

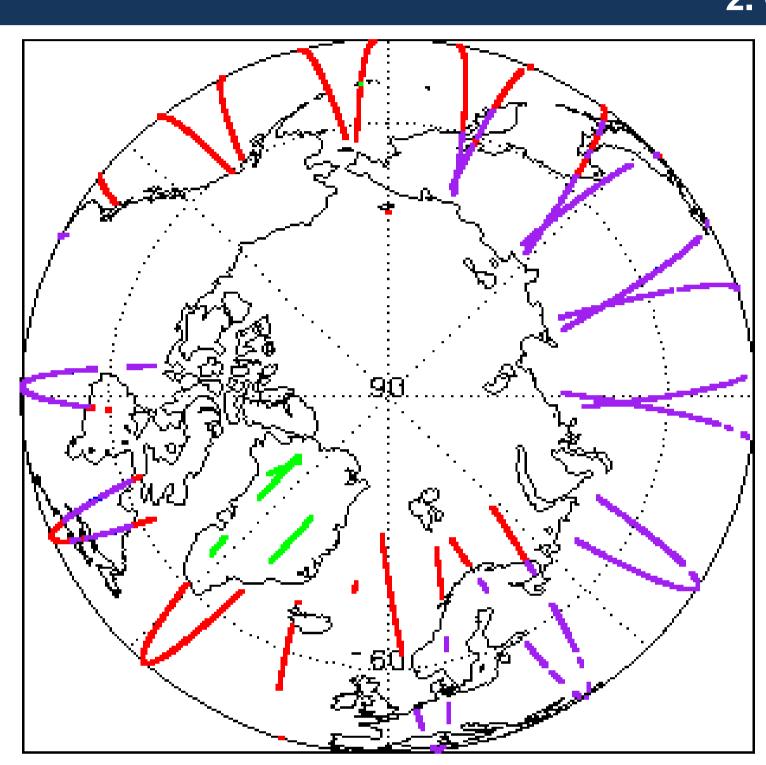
1. Overview

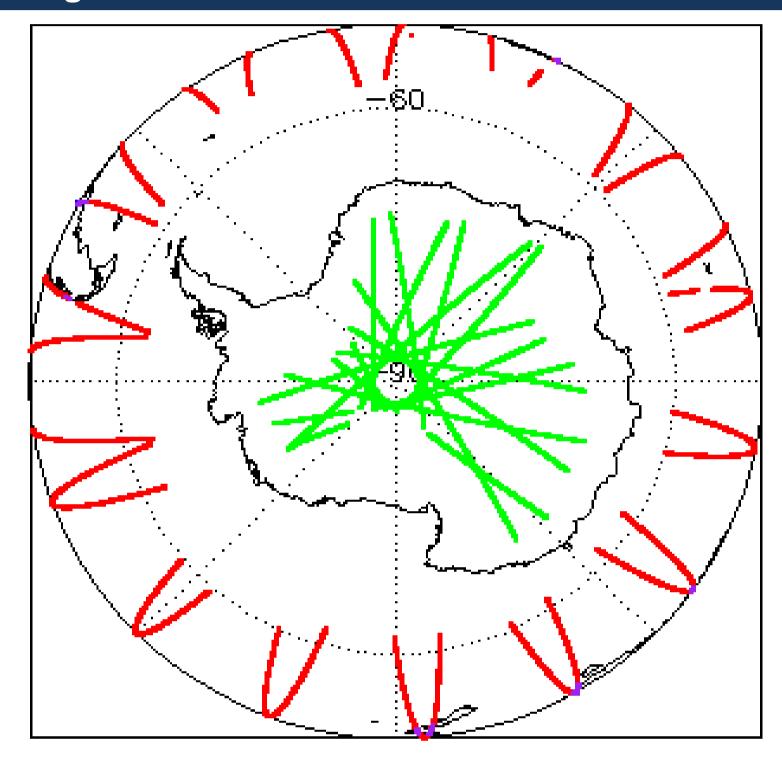
Report Production Date:	07-Dec-2020
Processor Used:	CryoSat Ice Processor
Data Haadi	L1 and L2 Fast Delivery Marine (FDM)
Data Used:	Mode and L0 Data

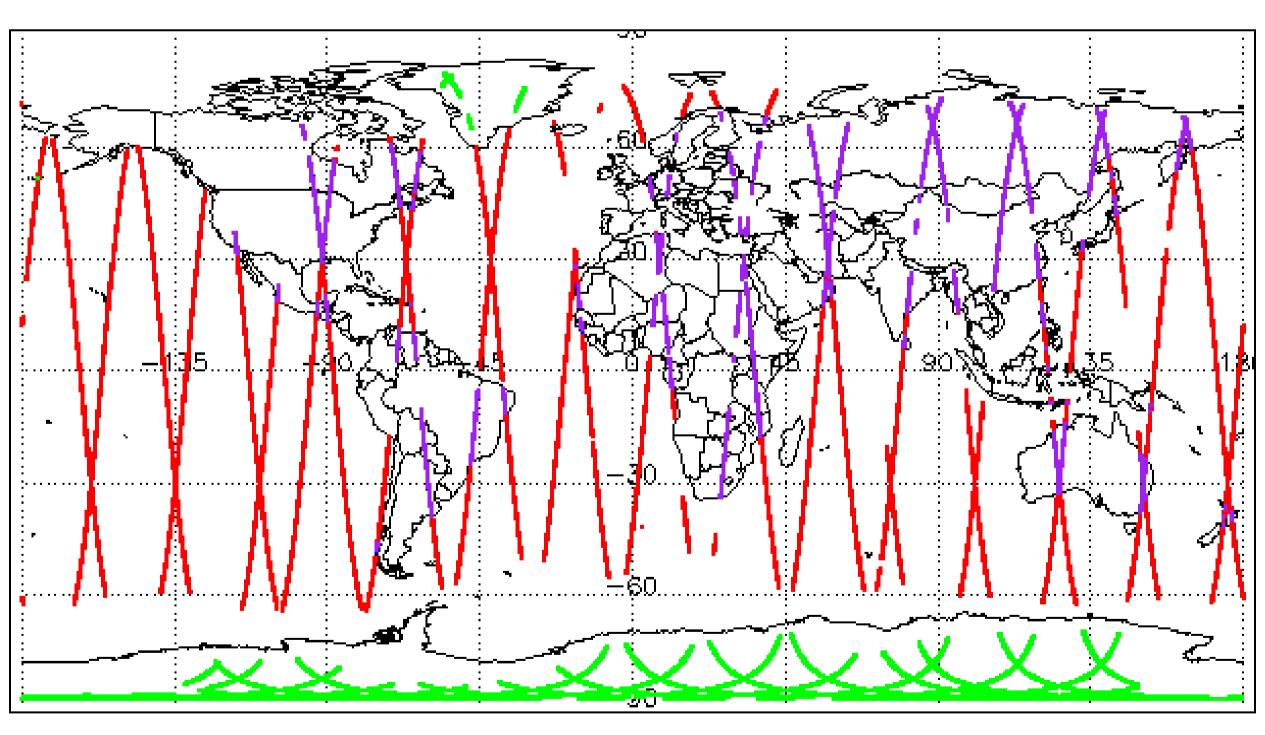
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	See Section 5.3
Calibration Usage Check	Nominal
Auxiliary Data File Usage Check	See Section 5.5 and 6.3
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
QCC Error/ Warning Check	See Section 7.1 and 7.2

