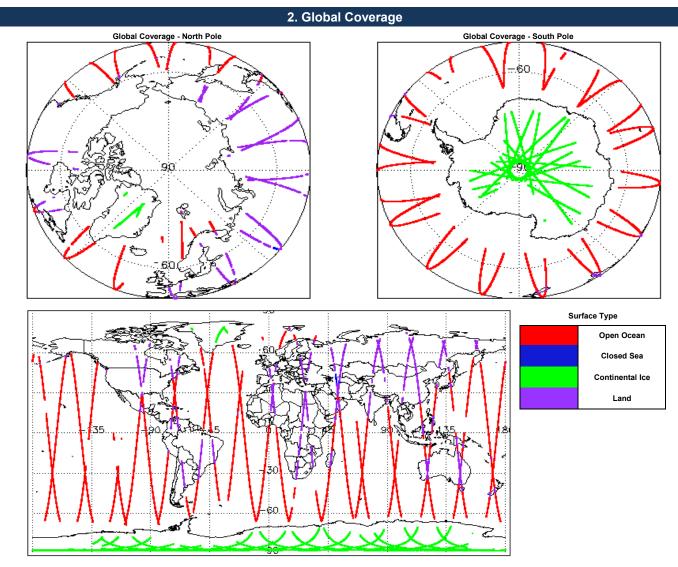


IDEAS+ Daily Report for FDM data:

<u>21/04/2018</u>

next Breduction Deter	22 477 2018	Check	Status
eport Production Date:	23-Apr-2018	Server check: science-pds.cryosat.esa.int	Nominal
Brossess I lood	Cruce et les Pressessor	Server check: calval-pds.cryosat.esa.int	Nominal
Processor Used:	CryoSat Ice Processor	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
		Measurement Confidence Data Check	See Section 5.7, 6.5, 6.6, 6.7 and 6.8

Mission / Instru	Mission / Instrument News		
20-Apr-2018	None		
21-Apr-2018	None		
22-Apr-2018	Nothing planned		



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.

12

Number of products with errors:

Product	Test Failed
CS_OPER_SIR1SAR_020180421T042914_20180421T043944_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020180421T010527_20180421T011611_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020180421T094751_20180421T095508_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020180421T145043_20180421T145137_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020180421T083209_20180421T083353_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020180421T162547_20180421T162903_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020180421T051450_20180421T051852_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020180421T192540_20180421T192701_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020180421T085819_20180421T090450_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020180421T011612_20180421T012305_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020180421T233048_20180421T233139_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020180421T022422_20180421T022756_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.

3

N	lumber	of	produc	cts with	errors:	
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Product	Test Failed
CS_OFFL_SIR_FDM_1B_20180421T010242_20180421T010301_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20180421T023919_20180421T024053_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20180421T052729_20180421T060307_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.

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_20180421T010242_20180421T010301_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20180421T023919_20180421T024053_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20180421T052729_20180421T060307_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 Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.

Number of products with errors:

6.4 L2 FDM Auxiliary Correction Error Check

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

Number of products with errors:

Test Failed Product Description Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS OFFL SIR FDM 2 20180421T003024 20180421T005713 C001 Wind Speed 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 20180421T024834 20180421T024850 C001 Wind Speed 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 20180421T030040 20180421T033447 C001 Wind Speed 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__20180421T034812_20180421T040726_C001 Wind Speed 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__20180421T043944_20180421T050800_C001 Wind Speed 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__20180421T050811_20180421T051314_C001 Wind Speed 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__20180421T060307_20180421T060332_C001 Wind Speed 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 20180421T061707 20180421T061738 C001 Wind Speed Correction for one or more records There is an error with the Sea State Bias Correction for one or more CS_OFFL_SIR_FDM_2__20180421T061955_20180421T063141_C001 Sea State Bias Correction records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2__20180421T063738_20180421T065241_C001 Wind Speed 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__20180421T072502_20180421T073759_C001 Wind Speed 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__20180421T080419_20180421T081423_C001 Wind Speed 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 20180421T081625 20180421T083143 C001 Wind Speed 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__20180421T090450_20180421T091746_C001 Wind Speed 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__20180421T102424_20180421T105127_C001 Wind Speed 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_EDM_2__20180421T120336_20180421T121532_C001 Wind Speed Correction for one or more records There is an error with the Sea State Bias Correction for one or more CS_OFFL_SIR_FDM_2__20180421T122104_20180421T122227_C001 Sea State Bias Correction records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2__20180421T125938_20180421T133011_C001 Wind Speed 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 20180421T134322 20180421T141756 C001 Wind Speed 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__20180421T143114_20180421T143235_C001 Wind Speed 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 20180421T150642 20180421T150924 C001 Correction for one or more records Wind Speed There is an error with the Sea State Bias Correction for one or more CS_OFFL_SIR_FDM_2__20180421T152249_20180421T154502_C001 Sea State Bias Correction records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2__20180421T162903_20180421T163516_C001 Wind Speed 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 20180421T170200 20180421T173436 C001 Wind Speed Correction for one or more records There is an error with the Sea State Bias Correction for one or more CS_OFFL_SIR_FDM_2__20180421T175656_20180421T182333_C001 Sea State Bias Correction records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS OFFL SIR FDM 2 20180421T184159 20180421T185802 C001 Wind Speed Correction for one or more records There is an error with the Sea State Bias Correction for one or more CS OFFL SIR FDM 2 20180421T185805 20180421T185922 C001 Sea State Bias Correction records Sea State Bias Correction, Altimetric There is an error with the Altimetric Wind Speed and Sea State Bias CS_OFFL_SIR_FDM_2__20180421T190403_20180421T191143_C001 Wind Speed Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Sea State Bias Correction, Altimetric CS OFFL SIR FDM 2 20180421T195017 20180421T200512 C001 Wind Speed 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__20180421T202100_20180421T203551_C001 Wind Speed 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 20180421T203730 20180421T205340 C001 Wind Speed 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 20180421T211535 20180421T212512 C001 Wind Speed 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__20180421T213154_20180421T214656_C001 Wind Speed Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias Sea State Bias Correction, Altimetric CS OFFL SIR FDM 2 20180421T220037 20180421T222318 C001 Wind Speed 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__20180421T225906_20180421T232613_C001 Wind Speed 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__20180421T233931_20180422T000527_C001 Wind Speed 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: 3

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220180421T010242_20180421T010301_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220180421T023919_20180421T024053_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220180421T052729_20180421T060307_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. 23

