

IDEAS+ Daily Report for FDM data:

<u>04/07/2018</u>

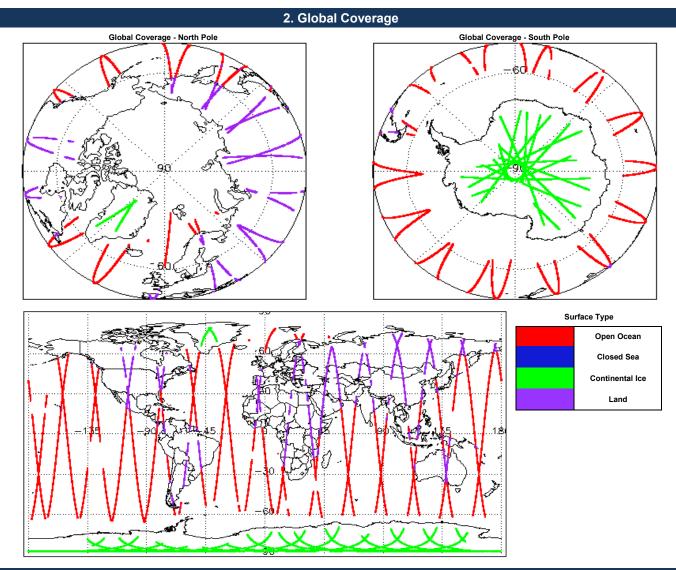
See Section 5.7, 6.5, 6.6, 6.7 and 6.8



Report Production Date:	05-Jul-2018	Check	Status
		Server check: science-pds.cryosat.esa.int	Nominal
Processor Used:	CryoSat Ice Processor	Server check: calval-pds.cryosat.esa.int	Nominal
Processor used.		Product Software Check	Nominal
Data Used:	L1 and L2 Fast Delivery Marine (FDM) Mode and L0 Data	Product Format Check	Nominal
		Product Header Analysis	See Section 4.2
		Star Tracker Usage Check	See Section 5.3
		Calibration Usage Check	Nominal
		Auxiliary Data File Usage Check	Nominal
		Auxiliary Correction Error Check	See Section 6.4

Mission / Instrument News		
03-Jul-2018	SIRAL unavailability on 03-Jun-2018 from 12:07:52 to 14:03:02 due to a planned orbit manoeuvre.	
04-Jul-2018	None	
05-Jul-2018	Nothing planned	

Measurement Confidence Data 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

4. Level 0 Data Quality Check

4.1 L0 Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a binary product file (.DBL).

Number of products with errors:

0

4.2 L0 Product Header Analysis

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

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Number of products with errors:

-	
Product	Test Failed
CS_OPER_SIR1SAR_020180704T163838_20180704T164051_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020180704T093219_20180704T094000_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020180704T043829_20180704T044530_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020180704T125006_20180704T125721_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020180704T143733_20180704T144112_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020180704T211537_20180704T212337_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020180704T120725_20180704T121029_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020180704T233723_20180704T234037_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.

5. Level 1B FDM Data Quality Check

5.1 L1B FDM Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a binary product file (.DBL). Number of products with errors: 0

5.2 L1B FDM Product Header Analysis

For all products, a series of pre-defined checks are carried out on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. Number of products with errors: 0

5.3 L1B FDM Star Tracker Usage Check

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

Number of products with errors:	2

Product	Test Failed
CS_OFFL_SIR_FDM_1B_20180704T205800_20180704T210315_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20180704T223943_20180704T224046_C001	No Star Tracker file used in the processing of this product

5.4 L1B FDM Calibration Usage Check

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

0

3

Number of products with errors:

5.5 L1B FDM Auxilary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct. Number of products with errors: 0

5.6 L1B FDM Auxiliary Correction Error Check

CryoSat L1B data includes a correction error flag (field 54) for each measurement record. The bit value of this flag indicates any problems when set
Number of products with errors:
0

5.7 L1B FDM Measurement Confidence Data Check

CryoSat L1B data includes a measurement confidence flag (field 18) for each measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20180704T041613_20180704T042937_C001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_FDM_1B_20180704T205800_20180704T210315_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20180704T223943_20180704T224046_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

6.2 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:

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.