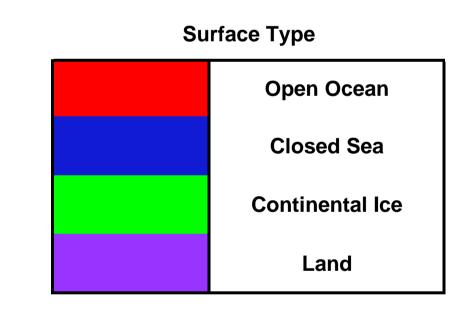
Mission / Instrument News		
04-Dec-2020	SIRAL Unavailability due to MMFU recovery on 04/12/2020 from 13:46:30 to 14:02:00	
05-Dec-2020	None	
06-Dec-2020	AUX files delays due to SSALTO processing anomaly	

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:

20

Product	Test Failed
CS_OPER_SIR1LRM_020201205T030757_20201205T034133_0001.DBL	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020201205T061629_20201205T062406_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020201205T081029_20201205T081225_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020201205T093439_20201205T094132_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020201205T095629_20201205T100331_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020201205T125038_20201205T125831_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020201205T133610_20201205T133755_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020201205T160542_20201205T161440_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020201205T175811_20201205T180842_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020201205T183125_20201205T183824_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020201205T190715_20201205T191155_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020201205T201230_20201205T201657_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020201205T204422_20201205T204623_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020201205T071025_20201205T071212_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020201205T151803_20201205T151922_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020201205T170350_20201205T170705_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SIN_020201205T225206_20201205T225755_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020201205T012329_20201205T013139_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020201205T092857_20201205T093200_0001.HDR	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OPER_SIR2SIN_020201205T142601_20201205T142714_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: 18

Product	Test Failed
CS_OFFL_SIR_FDM_1B_20201205T010442_20201205T0111112_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20201205T011112_20201205T011333_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20201205T024739_20201205T024842_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20201205T024842_20201205T024843_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20201205T042647_20201205T042810_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20201205T060744_20201205T060959_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20201205T060959_20201205T061046_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20201205T113311_20201205T115419_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20201205T115508_20201205T115638_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20201205T120131_20201205T120505_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20201205T120513_20201205T120522_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20201205T120528_20201205T120855_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20201205T121238_20201205T123953_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20201205T123955_20201205T124006_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20201205T124009_20201205T124011_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20201205T124013_20201205T124018_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20201205T124021_20201205T124023_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_1B_20201205T124026_20201205T124027_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).

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.

Product	Test Failed
CS_OFFL_SIR_FDM_1B_20201205T010442_20201205T011112_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20201205T024739_20201205T024842_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20201205T042647_20201205T042810_C001	No Star Tracker file used in the processing of this product
CS_OFFL_SIR_FDM_1B_20201205T060744_20201205T060959_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_20201205T010442_20201205T011112_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20201205T024739_20201205T024842_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20201205T042647_20201205T042810_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20201205T060744_20201205T060959_C001	Attitude correction missing	The attitude has not been corrected

6. Level 2 FDM Data Quality Check

6.1 L2 FDM Product Format Check

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

Number of products with errors:

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: 20

Product	Test Failed
CS_OFFL_SIR_FDM_220201205T010153_20201205T010329_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220201205T010442_20201205T0111112_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220201205T011112_20201205T011333_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220201205T024739_20201205T024842_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220201205T042647_20201205T042810_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220201205T060744_20201205T060959_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220201205T060959_20201205T061046_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220201205T113311_20201205T115419_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220201205T115508_20201205T115638_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220201205T120131_20201205T120505_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220201205T120513_20201205T120522_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220201205T120528_20201205T120855_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220201205T121238_20201205T123953_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220201205T123955_20201205T124006_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220201205T124009_20201205T124011_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220201205T124013_20201205T124018_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220201205T124021_20201205T124023_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220201205T131132_20201205T131145_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220201205T192430_20201205T192448_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).
CS_OFFL_SIR_FDM_220201205T223835_20201205T223916_C001.DBL	FOS Predicted Orbit (MPL_ORBPRE) used instead of the DORIS Navigator Orbit (DOR_NAV).

6.3 L2 FDM Auxiliary Data File Usage Check

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

Number of products with errors:

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.

Product	Test Failed	Description
CS OFFE SIR FDM 2 202012051003924 202012051010150 C001		There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220201205T021844_20201205T022447_C001	·	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
CS_OFFL_SIR_FDM_220201205T022456_20201205T023246_C001	Sea State Bias Correction	There is an error with the Sea State Bias Correction for one or more records

