SIR_FDM_220180720T035651_20180720T041156_C001
CS_OFFL_SIR_FDM_220180720T042553_20180720T044336_C001
CS_OFFL_SIR_FDM_220180720T051807_20180720T054027_C001
CS_OFFL_SIR_FDM_220180720T061932_20180720T064021_C001
CS_OFFL_SIR_FDM_220180720T065631_20180720T072424_C001
CS_OFFL_SIR_FDM_220180720T075519_20180720T082026_C001
CS_OFFL_SIR_FDM_220180720T083617_20180720T084640_C001
CS_OFFL_SIR_FDM_220180720T092207_20180720T092848_C001
CS_OFFL_SIR_FDM_220180720T093204_20180720T093729_C001
CS_OFFL_SIR_FDM_220180720T101634_20180720T104901_C001
CS_OFFL_SIR_FDM_220180720T105149_20180720T105203_C001
CS_OFFL_SIR_FDM_220180720T110928_20180720T111012_C001
CS_OFFL_SIR_FDM_220180720T115453_20180720T123038_C001
CS_OFFL_SIR_FDM_220180720T133437_20180720T141034_C001
CS_OFFL_SIR_FDM_220180720T142237_20180720T144119_C001
CS_OFFL_SIR_FDM_220180720T144215_20180720T145547_C001
CS_OFFL_SIR_FDM_220180720T151334_20180720T152834_C001
CS_OFFL_SIR_FDM_220180720T153036_20180720T153958_C001
CS_OFFL_SIR_FDM_220180720T154310_20180720T155012_C001
CS_OFFL_SIR_FDM_220180720T174534_20180720T181716_C001
CS_OFFL_SIR_FDM_220180720T183302_20180720T185725_C001
CS_OFFL_SIR_FDM_220180720T192929_20180720T193956_C001
CS_OFFL_SIR_FDM_220180720T201206_20180720T203713_C001
CS_OFFL_SIR_FDM_220180720T204313_20180720T204918_C001
CS_OFFL_SIR_FDM_220180720T210303_20180720T211908_C001
CS_OFFL_SIR_FDM_220180720T215059_20180720T215531_C001
CS_OFFL_SIR_FDM_220180720T224125_20180720T231414_C001
CS_OFFL_SIR_FDM_220180720T233139_20180720T234809_C001

Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
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	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	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	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 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	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 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	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	There is an error with the Sea State Bias Correction for one or more records
Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
Sea State Bias Correction	There is an error with the 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: 5

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220180720T023514_20180720T023753_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220180720T054150_20180720T055011_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220180720T190559_20180720T190654_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220180720T204310_20180720T204313_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220180720T221946_20180720T222116_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:
 18

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220180720T010833_20180720T014338_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_220180720T024702_20180720T030637_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_220180720T030640_20180720T030712_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_220180720T030815_20180720T032316_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_220180720T035651_20180720T041156_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.

CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
	CFI Retracked Range Flag CFI Retracked Range Flag

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.

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Product	Test Failed	Description
CS_OFFL_SIR_FDM_220180720T010833_20180720T014338_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_220180720T024702_20180720T030637_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_220180720T030640_20180720T030712_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_220180720T030815_20180720T032316_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_220180720T035651_20180720T041156_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_220180720T051807_20180720T054027_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_220180720T065631_20180720T072424_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_220180720T075519_20180720T082026_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_220180720T093204_20180720T093729_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_220180720T101634_20180720T104901_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_220180720T115453_20180720T123038_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_220180720T133437_20180720T141034_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_220180720T142237_20180720T144119_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_220180720T153036_20180720T153958_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_220180720T174534_20180720T181716_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_220180720T201206_20180720T203713_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_220180720T204313_20180720T204918_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_220180720T224125_20180720T231414_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.

41

Test Failed

Product CS OFFL SIR FDM 2 20180720T002219 20180720T003217 C001 CS OFFL SIR FDM 2 20180720T004156 20180720T004638 C001 CS OFFL SIR FDM 2 20180720T010833 20180720T014338 C001 CS OFFL SIR FDM 2 20180720T020255 20180720T023339 C001 CS OFFL SIR FDM 2 20180720T024702 20180720T030637 C001 CS_OFFL_SIR_FDM_2__20180720T030640_20180720T030712_C001 CS_OFFL_SIR_FDM_2__20180720T030815_20180720T032316_C001 CS_OFFL_SIR_FDM_2__20180720T034025_20180720T035031_C001 CS OFFL SIR FDM 2 20180720T035651 20180720T041156 C001 CS_OFFL_SIR_FDM_2__20180720T042553_20180720T044336_C001 CS_OFFL_SIR_FDM_2__20180720T044354_20180720T044636_C001 CS OFFL SIR FDM 2 20180720T051807 20180720T054027 C001 CS_OFFL_SIR_FDM_2__20180720T054150_20180720T055011_C001 CS_OFFL_SIR_FDM_2__20180720T061932_20180720T064021_C001 CS OFFL SIR FDM 2 20180720T065631 20180720T072424 C001 CS_OFFL_SIR_FDM_2__20180720T075519_20180720T082026_C001 CS OFFL SIR FDM 2 20180720T085218 20180720T090932 C001 CS_OFFL_SIR_FDM_2__20180720T092207_20180720T092848_C001 CS_OFFL_SIR_FDM_2__20180720T093204_20180720T093729_C001 CS_OFFL_SIR_FDM_2__20180720T101634_20180720T104901_C001 CS OFFL SIR FDM 2 20180720T105014 20180720T105033 C001 CS_OFFL_SIR_FDM_2__20180720T105149_20180720T105203_C001 CS OFFL SIR FDM 2 20180720T112135 20180720T113746 C001 CS_OFFL_SIR_FDM_2__20180720T115453_20180720T123038_C001 CS_OFFL_SIR_FDM_2__20180720T125234_20180720T125705_C001 CS OFFL SIR FDM 2 20180720T125750 20180720T131525 C001 CS_OFFL_SIR_FDM_2__20180720T133437_20180720T141034_C001 CS_OFFL_SIR_FDM_2__20180720T142237_20180720T144119_C001 CS_OFFL_SIR_FDM_2__20180720T144215_20180720T145547_C001 CS OFFL SIR FDM 2 20180720T151334 20180720T152834 C001 CS_OFFL_SIR_FDM_2__20180720T153036_20180720T153958_C001 CS OFFL SIR FDM 2 20180720T160151 20180720T161915 C001 CS_OFFL_SIR_FDM_2__20180720T174534_20180720T181716_C001 CS OFFL SIR FDM 2 20180720T192929 20180720T193956 C001 CS OFFL SIR FDM 2 20180720T201206 20180720T203713 C001 CS_OFFL_SIR_FDM_2__20180720T204313_20180720T204918_C001 CS_OFFL_SIR_FDM_2__20180720T210303_20180720T211908_C001 CS_OFFL_SIR_FDM_2__20180720T211942_20180720T213418_C001 CS_OFFL_SIR_FDM_2__20180720T215059_20180720T215531_C001 CS OFFL SIR FDM 2 20180720T224125 20180720T231414 C001 CS_OFFL_SIR_FDM_2__20180720T233139_20180720T234809_C001

Ocean Retracking Quality Flag Description The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. 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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. 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. 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	139	139	139	0	0
SIR_FDM_2	139	139	139	0	0
7.1 QCC Errors					
lumber of QCC reports with errors: 0					
7.2 QCC Warnings					

7.3 Missing QCC Reports

Number of products with missing QCC reports:

0