37

Number of products with errors:

G. FT, S. R. FDA. 2. 20180701700205. 20180701703205. 2019 See State Bias Connection. Alternois Wind Speed and See State Bias Connectio	Product	Test Failed	Description
US. DTF_SRC_DMLD180070100000_000000 Wind Speed Conclusion for ow or none excepts CB_S_FFL_SRC_DMLD201807074103000_0001 See State Bias There is an error with the Attempts: Wind Speed and See State Bias CB_S_SFL_SRL_DMLD201807074103000_0010 See State Bias There is an error with the Attempts: Wind Speed and See State Bias CB_S_SFL_SRL_DMLD201807074103000_0010 See State Bias There is an error with the Attempts: Wind Speed and See State Bias CB_S_SFL_SRL_DMLD201807074103000_0011 See State Bias There is an error with the Attempts: Wind Speed and See State Bias CB_S_SFL_SRL_DMLD201807074103000_0011 See State Bias There is an error with the Attempts: Wind Speed and See State Bias CB_S_SFL_SRL_DMLD21807074103000_0011 See State Bias There is an error with the Attempts: Wind Speed and See State Bias CB_S_SFL_SRL_DMLD21807074103000_0011 See State Bias There is an error with the Attempts: Wind Speed and See State Bias CB_S_SFL_SRL_DMLD21807074103000_0011 See State Bias There is an error with the Attempts: Wind Speed and See State Bias CB_S_SFL_SRL_DMLD21807074103001_0011 See State Bias There is an error with the Attempts: Wind Speed and See State Bias CB_S_SFL_SRL_DMLD21807074103014_0011 See State Bias There is an error with the Attempts: Wind Speed and See St	CS_OFFL_SIR_FDM_220180704T000305_20180704T002453_C001		records
Month Mind Speed Control Speed	CS_OFFL_SIR_FDM_220180704T012904_20180704T020315_C001	Wind Speed	Correction for one or more records
Control Wind Speed Control Contr Control Contro <t< td=""><td>CS_OFFL_SIR_FDM_220180704T022222_20180704T025346_C001</td><td>Wind Speed</td><td>Correction for one or more records</td></t<>	CS_OFFL_SIR_FDM_220180704T022222_20180704T025346_C001	Wind Speed	Correction for one or more records
 Virtu Speed Gorello, Sin Condex, Jonov and the Alteriab Virtu Speed and Sea State Bas State Bas Correction, Alteriab Virtu Speed and Sea State Bas Correction Virtu Speed And Sea State Bas Correction	CS_OFFL_SIR_FDM_220180704T030623_20180704T032058_C001		
CPU_DFT_SRT_FDR201607AT104082_20160704T04287 Wind Speed Concellin for one more seconds CS_OFFL_SRT_FDR201607AT104535_20160704T04287 Stable Bias Controlino, Allmetric Vind Speed Concellin for one more seconds CS_OFFL_SRT_FDR20160704T05552_00160704T05552_001 Stable Bias Controlino, Allmetric Vind Speed There is an error with the Allmetric Vind Speed and Sea State Bias CS_OFFL_SRT_FDR_2_01160704T05552_00160704T05552_001 Sea State Bias Controlino, Allmetric Vind Speed There is an error with the Allmetric Vind Speed and Sea State Bias CS_OFFL_SRT_FDR_2_01160704T055542_01160714T05559_001 Sea State Bias Controlino, Allmetric Vind Speed There is an error with the Allmetric Vind Speed and Sea State Bias CS_OFFL_SRT_FDR_2_01160704T05542_01160714T05559_001 Sea State Bias Controlino, Allmetric Vind Speed There is an error with the Allmetric Vind Speed and Sea State Bias CS_OFFL_SRT_FDR_2_01160704T010542_00160704T05621_001 Sea State Bias Controlino, Allmetric Vind Speed Controlin for one or more records CS_OFFL_SRT_FDR_2_01160704T04542_0160704T04542_0160704T04542_0160704T04543_001 Sea State Bias Controlino, Allmetric Vind Speed There is an error with the Allmetric Vind Speed and Sea State Bias CS_OFFL_SRT_FDR_2_0160704T16422_0160704T04542_0160704T05454_001 Sea State Bias Controlino, Allmetric Vind Speed There is an error with the Allmetric Vind Speed and Sea State Bias CS_OFFL	CS_OFFL_SIR_FDM_220180704T032539_20180704T034253_C001		
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CS_OFFL_SIR_FOM_2_018074102332_0180741023143_0001 Wind Speed Correction from or more records CS_OFFL_SIR_FOM_2_018074102324_0180741023243_0001 Sea State Bias Correction, Attimetic Wind Speed and Sea State Bias Correction	CS_OFFL_SIR_FDM_220180704T041613_20180704T042937_C001		
Des. DerE, Dir C, Dir V, Z., 201807441 00138, 2018074410542, 20100 Wind Speed Correction frome or more encodes CS, OFFL, SIR, FDM, 2, 20180744105443, 201807441058022, C001 Sea State Bias Correction, Atlimetic There is an error with the Atlimetic Wind Speed and Sea State Bias CS, OFFL, SIR, FDM, 2, 2018077441060219, C001 Sea State Bias Correction, Atlimetic There is an error with the Atlimetic Wind Speed There is an error with the Atlimetic Wind Speed and Sea State Bias CS, OFFL, SIR, FDM, 2, 2018077441060219, C001 Sea State Bias Correction, Atlimetic There is an error with the Atlimetic Wind Speed and Sea State Bias CS, OFFL, SIR, FDM, 2, 201807744107462, 201807744107443, C001 Sea State Bias