Compliance of 2 (2000/2007/2007/2007/2007/2007/2007/2007	CS OFFI SIR FDM 2 20201205T024120 20201205T024214 C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
Co. C. P. Sell J. P. M. 2. 2000 2010 0000 2010 000000 2010 000000 2010 000000 2010 000000 2010 000000 2010 00000 2010 00000 2010 00000 2010 00000 2010 00000 2010 00000 2010 00000 2010 000	CS_OFFL_SIR_FDM_220201205T024139_20201205T024314_C001	·	
Value Valu	CS_OFFL_SIR_FDM_2202012051030757_202012051034133_C001	Wind Speed	Correction for one or more records
Comprison Fig. Comprison	CS_OFFL_SIR_FDM_220201205T041032_20201205T041452_C001	Wind Speed	Correction for one or more records
Control, and the second process of the secon	CS_OFFL_SIR_FDM_220201205T043105_20201205T043506_C001	Wind Speed	Correction for one or more records
Sec. OFFL. SIMPLEAD_ADDITIONATION CONTRIBUTION CONTRIBUTI	CS_OFFL_SIR_FDM_220201205T044620_20201205T045641_C001	·	·
28 OFF. 38 PM 2 20001257 305007 20001257 105000 20001257 10500	CS_OFFL_SIR_FDM_220201205T045927_20201205T052042_C001		·
So Office Bill (1994) 2, 20021 200710000124, 20021 2007100000124, 20021 200710000000124, 20021 200710000000000000000000000000000	CS_OFFL_SIR_FDM_220201205T054825_20201205T055705_C001	•	•
Co. OFF., S. P. DM. 2. 20001267000245, 20001267000200, CO. OFF. S. P. P. M. P. 2. 20001267000245, 20001267000200, CO. OFF. S. P. P. M. P. 3. 20001267000200, 20001267000200, CO. OFF. S. P. M. P. 3. 20001267000200, 20001267000200, CO. OFF. S. P	CS_OFFL_SIR_FDM_220201205T055802_20201205T060206_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
So. OFFIL. BR. TIDV. 2_100012057012977. 200120570102010_0011 So. OFFIL. BR. TIDV. 2_100012057012977. 200120570102907. 0011 So. OFFIL. BR. TIDV. 2_100012057012977. 200120570102907. 0011 So. OFFIL. BR. TIDV. 2_100012057012977. 200120570102907. 0011 So. OFFIL. BR. TIDV. 2_10001205701297. 200120570102917. 0011 So. OFFIL. BR. TIDV. 2_10001205701297. 200120570102917. 0011 So. OFFIL. BR. TIDV. 2_100012057010291. 20012057010291.	CS_OFFL_SIR_FDM_220201205T060744_20201205T060959_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
SO PH SR HOW 7 20001001 (00077 70001001001 (00077 70001001 (00077 70001001 (00077 70001001 (00077 70001001 (00077 70001001 (00	CS OFFL SIR FDM 2 20201205T062454 20201205T062620 C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
See State Bas Correction, Allivered Control of See State Bas Correction,	CS OFFL SIR FDM 2 20201205T062727 20201205T063209 C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
SOFFLERIFINAL 2 - 2021/2017/01/1944 2 - 2021		·	
See Size Bits Corrector. Altrendit. CR. OFFL Bit FDM 2. 2020/126/T080454. 2020/126/T080540 COID See Size Bits Corrector. Altrendit. Wind Stand See Size Bits Corrector. Altrendit. See Size Bits Corrector. Al		•	
CS_OFFL_SR_FDM_2_2020120T106074_2020		·	
Consellation for one or none records Sofficially Fight 2 - 20201205100010, 20201205100002, 20201 Sofficially Fight 2 - 20201205100010, 20201205100002, 20201 Sofficially Fight 3 - 20201205100010, 20201205100002, 20201 Sofficially Fight 3 - 20201205100010, 20201205100002, 20201 Sofficially Fight 3 - 20201205100010, 20201205100002, 20201205100002, 202012051000002, 202012051000000000000000000000000000000		Wind Speed	Correction for one or more records
CS OFFL SIR FDM 2 2007/2557080691 2002/1257080692 COO1 SIR SIR FDM 2 2007/2557080692 2002/1257080692 COO1 SIR SIR FDM 2 2007/2557080692 2002/1257080692 COO1 SIR SIR FDM 2 2007/2557080692 2002/1257080798, COO1 SIR SIR FDM 2 2007/2557080932 2002/1257080930, COO1 SIR SIR FDM 2 2007/2557080932 2002/1257080930, COO1 SIR SIR FDM 2 2007/2557080932 2002/1257080940, COO1 SIR SIR FDM 2 2007/2557080932 2002/1257080940, COO1 SIR SIR FDM 2 2007/255708093 2002/1257080940, COO1 SIR SIR FDM 2 2007/255708093 2002/1257080940, COO1 SIR SIR FDM 2 2007/2557108092 2002/125709409, COO1 SIR SIR FDM 2 2007/2557108092 2002/125712585 COO1 SIR SIR FDM 2 2007/2557108092 2002/125712585 COO1 SIR SIR FDM 2 2007/2557108092 2002/125712585 COO1 SIR SIR FDM 2 2007/2557108092 2002/125712595 COO1 SIR SIR FDM 2 2007/2557109094 2002/125712595 COO1 SIR SIR FDM 2 2007/2557109094 2002/125712595 COO1 SIR SIR FDM 2 2007/2557109094 2002/125719094 2007/2557109094 2009/125719094 2009/1	CS_OFFL_SIR_FDM_220201205T080434_20201205T080507_C001	Wind Speed	Correction for one or more records
SOFFL SIR FDM 2 2001205T08094 2001205T08074 2001 Sor Sir Sir Sin Sir Sin	CS_OFFL_SIR_FDM_220201205T080510_20201205T080512_C001	Wind Speed	Correction for one or more records
So.FFL.SR.FDM.2_20201205T089842_0001205T0894	CS_OFFL_SIR_FDM_220201205T080601_20201205T080602_C001	·	·
GS_OFFL_SIR_FDM_2_20031025T082407_20031025T0803912_C0001 GS_OFFL_SIR_FDM_2_20031025T082407_20031025T0803912_C0001 GS_OFFL_SIR_FDM_2_20031025T082407_20031025T0803912_C0001 GS_OFFL_SIR_FDM_2_20031025T082407_20031025T0803912_C0001 GS_OFFL_SIR_FDM_2_20031025T082407_20031025T082402_C0001 GS_OFFL_SIR_FDM_2_20031025T082407_20031025T1083912_C0001 GS_OFFL_SIR_FDM_2_20031025T103321_20031025T1083915_C0001 GS_OFFL_SIR_FDM_2_20031025T103321_20031025T1033912_C0001 GS_OFFL_SIR_FDM_2_20031025T13131_20031025T1104915_C0001 GS_OFFL_SIR_FDM_2_20031025T13131_20031025T130554_C0001 GS_OFFL_SIR_FDM_2_20031025T13131_20031025T130554_C0001 GS_OFFL_SIR_FDM_2_20031025T13135_20031025T130540_C0001 GS_OFFL_SIR_FDM_2_20031025T13135_20031025T130540_C0001 GS_OFFL_SIR_FDM_2_20031025T13135_20031025T130540_C0001 GS_OFFL_SIR_FDM_2_20031025T13135_20031025T130540_C0001 GS_OFFL_SIR_FDM_2_20031025T13135_20031025T130540_C0001 GS_OFFL_SIR_FDM_2_20031025T13135_20031025T130540_C0001 GS_OFFL_SIR_FDM_2_20031025T13135_20031025T130540_C0001 GS_OFFL_SIR_FDM_2_20031025T13135_20031025T130540_C0001 GS_OFFL_SIR_FDM_2_20031025T130540_C0001 GS_OFFL_SIR_FDM_2_20031025T13050_C0001025T054042_C0001 GS_OFFL_SIR_FDM_2_20031025T13050_C0001025T054042_C0001 GS_OFFL_SIR_FDM_2_20031025T030540_C0001 GS_OFFL_SIR_FDM_2_20031025T030540_	CS_OFFL_SIR_FDM_220201205T080615_20201205T080623_C001		·
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Sea State Bas Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records. Sea State Bas 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 Bas 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 Bas Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records. Sea State Bas Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records. Sea State Bas Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records. Sea State Bas Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records. Sea State Bas Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records. Sea State Bas Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records. Sea State Bas Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records. Sea State Bas Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records. Sea State Bas Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records. Sea State Bas Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records. Sea Sta	CS_OFFL_SIR_FDM_220201205T080742_20201205T080748_C001	·	·
Se State Bias Correction Sea State Bias Correction Sea State Bias Correction Sea State Bias Correction, Allimetric Wind Spoed Sea State Bias Correction, Allimetric Sea State Bias Correction Sea State Bias Correction Sea State Bias Correction S	CS_OFFL_SIR_FDM_220201205T081226_20201205T082203_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
