



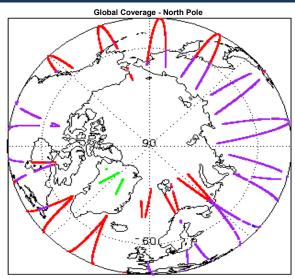
1. Overview

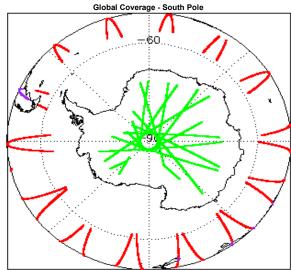
Report Production Date:	14-Aug-2017
Processor Used:	CryoSat Ice Processor
Data Used:	L1 and L2 Fast Delivery Marine (FDM)

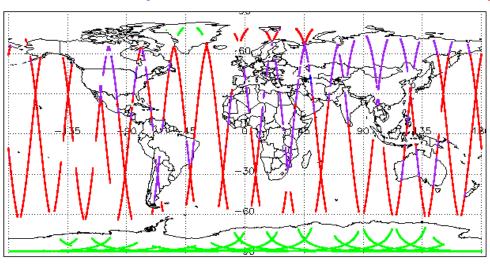
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check	Nominal
Auxiliary Data File 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

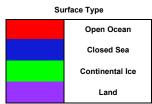
N	Mission / Instru	ment News
	10-Aug-2017	None
	11-Aug-2017	None
	12-Aug-2017	Nothing planned

2. Global Coverage









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.

Product	Test Failed
CS_OPER_SIR1SAR_020170811T014612_20170811T014721_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020170811T120644_20170811T121104_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020170811T222530_20170811T223014_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_0_20170811T215316_20170811T215439_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_0_20170811T103916_20170811T104039_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:

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:

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:

Product	Test Failed
CS_OFFL_SIR_FDM_1B_20170811T120201_20170811T120209_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20170811T133813_20170811T133824_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20170811T151447_20170811T151621_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20170811T180538_20170811T183848_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.

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:

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:

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_20170811T083829_20170811T084517_C001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_FDM_1B_20170811T120201_20170811T120209_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20170811T121745_20170811T122114_C001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_FDM_1B_20170811T133813_20170811T133824_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20170811T151447_20170811T151621_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20170811T165410_20170811T165511_C001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_FDM_1B_20170811T180538_20170811T183848_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20170811T220931_20170811T221434_C001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo

6. 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:

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:

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.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_2_20170810T235143_20170811T001929_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
00_0112_011_0 511201100101230110_2211001110010220_0001	Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220170811T004040_20170811T004209_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_2_20170811T013108_20170811T014142_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more
	Sea State Bias Correction, Altimetric	records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220170811T021646_20170811T022353_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_220170811T023133_20170811T023321_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
	Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220170811T031157_20170811T034358_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_220170811T034703_20170811T034736_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_220170811T035549_20170811T035602_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
00_011 E_011(_1 DWI_2201700111033343_201700111033002_0001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_220170811T041152_20170811T043215_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_220170811T045006_20170811T052538_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
	Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220170811T053501_20170811T053727_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_220170811T055259_20170811T061136_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 20170811T062947 20170811T070545 C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
	Wind Speed	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Rice
CS_OFFL_SIR_FDM_220170811T071725_20170811T073639_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_20170811T073720_20170811T075033_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
	Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220170811T080843_20170811T082338_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_220170811T082540_20170811T083503_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_220170811T085714_20170811T091421_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
C3_011	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_220170811T094814_20170811T100208_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_220170811T103639_20170811T103653_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
	Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220170811T103657_20170811T103916_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_220170811T104039_20170811T104749_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_220170811T104859_20170811T111206_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
00_0112_011 <u>0</u> 100_000111104000_201100111111200_0001	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_220170811T112802_20170811T115238_C001	Sea State Bias Correction	records
CS_OFFL_SIR_FDM_220170811T120209_20170811T120232_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
00 OFFI OID FDM 0 00470044T400745 00470044T400000 0004	Wind Speed Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220170811T130715_20170811T133322_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_220170811T133824_20170811T134510_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_20170811T135823_20170811T141413_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
	Wind Speed	Correction for one or more records There is an error with the Sea State Bias Correction for one or more
CS_OFFL_SIR_FDM_220170811T153620_20170811T160905_C001	Sea State Bias Correction	records
CS_OFFL_SIR_FDM_220170811T162704_20170811T164301_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_220170811T170108_20170811T170231_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
35_5/7E_5/175 DM_2_2201700111170100_201700111170231_0001	Wind Speed	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220170811T171258_20170811T174759_C001	Sea State Bias Correction, Altimetric Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_220170811T180538_20170811T183848_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_20170811T183848_20170811T183935_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
63_011L_3IK_FDIVI_Z201700111103046_201700111103933_C0001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_220170811T185134_20170811T190552_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_220170811T191032_20170811T191228_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
	Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220170811T191248_20170811T192725_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_220170811T200042_20170811T201800_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_220170811T204023_20170811T204728_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
55_511	Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220170811T204731_20170811T204951_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_220170811T205154_20170811T210626_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
	Wind Speed Sea State Bias Correction, Altimetric	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220170811T214018_20170811T215316_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_220170811T215439_20170811T215701_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 20170811T223015 20170811T224518 C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more
	Sea State Bias Correction, Altimetric	records There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_220170811T232332_20170811T233436_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:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220170811T083829_20170811T084517_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo

CS_OFFL_SIR_FDM_220170811T120201_20170811T120209_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220170811T121745_20170811T122114_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220170811T133813_20170811T133824_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220170811T151447_20170811T151621_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220170811T165410_20170811T165511_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220170811T180538_20170811T183848_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220170811T220931_20170811T221434_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo

6.6 L2 FDM Range Measurement Check

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

Number of products with errors:

33

CF Retaided Range Flag CFR SIR FDM 2 20179819720183 20179811700409_0001 CFR Retaided Range Flag CFR Retaided Range Fla	Product	Test Failed	Description
S. OPPL_SRE_FUNA_2_001709111005409_001709111005209_00000 S. OPPL_SRE_FUNA_2_001709111005409_001709111005209_00000 OPPL_SRE_FUNA_2_001709111005409_001709111005209_00000 OPPL_SRE_FUNA_2_001709111005409_001709111005209_00000 OPPL_SRE_FUNA_2_001709111005409_001709111005309_00000 OPPL_SRE_FUNA_2_001709111005209_001709111005309_00000 OPPL_SRE_FUNA_2_001709111005209_001709111005309_000000000 OPPL_SRE_FUNA_2_001709111005209_001709111005309_000000000000000000000000000000000	:S_OFFL_SIR_FDM_220170810T235143_20170811T001929_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
S. OFFL. SIR_FDM_2_0170911702503_0010911702503_0010 OFFL SIR_FDM_2_01709117102503_0010911702503_0010 OFFL SIR_FDM_2_01709117102503_0010911702503_0010 OFFL SIR_FDM_2_01709117102503_0010911702503_0010 OFFL SIR_FDM_2_01709117102503_0010010911702503_0010010911702503_001001091170250	S_OFFL_SIR_FDM_220170811T004040_20170811T004209_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
specific piece values student in each 18, 18, 4 % out of 8 orburd be graced for here energy. Specific SIR FDM 2_20170811102312_00170811103452_001 CPI Retrouced Range Flag	S_OFFL_SIR_FDM_220170811T021646_20170811T022353_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be
5. GFFL_SIR_FDM_2_20170611703559_20170811703592_2010 CPI Retracked Range Flag CPI Retracked Ra	S_OFFL_SIR_FDM_220170811T023133_20170811T023321_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
S. OFFL_SIR_FDM_2_20170811704506_20170811705402_6001 CFI Retracked Range Flag indicating the values stored in folds e13, #14, #16 and #16 houst be grown for these records. CFI Retracked Range Flag CFI Retracked Range Flag In enable fill flag is set by the CFI call. for one or more seconds, indicating the values stored in folds e13, #14, #16 and #16 should be grown for the values stored in folds e13, #14, #16 and #16 should be grown for the values stored in folds e13, #14, #16 and #16 should be grown for these records. CFI Retracked Range Flag In enable fill flag is set by the CFI call. for one or more seconds, indicating the values stored in files e13, #14, #16 and #16 should be grown for these records. In enable fill flag is set by the CFI call. for one or more seconds, indicating the values stored in files e13, #14, #16 and #16 should be grown for these records. In enable fill flag is set by the CFI call, for one or more seconds, including the values stored in files e13, #14, #16 and #16 should be grown for these records. In enable fill flag is set by the CFI call, for one or more seconds, including the values stored in files e13, #14, #16 and #16 should be grown for these records. In enable fill flag is set by the CFI call, for one or more seconds, including the values stored in files e13, #14, #16 and #16 should be grown for these records. In enable fill flag is set by the CFI call, for one or more seconds, including the values stored in files e13, #14, #16 and #16 should be grown for these records. In enable fill flag is set by the CFI call, for one or more seconds, including the values stored in fileds e13, #14, #16 and #16 should be grown for these records. In enable fill flag is set by the CFI call, for one or more seconds, including the values stored in fileds e13, #14, #16 and #16 should be grown for these records. In enable fill flag is set by the CFI call, for one or more seconds, including the values stored in fileds e13, #14, #16 and #16 should be grown for these records. In enable	S_OFFL_SIR_FDM_220170811T031157_20170811T034358_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CFI_SR_FDM_2_20170811708208_20170811708208_20100 CFI_SR_FDM_2_20170811708208_20170811708209_20100 CFI_SR_FDM_2_20170811708209_20170811708209_20100 CFI_SR_FDM_2_20170811708209_201708117108209_201708117108209_201708117108209_201708117108209_201708117108209_201708117108209_201708117108209_201708117108209_201708117108209	S_OFFL_SIR_FDM_220170811T035549_20170811T035602_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