Correction, Atlimetic There is an error with the Atlimetic Wind Speed There is an error with the Atlimetic Wind Speed and Sea State Bias CS, OFFL, SIR, FDM, 2, 20180774107482, 20180774107483, C001 Sea State Bias Correction, Atlimetic There is an error with the Atlimetic Wind Speed and Sea State Bias CS, OFFL, SIR, FDM, 2, 20180774107482, 20180774112420, 20180774112420, 20180774112410, 20180774112420, 20180774112410, 20180774112410, 20180774112410, 2018074112410, 2018074112410, 2018074112410, 2018074112410, 2018074112410, 20180774112410, 20180774112480, 20180774112480, 20180774112480, 20180774112480, 20180774112480, 20180774112480, 20180774112480, 20180774112480, 20180774112480, 20180774113486, 20180774113486, 20180774113480, 20180774113480, 20180774113480, 20180774113480, 20180774113480, 20180774113480, 20180774113480, 20180774113480, 20180774113480, 20180	CS_OFFL_SIR_FDM_220180704T045535_20180704T050559_C001		
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Source_site_FDM_2_2018070410/1542_20180704105439_2001 Sets State Bias Correction, Altimetric mecodes CS_OFFL_SIR_FDM_2_20180704105450_20180704105450_20180704105450_20180704105450_20180704105450_20180704101280_201807041101280_201807041101280_201807041101280_201807041101280_201807041101280_201807041101280_201807041101280_201807041101280_201807041101280_201807041101280_201807041101280_201807041102580_201807041101280_201807041112530_201807041112530_201807041112530_201807041112530_201807041112530_201807041112530_201807041112530_201807041112530_201807041112530_2001 Sets State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_201807041112230_201807041112530_2001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704112380_2001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704112380_2001 Sea State Bias Correction There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704112860_2001 Sea State Bias Correction There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_201807041132618_20180704113640_2001 Sea State Bias Correction There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_201807041143040_2001 Sea State Bias Correction There is an error with the Altimetric Wind Speed and Sea State Bias	CS_OFFL_SIR_FDM_220180704T064000_20180704T070018_C001		Correction for one or more records
US_DFL_SIR_FDM_2_2018074108190_20180741108396_001 Wind Speed Correction for one or more records CS_OFL_SIR_FDM_2_2018074108591_2018074110126_0001 See State Biss Correction, Altimetric Correction for one or more records CS_OFL_SIR_FDM_2_20180704118212_0180704111221_0001 See State Biss Correction, Altimetric Correction for one or more records CS_OFL_SIR_FDM_2_20180704111212_0010704111221_0001 See State Biss Correction, Altimetric Correction for one or more records CS_OFL_SIR_FDM_2_20180704112141_20180704111231_0001 See State Biss Correction, Altimetric Correction for one or more records CS_OFL_SIR_FDM_2_20180704112410_20180704112450_0001 See State Biss Correction, Altimetric Correction for one or more records CS_OFL_SIR_FDM_2_20180704112852_0180704112850_0001 See State Biss Correction, Altimetric Correction for one or more records CS_OFL_SIR_FDM_2_20180704112850_20180704112840_0001 See State Biss Correction, Altimetric Correction for one or more records CS_OFL_SIR_FDM_2_20180704112850_20180704113806_0001 See State Biss Correction, Altimetric Correction for one or more records CS_OFL_SIR_FDM_2_20180704113806_20180704113806_0001 See State Biss Correction, Altimetric Correction for one or more records CS_OFL_SIR_FDM_2_20180704113806_20180704113806_20180704113806_20180704113806_20180704113806_20180704113806 See State Biss Correction, Altimetric	CS_OFFL_SIR_FDM_220180704T071542_20180704T074343_C001	Sea State Bias Correction	records
US_OFL_SIR_FDM_2_201807041099191_0001 Wind Speed Correction for one or more records CS_OFL_SIR_FDM_2_2018070411095921_2018070411122_0001 See State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFL_SIR_FDM_2_20180704111212_01807041112213_C001 See State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFL_SIR_FDM_2_201807041112458_0180704112340_C001 See State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFL_SIR_FDM_2_20180704112382_0180704112340_C001 See State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFL_SIR_FDM_2_20180704112382_01807041132646_C001 See State Bias Correction There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFL_SIR_FDM_2_201807041132618_01807041132646_C001 See State Bias Correction There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFL_SIR_FDM_2_201807041132618_01807041133646_C001 Sea State Bias Correction There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFL_SIR_FDM_2_20180704114152_0180704113002_C001 