

IDEAS+ Daily Report for FDM data:

<u>12/07/2019</u>



1. Overview				
Report Production D	ate: 15-Jul-2019	Check	Status	
Report Froduction E	10-001-2013	Server check: science-pds.cryosat.esa.int	Nominal	
Processor Used	CryoSat Ice Processor	Server check: calval-pds.cryosat.esa.int	Nominal	
FIDCESSOI USEU	CryoSat ice Processor	Product Software Check	Nominal	
Data Used:	L1 and L2 Fast Delivery Marine (FDM)	Product Format Check	Nominal	
Dala Useu.	Mode and L0 Data	Product Header Analysis	See Section 4.2, 5.2 and 6.2	
i		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 / Instrument News				
11-Jul-2019 None				
12-Jul-2019 None	2019 None			
13-Jul-2019 Nothing p	13-Jul-2019 Nothing planned			

Clabel C

2. Global Co	overage
Global Coverage - North Pole	Global Coverage - South Pole
	Surface Type Open Ocean Closed Sea Continental Ice Land

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				
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: 2				
Product	Test Failed	detected greater than minimum acceptable threshold		
CS_OPER_SIR1SAR_020190712T055920_20190712T055936_0001.HDR		detected greater than minimum acceptable threshold.		
CS_OPER_SIR1SIN_020190712T201451_20190712T202116_0001.HDR	Percentage of processing errors	detected greater than minimum acceptable threshold.		
5. Level	1B FDM Data Quality Ch	neck		
5.1 L1B FDM Product Format Check				
Each product, retrieved and unpacked from the science server, is checked to ensure	e it consists of both an XML header file (.F	IDR) and a binary product file (.DBL).		
Number of products with errors: 0	X			
5.2 L1B FDM Product Header Analysis				
For all products, a series of pre-defined checks are carried out on the MPH and SPH	I in order to identify any inconsistencies a	nd/or errors raised by the ground-segment processing chain.		
Number of products with errors: 8				
Product	Test Failed			
CS_OFFL_SIR_FDM_1B_20190712T041928_20190712T042044_C001.DBL		PRE) used instead of the DORIS Navigator Orbit (DOR_NAV).		
CS_OFFL_SIR_FDM_1B_20190712T073447_20190712T074226_C001.DBL		PRE) used instead of the DORIS Navigator Orbit (DOR_NAV).		
CS_OFFL_SIR_FDM_1B_20190712T024305_20190712T024849_C001.DBL	· · · · ·	PRE) used instead of the DORIS Navigator Orbit (DOR_NAV).		
CS_OFFL_SIR_FDM_1B_20190712T010622_20190712T010703_C001.DBL		PRE) used instead of the DORIS Navigator Orbit (DOR_NAV).		
CS_OFFL_SIR_FDM_1B_20190712T042044_20190712T042247_C001.DBL		PRE) used instead of the DORIS Navigator Orbit (DOR_NAV).		
CS_OFFL_SIR_FDM_1B_20190712T010703_20190712T010703_C001.DBL				
CS_OFFL_SIR_FDM_1B_20190712T024040_20190712T024305_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).		
CS_OFFL_SIR_FDM_1B_20190712T074226_20190712T074344_C001.DBL		PRE) used instead of the DORIS Navigator Orbit (DOR_NAV).		
00_011 E_01(_1 DM_1D_201301121014220_201301121014044_0001.DDE				
5.3 L1B FDM Star Tracker Usage Check				
ele El El Elli ella ll'adici ecage ellecit				
	processing			
Each product is checked in order to ensure a valid star tracker file has been used in	processing.			
Each product is checked in order to ensure a valid star tracker file has been used in Number of products with errors: 5				
Each product is checked in order to ensure a valid star tracker file has been used in Number of products with errors: 5 Product	Test Failed			
Each product is checked in order to ensure a valid star tracker file has been used in Number of products with errors: 5 Product CS_OFFL_SIR_FDM_1B_20190712T010622_20190712T010703_C001	Test Failed No Star Tracker file used in the p			
Each product is checked in order to ensure a valid star tracker file has been used in Number of products with errors: 5 Product CS_OFFL_SIR_FDM_1B_20190712T010622_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T010703_20190712T010703_C001	Test Failed No Star Tracker file used in the p No Star Tracker file used in the p	processing of this product		
Product 5 Product 5 Product CS_OFFL_SIR_FDM_1B_20190712T010622_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T010703_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T010703_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T010703_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T024040_20190712T024305_C001	Test Failed No Star Tracker file used in the p No Star Tracker file used in the p No Star Tracker file used in the p	processing of this product		
Frequencies 5 Product 5 Product 5 CS_OFFL_SIR_FDM_1B_20190712T010622_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T010703_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T010703_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T024040_20190712T024305_C001 CS_OFFL_SIR_FDM_1B_20190712T024040_20190712T024305_C001 CS_OFFL_SIR_FDM_1B_20190712T024040_20190712T042044_C001	Test Failed No Star Tracker file used in the p No Star Tracker file used in the p No Star Tracker file used in the p No Star Tracker file used in the p	processing of this product processing of this product processing of this product		