S. OFFL_SIR_FDM_2_20170811T083091_20170811T083727_C001 S. OFFL_SIR_FDM_2_20170811T083901_2017081T1083727_C001 S. OFFL_SIR_FDM_2_2017081T1083902_2017081T1083902_C001 S. OFFL_SIR_FDM_2_2017081T1083902_2017081T1083902_C001 S. OFFL_SIR_FDM_2_2017081T1082947_2017081T1070945_C001 S. OFFL_SIR_FDM_2_2017081T1082947_2017081T1070945_C001 S. OFFL_SIR_FDM_2_2017081T1082947_2017081T1070935_C001 S. OFFL_SIR_FDM_2_2017081T1082947_2017081T1070935_C001 S. OFFL_SIR_FDM_2_2017081T1082947_2017081T1070935_C001 S. OFFL_SIR_FDM_2_2017081T1082947_2017081T108238_C001 S. OFFL_SIR_FDM_2_2017081T1082947_2017081T109338_C001 S. OFFL_SIR_FDM_2_2017081T1082947_2017081T109338_C001 S. OFFL_SIR_FDM_2_2017081T1082947_2017081T1083038_C001 S. OFFL_SIR_FDM_2_2017081T1082947_2017081T1083038_C001 S. OFFL_SIR_FDM_2_2017081T1082948_2017081T1083038_C001 S. OFFL_SIR_FDM_2_2017081T1082948_2017081T109338_C001 S. OFFL_SIR_FDM_2_2017081T1082948_2017081T109395_C001 S. OFFL_SIR_FDM_2_2017081T1082948_2017081T109395_C001 S. OFFL_SIR_FDM_2_2017081T1082948_2017081T109395_C001 S. OFFL_SIR_FDM_2_2017081T108398_2017081T109395_C001 S. OFFL_SIR_FDM_2_2017081T109398_2017081T109395_C001 S. OFFL_SIR_FDM_2_2017081T109398_2017081T109395_C001 S. OFFL_SIR_FDM_2_2017081T109398_2017081T1109395_C001 S. OFFL_SIR_FDM_2_2017081T109398_2017081T1109395_C001 S. OFFL_SIR_FDM_2_2017081T109398_2017081T1109395_C001 S. OFFL_SIR_FDM_2_2017081T109398_2017081T1109395_C001 S. OFFL_SIR_FDM_2_2017081T109398_2017081T1109395_C001 S. OFFL_SIR_FDM_2_2017081T1109398_2017081T1109395_C001 S. OFFL_SIR_FDM_2_2017081T1109398_2017081T1109395_C001 S. OFFL_SIR_FDM_2_2017081T1109398_2017081T1109395_C001 S. OFFL_SIR_FDM_2_2017081T1109398_2017081T1109395_C001 S. OFFL_SIR_FDM_2_2017081T1109398_2017081T1109395_C001 S. OFFL_SIR_FDM_2_2017081T1109398_2017081T1109395_C001 S. OFFL_SIR_FDM_2_2017081T1109396_C001 S. OFFL_SIR_FDM_2_2017081T1109398_2017081T1109395_C001 S. OFFL_SIR_FDM_2_2017081T1109398_2017081T1109395_C001 S. OFFL_SIR_FDM_2_2017081T1109398_2017081T1109395_C001 S. OFFL_	S_OFFL_SIR_FDM_220170811T041152_20170811T043215_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
S. OFFL_SIR_FDM_2_20170811T053291_2017081T053727_0001 CFI Retracked Range Flag glored for These records. The master fall flag is set by the CFI call, for one or more records, including the values stored first, 314 if, 418 and 416 should be ignored for these records. The master fall flag is set by the CFI call, for one or more records, including the values stored first, 314 if, 418 and 416 should be ignored for these records. The master fall flag is set by the CFI call, for one or more records, indicating the values stored first, 314 if, 418 and 416 should be ignored for these records. The master fall flag is set by the CFI call for one or more records, indicating the values stored in fields 413, 414, 418 and 416 should be ignored for these records. The master fall flag is set by the CFI call for one or more records, indicating the values stored in fields 413, 414, 418 and 416 should be ignored for these records. The master fall flag is set by the CFI call for one or more records, indicating the values stored in fields 413, 414, 418 and 416 should be ignored for these records. The master fall flag is set by the CFI call for one or more records, indicating the values stored in fields 413, 414, 418 and 416 should be ignored for these records. The master fall flag is set by the CFI call for one or more records, indicating the values stored in fields 413, 414, 418 and 416 should be ignored for these records. The master fall flag is set by the CFI call for one or more records, indicating the values stored in fields 413, 414, 418 and 416 should be ignored for these records. The master fall flag is set by the CFI call for one or more records, indicating the values stored in fields 413, 414, 418 and 416 should be ignored for these records. The master fall flag is set by the CFI call for one or more recor	S_OFFL_SIR_FDM_220170811T045006_20170811T052538_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
S. OFFL_SIR_FDM_2_201708111065259_201708111107535_C001 CFI Retracked Range Flag proceed for these records. In felds #13, #14, #15 and #16 should be growed for these records.	S_OFFL_SIR_FDM_2_20170811T053501_20170811T053727_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
SCOPPL_SIR_FDM_2_20170811708294_20170811707503_C001 CFI Retracked Range Flag CFI Retracked Ran	S_OFFL_SIR_FDM_220170811T055259_20170811T061136_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be indoored for these records. CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be indoored for these records. The master fall 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 indicating the values stored in fields #13, #14, #15 and #16 should be indicating the values stored in fields #13, #14, #15 and #16 should be indicating the values stored in fields #13, #14, #15 and #16 should be indicating the values stored in fields #13, #14, #15 and #16 should be indicating the values stored in fields #13, #14, #15 and #16 should be indicating the values stored in fields #13, #14, #15 and #16 should be indicating the values stored in fields #13, #14, #15 and #16 should be indicating the values stored in fields #13, #14, #15 and #16 should be indicating the values