CB_OFFL_SIR_FDM_2_20169421100304_20169421102450_001 CF Retrocked Range Flag The master failing is set by the CF call, for one or more model. CB_OFFL_SIR_FDM_2_20169421102440_0010211024450_001 CF Retrocked Range Flag The master failing is set by the CF call, for one or more model. CB_OFFL_SIR_FDM_2_20169421102440_0010 CF Retrocked Range Flag The master failing is set by the CF call, for one or more model. CB_OFFL_SIR_FDM_2_20169421102440_0011 CFI Retrocked Range Flag The master failing is set by the CF call, for one or more model. CB_OFFL_SIR_FDM_2_20169421102440_0011 CFI Retrocked Range Flag The master failing is set by the CF call, for one or more model. CB_OFFL_SIR_FDM_2_20169421105341_001600_0011 CFI Retrocked Range Flag The master failing is set by the CF call, for one or more model. CB_OFFL_SIR_FDM_2_20169421105591_001600_0011 CFI Retrocked Range Flag The master failing is set by the CF call, for one or more model. CB_OFFL_SIR_FDM_2_20169421105591_0010 CFI Retrocked Range Flag The master failing is set by the CF call, for one or more model. CB_OFFL_SIR_FDM_2_20169421105591_0011 CFI Retrocked Range Flag The master failing is set by the CF call, for one or more model. CB_OFFL_SIR_FDM_2_20169421105591_0011 CFI Retrocked Range Flag The master failing is set by the CF call, for one or more model. CB_OF	Product	Test Failed	Description
C3. DFL_SR_FDM_2_20166421102454_2016421102454_20101 CFI Remarked Range Fag Indicating the values accords. C3. DFL_SR_FDM_2_20166421102454_2016421102344_20001 CFI Remarked Range Fag The matter failing is a byte CFI call, for an or more records. C3. DFL_SR_FDM_2_201664211024512_20164211040784_20001 CFI Remarked Range Fag The matter failing is a byte CFI call, for an or more records. C3. DFL_SR_FDM_2_201664211024512_20164211040784_0001 CFI Remarked Range Fag Indicating the values accord. C3. DFL_SR_FDM_2_201664211024512_2016421105580_0001 CFI Remarked Range Fag Indicating the values accord. C3. DFL_SR_FDM_2_201664211024514_20169241105580_0001 CFI Remarked Range Fag Indicating the values accord. C3. DFL_SR_FDM_2_201664211056314_0001 CFI Remarked Range Fag The matter failing is a byte CFI call. for one or more records. C3. DFL_SR_FDM_2_201664211056314_0001 CFI Remarked Range Fag The matter failing is a byte CFI call. for one or more records. C3. DFL_SR_FDM_2_20166421106541_2016541_00011 CFI Remarked Range Fag The matter failing is a byte CFI call. for one or more records. C3. DFL_SR_FDM_2_20166421106541_2016541_00014 CFI Remarked Range Fag The matter failing is a byte CFI call. for one or more records. C3. DFL_SR_FDM_2_20166421106543_0001 CFI Remarked Range Fag The matter failing is a byte CFI call. for one or more records.	CS_OFFL_SIR_FDM_220180421T003024_20180421T005713_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_DFIL_SIR_FDM_2_20160421703040_20180421703347_C001 CFI Retracked Range Flag Initiality the values stored in fields #13, #14, #15 and #16 should be groups of these records. CS_DFIL_SIR_FDM_2_201604217043412_00160421700400_0001 CFI Retracked Range Flag The master failing is exity the CFI call, for one runner records. CS_DFIL_SIR_FDM_2_20160421704364_20160421700400_0001 CFI Retracked Range Flag The master failing is exity the CFI call, for one runner records. CS_DFIL_SIR_FDM_2_20160421700404_00180421700400_0000 CFI Retracked Range Flag The master failing is exity the CFI call, for one runner records. CS_DFIL_SIR_FDM_2_20160421700404_00180421700400_0000 CFI Retracked Range Flag The master failing is exity the CFI call, for one runner records. CS_DFIL_SIR_FDM_2_201604217065740_01804217005790_0010 CFI Retracked Range Flag The master failing is exity the CFI call, for one runner records. CS_DFIL_SIR_FDM_2_2016042170073750_0011 CFI Retracked Range Flag The master failing is exity the CFI call, for one runner records. CS_DFIL_SIR_FDM_2_201604217007450_0011 CFI Retracked Range Flag The master failing is exity the CFI call, for one runner records. CS_DFIL_SIR_FDM_2_20160421708143_0001 CFI Retracked Range Flag The master failing is exity the CFI call, for one runner records. CS_DFIL_SIR_FDM_2_201604217108143_0001 CFI Retracked Range Flag The maste	CS_OFFL_SIR_FDM_220180421T024834_20180421T024850_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM20180421103412_001001 CFI Retracked Range Flag mickaning hava use stored in fadia f13, s14, s15, and s15 and bid bid grands for times records. CS_OFFL_SIR_FDM201804211050811_00104211051314_C001 CFI Retracked Range Flag The master fial fial is set by the CFI cal, for one or more records, mickaning hava uses stored in fadia f13, s14, s15, and s15 should be grands for times records. CS_OFFL_SIR_FDM201804211050811_0010421105134_C001 CFI Retracked Range Flag The master fial fial is set by the CFI cal, for one or more records, mickaning