Each product is checked in order to ensure a valid star tracker file has been used in Number of products with errors: 5 Product CS_OFFL_SIR_FDM_1B_20190712T010622_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T010703_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T010703_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T012024040_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T024040_20190712T024305_C001	Test Failed No Star Tracker file used in the p No Star Tracker file used in the p No Star Tracker file used in the p	processing of this product processing of this product processing of this product		
Frequencies 5 Product 5 Product 5 CS_OFFL_SIR_FDM_1B_20190712T010622_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T010703_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T010703_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T024040_20190712T024305_C001 CS_OFFL_SIR_FDM_1B_20190712T024040_20190712T024305_C001 CS_OFFL_SIR_FDM_1B_20190712T024040_20190712T042044_C001	Test Failed No Star Tracker file used in the p No Star Tracker file used in the p No Star Tracker file used in the p No Star Tracker file used in the p	processing of this product processing of this product processing of this product		
Each product is checked in order to ensure a valid star tracker file has been used in Number of products with errors: 5 Product CS_OFFL_SIR_FDM_1B_20190712T010622_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T010703_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T010703_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T024040_20190712T024305_C001 CS_OFFL_SIR_FDM_1B_20190712T024040_20190712T042044_C001 CS_OFFL_SIR_FDM_1B_20190712T073447_20190712T074226_C001 CS_OFFL_SIR_FDM_1B_20190712T073447_20190712T074226_C001 S.4 L1B FDM Calibration Usage Check S.4 L1B FDM Calibration Usage Check	Test Failed No Star Tracker file used in the p No Star Tracker file used in the p No Star Tracker file used in the p No Star Tracker file used in the p	processing of this product processing of this product processing of this product		
Each product is checked in order to ensure a valid star tracker file has been used in Number of products with errors: 5 Product CS_OFFL_SIR_FDM_1B_20190712T010622_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T010703_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T024040_20190712T024305_C001 CS_OFFL_SIR_FDM_1B_20190712T024040_20190712T042044_C001 CS_OFFL_SIR_FDM_1B_20190712T073447_20190712T074226_C001 CS_OFFL_SIR_FDM_1B_20190712T073447_20190712T074226_C001 CS_OFFL_SIR_FDM_1B_20190712T073447_20190712T074226_C001	Test Failed No Star Tracker file used in the p No Star Tracker file used in the p No Star Tracker file used in the p No Star Tracker file used in the p	processing of this product processing of this product processing of this product		
Each product is checked in order to ensure a valid star tracker file has been used in Number of products with errors: 5 Product CS_OFFL_SIR_FDM_1B_20190712T010622_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T010703_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T010703_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T024040_20190712T024305_C001 CS_OFFL_SIR_FDM_1B_20190712T024040_20190712T042044_C001 CS_OFFL_SIR_FDM_1B_20190712T073447_20190712T074226_C001 CS_OFFL_SIR_FDM_1B_20190712T073447_20190712T074226_C001 S.4 L1B FDM Calibration Usage Check S.4 L1B FDM Calibration Usage Check	Test Failed No Star Tracker file used in the p No Star Tracker file used in the p No Star Tracker file used in the p No Star Tracker file used in the p	processing of this product processing of this product processing of this product		
Each product is checked in order to ensure a valid star tracker file has been used in Number of products with errors: 5 Product CS_OFFL_SIR_FDM_1B_20190712T010622_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T010703_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T024040_20190712T024305_C001 CS_OFFL_SIR_FDM_1B_20190712T024040_20190712T042044_C001 CS_OFFL_SIR_FDM_1B_20190712T073447_20190712T074226_C001 CS_OFFL_SIR_FDM_1B_20190712T073447_20190712T074226_C001 CS_OFFL_SIR_FDM_1B_20190712T073447_20190712T074226_C001	Test Failed No Star Tracker file used in the p No Star Tracker file used in the p No Star Tracker file used in the p No Star Tracker file used in the p	processing of this product processing of this product processing of this product		
Each product is checked in order to ensure a valid star tracker file has been used in Number of products with errors: 5 Product CS_OFFL_SIR_FDM_1B_20190712T010622_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T010703_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T010703_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T010703_20190712T024305_C001 CS_OFFL_SIR_FDM_1B_20190712T041928_20190712T042044_C001 CS_OFFL_SIR_FDM_1B_20190712T073447_20190712T074226_C001 S.4 L1B FDM Calibration Usage Check Each product is checked in order to ensure the necessary calibration files have been Number of products with errors: 0	Test Failed No Star Tracker file used in the p	processing of this product processing of this product processing of this product processing of this product		