stored in fields #13, #14, #15 and #16 should be indicating the values stored in fields #13, #14, #15 and #16 should be indicating the values stored in fields #13, #14, #15 and #16 should be indicating the values stored in fields #13, #14, #15 and #16 should be indicating the values stored in fields #13, #14, #15 and #16 should be indicating the values stored in fields #13, #14, #15 and #16 should be indicating the values stored in fields #13, #14, #15 and #16 should be indicating the values stored in fields #13, #14, #15 and #16 should be indicating the values stored in fields #13, #14, #15 and #16 should be indicating the values stored in fields #13, #14, #15 and #16 should be indicating the values stored in fields #13, #14, #15 and #16 should be indicating the values stored in fields #13, #14, #15 and #16 should be indicating the values stored in fields #13, #14, #15 and #16 should be indicating the values stored in fields #13, #14, #15 and #16 should be indicating the values stored in fields #13, #14, #15 and #16 should be indicating the values	S_OFFL_SIR_FDM_2_20170811T062947_20170811T070545_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
S. OFFL_SIR_FDM_2_20170811T080943_20170811T08238_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be indicated for these records. The master fail flag is set by the CFI call, for one or more records, necessary and the values stored in fields #13, #14, #15 and #16 should be indicated for these records. S. OFFL_SIR_FDM_2_20170811T085714_20170811T09142_C001 CFI Retracked Range Flag The master fail flag is set by the CFI call, for one or more records, andicating the values stored in fields #13, #14, #15 and #16 should be indicating the values stored in fields #13, #14, #15 and #16 should be indicated for these records. S. OFFL_SIR_FDM_2_20170811T103639_20170811T103916_C001 CFI Retracked Range Flag The master fail flag is set by the CFI call, for one or more records, necessary and the values stored in fields #13, #14, #15 and #16 should be indicated from the expension of the set of the property of these records. S. OFFL_SIR_FDM_2_20170811T104039_20170811T104749_C001 CFI Retracked Range Flag CFI Retracked Range Fla	S_OFFL_SIR_FDM_220170811T073720_20170811T075033_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CFI Retracked Range Flag GPFL_SIR_FDM_2_20170811T085744_20170811T091421_C001 CFI Retracked Range Flag GPFL_SIR_FDM_2_20170811T036574_20170811T1091421_C001 CFI Retracked Range Flag GPFL_SIR_FDM_2_20170811T103639_20170811T103653_C001 CFI Retracked Range Flag GPFL_SIR_FDM_2_20170811T103657_20170811T103653_C001 CFI Retracked Range Flag GPFL_SIR_FDM_2_2017081T1103657_2017081T1103653_C001 CFI Retracked Range Flag GPFL_SIR_FDM_2_2017081T1103657_2017081T1103916_C001 CFI Retracked Range Flag GPFL_SIR_FDM_2_2017081T1103657_2017081T11034749_C001 CFI Retracked Range Flag GPFL_SIR_FDM_2_2017081T1103659_2017081T11034749_C001 CFI Retracked Range Flag GPFL_SIR_FDM_2_2017081T1103659_2017081T110360_C001 CFI Retracked Range Flag GPFL_SIR_FDM_2_2017081T110309_20170811T110360_C001 CFI Retracked Range Flag GPFL_SIR_FDM_2_2017081T110309_20170811T110360_C001 CFI Retracked Range Flag GPFL_SIR_FDM_2_20170811T10309_20170811T103202_C001 CFI Retracked Range Flag GPFL_SIR_FDM_2_20170811T130715_20170811T133322_C001 CFI Retracked Range Flag GPFL_SIR_FDM_2_20170811T130715_20170811T133322_C001 CFI Retracked Range Flag GPFL_SIR_FDM_2_20170811T130715_20170811T133322_C001 CFI Retracked Range Flag GPFL_SIR_FDM_2_20170811T130715_20170811T13322_C001 CFI Retracked Range Flag GPFL_SIR_FDM_2_20170811T130715_20170811T13322_C001 CFI Retracked Range Flag GPFL_SIR_FDM_2_20170811T130715_20170811T134510_C001 CFI Retracked Range Flag GPFL_SIR_FDM_2_20170811T133824_20170811T134510_C001 CFI Retracked Range Flag GPFL_SIR_FDM_2_20170811T133824_20170811T134510_C001 CFI Retracked Range Flag GPFL_SIR_FDM_2_20170811T133824_20170811T134510_C001 CFI Retracked Range Flag GPFL_SIR_FDM_2_20170811T133824_20170811T134520_C001 CFI Retracked Range Flag GPFL_SIR_FDM_2_20170811T135823_20170811T14413_C001 CFI Retracked Range Flag GPFL_SIR_FDM_2_20170811T135824_20170811T191228_C001 CFI Retracked Range Flag GPFL_SIR_FDM_2_20170811T191384_20170811T191228_C001 CFI Retracked Range Flag GPFL_SIR_FDM_2_20170811T191332_C001 CFI Retracke	S_OFFL_SIR_FDM_220170811T080843_20170811T082338_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