Sea State Bias Correction, Altimetric CS_OFFL_SIR_FDM_2_20201205T103321_20201205T105915_C001 CS_OFFL_SIR_FDM_2_20201205T103321_20201205T105915_C001 CS_OFFL_SIR_FDM_2_20201205T113311_20201205T115419_C001 CS_OFFL_SIR_FDM_2_20201205T113311_20201205T115419_C001 CS_OFFL_SIR_FDM_2_20201205T123365_C001 CS_OFFL_SIR_FDM_2_20201205T133554_C001 CS_OFFL_SIR_FDM_2_20201205T133554_C001 CS_OFFL_SIR_FDM_2_20201205T133507_20201205T142601_C001 CS_OFFL_SIR_FDM_2_20201205T133507_20201205T142601_C001 CS_OFFL_SIR_FDM_2_20201205T145036_20201205T145201_C001 CS_OFFL_SIR_FDM_2_20201205T145036_20201205T14552001 CS_OFFL_SIR_FDM_2_20201205T105042_20201205T135554_C001 CS_OFFL_SIR_FDM_2_20201205T105042_20201205T204442_2001 CS_OFFL_SIR_FDM_2_20201205T204402_20201205T204442_2001 CS_OFFL_SIR_FDM_2_20201205T204402_2020120	CS_OFFL_SIR_FDM_220201205T082407_20201205T083912_C001		There is an error with the Sea State Bias Correction for one or more
Sas State Bias Correction, Attimetric Wind Speed CS OFFL SIR FDM. 2 _ 20201205T113311 _ 20201205T115319 _ 20201205T12385	CS_OFFL_SIR_FDM_220201205T091236_20201205T092640_C001	•	There is an error with the Altimetric Wind Speed and Sea State Bias
So OFFL SIR FDM 2 20201205T113311 20201205T213953 C001 So OFFL SIR FDM 2 20201205T12138_20201205T39553 C001 So OFFL SIR FDM 2 20201205T31153_20201205T39554 C001 So OFFL SIR FDM 2 20201205T31153_20201205T39554 C001 So OFFL SIR FDM 2 20201205T315507_20201205T145281_C001 So OFFL SIR FDM 2 20201205T315507_20201205T145281_C001 So OFFL SIR FDM 2 20201205T135507_20201205T145281_C001 So OFFL SIR FDM 2 20201205T135507_20201205T145281_C001 So OFFL SIR FDM 2 20201205T135507_20201205T145281_C001 So OFFL SIR FDM 2 20201205T145038_20201205T145281_C001 So OFFL SIR FDM 2 20201205T150507_20201205T160542_C001 So OFFL SIR FDM 2 20201205T160542_C001 So OFFL SIR FDM 2 20201205T190642_20201205T160542_C001 So OFFL SIR FDM 2 20201205T190642_20201205T160542_C001 So OFFL SIR FDM 2 20201205T190642_20201205T190241_C001 So OFFL SIR FDM 2 20201205T190642_20201205T190244_C001 So OFFL SIR FDM 2 20201205T190642_20201205T190244_C001 So OFFL SIR FDM 2 20201205T191156_20201205T190244_C001 So OFFL SIR FDM 2 20201205T191156_20201205T190244_C001 So OFFL SIR FDM 2 20201205T191156_20201205T190264_C001 So OFFL SIR FDM 2 20201205T191156_20201205T204422_C001 So OFFL SIR FDM 2 20201205T204402_20201205T20455_C001 So OFFL SIR FDM 2 20201205T204623_20201205T204422_C001 So OFFL SIR FDM 2 20201205T204623_20201205T20455_C001 So OFFL SIR FDM 2 20201205T204623_20201205T204623_C001205T204422_C001 So OFFL SIR FDM 2 20201205T204623_20201205T204622_C001 So OFFL SIR FDM 2 20201205T204623_20201205T204623_C00120	CS OFFL SIR FDM 2 20201205T103321 20201205T105915 C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
So OFFL SIR FDM 2 20201205T121283 20201205T12953. CO01 So OFFL SIR FDM 2 20201205T13153 20201205T133554. CO01 So OFFL SIR FDM 2 20201205T13153 20201205T133554. CO01 So OFFL SIR FDM 2 20201205T135307 20201205T145036 20201205T20440 2020120		Sea State Bias Correction, Mean Sea	There is an error with the Altimetric Wind Speed, the Sea State Bias
So SFFL SIR FDM 2 20201205T13153 20201205T142601 C001 CS OFFL SIR FDM 2 20201205T135307 20201205T142601 C001 CS OFFL SIR FDM 2 20201205T14503 20201205T142601 C001 CS OFFL SIR FDM 2 20201205T14503 20201205T145207 C001 CS OFFL SIR FDM 2 20201205T14503 20201205T14521 C001 CS OFFL SIR FDM 2 20201205T171041 20201205T170542 C001 CS OFFL SIR FDM 2 20201205T180842 20201205T193125 C001 CS OFFL SIR FDM 2 20201205T191166 20201205T19041 L C001 CS OFFL SIR FDM 2 20201205T191166 20201205T19041 C001 CS OFFL SIR FDM 2 20201205T191166 20201205T19041 C001 CS OFFL SIR FDM 2 20201205T191166 20201205T19041 C001 CS OFFL SIR FDM 2 20201205T191156 20201205T19041 C001 CS OFFL SIR FDM 2 20201205T191166 20201205T19041 C001 CS OFFL SIR FDM 2 20201205T204915 C001 CS OFFL SIR FDM 2 20201205T204955 C001 CS OFFL SIR FDM 2 20201205T204955 C001 CS OFFL SIR FDM 2 20201205T204955 C001 CS OFFL SIR FDM 2 20201205T204959 20201205T24495 C001 CS OFFL SIR FDM 2 20201205T204959 20201205T24955 C001 CS OFFL SIR FDM 2 20201205T204965 20201205T24955 C001 CS OFFL SIR FDM 2 20201205T24046 20201205T24915 C001 CS OFFL SIR FDM 2 20201205T24046 20201205T224915 C001 CS OFFL SIR FDM 2 20201205T24046 20201205T224935 C001 CS OFFL SIR FDM 2 20201205T24046 20201205T230642 C001 CS OFFL SIR FDM 2 20201205T23060 20201205T2			-
Sas State Bias Correction, Altimetric Wind Speed and Sas State Bias Correction for one or more records Sas State Bias Correction, Altimetric Wind Speed and Sas State Bias Correction for one or more records Sas State Bias Correction, Altimetric Wind Speed and Sas State Bias Correction for one or more records Sas State Bias Correction, Altimetric Wind Speed and Sas State Bias Correction for one or more records Sas State Bias Correction, Altimetric Wind Speed and Sas State Bias Correction for one or more records Sas State Bias Correction, Altimetric Wind Speed and Sas State Bias Correction for one or more records Sas State Bias Correction, Altimetric Wind Speed and Sas State Bias Correction for one or more records Sas State Bias Correction, Altimetric Wind Speed and Sas State Bias Correction for one or more records Sas State Bias Correction, Altimetric Wind Speed and Sas State Bias Correction for one or more records Sas State Bias Correction, Altimetric Wind Speed and Sas State Bias Correction for one or more records Sas State Bias Correction, Altimetric Wind Speed Sas State Bias Correction, Altimetric Wind Speed and Sas State Bias Correction for one or more records Sas State Bias Correction for one or more records Sas State Bias Correction, Altimetric Wind Speed and Sas State Bias Correction for one or more records Sas State Bias Correction, Altimetric Wind Speed and Sas State Bias Correction for one or more records Sas State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sas State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sas State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sas State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sas State Bias Correction for one or more records There is an error with the Altimetric Wind Speed and Sas State Bias Correction for one or more records There is an error with		•	
S_OFFL_SIR_FDM_2_202012051145036_202012051145211_C001 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 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 and Sea State Bias Correction, Altimetric Wind Speed with Speed Sea State Bias Correction, Altimetric Wind Speed Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed Sea Stat		•	
S_OFFL_SIR_FDM_2_20201205T153207_20201205T160542_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records CS_OFFL_SIR_FDM_2_20201205T2404623_20201205T214915_C001 CS_OFFL_SIR_FDM_2_20201205T2404623_20201205T214915_C001 CS_OFFL_SIR_FDM_2_20201205T2404623_20201205T22442_C001 CS_OFFL_SIR_FDM_2_20201205T225639_20201205T225647_C001 CS_OFFL_SIR_FDM_2_20201205T225639_20201205T225647_C001 CS_OFFL_SIR_FDM_2_20201205T225639_20201205T225647_C001 CS_OFFL_SIR_FDM_2_20201205T225639_20201205T225647_C001 CS_OFFL_SIR_FDM_2_20201205T225639_20201205T225647_C001 CS_OFF	CS_OFFL_SIR_FDM_220201205T135307_20201205T142601_C001	Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_2_20201205T171041_20201205T174652_C001 CS_OFFL_SIR_FDM_2_20201205T180842_20201205T183125_C001 CS_OFFL_SIR_FDM_2_20201205T180842_20201205T190241_C001 CS_OFFL_SIR_FDM_2_20201205T19156_20201205T192306_C001 CS_OFFL_SIR_FDM_2_20201205T19156_20201205T192306_C001 CS_OFFL_SIR_FDM_2_20201205T202911_20201205T204242_C001 CS_OFFL_SIR_FDM_2_20201205T202911_20201205T204242_C001 CS_OFFL_SIR_FDM_2_20201205T204040_20201205T204242_C001 CS_OFFL_SIR_FDM_2_20201205T204040_20201205T204422_C001 CS_OFFL_SIR_FDM_2_20201205T204040_20201205T204422_C001 CS_OFFL_SIR_FDM_2_20201205T20405T20405T204055_C001 CS_OFFL_SIR_FDM_2_20201205T20405720455_C001 CS_OFFL_SIR_FDM_2_20201205T20455_2001 CS_OFFL_SIR_FDM_2_20201205T20455_2001 CS_OFFL_SIR_FDM_2_20201205T20455_2001 CS_OFFL_SIR_FDM_2_20201205T20455_2001 CS_OFFL_SIR_FDM_2_20201205T20455_2001 CS_OFFL_SIR_FDM_2_20201205T20455_2001 CS_OFFL_SIR_FDM_2_20201205T20455_2001 CS_OFFL_SIR_FDM_2_20201205T20455_2001 CS_OFFL_SIR_FDM_2_20201205T20456_200105T20545_C001 CS_OFFL_SIR_FDM_2_20201205T205545_C001 CS_OFFL_SIR_FDM_2_20201205T214046_20201205T214915_C001 CS_OFFL_SIR_FDM_2_20201205T22056_2006_20201205T222412_C001 CS_OFFL_SIR_FDM_2_20201205T22056_2006_20201205T222412_C001 CS_OFFL_SIR_FDM_2_20201205T22558_2001205T225547_C001 C	CS_OFFL_SIR_FDM_220201205T145036_20201205T145211_C001	·	Correction for one or more records