Sea State Bias Correction There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFL_SIR_FDM_2_20180704114448_01807041164006_C001 Sea State Bias Correction There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFL_SIR_FDM_2_20180704116457_2018070411	CS_OFFL_SIR_FDM_220180704T081540_20180704T083958_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_2_201807/4110354_0201 Wind Speed Correction for one or more records CS_OFFL_SIR_FDM_2_20180704111212_01807041112213_0001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_201807041112426_2018070411123540_0001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_201807041123540_0001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_201807041123540_0001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704112591_201807041132646_0001 Sea State Bias Correction There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_201807041132618_201807041133646_0001 Sea State Bias Correction There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704114452_0180704114450_001 Sea State Bias Correction There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704114452_0180704114450_001 Sea State Bias Correction There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_201807041164502_01807041164502_01807041164502 Sea State Bias Correction There is an error with the Altimetric	CS_OFFL_SIR_FDM_220180704T095153_20180704T095919_C001	Wind Speed	Correction for one or more records
US_0FH_SiR_FDM_2_20180704111212_0180704111225_0201 Wind Speed Correction for one or more records CS_0FFL_SiR_FDM_2_201807041114256_201807041112350_0201 Sea State Bias Correction, Altimetric There is an error with the Attimetric Wind Speed and Sea State Bias CS_0FFL_SiR_FDM_2_20180704112385_201807041123850_0201 Sea State Bias Correction, Altimetric There is an error with the Attimetric Wind Speed and Sea State Bias CS_0FFL_SiR_FDM_2_20180704112385_201807041123846_0201 Sea State Bias Correction, Altimetric There is an error with the Sate State Bias CS_0FFL_SiR_FDM_2_20180704113281_201807041133646_0201 Sea State Bias Correction There is an error with the Sate State Bias Correction for one or more records CS_0FFL_SiR_FDM_2_20180704113281_201807041133646_0201 Sea State Bias Correction There is an error with the Sate State Bias Correction for one or more records CS_0FFL_SiR_FDM_2_20180704114452_01807041144152_0180704114450_001 Sea State Bias Correction There is an error with the Attimetric Wind Speed and Sea State Bias CS_0FFL_SiR_FDM_2_201807041164010_001 Sea State Bias Correction There is an error with the Attimetric Wind Speed and Sea State Bias CS_0FFL_SiR_FDM_2_201807041164052_018 Sea State Bias Correction There is an error with the Attimetric Wind Speed and Sea State Bias CS_0FFL_SiR_FDM_2_201807041164020_0101 Sea State Bias Correction There is an error with the Attimetric Wind Speed an	CS_OFFL_SIR_FDM_220180704T095921_20180704T101126_C001	Wind Speed	Correction for one or more records
US_OFFL_SIR_FDM_2_201807041114256_2018070411142560_0001 Wind Speed Correction for one or more records CS_OFFL_SIR_FDM_2_201807041123825_201807041123840_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_201807041123825_201807041124850_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_201807041125921_201807041130407_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_201807041132618_20180704113346_C001 Sea State Bias Correction CS_OFFL_SIR_FDM_2_201807041143002_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_201807041144152_01807041143002_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_201807041144152_0180704115400_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_2018070411441648_0180704115401_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704116106_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704116523_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_201807041165339_20180704116502_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_201807041165339_20180704116502_C001 </td <td>CS_OFFL_SIR_FDM_220180704T112112_20180704T112213_C001</td> <td>Wind Speed</td> <td>Correction for one or more records</td>	CS_OFFL_SIR_FDM_220180704T112112_20180704T112213_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_2_20180/04112140_20180/04112340_C001 Sea State Bias Correction, Attimetric records CS_OFFL_SIR_FDM_2_20180704T123825_20180704T124850_C001 Sea State Bias Correction, Attimetric There is an error with the Attimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T132618_20180704T133646_C001 Sea State Bias Correction, Attimetric There is an error with the Sea State Bias Correction for one or more records CS_OFFL_SIR_FDM_2_20180704T132618_20180704T133646_C001 Sea