S_OFFL_SIR_FDM_2_20170811T1085714_20170811T109421_C001 CFI Retracked Range Flag Indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. CFI Retracked Range Flag CFI Retracked Range	S_OFFL_SIR_FDM_220170811T082540_20170811T083503_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. S_OFFL_SIR_FDM_2_20170811T103657_20170811T103916_C001 CFI Retracked Range Flag The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. 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. S_OFFL_SIR_FDM_2_20170811T170108_20170811T170231_C001 CFI Retracked Range Flag CFI Retracked Range Flag CFI Retracked Range Flag The master fail fl	S_OFFL_SIR_FDM_220170811T085714_20170811T091421_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
S_OFFL_SIR_FDM_2_20170811T103957_20170811T104749_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. S_OFFL_SIR_FDM_2_20170811T130715_20170811T133322_C001 CFI Retracked Range Flag CFI Re	S_OFFL_SIR_FDM_220170811T103639_20170811T103653_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
S_OFFL_SIR_FDM_2_20170811T104039_20170811T1104749_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fall 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. S_OFFL_SIR_FDM_2_20170811T120209_20170811T120232_C001 CFI Retracked Range Flag CFI	S_OFFL_SIR_FDM_220170811T103657_20170811T103916_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
S_OFFL_SIR_FDM_2_20170811T104859_20170811T11206_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. S_OFFL_SIR_FDM_2_20170811T130715_20170811T133322_C001 CFI Retracked Range Flag CFI R	S_OFFL_SIR_FDM_220170811T104039_20170811T104749_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
S_OFFL_SIR_FDM_2_20170811T12029_20170811T120232_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. CFI Retracked Range Flag CFI Retr	S_OFFL_SIR_FDM_220170811T104859_20170811T111206_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
S_OFFL_SIR_FDM_2_20170811T130715_20170811T133322_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The mas	S_OFFL_SIR_FDM_220170811T120209_20170811T120232_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
S_OFFL_SIR_FDM_2_20170811T133824_20170811T134510_C001 CFI Retracked Range Flag Indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The mas	S_OFFL_SIR_FDM_220170811T130715_20170811T133322_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
S_OFFL_SIR_FDM_2_20170811T135823_20170811T141413_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. S_OFFL_SIR_FDM_2_20170811T171258_20170811T174759_C001 CFI Retracked Range Flag CFI Retracked Range Flag CFI Retracked Range Flag CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. CFI Retracked Range Flag CFI Retracked Range Fl	S_OFFL_SIR_FDM_220170811T133824_20170811T134510_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
S_OFFL_SIR_FDM_2_20170811T170108_20170811T170231_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. S_OFFL_SIR_FDM_2_20170811T185134_20170811T190552_C001 CFI Retracked Range Flag CFI Retracked Range Flag CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. S_OFFL_SIR_FDM_2_20170811T191032_20170811T191228_C001 CFI Retracked Range Flag CFI Retracked Range Flag CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.	S_OFFL_SIR_FDM_220170811T135823_20170811T141413_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
S_OFFL_SIR_FDM_2_20170811T171258_20170811T174759_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. S_OFFL_SIR_FDM_2_20170811T191032_20170811T191228_C001 S_OFFL_SIR_FDM_2_20170811T191248_20170811T192725_C001 CFI Retracked Range Flag CFI Retracked Range Flag CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. CFI Retracked Range Flag CFI Retracked Range Flag CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. CFI Retracked Range Flag CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.	S_OFFL_SIR_FDM_220170811T170108_20170811T170231_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
S_OFFL_SIR_FDM_2_20170811T185134_20170811T190552_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. S_OFFL_SIR_FDM_2_20170811T191248_20170811T192725_C001 CFI Retracked Range Flag CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.	S_OFFL_SIR_FDM_2_20170811T171258_20170811T174759_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
S_OFFL_SIR_FDM_2_20170811T191032_20170811T191228_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. 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	S_OFFL_SIR_FDM_220170811T185134_20170811T190552_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
S_OFFL_SIR_FDM_2_20170811T191248_20170811T192725_C001 CFI Retracked Range Flag indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.	S_OFFL_SIR_FDM_2_20170811T191032_20170811T191228_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
S_OFFL_SIR_FDM_220170811T204023_20170811T204728_C001	S_OFFL_SIR_FDM_220170811T191248_20170811T192725_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
	S_OFFL_SIR_FDM_220170811T204023_20170811T204728_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be