hava uses stored in field s13, s14, s15, and s16 should be grands for times records. CS_OFFL_SIR_FDM20180421105338_201804211005241_C001 CFI Retracked Range Flag The master fial fiag is set by the CFI cal, for one or more records, mickaning hava uses stored in field s13, s14, s15, and s16 should be grands for times records. CS_OFFL_SIR_FDM2_0180421105142_0001 CFI Retracked Range Flag The master fial fiag is set by the CFI cal, for one or more records, mickaning hava uses stored in field s13, s14, s15, and s16 should be grands for times records. CS_OFFL_SIR_FDM2_0180421108142_0001 CFI Retracked Range Flag The master fial fiag is set by the CFI cal, for one or more records, mickaning hava uses stored in field s13, s14, s15, and s16 should be grands for times records. CS_OFFL_SIR_FDM2_0180421109140_0001 CFI Retracked Range Flag The master fial fial is set by the CFI cal, for one or more records. CS_OFFL_SIR_FDM2_01804211109140_0001 CFI Retracked Range Flag <t< td=""><td>CS_OFFL_SIR_FDM_220180421T030040_20180421T033447_C001</td><td>CFI Retracked Range Flag</td><td>indicating the values stored in fields #13, #14, #15 and #16 should be</td></t<>	CS_OFFL_SIR_FDM_220180421T030040_20180421T033447_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20180421T04384_20180421T050800_C001 CFI Retracked Range Flag indicating the values stored in feats #13, #14, #15 and #16 should be ground for these records. CS_OFFL_SIR_FDM_2_20180421T050811_20180421T051314_C001 CFI Retracked Range Flag The master failing is set by the CFI call, for one or more records. CS_OFFL_SIR_FDM_2_20180421T0503738_20180421T056241_C001 CFI Retracked Range Flag The master failing is set by the CFI call, for one or more records. CS_OFFL_SIR_FDM_2_20180421T072502_20180421T073759_C001 CFI Retracked Range Flag The master failing is set by the CFI call, for one or more records. CS_OFFL_SIR_FDM_2_20180421T072502_20180421T081423_C001 CFI Retracked Range Flag The master failing is set by the CFI call, for one or more records. CS_OFFL_SIR_FDM_2_20180421T081423_C001 CFI Retracked Range Flag The master failing is set by the CFI call, for one or more records. CS_OFFL_SIR_FDM_2_20180421T081423_C001 CFI Retracked Range Flag The master failing is set by the CFI call, for one or more records. CS_OFFL_SIR_FDM_2_20180421T08142_C001 CFI Retracked Range Flag The master failing is set by the CFI call, for one or more records. CS_OFFL_SIR_FDM_2_20180421T06142_C001 CFI Retracked Range Flag The master failing is set by the CFI call, for one or more records. CS_OFFL_SIR_FDM_2_20180421T02424_0180421T105127_C001 CFI Retracked Range Flag	CS_OFFL_SIR_FDM_220180421T034812_20180421T040726_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20180421T050811_20180421T051314_C001 CFI Retracked Range Flag Indicating the values stored in folds #13, #14, #15 and #16 should be ground for these records. CS_OFFL_SIR_FDM_2_20180421T02502_0180421T073759_C001 CFI Retracked Range Flag The master failing is set by the CFI call, for one or more records. CS_OFFL_SIR_FDM_2_20180421T072502_0180421T073759_C001 CFI Retracked Range Flag The master failing is set by the CFI call, for one or more records. CS_OFFL_SIR_FDM_2_20180421T072502_0180421T08143_C001 CFI Retracked Range Flag The master failing is set by the CFI call, for one or more records. CS_OFFL_SIR_FDM_2_20180421T08143_C001 CFI Retracked Range Flag The master failing is set by the CFI call, for one or more records. CS_OFFL_SIR_FDM_2_20180421T08143_C001 CFI Retracked Range Flag The master failing is set by the CFI call, for one or more records. CS_OFFL_SIR_FDM_2_20180421T080450_0180421T08143_C001 CFI Retracked Range Flag The master failing is set by the CFI call, for one or more records. CS_OFFL_SIR_FDM_2_20180421T02442_0180421T105127_C001 CFI Retracked Range Flag The master failing is set by the CFI call, for one or more records. CS_OFFL_SIR_FDM_2_20180421T12638_0110_C001 CFI Retracked Range Flag The master failing is set by the CFI call, for one or more records. CS_OFFL_SIR_FDM_2_20180421T12638_0.001 CFI Retracked Range Flag	CS_OFFL_SIR_FDM_220180421T043944_20180421T050800_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20180421T083738_20180421T08524_C001 CFI Retracked Range Flag Indicating the values store in fields #13, #14, #13 and #16 should be inproved for these records. CS_OFFL_SIR_FDM_2_20180421T072502_00180421T073759_C001 CFI Retracked Range Flag The master field and is as thy the CFI call, for one or more records, including is as thy the CFI call, for one or more records. CS_OFFL_SIR_FDM_2_20180421T080149_20190421T081423_C001 CFI Retracked Range Flag The master field and is as thy the CFI call, for one or more records. CS_OFFL_SIR_FDM_2_20180421T081423_C001 CFI Retracked Range Flag The master field as is sty