Each product is checked in order to ensure a valid star tracker file has been used in Number of products with errors: 5 Product CS_OFFL_SIR_FDM_1B_20190712T010622_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T010703_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T010703_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T0120404_020190712T024305_C001 CS_OFFL_SIR_FDM_1B_20190712T041928_20190712T042044_C001 CS_OFFL_SIR_FDM_1B_20190712T073447_20190712T074226_C001 S.4 L1B FDM Calibration Usage Check Each product is checked in order to ensure the necessary calibration files have been 0 S.5 L1B FDM Auxilary Data File Usage Check 0	Test Failed No Star Tracker file used in the p	processing of this product processing of this product processing of this product processing of this product		
Each product is checked in order to ensure a valid star tracker file has been used in Number of products with errors: 5 Product	Test Failed No Star Tracker file used in the p	processing of this product processing of this product processing of this product processing of this product		
Each product is checked in order to ensure a valid star tracker file has been used in Number of products with errors: 5 Product CS_OFFL_SIR_FDM_1B_20190712T010622_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T010703_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T024040_20190712T024305_C001 CS_OFFL_SIR_FDM_1B_20190712T024040_20190712T042044_C001 CS_OFFL_SIR_FDM_1B_20190712T073447_20190712T074226_C001 CS_OFFL_SIR_FDM_1B_20190712T073447_20190712T074226_C001 5.4 L1B FDM Calibration Usage Check Each product is checked in order to ensure the necessary calibration files have been 0 S.5 L1B FDM Auxilary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a pre-dete Number of products with errors: 0 5.6 L1B FDM Auxiliary Correction Error Check 0	Test Failed No Star Tracker file used in the p nused in processing. rmined baseline and also to check the val	idity of Auxiliary Data Files is correct.		
Each product is checked in order to ensure a valid star tracker file has been used in Number of products with errors: 5 Product CS_OFFL_SIR_FDM_1B_20190712T010622_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T010703_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T024040_20190712T024305_C001 CS_OFFL_SIR_FDM_1B_20190712T024040_20190712T042044_C001 CS_OFFL_SIR_FDM_1B_20190712T073447_20190712T074226_C001 CS_OFFL_SIR_FDM_1B_20190712T073447_20190712T074226_C001 5.4 L1B FDM Calibration Usage Check Each product is checked in order to ensure the necessary calibration files have been Number of products with errors: 0 5.5 L1B FDM Auxilary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a pre-dete Number of products with errors: 0 5.6 L1B FDM Auxiliary Correction Error Check CryoSat L1B data includes a correction error flag (field 54) for each measurement respect to a pre-detered for missing parts of products with errors: 0	Test Failed No Star Tracker file used in the p nused in processing. rmined baseline and also to check the val	idity of Auxiliary Data Files is correct.		
Each product is checked in order to ensure a valid star tracker file has been used in Number of products with errors: 5 Product CS_OFFL_SIR_FDM_1B_20190712T010622_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T010703_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T024040_20190712T024305_C001 CS_OFFL_SIR_FDM_1B_20190712T024040_20190712T042044_C001 CS_OFFL_SIR_FDM_1B_20190712T073447_20190712T074226_C001 CS_OFFL_SIR_FDM_1B_20190712T073447_20190712T074226_C001 5.4 L1B FDM Calibration Usage Check Each product is checked in order to ensure the necessary calibration files have been 0 S.5 L1B FDM Auxilary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a pre-dete Number of products with errors: 0 5.6 L1B FDM Auxiliary Correction Error Check 0	Test Failed No Star Tracker file used in the p nused in processing. rmined baseline and also to check the val	idity of Auxiliary Data Files is correct.		
Each product is checked in order to ensure a valid star tracker file has been used in Number of products with errors: 5 Product CS_OFFL_SIR_FDM_1B_20190712T010622_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T010703_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T024040_20190712T024305_C001 CS_OFFL_SIR_FDM_1B_20190712T024040_20190712T042044_C001 CS_OFFL_SIR_FDM_1B_20190712T073447_20190712T074226_C001 CS_OFFL_SIR_FDM_1B_20190712T073447_20190712T074226_C001 5.4 L1B FDM Calibration Usage Check Each product is checked in order to ensure the necessary calibration files have been Number of products with errors: 0 5.5 L1B FDM Auxilary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a pre-dete Number of products with errors: 0 5.6 L1B FDM Auxiliary Correction Error Check CryoSat L1B data includes a correction error flag (field 54) for each measurement respect to a pre-detered for missing parts of products with errors: 0	Test Failed No Star Tracker file used in the p nused in processing. rmined baseline and also to check the val	idity of Auxiliary Data Files is correct.		