CS_OFFL_SIR_FDM_2_20201205T180842_20201205T183125_C001 CS_OFFL_SIR_FDM_2_20201205T185026_20201205T190241_C001 CS_OFFL_SIR_FDM_2_20201205T19156_20201205T192306_C001 CS_OFFL_SIR_FDM_2_20201205T191156_20201205T192306_C001 CS_OFFL_SIR_FDM_2_20201205T20404_20201205T2044242_C001 CS_OFFL_SIR_FDM_2_20201205T20404_20201205T2044242_C001 CS_OFFL_SIR_FDM_2_20201205T20404_20201205T204422_C001 CS_OFFL_SIR_FDM_2_20201205T204404_20201205T204422_C001 CS_OFFL_SIR_FDM_2_20201205T204404_20201205T204422_C001 CS_OFFL_SIR_FDM_2_20201205T204603_20201205T2044955_C001 CS_OFFL_SIR_FDM_2_20201205T204603_20201205T205545_C001 CS_OFFL_SIR_FDM_2_20201205T204604_20201205T205545_C001 CS_OFFL_SIR_FDM_2_20201205T204606_20201205T213512_C001 CS_OFFL_SIR_FDM_2_20201205T21406_20201205T214915_C001 CS_OFFL_SIR_FDM_2_20201205T220906_20201205T222412_C001 CS_OFFL_SIR_FDM_2_20201205T220906_20201205T225847_C001 CS_OFFL_SIR_FDM_2_20201205T22588_20201205T225847_C001 CS_OFFL_SIR_FDM_2_20201205T22588_20201205T205642_C001 CS_OFFL_SIR_FDM_2_20201205T22588_20201205T205642_C001 CS_OFFL_SIR_FDM_2_20201205T22588_20201205T205642_C001 CS_OFFL_SIR_FDM_2_20201205T22588_20201205T225847_C001 CS_OFFL_SIR_FDM_2_20201205T22588_20201205T225847_C001 CS_OFFL_SIR_FDM_2_20201205T22588_20201205T225847_C001 CS_OFFL_SIR_FDM_2_20201205T22588_20201205T225847_C001 CS_OFFL_SIR_FDM_2_20201205T22588_20201205T225847_C001 CS_OFFL_SIR_FDM_2_20201205T22588_20201205T225847_C001 CS_OFFL_SIR_FDM_2_20201205T22588_20201205T230642_C001 CS_OFFL_SIR_FDM_2_20201205T23050701_20201205T230642_C001 CS_OFFL_SIR_FDM_2_20201205T23050701_20201205T230642_C001 CS_OFFL_SIR_FDM_2_20201205T23050701_20201205T230642_C001 CS_OFFL_SIR_FDM_2_20201205T23050701_20201205T230642_C001 CS_OFFL_SIR_FDM_2_20201205T23050701_20201205T230642_C001 CS_OFFL_SIR_FDM_2_20201205T23050701_20201205T230642_C001 CS_OFFL_SIR_FDM_2_20201205T23050701_20201205T230642_C001 CS_OFFL_SIR_FDM_2_20201205T23050701_20201205T230642_C001 CS_OFFL_SIR_FDM_2_20201205T23050701_20201205T230642_C001 CS_OFFL_SIR_FDM_2_2020120	CS_OFFL_SIR_FDM_220201205T153207_20201205T160542_C001		records
CS_OFFL_SIR_FDM_2_20201205T185026_20201205T190241_C001 CS_OFFL_SIR_FDM_2_20201205T191156_20201205T192306_C001 CS_OFFL_SIR_FDM_2_20201205T202911_20201205T204242_C001 CS_OFFL_SIR_FDM_2_20201205T202911_20201205T204242_C001 CS_OFFL_SIR_FDM_2_20201205T204404_20201205T204424_C001 CS_OFFL_SIR_FDM_2_20201205T2040404_20201205T204422_C001 CS_OFFL_SIR_FDM_2_20201205T2040404_20201205T204422_C001 CS_OFFL_SIR_FDM_2_20201205T2040623_20201205T204422_C001 CS_OFFL_SIR_FDM_2_20201205T204623_20201205T204455_C001 CS_OFFL_SIR_FDM_2_20201205T204959_20201205T205545_C001 CS_OFFL_SIR_FDM_2_20201205T204959_20201205T205545_C001 CS_OFFL_SIR_FDM_2_20201205T211851_20201205T213512_C001 CS_OFFL_SIR_FDM_2_20201205T214046_20201205T214915_C001 CS_OFFL_SIR_FDM_2_20201205T214046_20201205T214915_C001 CS_OFFL_SIR_FDM_2_20201205T214046_20201205T224412_C001 CS_OFFL_SIR_FDM_2_20201205T225839_20201205T225847_C001 CS_OFFL_SIR_FDM_2_20201205T225839_20201205T225847_C001 CS_OFFL_SIR_FDM_2_20201205T225839_20201205T225847_C001 CS_OFFL_SIR_FDM_2_20201205T225928_20201205T225847_C001 CS_OFFL_SIR_FDM_2_20201205T	CS_OFFL_SIR_FDM_220201205T171041_20201205T174552_C001	·	Correction for one or more records
CS_OFFL_SIR_FDM_2_20201205T204404_20201205T204422_C001 CS_OFFL_SIR_FDM_2_20201205T204404_20201205T204422_C001 CS_OFFL_SIR_FDM_2_20201205T204404_20201205T204422_C001 CS_OFFL_SIR_FDM_2_20201205T204404_20201205T204422_C001 CS_OFFL_SIR_FDM_2_20201205T204404_20201205T204422_C001 CS_OFFL_SIR_FDM_2_20201205T204404_20201205T204422_C001 CS_OFFL_SIR_FDM_2_20201205T204404_20201205T204455_C001 CS_OFFL_SIR_FDM_2_20201205T204623_20201205T204955_C001 CS_OFFL_SIR_FDM_2_20201205T204959_20201205T20545_C001 CS_OFFL_SIR_FDM_2_20201205T204959_20201205T20545_C001 CS_OFFL_SIR_FDM_2_20201205T211851_20201205T213512_C001 CS_OFFL_SIR_FDM_2_20201205T214046_20201205T213512_C001 CS_OFFL_SIR_FDM_2_20201205T214046_20201205T214915_C001 CS_OFFL_SIR_FDM_2_20201205T220906_20201205T222412_C001 CS_OFFL_SIR_FDM_2_20201205T225839_20201205T225847_C001 CS_OFFL_SIR_FDM_2_20201205T225889_20201205T225847_C001 CS_OFFL_SIR_FDM_2_20201205T225889_20201205T225847_C001 CS_OFFL_SIR_FDM_2_20201205T225988_20201205T230642_C001 CS_OFFL_SIR_FDM_2_20201205T225988_20201205T230642_C001 CS_OFFL_SIR_FDM_2_20201205T225988_20201205T230642_C001 CS_OFFL_SIR_FDM_2_20201205T230701_20201205T230705_C001 Wind Speed CS_OFFL_SIR_FDM_2_20201205T230701_20201205T230705_C001 Wind Speed CS_OFFL_SIR_FDM_2_20201205T230701_20201205T2330785_C001 CS_OFFL_SIR_FDM_2_20201205T231052_2001205T2330785_C001 CS_OFFL_SIR_FDM_2_20201205T231052_2001205T2330785_C001 CS_OFFL_SIR_FDM_2_20201205T230701_20201205T2330785_C001 CS_OFFL_SIR_FDM_2_20201205T230701_20201205T2330785_C001 CS_OFFL_SIR_FDM_2_20201205T230701_20201205T2330785_C001 CS_OFFL_SIR_FDM_2_20201205T230701_20201205T2330785_C001 CS_OFFL_SIR_FDM_2_20201205T230701_20201205T2330785	CS_OFFL_SIR_FDM_220201205T180842_20201205T183125_C001	Sea State Bias Correction	
CS_OFFL_SIR_FDM_2_20201205T204242_C001 CS_OFFL_SIR_FDM_2_20201205T204042_C001 CS_OFFL_SIR_FDM_2_20201205T204042_C001 CS_OFFL_SIR_FDM_2_20201205T204623_20201205T204955_C001 CS_OFFL_SIR_FDM_2_20201205T204623_20201205T204955_C001 CS_OFFL_SIR_FDM_2_20201205T204623_20201205T205545_C001 CS_OFFL_SIR_FDM_2_20201205T204959_20201205T205545_C001 CS_OFFL_SIR_FDM_2_20201205T204959_20201205T205545_C001 CS_OFFL_SIR_FDM_2_20201205T211851_20201205T205545_C001 CS_OFFL_SIR_FDM_2_20201205T211851_20201205T213512_C001 CS_OFFL_SIR_FDM_2_20201205T214046_20201205T213512_C001 CS_OFFL_SIR_FDM_2_20201205T214046_20201205T214915_C001 CS_OFFL_SIR_FDM_2_20201205T2252547_C001 CS_OFFL_SIR_FDM_2_20201205T225839_20201205T225847_C001 CS_OFFL_SIR_FDM_2_20201205T225839_20201205T225847_C001 CS_OFFL_SIR_FDM_2_20201205T225928_20201205T225847_C001 CS_OFFL_SIR_FDM_2_20201205T225928_20201205T225847_C001 CS_OFFL_SIR_FDM_2_20201205T225928_20201205T225847_C001 CS_OFFL_SIR_FDM_2_20201205T225928_20201205T225847_C001 CS_OFFL_SIR_FDM_2_20201205T225928_20201205T225847_C001 CS_OFFL_SIR_FDM_2_20201205T225928_20201205T230642_C001 CS_OFFL_SIR_FDM_2_20201205T225928_20201205T230642_C001 CS_OFFL_SIR_FDM_2_20201205T225928_20201205T230642_C001 CS_OFFL_SIR_FDM_2_20201205T230701_20201205T230705_C001 CS_OFFL_SIR_FDM_2_20201205T230572_20061205T230705_C001 CS_OFFL_SIR_FDM_2_20201205T230572_000	CS_OFFL_SIR_FDM_220201205T185026_20201205T190241_C001	·	·