CS_OFFL_SIR_FDM_220170811T204731_20170811T204951_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_220170811T205154_20170811T210626_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_220170811T214018_20170811T215316_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_220170811T215439_20170811T215701_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_220170811T232332_20170811T233436_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

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:

Number of products with errors: 33		
Product	Test Failed	Description The master fail flee is not by the CEL cell for one or more records
CS_OFFL_SIR_FDM_2_20170810T235143_20170811T001929_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_220170811T004040_20170811T004209_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_2_20170811T021646_20170811T022353_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_220170811T023133_20170811T023321_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_220170811T031157_20170811T034358_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_2_20170811T035549_20170811T035602_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_2_20170811T041152_20170811T043215_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_2_20170811T045006_20170811T052538_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_2_20170811T053501_20170811T053727_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_2_20170811T055259_20170811T061136_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_2_20170811T062947_20170811T070545_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_2_20170811T073720_20170811T075033_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_2_20170811T080843_20170811T082338_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_220170811T082540_20170811T083503_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_2_20170811T085714_20170811T091421_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_2_20170811T103639_20170811T103653_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_2_20170811T103657_20170811T103916_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_2_20170811T104039_20170811T104749_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_2_20170811T104859_20170811T1111206_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_2_20170811T120209_20170811T120232_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_2_20170811T130715_20170811T133322_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_2_20170811T133824_20170811T134510_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_2_20170811T135823_20170811T141413_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_2_20170811T170108_20170811T170231_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_2_20170811T171258_20170811T174759_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_2_20170811T185134_20170811T190552_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_2_20170811T191032_20170811T191228_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_220170811T191248_20170811T192725_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_220170811T204023_20170811T204728_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_220170811T204731_20170811T204951_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_220170811T205154_20170811T210626_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_220170811T214018_20170811T215316_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_220170811T215439_20170811T215701_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_220170811T232332_20170811T233436_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.