the CFI call, for one or more records. CS_OFFL_SIR_FDM_2_20180421T090450_20180421T091746_C001 CFI Retracked Range Flag The master field as is sty the CFI call, for one or more records. CS_OFFL_SIR_FDM_2_20180421T1091424_00140421T091746_C001 CFI Retracked Range Flag The master field as is sty the CFI call, for one or more records. CS_OFFL_SIR_FDM_2_20180421T1091424_00140421T109127_C001 CFI Retracked Range Flag The master field as is sty the CFI call, for one or more records. CS_OFFL_SIR_FDM_2_20180421T120332_0180421T12032_C001 CFI Retracked Range Flag The master field as is sty the CFI call, for one or more records. CS_OFFL_SIR_FDM_2_20180421T120332_0180421T120332_C001 CFI Retracked Range Flag The master field as is sty the CFI call, for one or more records. <t< td=""><td>CS_OFFL_SIR_FDM_220180421T050811_20180421T051314_C001</td><td>CFI Retracked Range Flag</td><td>indicating the values stored in fields #13, #14, #15 and #16 should be</td></t<>	CS_OFFL_SIR_FDM_220180421T050811_20180421T051314_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20180421T072592_20180421T073799_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_2_20180421T081423_C001 CFI Retracked Range Flag The master fail flag is set by the CFI call, for one or more records. CS_OFFL_SIR_FDM_2_20180421T081423_C001 CFI Retracked Range Flag The master fail flag is set by the CFI call, for one or more records. CS_OFFL_SIR_FDM_2_20180421T081423_C001 CFI Retracked Range Flag The master fail flag is set by the CFI call, for one or more records. CS_OFFL_SIR_FDM_2_20180421T08142_C0010421T091746_C001 CFI Retracked Range Flag The master fail flag is set by the CFI call, for one or more records. CS_OFFL_SIR_FDM_2_20180421T102424_0180421T105127_C001 CFI Retracked Range Flag The master fail flag is set by the CFI call, for one or more records. CS_OFFL_SIR_FDM_2_20180421T120336_0180421T105127_C001 CFI Retracked Range Flag The master fail flag is set by the CFI call, for one or more records. CS_OFFL_SIR_FDM_2_20180421T120336_0180421T133011_C001 CFI Retracked Range Flag The master fail flag is set by the CFI call, for one or more records. CS_OFFL_SIR_FDM_2_20180421T14314_0180421T143255_C001 CFI Retracked Range Flag The master fail flag is set by the CFI call, for one or more records. CS_OFFL_SIR_FDM_2_20180421T162502_0180421T143255_C001 <t< td=""><td>CS_OFFL_SIR_FDM_220180421T063738_20180421T065241_C001</td><td>CFI Retracked Range Flag</td><td>indicating the values stored in fields #13, #14, #15 and #16 should be</td></t<>	CS_OFFL_SIR_FDM_220180421T063738_20180421T065241_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20180421T08019_20180421T081432_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be gnored for these records. CS_OFFL_SIR_FDM_2_20180421T081625_20180421T08143_C001 CFI Retracked Range Flag The master fail flag is set by the CFI cail, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be gnored for these records. CS_OFFL_SIR_FDM_2_20180421T08142_00180421T1091746_C001 CFI Retracked Range Flag The master fail flag is set by the CFI cail, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be gnored for these records. CS_OFFL_SIR_FDM_2_20180421T105127_C001 CFI Retracked Range Flag The master fail flag is set by the CFI cail, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be gnored for these records. CS_OFFL_SIR_FDM_2_20180421T12036_20180421T121532_C001 CFI Retracked Range Flag The master fail flag is set by the CFI cail, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be gnored for these records. CS_OFFL_SIR_FDM_2_20180421T143314_20180421T143235_C001 CFI Retracked Range Flag The master fail flag is set by the CFI cail, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be gnored for these records. CS_OFFL_SIR_FDM_2_20180421T143314_20180421T143235_C001 CFI Retracked Range Flag The master fail flag is set by the CFI cail, for one or more records, indicating the values stor	CS_OFFL_SIR_FDM_220180421T072502_20180421T073759_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20180421T081625_20180421T08143_C001 CFI Retracked Range Flag Indicating the values stored in fields #13, #14, #15 and #16 should be growed for these records. CS_OFFL_SIR_FDM_2_20180421T090450_20180421T091746_C001 CFI Retracked Range Flag The master fail flag is set by the CFI cal, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be growed for these records. CS_OFFL_SIR_FDM_2_20180421T102424_20180421T10252C_001 CFI Retracked Range Flag The master fail flag is set by the CFI cal, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be growed for these records. CS_OFFL_SIR_FDM_2_20180421T120336_20180421T12532_C001 CFI Retracked Range Flag The master fail flag is set by the CFI cal, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be growed for these