CS_OFFL_SIR_FDM_2_20201205T204404_20201205T204955_CO01 CS_OFFL_SIR_FDM_2_20201205T204623_20201205T204955_CO01 CS_OFFL_SIR_FDM_2_20201205T204959_20201205T204955_CO01 CS_OFFL_SIR_FDM_2_20201205T204959_20201205T205545_CO01 CS_OFFL_SIR_FDM_2_20201205T204959_20201205T205545_CO01 CS_OFFL_SIR_FDM_2_20201205T211851_20201205T213512_CO01 CS_OFFL_SIR_FDM_2_20201205T214046_20201205T213512_CO01 CS_OFFL_SIR_FDM_2_20201205T214046_20201205T214915_CO01 CS_OFFL_SIR_FDM_2_20201205T220906_20201205T222412_CO01 CS_OFFL_SIR_FDM_2_20201205T220906_20201205T222412_CO01 CS_OFFL_SIR_FDM_2_20201205T225839_20201205T225847_CO01 CS_OFFL_SIR_FDM_2_20201205T225839_20201205T230642_CO01 CS_OFFL_SIR_FDM_2_20201205T225928_20201205T230642_CO01 CS_OFFL_SIR_FDM_2_20201205T225928_20201205T230705_C001 CS_OFFL_SIR_FDM_2_20201205T225928_20201205T230705_C001 CS_OFFL_SIR_FDM_2_20201205T231052_20201205T23358_C001 CS_OFFL_SIR_FDM_2_20201205T231052_20201205T23358_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, 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 wit	CS_OFFL_SIR_FDM_220201205T191156_20201205T192306_C001	· ·	·
CS_OFFL_SIR_FDM_2_20201205T204404_20201205T204955_C001 CS_OFFL_SIR_FDM_2_20201205T204623_20201205T205545_C001 CS_OFFL_SIR_FDM_2_20201205T204959_20201205T205545_C001 CS_OFFL_SIR_FDM_2_20201205T211851_20201205T213512_C001 CS_OFFL_SIR_FDM_2_20201205T214046_20201205T213512_C001 CS_OFFL_SIR_FDM_2_20201205T214046_20201205T214915_C001 CS_OFFL_SIR_FDM_2_20201205T220906_20201205T222412_C001 CS_OFFL_SIR_FDM_2_20201205T220906_20201205T222412_C001 CS_OFFL_SIR_FDM_2_20201205T225839_20201205T225847_C001 CS_OFFL_SIR_FDM_2_20201205T225928_20201205T230642_C001 CS_OFFL_SIR_FDM_2_20201205T230701_20201205T230705_C001 CS_OFFL_SIR_FDM_2_20201205T230701_20201205T230705_C001 CS_OFFL_SIR_FDM_2_20201205T231352_20201205T233258 C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records CS_OFFL_SIR_FDM_2_20201205T225938_20201205T225847_C001 CS_OFFL_SIR_FDM_2_20201205T225928_20201205T230705_C001 CS_OFFL_SIR_FDM_2_20201205T230701_20201205T233258_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed CS_OFFL_SIR_FDM_2_20201205T225928_20201205T230705_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	CS_OFFL_SIR_FDM_220201205T202911_20201205T204242_C001	·	·
Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records CS_OFFL_SIR_FDM_2_20201205T204959_20201205T205545_C001 CS_OFFL_SIR_FDM_2_20201205T21851_20201205T213512_C001 CS_OFFL_SIR_FDM_2_20201205T211851_20201205T213512_C001 CS_OFFL_SIR_FDM_2_20201205T214046_20201205T214915_C001 CS_OFFL_SIR_FDM_2_20201205T214046_20201205T214915_C001 CS_OFFL_SIR_FDM_2_20201205T220906_20201205T222412_C001 CS_OFFL_SIR_FDM_2_20201205T225839_20201205T225847_C001 CS_OFFL_SIR_FDM_2_20201205T225839_20201205T225847_C001 CS_OFFL_SIR_FDM_2_20201205T225928_20201205T225847_C001 CS_OFFL_SIR_FDM_2_20201205T225928_20201205T230642_C001 CS_OFFL_SIR_FDM_2_20201205T230701_20201205T230705_C001 CS_OFFL_SIR_FDM_2_20201205T230701_20201205T233758_C001 Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction, Altimetric Wind Speed CS_OFFL_SIR_FDM_2_20201205T230701_20201205T233758_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 Corr	CS_OFFL_SIR_FDM_220201205T204404_20201205T204422_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_2_20201205T204959_20201205T213512_C001 CS_OFFL_SIR_FDM_2_20201205T211851_20201205T213512_C001 CS_OFFL_SIR_FDM_2_20201205T214046_20201205T214915_C001 CS_OFFL_SIR_FDM_2_20201205T214046_20201205T214915_C001 CS_OFFL_SIR_FDM_2_20201205T220906_20201205T222412_C001 CS_OFFL_SIR_FDM_2_20201205T220906_20201205T222412_C001 CS_OFFL_SIR_FDM_2_20201205T225839_20201205T225847_C001 CS_OFFL_SIR_FDM_2_20201205T225839_20201205T225847_C001 CS_OFFL_SIR_FDM_2_20201205T225928_20201205T230642_C001 CS_OFFL_SIR_FDM_2_20201205T225928_20201205T230642_C001 CS_OFFL_SIR_FDM_2_20201205T230701_20201205T230705_C001 CS_OFFL_SIR_FDM_2_20201205T230701_20201205T233758_C001 CS_OFFL_SIR_FDM_2_20201205T231052_20201205T233258_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 Co	CS_OFFL_SIR_FDM_220201205T204623_20201205T204955_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_2_20201205T211851_20201205T213512_C001 CS_OFFL_SIR_FDM_2_20201205T214046_20201205T214915_C001 CS_OFFL_SIR_FDM_2_20201205T220906_20201205T222412_C001 CS_OFFL_SIR_FDM_2_20201205T220906_20201205T222412_C001 CS_OFFL_SIR_FDM_2_20201205T225839_20201205T225847_C001 CS_OFFL_SIR_FDM_2_20201205T225839_20201205T225847_C001 CS_OFFL_SIR_FDM_2_20201205T225928_20201205T230642_C001 CS_OFFL_SIR_FDM_2_20201205T225928_20201205T230642_C001 CS_OFFL_SIR_FDM_2_20201205T230701_20201205T230705_C001 CS_OFFL_SIR_FDM_2_20201205T230701_20201205T230705_C001 CS_OFFL_SIR_FDM_2_20201205T231052_20201205T233258_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	CS_OFFL_SIR_FDM_220201205T204959_20201205T205545_C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_2_20201205T224915_C001 CS_OFFL_SIR_FDM_2_20201205T225939_20201205T225847_C001 CS_OFFL_SIR_FDM_2_20201205T225928_20201205T225847_C001 CS_OFFL_SIR_FDM_2_20201205T225928_20201205T230642_C001 CS_OFFL_SIR_FDM_2_20201205T225928_20201205T230642_C001 CS_OFFL_SIR_FDM_2_20201205T225928_20201205T230705_C001 CS_OFFL_SIR_FDM_2_20201205T231052_20201205T233258_C001	CS OFFL SIR FDM 2 20201205T211851 20201205T213512 C001	Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_2_20201205T220906_20201205T222412_C001 CS_OFFL_SIR_FDM_2_20201205T225839_20201205T225847_C001 CS_OFFL_SIR_FDM_2_20201205T225928_20201205T230642_C001 CS_OFFL_SIR_FDM_2_20201205T225928_20201205T230642_C001 CS_OFFL_SIR_FDM_2_20201205T225928_20201205T230705_C001 CS_OFFL_SIR_FDM_2_20201205T230701_20201205T230705_C001 CS_OFFL_SIR_FDM_2_20201205T231052_20201205T233258_C001 Wind Speed Correction, Altimetric Wind Speed and 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 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		Sea State Bias Correction, Altimetric	There is an error with the Altimetric Wind Speed and Sea State Bias
CS_OFFL_SIR_FDM_2_20201205T225839_20201205T225847_C001 CS_OFFL_SIR_FDM_2_20201205T225928_20201205T230642_C001 CS_OFFL_SIR_FDM_2_20201205T230701_20201205T230705_C001 CS_OFFL_SIR_FDM_2_20201205T230705_C001 CS_OFFL_SIR_FDM_2_20201205T230705_C001 CS_OFFL_SIR_FDM_2_20201205T230705_C001 CS_OFFL_SIR_FDM_2_20201205T230705_C001 CS_OFFL_SIR_FDM_2_20201205T230705_C001 CS_OFFL_SIR_FDM_2_20201205T230705_C001 CS_OFFL_SIR_FDM_2_20201205T230705_C001 CS_OFFL_SIR_FDM_2_20201205T230			
CS_OFFL_SIR_FDM_2_20201205T225839_20201205T225847_C001 CS_OFFL_SIR_FDM_2_20201205T225928_20201205T230642_C001 CS_OFFL_SIR_FDM_2_20201205T230701_20201205T230705_C001 CS_OFFL_SIR_FDM_2_20201205T230705_C001 CS_OFFL_SIR_FDM_2_20201205T230705_C001		Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_2_20201205T230701_20201205T230642_C001 CS_OFFL_SIR_FDM_2_20201205T230701_20201205T230705_C001 Wind Speed Sea State Bias Correction, Altimetric Wind Speed and Sea State Bias Correction for one or more records 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		Wind Speed	Correction for one or more records
CS_OFFL_SIR_FDM_2_202012051230701_202012051230705_C001 Wind Speed CS_OFFL_SIR_FDM_2_202012051230701_202012051230705_C001 Wind Speed CS_OFFL_SIR_FDM_2_202012051230701_202012051230705_C001 Sea State Bias Correction There is an error with the Sea State Bias Correction for one or more	CS_OFFL_SIR_FDM_220201205T225928_20201205T230642_C001	Wind Speed	Correction for one or more records
CS OFFL SIR FDM 2 202012051231052 202012051233258 C001 Sea State Bias Correction I	CS_OFFL_SIR_FDM_220201205T230701_20201205T230705_C001		Correction for one or more records
	CS_OFFL_SIR_FDM_220201205T231052_20201205T233258_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.