State Bias Correction There is an error with the Sea State Bias Correction for one or more records CS_OFFL_SIR_FDM_2_20180704T144152_20180704T144158_C001 Sea State Bias Correction, Attimetric There is an error with the Sea State Bias Correction for one or more records CS_OFFL_SIR_FDM_2_20180704T144948_20180704T151401_C001 Sea State Bias Correction, Attimetric There is an error with the Attimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T144948_20180704T165023_C001 Wea State Bias Correction, Attimetric There is an error with the Attimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T144948_20180704T165023_C001 Sea State Bias Correction, Attimetric There is an error with the Attimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T164539_20180704T165023_C001 Sea State Bias Correction, Attimetric There is an error with the Attimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T1164539_20	CS_OFFL_SIR_FDM_220180704T114256_20180704T115809_C001		Correction for one or more records
US_OFFL_SIR_FDM_2_20180704112852_201807041128420_001 Wind Speed Correction for one or more records CS_OFFL_SIR_FDM_2_201807041125921_201807041130407_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_201807041132618_201807041133646_C001 Sea State Bias Correction There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_201807041144152_201807041144158_C001 Sea State Bias Correction There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_201807041144152_201807041144158_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_201807041164532_7_201807041160106_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_201807041164457_201807041165002_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_201807041164457_201807041165002_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_201807041164457_201807041165002_C001 Sea State Bias Correctio	CS_OFFL_SIR_FDM_220180704T121410_20180704T123540_C001		records
US_OFFL_SIR_FDM_2_20180704T125921_20180704T1304807_0001 Wind Speed Correction for one or more records CS_OFFL_SIR_FDM_2_20180704T132618_20180704T133646_0001 Sea State Bias Correction There is an error with the Sea State Bias Correction for one or more records CS_OFFL_SIR_FDM_2_20180704T14152_20180704T144152_20180704T144158_C001 Sea State Bias Correction, Altimetric There is an error with the Sea State Bias Correction for one or more records CS_OFFL_SIR_FDM_2_20180704T144152_20180704T144158_C001 Sea State Bias Correction, Altimetric There is an error with the Sea State Bias Correction for one or more records CS_OFFL_SIR_FDM_2_20180704T153257_20180704T161016_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T163257_20180704T165003_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T1722626_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T181262_20180704T172626_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T181262_20180704T172626_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T181327_	CS_OFFL_SIR_FDM_220180704T123825_20180704T124850_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_2_20180704T135018_20180704T143004_C001 See State Bias Correction records CS_OFFL_SIR_FDM_2_20180704T144152_20180704T144158_C001 See State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T144152_20180704T144158_C001 See State Bias Correction There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T144948_20180704T151401_C001 Sea State Bias Correction, Altimetric There is an error with the Sea State Bias Correction for one or more records CS_OFFL_SIR_FDM_2_20180704T163257_20180704T160106_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T165033_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T165039_20180704T165002_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T172806_20180704T172806_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T172806_20180704T173048_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T181327_20180704T183647_C001 Sea State B	CS_OFFL_SIR_FDM_220180704T125921_20180704T130407_C001		Correction for one or more records
