



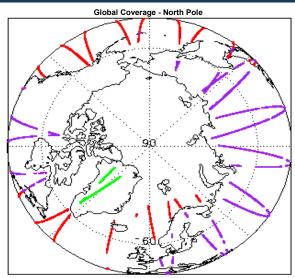
## 1. Overview

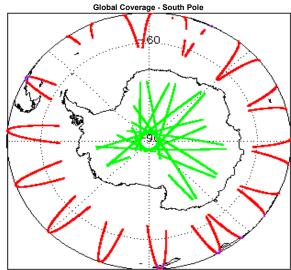
Report Production Date:	13-May-2019
Processor Used:	CryoSat Ice Processor
Data Used:	L1 and L2 Fast Delivery Marine (FDM)  Mode and L0 Data

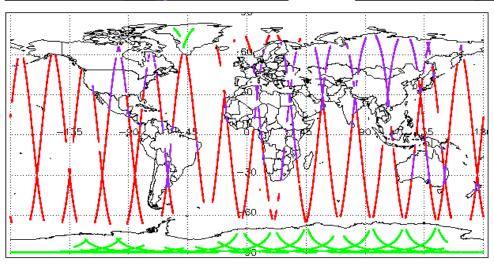
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check	Nominal
Auxiliary Data File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

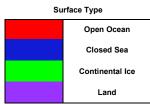
Mission / Instru	ment News
10-May-2019	None
11-May-2019	None
12-May-2019	Nothing planned

## 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

## 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).

#### 4.2 L0 Product Header Analysis

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

Number of products with errors:

8		
8		

Product	Test Failed
CS_OPER_SIR1SAR_020190511T090344_20190511T091505_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_0_20190511T005001_20190511T005120_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020190511T234833_20190511T235050_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020190511T061339_20190511T061913_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020190511T135135_20190511T135236_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_0_20190511T041008_20190511T041453_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020190511T204306_20190511T204351_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_0_20190511T195150_20190511T195506_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.

## 5. Level 1B FDM Data Quality Check

#### 5.1 L1B FDM Product Format Check

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

Number of products with errors:

0

#### 5.2 L1B FDM Product Header Analysis

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

Number of products with errors:

0

#### 5.3 L1B FDM Star Tracker Usage Check

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

Number of products with errors:

4

Product	Test Failed
CS_OFFL_SIR_FDM_1B_20190511T053107_20190511T053822_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20190511T071449_20190511T071552_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20190511T085355_20190511T085521_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20190511T103436_20190511T103708_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:

0

#### 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:

#### 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_20190511T053107_20190511T053822_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20190511T071449_20190511T071552_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20190511T084235_20190511T084650_C001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_FDM_1B_20190511T085355_20190511T085521_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20190511T103436_20190511T103708_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20190511T172829_20190511T173356_C001		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.