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220201205T010442_20201205T011112_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220201205T024739_20201205T024842_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220201205T042647_20201205T042810_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220201205T060744_20201205T060959_C001	Attitude correction missing	The attitude has not been corrected

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.

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220201205T003924_20201205T010150_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_220201205T024139_20201205T024314_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_220201205T030757_20201205T034133_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_220201205T041032_20201205T041452_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_220201205T043105_20201205T043506_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_220201205T045927_20201205T052042_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_220201205T054825_20201205T055705_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_220201205T055802_20201205T060206_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_220201205T062454_20201205T062620_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_220201205T062727_20201205T063209_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_220201205T063349_20201205T065947_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_220201205T071841_20201205T073109_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_220201205T080648_20201205T080708_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_220201205T081226_20201205T082203_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_220201205T091236_20201205T092640_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_220201205T103321_20201205T105915_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_220201205T113311_20201205T115419_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_220201205T121238_20201205T123953_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_220201205T131153_20201205T133554_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_220201205T145036_20201205T145211_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_220201205T171041_20201205T174552_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_220201205T185026_20201205T190241_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.
CS_OFFL_SIR_FDM_220201205T191156_20201205T192306_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.
CS_OFFL_SIR_FDM_220201205T202911_20201205T204242_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.
CS_OFFL_SIR_FDM_220201205T204404_20201205T204422_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_220201205T204623_20201205T204955_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_220201205T204959_20201205T205545_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_220201205T211851_20201205T213512_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_220201205T214046_20201205T214915_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_220201205T225839_20201205T225847_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_220201205T225928_20201205T230642_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