CS_OFFL_SIR_FDM_2_201807041145345_201807041144152_c001 Sea State Bias Correction records CS_OFFL_SIR_FDM_2_20180704T144152_c0180704T144158_C001 Sea State Bias Correction There is an error with the Sea State Bias Correction for one or more records CS_OFFL_SIR_FDM_2_20180704T14498_20180704T15101_C001 Sea State Bias Correction, Attimetric There is an error with the Sea State Bias Correction for one or more records CS_OFFL_SIR_FDM_2_20180704T153257_20180704T160106_C001 Sea State Bias Correction, Attimetric There is an error with the Attimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T164457_20180704T165003_C001 Sea State Bias Correction There is an error with the Attimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T165039_20180704T165600_C001 Sea State Bias Correction There is an error with the Sea State Bias Correction for one or more records CS_OFFL_SIR_FDM_2_20180704T172626_C001 Sea State Bias Correction, Attimetric There is an error with the Attimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T181327_20180704T172626_C001 Sea State Bias Correction, Attimetric There is an error with the Attimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T181327_20180704T183647_C001 Sea State Bias Correction, Attimetric There is an error with the Attimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T181327_20180704T191505_C001 Sea State Bias Corr	CS_OFFL_SIR_FDM_220180704T132618_20180704T133646_C001	Sea State Bias Correction	records
CS_OFFL_SIR_FDM_2_20180704T144152_20180704T144155_C001 Wind Speed Correction for one or more records CS_OFFL_SIR_FDM_2_20180704T14948_20180704T151401_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T153257_20180704T160106_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T165339_20180704T165002_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T171226_20180704T172626_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T171226_20180704T172626_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T172806_20180704T173048_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T181327_20180704T183647_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T1815153_20180704T191505_C001	CS_OFFL_SIR_FDM_220180704T135345_20180704T143002_C001		records
CS_OFFL_SIR_FDM_2_20180704T153257_20180704T160106_C001 Sea State Bias Correction, Attimetric There is an error with the Attimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T164457_20180704T165023_C001 Sea State Bias Correction, Attimetric There is an error with the Attimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T165033_C001 Sea State Bias Correction, Attimetric There is an error with the Attimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T165033_C001 Sea State Bias Correction, Attimetric There is an error with the Attimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T172626_C001 Sea State Bias Correction, Attimetric There is an error with the Attimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T172806_20180704T173048_C001 Sea State Bias Correction, Attimetric There is an error with the Attimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T181327_20180704T183647_C001 Sea State Bias Correction, Attimetric There is an error with the Attimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T185153_20180704T191505_C001 Sea State Bias Correction, Attimetric There is an error with the Attimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T210734_20180704T210750_C001 Sea State Bias Correction, Attimetric There is an error with the Attimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T214407_2018	CS_OFFL_SIR_FDM_220180704T144152_20180704T144158_C001		Correction for one or more records
CS_OFFL_SIR_FDM_2_20180704T153257_20180704T165023_C001 Wind Speed Correction for one or more records CS_OFFL_SIR_FDM_2_20180704T164457_20180704T165023_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T165339_20180704T165000_C001 Sea State Bias Correction There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T17126_20180704T172626_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T172806_20180704T173048_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T181327_20180704T183647_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T181327_20180704T191505_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T210734_20180704T210750_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T210734_20180704T210750_C001 Sea State Bia	CS_OFFL_SIR_FDM_220180704T144948_20180704T151401_C001		records
CS_OFFL_SIR_FDM_2_20180704T165339_20180704T16500_C001 Wind Speed Correction for one or more records CS_OFFL_SIR_FDM_2_20180704T165339_20180704T165600_C001 Sea State Bias Correction There is an error with the Sea State Bias Correction for one or more records CS_OFFL_SIR_FDM_2_20180704T171226_20180704T172626_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T172806_20180704T173048_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T181327_20180704T183647_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T185153_20180704T191505_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T210734_20180704T210750_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T210734_20180704T210750_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records Sea State Bias Correctio	CS_OFFL_SIR_FDM_220180704T153257_20180704T160106_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_2_20180704T17526_20180704T175626_C001 