#### 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:

25

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So, OFFL, SIR, FDM. 2, 20190511703192, 201905117020192, C001  So, OFFL, SIR, FDM. 2, 201905117020192, 201905117020192, C001  So, OFFL, SIR, FDM. 2, 201905117020192, 201905117020052, C001  So, OFFL, SIR, FDM. 2, 20190511702019, 201905117020052, C001  So, OFFL, SIR, FDM. 2, 20190511702019, 20190511702009, C001  So, OFFL, SIR, FDM. 2, 20190511702019, 20190511702009, C001  So, OFFL, SIR, FDM. 2, 20190511702092, 201905117020095, C001  So, OFFL, SIR, FDM. 2, 20190511702095, 20190511706200, C001  So, OFFL, SIR, FDM. 2, 20190511702092, 20190511706200, C001  So, OFFL, SIR, FDM. 2, 20190511702093, 20190511706201, C001  So, OFFL, SIR, FDM. 2, 20190511700303, 20190511706219, C001  So, OFFL, SIR, FDM. 2, 20190511700303, 20190511706219, C001  So, OFFL, SIR, FDM. 2, 20190511700303, 20190511706219, C001  So, OFFL, SIR, FDM. 2, 201905117102092, 20190511700309, C001  So, OFFL, SIR, FDM. 2, 201905117102092, 20190511700309, C001  So, OFFL, SIR, FDM. 2, 201905117102092, 201905117100309, C001  So, OFFL, SIR, FDM. 2, 201905117100309, 201905117100309, C001  So, OFFL, SIR, FDM. 2, 201905117100309, 201905117100309, C001  So,	CS_OFFL_SIR_FDM_220190511T000738_20190511T003615_C001		
Set State Blass Correction, Allimetric Whold Speed and Sea State Blas Correction on Allimetric Whold Speed (Sea State Blass Correction) Allimetric Whold Speed and Sea State Blass Correction Allimetric Whold Speed (Sea State Blass Correction) Allimetric Whold Speed (Sea State Bl	CS_OFFL_SIR_FDM_220190511T012003_20190511T013105_C001	•	There is an error with the Sea State Bias Correction for one or more
Sea State Blas Correction, Altranetic Sea State Blas Correction, Altra	CS_OFFL_SIR_FDM_220190511T014714_20190511T020130_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more
Ses State Bias Correction, Altereday CS_OFFL_SIR_FDM_2_20190511704170_20190517105105_C001 Ses State Bias Correction, Altereday Wind Speed Ses State Bias Correction, Altereday Wind Speed Ses State Bias Correction, Altereday Wind Speed Ses State Bias Correction, Altereday	CS_OFFL_SIR_FDM_220190511T020310_20190511T020553_C001		There is an error with the Altimetric Wind Speed and Sea State Bias
Ses Shift plans Correction Alteredric Virial Speed and Sea State Blas Correction Alteredric Virial Speed Correction Alter	CS_OFFL_SIR_FDM_220190511T024834_20190511T031211_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
SOFFL_SIR_FDM_2_201905111705939_20190511706397_0001 Ses State Bias Correction, Alternetic Wind Speed and Sea State Bias Correction, Alternetic Wind Speed and Sea State Bias Correction, Alternetic Sea State Bias Correction,	CS_OFFL_SIR_FDM_220190511T041710_20190511T045100_C001	Sea State Bias Correction	
Sea Sistel Blas Correction, Allimetric Wind Speed and Sea State Blas Correction for one or more records  Sea State Blas Correction, Allimetric Wind Speed and Sea State Blas Correction for one or more records  Sea State Blas Correction, Allimetric Wind Speed and Sea State Blas Correction for one o	CS_OFFL_SIR_FDM_220190511T050552_20190511T053057_C001	The state of the s	
Wind Speed Sea State Blas Correction, Altmetric Wind Speed Sea State Blas Corr	CS_OFFL_SIR_FDM_220190511T055849_20190511T061339_C001	Sea State Bias Correction	
Wind Speed  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed  Sea State Bias Correction, Alti	CS_OFFL_SIR_FDM_220190511T061913_20190511T063017_C001		·