Each product is checked in order to ensure a valid star tracker file has been used in Number of products with errors: 5 Product CS_OFFL_SIR_FDM_1B_20190712T010622_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T010703_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T024040_20190712T024305_C001 CS_OFFL_SIR_FDM_1B_20190712T024040_20190712T042044_C001 CS_OFFL_SIR_FDM_1B_20190712T073447_20190712T074226_C001 CS_OFFL_SIR_FDM_1B_20190712T073447_20190712T074226_C001 5.4 L1B FDM Calibration Usage Check Each product is checked in order to ensure the necessary calibration files have been 0 S.5 L1B FDM Auxilary Data File Usage Check 0 Each product is checked for missing Data Set Descriptors with respect to a pre-dete 0 S.6 L1B FDM Auxiliary Correction Error Check 0 CryoSat L1B data includes a correction error flag (field 54) for each measurement re 0	Test Failed No Star Tracker file used in the p nused in processing. rmined baseline and also to check the val cord. The bit value of this flag indicates and point of the	arocessing of this product processing of this product processing of this product processing of this product processing of this product didity of Auxiliary Data Files is correct.		
Each product is checked in order to ensure a valid star tracker file has been used in Number of products with errors: 5 Product CS_OFFL_SIR_FDM_1B_20190712T010622_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T010703_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T010703_20190712T042045_C001 CS_OFFL_SIR_FDM_1B_20190712T041928_20190712T042044_C001 CS_OFFL_SIR_FDM_1B_20190712T073447_20190712T074226_C001 CS_OFFL_SIR_FDM_1B_20190712T073447_20190712T074226_C001 5.4 L1B FDM Calibration Usage Check Each product is checked in order to ensure the necessary calibration files have been 0 S.5 L1B FDM Auxilary Data File Usage Check 0 Each product is checked for missing Data Set Descriptors with respect to a pre-dete Number of products with errors: 0 S.6 L1B FDM Auxiliary Correction Error Check CryoSat L1B data includes a correction error flag (field 54) for each measurement re Number of products with errors: 0 S.7 L1B FDM Measurement Confidence Data Check 5.7 L1B FDM Measurement Confidence Data Check 5.7 L1B FDM Measurement Confidence Data Check	Test Failed No Star Tracker file used in the p nused in processing. rmined baseline and also to check the val cord. The bit value of this flag indicates and point of the	arocessing of this product processing of this product processing of this product processing of this product processing of this product didity of Auxiliary Data Files is correct.		
Each product is checked in order to ensure a valid star tracker file has been used in Number of products with errors: 5 Product CS_OFFL_SIR_FDM_1B_20190712T010622_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T010703_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T010703_20190712T042040_C001 CS_OFFL_SIR_FDM_1B_20190712T041928_20190712T042044_C001 CS_OFFL_SIR_FDM_1B_20190712T073447_20190712T074226_C001 S.4 L1B FDM Calibration Usage Check Each product is checked in order to ensure the necessary calibration files have been Number of products with errors: 0 S.5 L1B FDM Auxilary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a pre-dete Number of products with errors: 0 S.6 L1B FDM Auxiliary Correction Error Check CryoSat L1B data includes a correction error flag (field 54) for each measurement re Number of products with errors: 0 S.7 L1B FDM Measurement Confidence Data Check CryoSat L1B data includes a measurement confidence flag (field 18) for each measurement re Number of products with errors: 0	Test Failed No Star Tracker file used in the p nused in processing. rmined baseline and also to check the val cord. The bit value of this flag indicates and point of the	arocessing of this product processing of this product processing of this product processing of this product processing of this product didity of Auxiliary Data Files is correct.		
Each product is checked in order to ensure a valid star tracker file has been used in Number of products with errors: 5 Product CS_OFFL_SIR_FDM_1B_20190712T010622_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T010703_20190712T010703_C001 CS_OFFL_SIR_FDM_1B_20190712T024040_20190712T024305_C001 CS_OFFL_SIR_FDM_1B_20190712T041928_20190712T042044_C001 CS_OFFL_SIR_FDM_1B_20190712T073447_20190712T074226_C001 CS_OFFL_SIR_FDM_1B_20190712T073447_20190712T074226_C001 S.4 L1B FDM Calibration Usage Check Each product is checked in order to ensure the necessary calibration files have been Number of products with errors: 0 S.5 L1B FDM Auxilary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a pre-dete Number of products with errors: 0 0 S.6 L1B FDM Auxiliary Correction Error Check CryoSat L1B data includes a correction error flag (field 54) for each measurement re Number of products with errors: 0 S.7 L1B FDM Measurement Confidence Data Check CryoSat L1B data includes a measurement confidence flag (field 18) for each measurement 7 Product 7 Product 7	Test Failed No Star Tracker file used in the p No Star Tracker file used in the p <td>And the set of the set</td>	And the set of the set		