records. CS_OFFL_SIR_FDM_2_20180421T12538_20180421T133011_C001 CFI Retracked Range Flag The master fail flag is set by the CFI cal, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be growed for these records. CS_OFFL_SIR_FDM_2_20180421T143114_20180421T143235_C001 CFI Retracked Range Flag The master fail flag is set by the CFI cal, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be growed for these records. CS_OFFL_SIR_FDM_2_20180421T162503_20180421T163516_C001 CFI Retracked Range Flag The master fail flag is set by the CFI cal, for one or more records, indicating the va	CS_OFFL_SIR_FDM_220180421T080419_20180421T081423_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20180421T090450_20180421T091746_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_2_20180421T102424_20180421T105127_C001 CFI Retracked Range Flag The master fail fag 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_20180421T120336_20180421T121532_C001 CFI Retracked Range Flag The master fail fag 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_20180421T125938_0180421T143301_C001 CFI Retracked Range Flag The master fail fag 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_20180421T143315_C001 CFI Retracked Range Flag The master fail fag 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_20180421T162903_0180421T163516_C001 CFI Retracked Range Flag The master fail fag 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_20180421T162903_0180421T163516_C001 CFI Retracked Range Flag The master fail fag is set by the CFI call, for one or more records, indicating the values stor	CS_OFFL_SIR_FDM_220180421T081625_20180421T083143_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20180421T102424_20180421T105127_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be gnored for these records. CS_OFFL_SIR_FDM_2_20180421T120336_20180421T121532_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 gnored for these records. CS_OFFL_SIR_FDM_2_20180421T125938_20180421T130011_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 gnored for these records. CS_OFFL_SIR_FDM_2_20180421T143014_20180421T143235_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 gnored for these records. CS_OFFL_SIR_FDM_2_20180421T162903_20180421T163516_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 gnored for these records. CS_OFFL_SIR_FDM_2_20180421T162903_20180421T163516_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 gnored for these records. CS_OFFL_SIR_FDM_2_20180421T184159_20180421T163502_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	CS_OFFL_SIR_FDM_220180421T090450_20180421T091746_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20180421T120336_20180421T12532_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_2_20180421T125938_20180421T133011_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_20180421T143114_20180421T143235_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_20180421T162903_20180421T163516_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_20180421T170200_20180421T173436_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_20180421T184159_20180421T185802_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_20180421T184159_20180421T19143_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 fie	CS_OFFL_SIR_FDM_220180421T102424_20180421T105127_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20180421T125938_20180421T133011_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_2_20180421T143114_20180421T143235_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_20180421T162903_20180421T163516_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_20180421T170200_20180421T173436_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_20180421T170200_20180421T173436_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_20180421T184159_20180421T185802_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_20180421T190403_20180421T1914143_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	CS_OFFL_SIR_FDM_220180421T120336_20180421T121532_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20180421T143114_20180421T143235_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_2_20180421T162903_20180421T163516_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_20180421T170200_20180421T173436_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_20180421T184159_20180421T185802_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_20180421T190403_20180421T191143_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_20180421T203730_20180421T205340_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_20180421T203730_20180421T205340_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 f	CS_OFFL_SIR_FDM_220180421T125938_20180421T133011_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20180421T162903_20180421T163516_C001CFI