Wind Speed CS_OFFL_SIR_FDM_2_201905117084384_201905117084001 Sea State Bias Correction, Allmettic Wind Speed CS_OFFL_SIR_FDM_2_201905117084384_201905117085018 Sea State Bias Correction, Allmettic Wind Speed CS_OFFL_SIR_FDM_2_201905117104372_20190511710450_C001 Sea State Bias Correction, Allmettic Wind Speed CS_OFFL_SIR_FDM_2_201905117104501_C001 Sea State Bias Correction, Allmettic Wind Speed CS_OFFL_SIR_FDM_2_201905117104501_C001 Sea State Bias Correction, Allmettic Wind Speed CS_OFFL_SIR_FDM_2_201905117104501_C001 Sea State Bias Correction, Allmettic Wind Speed CS_OFFL_SIR_FDM_2_201905117103708_C001 Sea State Bias Correction, Allmettic Wind Speed CS_OFFL_SIR_FDM_2_20190511713041_C001 Sea State Bias Correction, Allmettic Wind Speed CS_OFFL_SIR_FDM_2_20190511713041_C001 Sea State Bias Correction, Allmettic Wind Speed CS_OFFL_SIR_FDM_2_201905117130407_C001 Sea State Bias Correction, Allmettic Wind Speed CS_OFFL_SIR_FDM_2_201905117104007_201905117104007_C001 Sea State Bias Correction, Allm	CS_OFFL_SIR_FDM_220190511T070849_20190511T071024_C001		
So. OFFL_SIR_FDM_2_20190511T084034_2019051T09400_C001  Soa State Bias Correction, Allimetric Wind Speed and Sea State Bias Correction, Allimetric Wind Speed All Mallimetric Wind Speed All Sea State Bias Correction, Allimetric Wind	CS_OFFL_SIR_FDM_220190511T073508_20190511T080851_C001	Wind Speed	Correction for one or more records
Sca State Bias Correction, Allimetric Wind Speed and Sea State Bias Correction, Allimetric Wind Speed Sea State Bias Correction, Allimetric Wind Speed and Sea State Bias Correction, Allimetric Wind Speed Sea State Bias Correction Sea State Bias Correction for one or more records Wind Speed Sea State Bias Correction Sea State Bias Correction for one or more records Wind Speed Sea State Bias Correction Sea State Bias Correction for One or more records Wind Speed Sea State Bias Correction Sea State Bias Correction for One or more records Wind Speed All Malmetric Wind Speed And Sea State Bias Correction Sea State Bias	CS_OFFL_SIR_FDM_220190511T083625_20190511T084201_C001	Wind Speed	Correction for one or more records
Wind Speed  CS_OFFL_SIR_FDM_2_20190511T100325_2019051T1T10517_2019051T1T00325_2019051T1T00325_2019051T1T00317_	CS_OFFL_SIR_FDM_220190511T084834_20190511T085118_C001	Wind Speed	Correction for one or more records
Wind Speed  CS_OFFL_SIR_FDM_2_20199511T109262_20190511T102928_2001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is a nerror with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  Se	CS_OFFL_SIR_FDM_220190511T092635_20190511T094800_C001	Wind Speed	Correction for one or more records
Wind Speed  Sc_OFFL_SIR_FDM_2_20190511T102926_20190511T102928_C0001  Sc_OFFL_SIR_FDM_2_20190511T103780_20190511T103780_C0001  Sc_OFFL_SIR_FDM_2_20190511T103780_20190511T103780_C0001  Sc_OFFL_SIR_FDM_2_20190511T103780_20190511T103780_C0001  Sc_OFFL_SIR_FDM_2_20190511T103780_20190511T103780_C0001  Sc_OFFL_SIR_FDM_2_20190511T1037375_C0001  Sc_OFFL_SIR_FDM_2_20190511T1037375_C0001  Sc_OFFL_SIR_FDM_2_20190511T1037375_C0001  Sc_OFFL_SIR_FDM_2_20190511T105522_20190511T112710_C001  Sc_OFFL_SIR_FDM_2_20190511T105522_20190511T115815_C0001  Sc_OFFL_SIR_FDM_2_20190511T123737_20190511T124908_C001  Sc_OFFL_SIR_FDM_2_20190511T123737_20190511T124908_C001  Sc_OFFL_SIR_FDM_2_20190511T133941_20190511T13514_C001  Sc_OFFL_SIR_FDM_2_20190511T133941_20190511T13514_C001  Sc_OFFL_SIR_FDM_2_20190511T162317_20190511T152610_C001  Sc_OFFL_SIR_FDM_2_20190511T160013_20190511T162432_C001  Sc_OFFL_SIR_FDM_2_20190511T165556_20190511T109051_C001  Sc_OFFL_SIR_FDM_2_20190511T165556_20190511T109051_C001  Sc_OFFL_SIR_FDM_2_20190511T1833091_20190511T165505_C001  Sc_OFFL_SIR_FDM_2_20190511T183509_20190511T185005_C001  Sc_OFFL_SIR_FDM_2_20190511T1933_20190511T185005_C001  Sc_OFFL_SIR_FDM_2_20190511T1933_20190511T190601_C001  Sc_OFFL_SIR_FDM_2_20190511T1933_20190511T190601_C001  Sc_OFFL_SIR_FDM_2_20190511T183509_20190511T190601_C001  Sc_OFFL_SIR_FDM_2_20190511T173835_20190511T190601_C001  Sc_OFFL_SIR_FDM_2_20190511T190607_20190511T190601_C001  Sc_OFFL_SIR_FDM_2_20190511T190607_20190511T190601_C001  Sc_OFFL_SIR_FDM_2_20190511T190607_20190511T190601_C001  Sc_OFFL_SIR_FDM_2_20190511T190607_20190511T190601_C001  Sc_OFFL_SIR_FDM_2_20190511T191733_0190511T190601_C001  Sc_OFFL_SIR_FDM_2_20190511T191733_0190511T190601_C001  Sc_OFFL_SIR_FDM_2_20190511T191733_0190511T100601_C001  Sc_OFFL_SIR_FDM_2_20190511T191733_0190511T100601_C001  Sc_OFFL_SIR_FDM_2_20190511T1910601_C001  Sc_OFFL_SIR_FDM_2_20190511T190601_C001  Sc_OFFL_SIR_FDM_2_20190511T190601_C001  Sc_OFFL_SIR_FDM_2_20190511T190601_C001  Sc_OFFL_SIR_FDM_2_20190511T191733_00010011T100601_C001  Sc_OFFL_SIR_FDM_	CS_OFFL_SIR_FDM_220190511T100325_20190511T101507_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_2_20190511T102826_2019051T1103708_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an er	CS_OFFL_SIR_FDM_220190511T101511_20190511T102413_C001	Wind Speed	Correction for one or more records