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

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220201205T003924_20201205T010150_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_220201205T024139_20201205T024314_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_220201205T030757_20201205T034133_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_220201205T041032_20201205T041452_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_220201205T043105_20201205T043506_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_220201205T045927_20201205T052042_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_220201205T054825_20201205T055705_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_220201205T055802_20201205T060206_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_220201205T062454_20201205T062620_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_220201205T062727_20201205T063209_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_220201205T063349_20201205T065947_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_220201205T071841_20201205T073109_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_220201205T080648_20201205T080708_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_220201205T081226_20201205T082203_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_220201205T091236_20201205T092640_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_220201205T103321_20201205T105915_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_220201205T113311_20201205T115419_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_220201205T121238_20201205T123953_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_220201205T131153_20201205T133554_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_220201205T145036_20201205T145211_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_220201205T171041_20201205T174552_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_220201205T185026_20201205T190241_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_220201205T191156_20201205T192306_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.
CS_OFFL_SIR_FDM_220201205T202911_20201205T204242_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.
CS_OFFL_SIR_FDM_220201205T204404_20201205T204422_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_220201205T204623_20201205T204955_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_220201205T204959_20201205T205545_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_220201205T211851_20201205T213512_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_220201205T214046_20201205T214915_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_220201205T225839_20201205T225847_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_220201205T225928_20201205T230642_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

CS_OFFL_SIR_FDM_2__20201205T204959_20201205T205545_C001

CryoSat L2 data includes an ocean retracking quality flag (field 66) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors: 52 **Test Failed Product** Description The Ocean Retracking Quality Flag is set indicating the CFI Ocean Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2__20201204T234957_20201205T002319_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__20201205T003924_20201205T010150_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 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__20201205T013139_20201205T020120_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__20201205T022456_20201205T023246_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 CS_OFFL_SIR_FDM_2__20201205T024139_20201205T024314_C001 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 CS_OFFL_SIR_FDM_2__20201205T030757_20201205T034133_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__20201205T041032_20201205T041452_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__20201205T042124_20201205T042408_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__20201205T043105_20201205T043506_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__20201205T044620_20201205T045641_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__20201205T045927_20201205T052042_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 CS_OFFL_SIR_FDM_2__20201205T053757_20201205T054801_C001 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 CS_OFFL_SIR_FDM_2__20201205T054825_20201205T055705_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__20201205T055802_20201205T060206_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__20201205T060959_20201205T061046_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 CS_OFFL_SIR_FDM_2__20201205T062454_20201205T062620_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__20201205T062727_20201205T063209_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__20201205T063349_20201205T065947_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__20201205T071841_20201205T073109_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__20201205T073146_20201205T074859_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__20201205T080648_20201205T080708_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 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__20201205T082407_20201205T083912_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 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__20201205T091236_20201205T092640_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__20201205T092653_20201205T092857_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__20201205T103321_20201205T105915_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 CS_OFFL_SIR_FDM_2__20201205T113311_20201205T115419_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__20201205T121238_20201205T123953_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__20201205T131153_20201205T133554_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__20201205T135307_20201205T142601_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__20201205T143811_20201205T144041_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 20201205T145036 20201205T145211 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 CS_OFFL_SIR_FDM_2__20201205T150754_20201205T150818_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__20201205T153207_20201205T160542_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__20201205T163709_20201205T165311_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 CS_OFFL_SIR_FDM_2__20201205T171041_20201205T174552_C001 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 CS_OFFL_SIR_FDM_2__20201205T180842_20201205T183125_C001 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 CS_OFFL_SIR_FDM_2__20201205T185026_20201205T190241_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__20201205T191156_20201205T192306_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__20201205T195811_20201205T201230_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__20201205T202911_20201205T204242_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 CS_OFFL_SIR_FDM_2__20201205T204404_20201205T204422_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__20201205T204623_20201205T204955_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

Retracker was not successfully executed for one or more records.

CS_OFFL_SIR_FDM_220201205T211851_20201205T213512_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_220201205T214046_20201205T214915_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_220201205T223003_20201205T223305_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_220201205T225839_20201205T225847_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_220201205T225928_20201205T230642_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_220201205T231052_20201205T233258_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.

7. QCC Report Analysis

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

Product type	Nb. Products	Nb. QCC Reports	Nb. Valid	Nb. Warnings	Nb. Errors
SIR1LRM_0_	223	223	222	1	0
SIR1SAR_0_	116	116	115	1	0
SIR1SIN_0_	101	101	101	0	0
SIR2SIN_0_	105	105	105	0	0
SIR_FDM_1B	223	223	4	0	219
SIR_FDM_2	214	214	145	69	0

7.1 QCC Errors

Number of QCC reports with errors:

219

Total number of occurrences of each error

						J. J.J.J. 1111000					
Product Type	UVOB	-	-	-	-	-	-	-	-	-	-
SIR_FDM_1B	219										

1	Test Description Key:					
F	Abbreviation	Test name	Details			
ι	JVOB	UnitVectorOrBlank_6	The three array elements should form a unit vector (using a scale factor of 10^-6)			

7.2 QCC Warnings

Number of QCC reports with warnings

221

Total number of occurrences of each warning

Product Type	MVSIO	MVSIOFD	QF	RACOGO	RBSZO	RBSZOFD	RDTCO	RSSBCO	RWTCO	RCMDSR	-
SIR1LRM_0_	0	0	1	0	0	0	0	0	0	0	
SIR1SAR_0_	0	0	1	0	0	0	0	0	0	0	
SIR FDM 2	49	57	0	1	47	55	1	7	1	1	

Test Description Key:							
Abbreviation	Test name	Details					
MVSIO	MissingValueShortIntOcean	The value should not be a 'missing value' for surface type 0 only					
MVSIOFD	MissingValueShortIntOceanFD2	The value should not be a 'missing value' for surface type 0 only					
QF	QualityFlag	The Quality Flag should be 0					
RACOGO	RangeAltitudeCOGOcean	The CoG altitude should be between 710000000mm and 760000000mm for surface type = ocean					
RBSZO	RangeBackscatterSigmaZeroOcean	The backscatter sigma zero should be between 700 and 3000 (or missing) for surface type = ocean					
RBSZOFD	RangeBackscatterSigmaZeroOceanFD2	The backscatter sigma zero should be between 700 and 3000 (or missing) for surface type = ocean					
RDTCO	RangeDryTroposphericCorrectionOcean	The Dry tropospheric correction should be between -2500mm and -1900mm (or missing) for surface type = ocean					
RSSBCO	RangeSeaStateBiasCorrectionOcean	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean					

7.3 Missing QCC Reports

Number of products with missing QCC reports:

0