Product	Test Failed	Description
S_OFFL_SIR_FDM_220170810T235143_20170811T001929_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.
S_OFFL_SIR_FDM_220170811T004040_20170811T004209_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.
S_OFFL_SIR_FDM_220170811T005038_20170811T011502_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.
S_OFFL_SIR_FDM_220170811T014721_20170811T020423_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.
S_OFFL_SIR_FDM_220170811T021646_20170811T022353_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.
S_OFFL_SIR_FDM_220170811T023133_20170811T023321_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.
S_OFFL_SIR_FDM_220170811T031157_20170811T034358_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.
S_OFFL_SIR_FDM_220170811T035549_20170811T035602_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.
S_OFFL_SIR_FDM_220170811T035624_20170811T035801_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.
S_OFFL_SIR_FDM_220170811T041152_20170811T043215_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
S_OFFL_SIR_FDM_220170811T045006_20170811T052538_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.
S_OFFL_SIR_FDM_220170811T053501_20170811T053727_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
S_OFFL_SIR_FDM_2_20170811T055259_20170811T061136_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
S_OFFL_SIR_FDM_220170811T062947_20170811T070545_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
S_OFFL_SIR_FDM_220170811T071725_20170811T073639_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
S_OFFL_SIR_FDM_220170811T073720_20170811T075033_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
S_OFFL_SIR_FDM_220170811T080843_20170811T082338_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
		Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
S_OFFL_SIR_FDM_220170811T082540_20170811T083503_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
S_OFFL_SIR_FDM_220170811T085714_20170811T091421_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
S_OFFL_SIR_FDM_220170811T094814_20170811T100208_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
S_OFFL_SIR_FDM_220170811T103639_20170811T103653_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
S_OFFL_SIR_FDM_220170811T103657_20170811T103916_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
S_OFFL_SIR_FDM_220170811T104039_20170811T104749_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
S_OFFL_SIR_FDM_220170811T104859_20170811T111206_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.
S_OFFL_SIR_FDM_220170811T112802_20170811T115238_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.
S_OFFL_SIR_FDM_220170811T120209_20170811T120232_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.
S_OFFL_SIR_FDM_220170811T122343_20170811T123500_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.
S_OFFL_SIR_FDM_220170811T130715_20170811T133322_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.
S_OFFL_SIR_FDM_220170811T133824_20170811T134510_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.
S_OFFL_SIR_FDM_220170811T135823_20170811T141413_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.
S_OFFL_SIR_FDM_220170811T153620_20170811T160905_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.
S_OFFL_SIR_FDM_220170811T170108_20170811T170231_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.
S_OFFL_SIR_FDM_220170811T171258_20170811T174759_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.
S_OFFL_SIR_FDM_220170811T185134_20170811T190552_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.
S_OFFL_SIR_FDM_220170811T191032_20170811T191228_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_220170811T191248_20170811T192725_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_220170811T194626_20170811T195850_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_2_20170811T200042_20170811T201800_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_220170811T204023_20170811T204728_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_220170811T204731_20170811T204951_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_220170811T205154_20170811T210626_C001		The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220170811T214018_20170811T215316_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_220170811T215439_20170811T215701_C001		The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220170811T230108_20170811T232307_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_220170811T232332_20170811T233436_C001		The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.

7. QCC Report Analysis

The Quality Control for CryoSat (QCC) facility performs a primary survey of data products immediately after production by the PDS and LTA processing facilities. A list of the tests which raised errors or warnings is provided below.

Product type	Nb. Products	Nb. QCC Reports	Nb. Valid	Nb. Warnings	Nb. Errors
SIR1LRM_0_	143	143	143	0	0
SIR1SAR_0_	96	96	96	0	0
SIR1SIN_0_	105	105	105	0	0
SIR2SIN_0_	109	109	109	0	0
SIR_FDM_1B	143	143	143	0	0
SIR FDM 2	141	141	141	0	0

7.1 QCC Errors

Number of QCC reports with errors:

0

7.2 QCC Warnings

Number of QCC reports with warnings

0

7.3 Missing QCC Reports

Number of products with missing QCC reports:

0