Wind Speed  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Allimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Allimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20190511T152317_20190511T162423_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20190511T16556_20190511T170719_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20190511T18350_20190511T18530_C001  Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20190511T190607_20190511T190651_C001  Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20190511T191738_20190511T19051_C001  Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20190511T19653_20190511T190170_C001  Sea State Bias Correction, Altimetric W	CS_OFFL_SIR_FDM_220190511T102926_20190511T102928_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_2_20190511T103708_20190511T115252_20190511T115252_20190511T115815_C001  CS_OFFL_SIR_FDM_2_20190511T114545_20190511T115815_C001  CS_OFFL_SIR_FDM_2_20190511T114545_20190511T115815_C001  CS_OFFL_SIR_FDM_2_20190511T123737_20190511T124908_C001  CS_OFFL_SIR_FDM_2_20190511T125112_20190511T130610_C001  CS_OFFL_SIR_FDM_2_20190511T133941_20190511T135134_C001  CS_OFFL_SIR_FDM_2_20190511T133941_20190511T13534_C001  CS_OFFL_SIR_FDM_2_20190511T162317_20190511T162610_C001  CS_OFFL_SIR_FDM_2_20190511T162317_20190511T162610_C001  CS_OFFL_SIR_FDM_2_20190511T160013_20190511T162423_C001  CS_OFFL_SIR_FDM_2_20190511T160013_20190511T162432_C001  CS_OFFL_SIR_FDM_2_20190511T173835_20190511T162432_C001  CS_OFFL_SIR_FDM_2_20190511T173835_20190511T180437_C001  CS_OFFL_SIR_FDM_2_20190511T183509_20190511T180051_C001  CS_OFFL_SIR_FDM_2_20190511T183509_20190511T180051_C001  CS_OFFL_SIR_FDM_2_20190511T183509_20190511T180051_C001  CS_OFFL_SIR_FDM_2_20190511T19385_20190511T180051_C001  CS_OFFL_SIR_FDM_2_20190511T1938509_20190511T1910551_C001  CS_OFFL_SIR_FDM_2_20190511T17385_20190511T19103_C001  CS_OFFL_SIR_FDM_2_20190511T17385_20190511T1910551_C001  CS_OFFL_SIR_FDM_2_20190511T17385_20190511T1910551_C001  CS_OFFL_SIR_FDM_2_20190511T17385_20190511T1910551_C001  CS_OFFL_SIR_FDM_2_20190511T17385_20190511T1910551_C001  CS_OFFL_SIR_FDM_2_20190511T123653_20190511T12207_C001  CS_OFFL_SIR_FDM_2_20190511T123653_20190511T12207_C001  CS_OFFL_SIR_FDM_2_20190511T123653_20190511T22107_C001  CS_OFFL_SIR_FDM_2_20190511T123653_20190511T22107_C001  CS_OFFL_SIR_FDM_2_20190511T123653_20190511T22107_C001  CS_OFFL_SIR_FDM_2_20190511T123653_20190511T22107_C001  CS_OFFL_SIR_FDM_2_20190511T23653_20190511T23130_C001  CS_OFFL_SIR_FDM_2_20190511T23653_20190511T23130_C001  CS_OFFL_SIR_FDM_2_20190511T23653_20190511T22107_C001  CS_OFFL_SIR_FDM_2_20190511T23653_20190511T2207_C001  CS_OFFL_SIR_FDM_2_20190511T23653_20190511T23651_C001  CS_OFFL_SIR_FDM_2_20190511T23653_20190511T23651_C001  CS_OFFL_SIR_FDM_2_20190511T23653_20190511T23651_C001  CS_OFFL_SIR_FDM_2_201	CS_OFFL_SIR_FDM_220190511T103436_20190511T103708_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_2_20190511T114545_20190511T115815_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  CS_OFFL_SIR_FDM_2_20190511T123737_20190511T124908_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Sea State Bias Correction for one or more records  There is an error with the Sea State Bias Correction for one or more records  There is an error with the Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  CS_OFFL_SIR_FDM_2_20190511T160013_20190511T162423_C001  CS_OFFL_SIR_FDM_2_20190511T165556_20190511T170719_C001  