CS_OFFL_SIR_FDM_1B_20190712T010622_20190712T010703_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20190712T010703_20190712T010703_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20190712T024040_20190712T024305_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20190712T041928_20190712T042044_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20190712T073447_20190712T074226_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20190712T143256_20190712T150830_C001	Block degraded, Echo error, TRK echo error	Data block degraded and not processed
CS_OFFL_SIR_FDM_1B_20190712T222944_20190712T223755_C001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo

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).

0

Number of products with errors:

6.2 L2 FDM Product Header Analysis

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

 Number of products with errors:
 8

Product	Test Failed
CS_OFFL_SIR_FDM_220190712T041928_20190712T042044_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220190712T073447_20190712T074226_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220190712T024305_20190712T024849_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220190712T010622_20190712T010703_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220190712T042044_20190712T042247_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220190712T010703_20190712T010703_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220190712T024040_20190712T024305_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220190712T074226_20190712T074344_C001.DBL	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

Number of products with errors:

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

44

Product	Test Failed	Description
CS OFFL SIR FDM 2 20190712T003208 20190712T005612 C001	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
CS_OFFL_SIR_FDM_220190712T010622_20190712T010703_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_220190712T012857_20190712T015543_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190712T021127_20190712T023739_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190712T024305_20190712T024849_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190712T030325_20190712T031839_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190712T032412_20190712T033359_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190712T042627_20190712T042759_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190712T044015_20190712T051334_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190712T053117_20190712T054700_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190712T060526_20190712T060707_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190712T061725_20190712T062850_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190712T063109_20190712T064727_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190712T064737_20190712T065240_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190712T073447_20190712T074226_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190712T075617_20190712T083155_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190712T085046_20190712T090312_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190712T094254_20190712T095412_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190712T095615_20190712T101049_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190712T102741_20190712T103958_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190712T104439_20190712T105734_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190712T113535_20190712T114942_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190712T122719_20190712T123109_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190712T134419_20190712T135523_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190712T143256_20190712T150830_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190712T152435_20190712T153435_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190712T154008_20190712T155754_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190712T160957_20190712T161333_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190712T164310_20190712T164433_C001	Mean Sea Surface height	There is an error with the Mean Sea Surface Height for one or more records
CS_OFFL_SIR_FDM_220190712T170356_20190712T172506_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190712T172735_20190712T173900_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190712T184253_20190712T191840_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records

CS_OFFL_SIR_FDM_220190712T194028_20190712T200324_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190712T202234_20190712T202855_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190712T202858_20190712T203714_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190712T203716_20190712T203910_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190712T204351_20190712T205226_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190712T205229_20190712T205810_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190712T213009_20190712T214445_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190712T220121_20190712T221614_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190712T221815_20190712T222736_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190712T225153_20190712T230708_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190712T231218_20190712T232521_C001	Sea State Bias Correction, Altimetric Wind Speed	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220190712T234110_20190712T235706_C001	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:
 6

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220190712T010622_20190712T010703_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220190712T024040_20190712T024305_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220190712T041928_20190712T042044_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220190712T073447_20190712T074226_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220190712T143256_20190712T150830_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220190712T222944_20190712T223755_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: 31