Sea State Bias Correction records CS_OFFL_SIR_FDM_2_20180704T172806_20180704T172626_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T172806_20180704T173048_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T18306_20180704T183647_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T183647_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T185153_20180704T191505_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T210734_20180704T210750_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T210734_20180704T210750_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T214407_20180704T215423_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records Sea State Bias Correction, Alt	CS_OFFL_SIR_FDM_220180704T164457_20180704T165023_C001		Correction for one or more records
CS_OFFL_SIR_FDM_2_20180704T171226_20180704T172048_C001 Wind Speed Correction for one or more records CS_OFFL_SIR_FDM_2_20180704T172806_20180704T173048_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T181327_20180704T183647_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T185153_20180704T191505_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T210734_20180704T210750_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T210734_20180704T210750_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T214407_20180704T215423_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T214407_20180704T215423_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T214407_20180704T215423_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T214407_20180704T215423_	CS_OFFL_SIR_FDM_220180704T165339_20180704T165600_C001		records
CS_OFFL_SIR_FDM_2_20180704T172806_20180704T173048_C001 Wind Speed Correction for one or more records CS_OFFL_SIR_FDM_2_20180704T181327_20180704T183647_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T185153_20180704T191505_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T210734_20180704T210750_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T210734_20180704T215423_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T214407_20180704T215423_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T21734_20180704T215423_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T221732_20180704T215423_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T221732_20180704T222606_C001 S	CS_OFFL_SIR_FDM_220180704T171226_20180704T172626_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_2_20180704T181327_20180704T191505_C001 Wind Speed Correction for one or more records CS_OFFL_SIR_FDM_2_20180704T185153_20180704T191505_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T210734_20180704T210750_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T210734_20180704T210750_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T214407_20180704T215423_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T214407_20180704T225423_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T221732_20180704T225606_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T221732_20180704T222606_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias	CS_OFFL_SIR_FDM_220180704T172806_20180704T173048_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_2_20180704T185133_20180704T191505_C001 Wind Speed Correction for one or more records CS_OFFL_SIR_FDM_2_20180704T210734_20180704T210750_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_2_20180704T214407_20180704T215423_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_2_20180704T21732_20180704T221732_20180704T2252606_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T221732_20180704T221732_20180704T2227606_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias	CS_OFFL_SIR_FDM_220180704T181327_20180704T183647_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_2_20180704T214407_20180704T215423_C001 Wind Speed Correction for one or more records CS_OFFL_SIR_FDM_2_20180704T214407_20180704T215423_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_2_20180704T21732_20180704T2252606_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2_20180704T221732_20180704T2222606_C001 Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias	CS_OFFL_SIR_FDM_220180704T185153_20180704T191505_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_2_201807041214407_201807041215423_C001 Wind Speed CS_OFFL_SIR_FDM_2_201807041221732_2018070412252606_C001 Sea State Bias Correction, Attimetric Sea State Bias Correctio	CS_OFFL_SIR_FDM_220180704T210734_20180704T210750_C001	Wind Speed	Correction for one or more records
	CS_OFFL_SIR_FDM_220180704T214407_20180704T215423_C001	Wind Speed	Correction for one or more records
	CS_OFFL_SIR_FDM_220180704T221732_20180704T222606_C001		