CS_OFFL_SIR_FDM_2_20190511T173835_20190511T180437_C001  CS_OFFL_SIR_FDM_2_20190511T183509_20190511T180437_C001  CS_OFFL_SIR_FDM_2_20190511T183509_20190511T180651_C001  CS_OFFL_SIR_FDM_2_20190511T190607_20190511T190651_C001  CS_OFFL_SIR_FDM_2_20190511T190607_20190511T190651_C001  CS_OFFL_SIR_FDM_2_20190511T123653_20190511T20207_C001  CS_OFFL_SIR_FDM_2_20190511T23653_20190511T22027_C001  CS_OFFL_SIR_FDM_2_20190511T23542_20190511T225821_C001  CS_OFFL_SIR_FDM_2_20190511T235552_20190511T25821_C001  CS_OFFL_SIR_FDM_2_20190511T235552_20190511T233130_C001  CS_OFFL_SIR_FDM_2_20190511T235552_20190511T233130_C001  CS_OFFL_SIR_FDM_2_20190511T235552_20190511T233333_C001  CS_OFFL_SIR_FDM_2_20190511T235552_20190511T233333_C001  CS_OFFL_SIR_FDM_2_20190511T235552_20190511T233333_C001  CS_OFFL_SIR_FDM_2_20190511T235552_20190511T233333_C001  CS_OFFL_SIR_FDM_2_20190	CS_OFFL_SIR_FDM_220190511T103708_20190511T103755_C001	Wind Speed	Correction for one or more records
Wind Speed  CS_OFFL_SIR_FDM_2_20190511T123737_20190511T124908_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  CS_OFFL_SIR_FDM_2_20190511T160556_20190511T170719_C001  CS_OFFL_SIR_FDM_2_20190511T173835_20190511T180437_C001  CS_OFFL_SIR_FDM_2_20190511T183509_20190511T180437_C001  CS_OFFL_SIR_FDM_2_20190511T183509_20190511T180437_C001  CS_OFFL_SIR_FDM_2_20190511T19350_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is a	CS_OFFL_SIR_FDM_220190511T105522_20190511T112716_C001	Wind Speed	Correction for one or more records
Wind Speed  CS_OFFL_SIR_FDM_2_20190511T123132_20190511T135134_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20190511T152317_20190511T152610_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  CS_OFFL_SIR_FDM_2_20190511T160013_20190511T162423_C001  CS_OFFL_SIR_FDM_2_20190511T16556_20190511T170719_C001  CS_OFFL_SIR_FDM_2_20190511T16556_20190511T180437_C001  CS_OFFL_SIR_FDM_2_20190511T183509_20190511T180437_C001  CS_OFFL_SIR_FDM_2_20190511T183509_20190511T185305_C001  CS_OFFL_SIR_FDM_2_20190511T190607_20190511T190651_C001  CS_OFFL_SIR_FDM_2_20190511T19738_20190511T190651_C001  CS_OFFL_SIR_FDM_2_20190511T19738_20190511T190651_C001  CS_OFFL_SIR_FDM_2_20190511T19738_20190511T190651_C001  CS_OFFL_SIR_FDM_2_20190511T193653_20190511T1221027_C001  CS_OFFL_SIR_FDM_2_20190511T1223542_20190511T1221027_C001  CS_OFFL_SIR_FDM_2_20190511T1223542_20190511T1221027_C001  CS_OFFL_SIR_FDM_2_20190511T1223542_20190511T1223310_C001  CS_OFFL_SIR_FDM_2_20190511T1223555_20190511T223310_C001  CS_OFFL_SIR_FDM_2_20190511T123355_20190511T233330_C001  CS_OFFL_SIR_FDM_2_20190511T123355_20190511T233330_C001  CS_OFFL_SIR_FDM_2_20190511T123355_20190511T233330_C001  CS_OFFL_SIR_FDM_2_20190511T123355_20190511T233330_C001  CS_OFFL_SIR_FDM_2_20190511T123355_20190511T233330_C001  CS_OFFL_SIR_FDM_2_20190511T123355_20190511T233330_C001  CS_OFFL_SIR_FDM_2_20190511T123355_20190511T233330_C001  CS_OFFL_SIR_FDM_2_20190511T23355_20190511T233330_C001  CS_OFFL_SIR_FDM_2_20190511T23355_20190511T233330_C001  CS_OFFL_SIR_FDM_2_20190511T23355_20190511T2333330_C001  CS_OFFL_SIR_FDM_2_20190511T23355_20190511T2333330_C001  CS_OFFL_SIR_FDM_2_20190511T23355_20190511T2333330_C001  CS_OFFL_SIR_FDM_2_20190511T23355_20190511T2333330_C001  CS_OFFL_SIR_FDM_2_20190511T23355_20190511T2333330_C001  CS_OFFL_SIR_FDM_2_20190511T333355_20190511T2333330_C001  CS_OFFL_SIR_FDM_2_20190511T233555_20190511T2333330_C001  CS_OFFL_SIR_FDM_2_20190511T33335	CS_OFFL_SIR_FDM_220190511T114545_20190511T115815_C001	Wind Speed	Correction for one or more records
Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  CS_OFFL_SIR_FDM_2_20190511T165556_20190511T180437_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  CS_OFFL_SIR_FDM_2_20190511T183509_20190511T185305_C001 Sea State Bias Correction  CS_OFFL_SIR_FDM_2_20190511T190607_20190511T190651_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  CS_OFFL_SIR_FDM_2_20190511T191738_20190511T191913_C001 Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20190511T23653_20190511T221027_C001 Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20190511T23552_20190511T225821_C001 Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20190511T23555_20190511T23130_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  CS_OFFL_SIR_FDM_2_20190511T23555_20190511T233130_C001 Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20190511T23555_20190511T233130_C001 Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20190511T23355_20190511T233130_C001 Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20190511T23355_20190511T233130_C001 Sea State Bias Co	CS_OFFL_SIR_FDM_220190511T123737_20190511T124908_C001		Correction for one or more records
Wind Speed  CS_OFFL_SIR_FDM_2_20190511T152317_20190511T152610_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  Th	CS_OFFL_SIR_FDM_220190511T125112_20190511T130610_C001		records
Wind Speed  CS_OFFL_SIR_FDM_2_20190511T162013_20190511T162423_C001  Wind Speed  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Sea State Bias Correction for one or more records  There is an error with the Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind	CS_OFFL_SIR_FDM_220190511T133941_20190511T135134_C001	Wind Speed	Correction for one or more records
Wind Speed  CS_OFFL_SIR_FDM_2_20190511T165556_20190511T170719_C001  Wind Speed  CS_OFFL_SIR_FDM_2_20190511T173835_20190511T170719_C001  Wind Speed  CS_OFFL_SIR_FDM_2_20190511T173835_20190511T180437_C001  CS_OFFL_SIR_FDM_2_20190511T183509_20190511T185305_C001  CS_OFFL_SIR_FDM_2_20190511T190607_20190511T190651_C001  CS_OFFL_SIR_FDM_2_20190511T190607_20190511T190651_C001  CS_OFFL_SIR_FDM_2_20190511T191738_20190511T190651_C001  CS_OFFL_SIR_FDM_2_20190511T191738_20190511T191913_C001  CS_OFFL_SIR_FDM_2_20190511T191738_20190511T191913_C001  CS_OFFL_SIR_FDM_2_20190511T23653_20190511T221027_C001  CS_OFFL_SIR_FDM_2_20190511T23653_20190511T225821_C001  CS_OFFL_SIR_FDM_2_20190511T233515_20190511T225821_C001  CS_OFFL_SIR_FDM_2_20190511T233555_20190511T233130_C001  Wind Speed  Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed  Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20190511T23653_20190511T221027_C001  CS_OFFL_SIR_FDM_2_20190511T233542_20190511T233130_C001  CS_OFFL_SIR_FDM_2_20190511T233555_20190511T233130_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more re	CS_OFFL_SIR_FDM_220190511T152317_20190511T152610_C001	Wind Speed	Correction for one or more records
Wind Speed  Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias  Correction, Altimetric  Wind Speed  Correction, Altimetric  Wind Speed  Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias  Correction for one or more records  There is an error with the Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias  Correction, Altimetric  Wind Speed  Correction, Altimetric  Wind Speed  Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias  Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias  Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias  Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias  Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias  Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias  Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias  Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias  Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias  Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias  Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias  Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias  Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias  Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias  Correction for one or more	CS_OFFL_SIR_FDM_220190511T160013_20190511T162423_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_2_20190511T183509_20190511T185305_C001  Sea State Bias Correction  Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20190511T190607_20190511T190651_C001  Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20190511T191738_20190511T191913_C001  Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20190511T213653_20190511T221027_C001  Sea State Bias Correction  Sea State Bias Correction  Sea State Bias Correction  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_20190511T213653_20190511T221027_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Sate Bias Correction for one or more records  There is an error with the Sate Bias Correction for one or more records  There is an error with the Sate Bias Correction for one or more records  There is an error with the Sate Bias Correction for one or more records  There is an error with the Sate Bias Correction for one or more records	CS_OFFL_SIR_FDM_220190511T165556_20190511T170719_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_2_20190511T190607_20190511T190651_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric	CS_OFFL_SIR_FDM_220190511T173835_20190511T180437_C001		Correction for one or more records
Wind Speed  Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias  Correction, Altimetric Wind Speed  Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed  Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed  Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Sea State Bias Correction for one or more records  There is an error with the Sea State Bias Correction for one or more records  There is an error with the Sea State Bias Correction for one or more records  There is an error with the Sea State Bias Correction for one or more records	CS_OFFL_SIR_FDM_220190511T183509_20190511T185305_C001		records
CS_OFFL_SIR_FDM_2_201905111191/38_201905111721027_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  CS_OFFL_SIR_FDM_2_20190511T23542_20190511T235130_C001  Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records			Correction for one or more records
CS_OFFL_SIR_FDM_2_201905111213653_201905111221027_C001  Wind Speed  CS_OFFL_SIR_FDM_2_201905117223542_201905117225821_C001  Wind Speed  Sea State Bias Correction, Altimetric Wind Speed  Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias  Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias  Correction for one or more records  Sea State Bias Correction, Altimetric Wind Speed  CS_OFFL_SIR_FDM_2_201905117233515_201905117233130_C001  Sea State Bias Correction, Altimetric Wind Speed  Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias  Correction for one or more records  There is an error with the Sea State Bias Correction for one or more records  There is an error with the Sea State Bias Correction for one or more records  There is an error with the Sea State Bias Correction for one or more records  There is an error with the Sea State Bias Correction for one or more records  There is an error with the Sea State Bias Correction for one or more records  There is an error with the Sea State Bias Correction for one or more records  There is an error with the Sea State Bias Correction for one or more records	CS_OFFL_SIR_FDM_220190511T191738_20190511T191913_C001		records
CS_OFFL_SIR_FDM_2_201905111223542_201905111223621_C001  Wind Speed  Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias  Correction for one or more records  There is an error with the Altimetric Wind Speed and Sea State Bias  Correction for one or more records  There is an error with the Sea State Bias Correction for one or more records  There is an error with the Sea State Bias Correction for one or more	CS_OFFL_SIR_FDM_220190511T213653_20190511T221027_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_2_201905111232515_201905111233130_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_220190511T223542_20190511T225821_C001	Wind Speed	Correction for one or more records
CS OFFE SIR FDM 2 201905111233855 201905111234833 CD01 Sea State Bias Correction	CS_OFFL_SIR_FDM_220190511T232515_20190511T233130_C001		Correction for one or more records
	CS_OFFL_SIR_FDM_220190511T233855_20190511T234833_C001	Sea State Bias Correction	