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220190712T003208_20190712T005612_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_220190712T010622_20190712T010703_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_220190712T012857_20190712T015543_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_220190712T021127_20190712T023739_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_220190712T024305_20190712T024849_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_220190712T053117_20190712T054700_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_220190712T061725_20190712T062850_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_220190712T063109_20190712T064727_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_220190712T064737_20190712T065240_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_220190712T075617_20190712T083155_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_220190712T085046_20190712T090312_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_220190712T094254_20190712T095412_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_220190712T095615_20190712T101049_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_220190712T102741_20190712T103958_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_220190712T104439_20190712T105734_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_220190712T122719_20190712T123109_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_220190712T143256_20190712T150830_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_220190712T152435_20190712T153435_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_220190712T154008_20190712T155754_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_220190712T160957_20190712T161333_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_220190712T172735_20190712T173900_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_220190712T184253_20190712T191840_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_220190712T194028_20190712T200324_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_20190712T202858_20190712T203714_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_220190712T203716_20190712T203910_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_20190712T204351_20190712T205226_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_220190712T205229_20190712T205810_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_220190712T213009_20190712T214445_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_220190712T220121_20190712T221614_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_220190712T221815_20190712T222736_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_220190712T225153_20190712T230708_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

31

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
CS_OFFL_SIR_FDM_220190712T003208_20190712T005612_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_220190712T010622_20190712T010703_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_220190712T012857_20190712T015543_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_220190712T021127_20190712T023739_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_220190712T024305_20190712T024849_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_220190712T053117_20190712T054700_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_220190712T061725_20190712T062850_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_220190712T063109_20190712T064727_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_220190712T064737_20190712T065240_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_220190712T075617_20190712T083155_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_220190712T085046_20190712T090312_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_220190712T094254_20190712T095412_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_220190712T095615_20190712T101049_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_220190712T102741_20190712T103958_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_220190712T104439_20190712T105734_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_220190712T122719_20190712T123109_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_220190712T143256_20190712T150830_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_220190712T152435_20190712T153435_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_220190712T154008_20190712T155754_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_220190712T160957_20190712T161333_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_220190712T172735_20190712T173900_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_220190712T184253_20190712T191840_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_220190712T194028_20190712T200324_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_220190712T202858_20190712T203714_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_220190712T203716_20190712T203910_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_220190712T204351_20190712T205226_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_220190712T205229_20190712T205810_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_220190712T213009_20190712T214445_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_220190712T220121_20190712T221614_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_220190712T221815_20190712T222736_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_220190712T225153_20190712T230708_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:
 43

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220190712T003208_20190712T005612_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_220190712T010622_20190712T010703_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_220190712T012857_20190712T015543_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_220190712T021127_20190712T023739_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_220190712T024305_20190712T024849_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_220190712T030325_20190712T031839_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_220190712T035910_20190712T040549_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_220190712T042627_20190712T042759_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_220190712T044015_20190712T051334_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_220190712T053117_20190712T054700_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_220190712T060526_20190712T060707_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_220190712T061725_20190712T062850_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_220190712T063109_20190712T064727_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_220190712T064737_20190712T065240_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_220190712T070954_20190712T072910_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_220190712T074226_20190712T074344_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_220190712T075617_20190712T083155_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_220190712T085046_20190712T090312_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_220190712T094254_20190712T095412_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_220190712T095615_20190712T101049_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_220190712T102741_20190712T103958_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_220190712T104439_20190712T105734_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_220190712T120536_20190712T122715_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_220190712T122719_20190712T123109_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_220190712T130447_20190712T132838_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_220190712T134419_20190712T135523_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_220190712T143256_20190712T150830_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_220190712T152435_20190712T153435_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_220190712T154008_20190712T155754_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_220190712T160957_20190712T161333_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_220190712T170356_20190712T172506_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_220190712T172735_20190712T173900_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_220190712T180852_20190712T182538_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_220190712T184253_20190712T191840_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_220190712T194028_20190712T200324_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_220190712T202858_20190712T203714_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_220190712T203716_20190712T203910_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_220190712T204351_20190712T205226_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_220190712T205229_20190712T205810_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_220190712T213009_20190712T214445_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_220190712T220121_20190712T221614_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_220190712T221815_20190712T222736_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_220190712T225153_20190712T230708_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	133	133	133	0	0
SIR_FDM_2	132	118	118	0	0
7.1 QCC Errors					
Number of QCC reports with er	rors: 0				
7.2 QCC Warnings					
Number of QCC reports with wa	arnings 0				
7.3 Missing QCC Repo	orts				
Number of products with missi	ng QCC reports: 107				