Retracked Range Flagindicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.CS_OFFL_SIR_FDM_2_20180421T170200_20180421T173436_C001CFI Retracked Range FlagThe 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_20180421T184159_20180421T185802_C001CFI Retracked Range FlagThe 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_20180421T190403_20180421T191143_C001CFI Retracked Range FlagThe 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_20180421T203730_20180421T191143_C001CFI Retracked Range FlagThe 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_20180421T203730_20180421T205340_C001CFI Retracked Range FlagThe 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_20180421T21535_0180421T21512_C001CFI Retracked Range FlagThe 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_20180421T225906_20180421T232613_C001CFI Retracked Range F	CS_OFFL_SIR_FDM_220180421T143114_20180421T143235_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20180421T170200_20180421T173436_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_2_20180421T184159_20180421T185802_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_20180421T190403_20180421T191143_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_20180421T203730_20180421T205340_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_20180421T21535_20180421T212512_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_20180421T21535_20180421T212512_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_20180421T225906_20180421T232613_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 fie	CS_OFFL_SIR_FDM_220180421T162903_20180421T163516_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20180421T184159_20180421T185802_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_2_20180421T190403_20180421T191143_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_20180421T203730_20180421T205340_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_20180421T21535_20180421T212512_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_20180421T21535_20180421T212512_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_20180421T225906_20180421T232613_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_20180421T225906_20180421T232613_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 fie	CS_OFFL_SIR_FDM_220180421T170200_20180421T173436_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20180421T190403_20180421T191143_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_2_20180421T203730_20180421T205340_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_20180421T21535_20180421T212512_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_20180421T21535_20180421T212512_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_20180421T225906_20180421T232613_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_20180421T233931_20180422T000527_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_20180421T233931_20180422T000527_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 fie	CS_OFFL_SIR_FDM_220180421T184159_20180421T185802_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20180421T203730_20180421T205340_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_2_20180421T21535_20180421T212512_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_20180421T225906_20180421T232613_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_20180421T23906_20180421T232613_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_20180421T233931_20180422T000527_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_20180421T233931_20180422T000527_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	CS_OFFL_SIR_FDM_220180421T190403_20180421T191143_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20180421T21535_20180421T212512_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_2_20180421T225906_20180421T232613_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_20180421T225906_20180421T232613_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_20180421T233931_20180422T000527_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	CS_OFFL_SIR_FDM_220180421T203730_20180421T205340_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_2_20180421T225906_20180421T232613_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_2_20180421T233931_20180422T000527_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	CS_OFFL_SIR_FDM_220180421T211535_20180421T212512_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
CS_OFFL_SIR_FDM_2_20180421T233931_20180422T000527_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be	CS_OFFL_SIR_FDM_220180421T225906_20180421T232613_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
	CS_OFFL_SIR_FDM_220180421T233931_20180422T000527_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be