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:
 3

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220180704T041613_20180704T042937_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220180704T205800_20180704T210315_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220180704T223943_20180704T224046_C001	Attitude correction missing	The attitude has not been corrected

6.6 L2 FDM Range Measurement Check

CryoSat L2 data includes a CFI (field 17) and OCOG (field 22) Range Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set. Number of products with errors: 25

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220180704T012904_20180704T020315_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_220180704T022222_20180704T025346_C001		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_220180704T030623_20180704T032058_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.

	1	The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220180704T032539_20180704T034253_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220180704T040042_20180704T041359_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_220180704T041613_20180704T042937_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_220180704T045535_20180704T050559_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_220180704T050738_20180704T052143_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_220180704T054443_20180704T055022_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_220180704T055549_20180704T055951_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_220180704T060114_20180704T060219_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_220180704T060234_20180704T060823_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_220180704T064000_20180704T070018_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_220180704T081540_20180704T083958_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_220180704T095153_20180704T095919_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_220180704T095921_20180704T101126_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_220180704T114256_20180704T115809_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_220180704T123825_20180704T124850_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_220180704T125921_20180704T130407_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_220180704T153257_20180704T160106_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_220180704T164457_20180704T165023_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_220180704T172806_20180704T173048_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_220180704T181327_20180704T183647_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_220180704T185153_20180704T191505_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_220180704T221732_20180704T222606_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

25

Number of products with errors:

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.

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220180704T012904_20180704T020315_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_220180704T022222_20180704T025346_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_220180704T030623_20180704T032058_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_220180704T032539_20180704T034253_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_220180704T040042_20180704T041359_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_220180704T041613_20180704T042937_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_220180704T045535_20180704T050559_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_220180704T050738_20180704T052143_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_220180704T054443_20180704T055022_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_220180704T055549_20180704T055951_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_220180704T060114_20180704T060219_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_220180704T060234_20180704T060823_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_220180704T064000_20180704T070018_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_220180704T081540_20180704T083958_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_220180704T095153_20180704T095919_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_220180704T095921_20180704T101126_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_220180704T114256_20180704T115809_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_220180704T123825_20180704T124850_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_220180704T125921_20180704T130407_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_220180704T153257_20180704T160106_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_220180704T164457_20180704T165023_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_220180704T172806_20180704T173048_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_220180704T181327_20180704T183647_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_220180704T185153_20180704T191505_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_220180704T221732_20180704T222606_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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220180704T000305_20180704T002453_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_220180704T004043_20180704T005814_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_220180704T012904_20180704T020315_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_220180704T022222_20180704T025346_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_220180704T030623_20180704T032058_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_220180704T032539_20180704T034253_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_220180704T040042_20180704T041359_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_220180704T041613_20180704T042937_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_220180704T045535_20180704T050559_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_220180704T050738_20180704T052143_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_220180704T0554443_20180704T055022_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_220180704T055549_20180704T055951_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_220180704T060114_20180704T060219_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_220180704T060234_20180704T060823_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_220180704T064000_20180704T070018_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_220180704T071542_20180704T074343_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_220180704T081540_20180704T083958_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_220180704T095153_20180704T095919_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_220180704T095921_20180704T101126_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_220180704T103503_20180704T110749_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_220180704T114256_20180704T115809_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_220180704T121410_20180704T123540_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_220180704T123825_20180704T124850_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_220180704T125921_20180704T130407_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_220180704T132618_20180704T133646_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_220180704T135345_20180704T143002_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_220180704T153257_20180704T160106_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_220180704T162247_20180704T163838_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_220180704T164457_20180704T165023_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_220180704T165339_20180704T165600_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_220180704T172806_20180704T173048_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_220180704T180455_20180704T181044_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_220180704T181327_20180704T183647_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_220180704T185153_20180704T191505_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_220180704T194203_20180704T201548_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_220180704T203058_20180704T205758_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_220180704T212337_20180704T213833_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_220180704T221732_20180704T222606_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_220180704T223700_20180704T223802_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_220180704T224629_20180704T224730_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_220180704T230004_20180704T233335_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	136	136	136	0	0
SIR_FDM_2	135	135	135	0	0
7.1 QCC Errors					
Number of QCC reports with error	r s: 0				
7.2 QCC Warnings					
Number of QCC reports with warn	iings 0				
7.3 Missing QCC Report	S				
Number of products with missing	QCC reports: 0				