### 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_220190511T053107_20190511T053822_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220190511T071449_20190511T071552_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220190511T084235_20190511T084650_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220190511T085355_20190511T085521_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220190511T103436_20190511T103708_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220190511T172829_20190511T173356_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo

#### 6.6 L2 FDM Range Measurement Check

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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:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_2_20190511T000738_20190511T003615_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_20190511T024834_20190511T031211_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_20190511T050552_20190511T053057_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_20190511T070849_20190511T071024_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_20190511T073508_20190511T080851_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_20190511T083625_20190511T084201_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_20190511T092635_20190511T094800_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_20190511T101511_20190511T102413_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_20190511T105522_20190511T112716_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_20190511T114545_20190511T115815_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_20190511T123737_20190511T124908_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_20190511T133941_20190511T135134_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_20190511T152317_20190511T152610_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_220190511T165556_20190511T170719_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_220190511T173835_20190511T180437_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_220190511T213653_20190511T221027_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_220190511T223542_20190511T225821_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_220190511T232515_20190511T233130_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: 18

Product	Test Failed	Description
CS_OFFL_SIR_FDM_2_20190511T000738_20190511T003615_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_20190511T024834_20190511T031211_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_20190511T050552_20190511T053057_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_20190511T070849_20190511T071024_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_220190511T073508_20190511T080851_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_20190511T083625_20190511T084201_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_20190511T092635_20190511T094800_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_20190511T101511_20190511T102413_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_20190511T105522_20190511T112716_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_20190511T114545_20190511T115815_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_20190511T123737_20190511T124908_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_20190511T133941_20190511T135134_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.

	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_220190511T165556_20190511T170719_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.
	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_220190511T213653_20190511T221027_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.
		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_220190511T232515_20190511T233130_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.

Description

## 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.

Test Failed

Number of products with errors:

Product

Product	Test Falled	Description
CS_OFFL_SIR_FDM_220190511T000738_20190511T003615_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_220190511T005758_20190511T011344_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_220190511T014714_20190511T020130_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_220190511T020310_20190511T020553_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_220190511T024001_20190511T024633_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_220190511T024834_20190511T031211_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 _20190511T041710_20190511T045100_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_220190511T050552_20190511T053057_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
CS OFFL SIR FDM 2 20190511T055849 20190511T061339 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
CS_OFFL_SIR_FDM_220190511T065210_20190511T070001_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
CS_OFFL_SIR_FDM_220190511T070849_20190511T071024_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
CS_OFFL_SIR_FDM_220190511T073508_20190511T080851_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
CS_OFFL_SIR_FDM_220190511T082742_20190511T083148_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
CS_OFFL_SIR_FDM_220190511T083210_20190511T083622_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
CS_OFFL_SIR_FDM_220190511T083625_20190511T084201_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
CS_OFFL_SIR_FDM_220190511T091505_20190511T092349_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
CS_OFFL_SIR_FDM_220190511T092635_20190511T094800_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
CS_OFFL_SIR_FDM_220190511T101511_20190511T102413_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220190511T102509_20190511T102914_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_220190511T105522_20190511T112716_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_220190511T114545_20190511T115815_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_220190511T123737_20190511T124908_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_220190511T125112_20190511T130610_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_220190511T133941_20190511T135134_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_220190511T143034_20190511T144521_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_220190511T145950_20190511T152314_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_220190511T152317_20190511T152610_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_220190511T160013_20190511T162423_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_220190511T163856_20190511T165350_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_20190511T165556_20190511T170719_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_220190511T173835_20190511T180437_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
CS OFFL SIR FDM 2 20190511T181838 20190511T182934 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
CS_OFFL_SIR_FDM_220190511T183509_20190511T185305_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
CS_OFFL_SIR_FDM_220190511T191738_20190511T191913_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
	Ocean Retracking Quality Flag  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
CS_OFFL_SIR_FDM_2_20190511T195811_20190511T203131_C001		Retracker was not successfully executed for one or more records.  The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_2_20190511T213653_20190511T221027_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
CS_OFFL_SIR_FDM_220190511T223542_20190511T225821_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
CS_OFFL_SIR_FDM_220190511T231704_20190511T232511_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
CS_OFFL_SIR_FDM_220190511T232515_20190511T233130_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.

Ocean Retracking Quality Flag

The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.

## 7. QCC Report Analysis

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

Product type	Nb. Products	Nb. QCC Reports	Nb. Valid	Nb. Warnings	Nb. Errors
SIR1LRM_0_	152	152	152	0	0
SIR1SAR_0_	120	120	120	0	0
SIR1SIN_0_	103	103	103	0	0
SIR2SIN_0_	108	108	108	0	0
SIR_FDM_1B	152	152	152	0	0
SIR FDM 2	150	150	150	0	0

SII\_I DIVI_Z	130	130	130	U	U
		•	· · · · · · · · · · · · · · · · · · ·	·	·
7.1 QCC Errors					
Number of QCC reports with errors:	0	)			
7.2 QCC Warnings					
Number of QCC reports with warning	<b>s</b> 0				
7.3 Missing QCC Reports					
Number of products with missing QC	C reports: 0				