6.7 L2 FDM SWH and Backscatter Measurement Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220180421T003024_20180421T005713_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_220180421T024834_20180421T024850_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_220180421T030040_20180421T033447_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_220180421T034812_20180421T040726_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_220180421T043944_20180421T050800_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_220180421T050811_20180421T051314_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_220180421T063738_20180421T065241_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_220180421T072502_20180421T073759_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_220180421T080419_20180421T081423_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_220180421T081625_20180421T083143_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_220180421T090450_20180421T091746_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_220180421T102424_20180421T105127_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_220180421T120336_20180421T121532_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_220180421T125938_20180421T133011_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_220180421T143114_20180421T143235_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_220180421T162903_20180421T163516_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_220180421T170200_20180421T173436_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_220180421T184159_20180421T185802_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_220180421T190403_20180421T191143_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_220180421T203730_20180421T205340_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_220180421T211535_20180421T212512_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_220180421T225906_20180421T232613_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_220180421T233931_20180422T000527_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: 44

Number	or producta	with errors.	_

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220180421T000506_20180421T001624_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_220180421T003024_20180421T005713_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_220180421T014417_20180421T015542_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_220180421T024834_20180421T024850_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_220180421T030040_20180421T033447_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_220180421T034812_20180421T040726_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_220180421T043944_20180421T050800_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_220180421T050811_20180421T051314_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_220180421T052729_20180421T060307_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_220180421T061955_20180421T063141_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_220180421T063504_20180421T063735_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_220180421T063738_20180421T065241_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_220180421T071100_20180421T072143_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_220180421T072502_20180421T073759_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_220180421T080419_20180421T081423_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_220180421T081625_20180421T083143_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_220180421T090450_20180421T091746_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_220180421T095508_20180421T101045_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_220180421T102424_20180421T105127_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_220180421T112427_20180421T115014_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_220180421T120336_20180421T121532_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_220180421T122104_20180421T122227_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_220180421T125938_20180421T133011_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_220180421T143114_20180421T143235_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_220180421T144241_20180421T145043_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_220180421T150642_20180421T150924_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_220180421T152249_20180421T154502_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_220180421T154748_20180421T155640_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_220180421T162020_20180421T162547_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_220180421T162903_20180421T163516_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_220180421T170200_20180421T173436_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_220180421T175656_20180421T182333_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_220180421T184159_20180421T185802_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_220180421T185805_20180421T185922_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_220180421T190403_20180421T191143_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_220180421T193234_20180421T194803_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_220180421T195017_20180421T200512_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_220180421T202100_20180421T203551_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_220180421T203730_20180421T205340_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_220180421T211535_20180421T212512_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_220180421T213154_20180421T214656_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_220180421T220037_20180421T222318_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_220180421T225906_20180421T232613_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_220180421T233931_20180422T000527_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	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR1LRM_0_	151	151	151	0	0
SIR1SAR_0_	122	122	122	0	0
SIR1SIN_0_	97	97	97	0	0
SIR2SIN_0_	102	102	102	0	0
SIR_FDM_1B	151	151	151	0	0
SIR_FDM_2	149	149	149	0	0
Number of QCC reports with erro 7.2 QCC Warnings	rs:	0			
Number of QCC reports with war 7.3 Missing QCC Report	-	0			
Number of products with missing	g QCC reports:	0			