

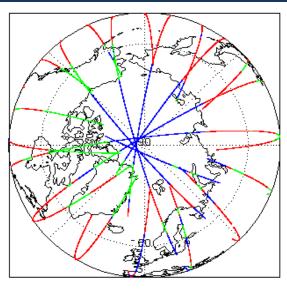
1. Overview

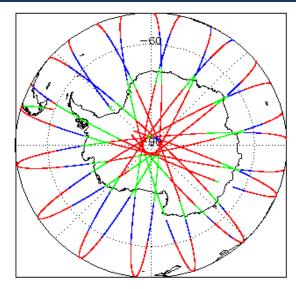
Report Production:	20-Oct-2020
Processor Used:	CryoSat Ocean Processor
Data Used:	Near Real Time Ocean Products (NOP) L1B & L2 Science Data

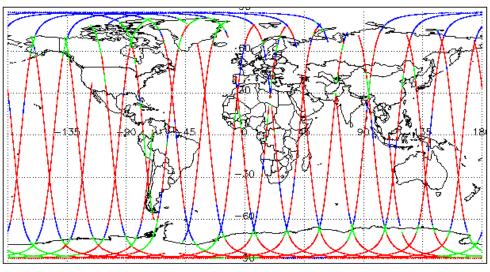
Check	L1 & L2
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Auxiliary Data File Usage Check	Nominal
Auxiliary Correction Error Check	See Section 5.4
Measurement Confidence Data Check	See Section 4.5, 4.6
Measurement Quality Flag Check	See Section 5.6
Ocean Retracking Quality Check	See Section 5.7
QCC Error/ Warning Check	See Section 7.1 and 7.2

Mission / Instru	ment News
18-Oct-2020	None
19-Oct-2020	None
20-Oct-2020	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. NOP Level 1B Data Quality Check

4.1 L1B Product Format Check

4.2 L1B Product Header Analysis

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

L1B Processing Quality HR: The I1b_proc_flag_hr flag is currently set all L1B IOPR and IOPN products because the I1b_processing_quality_hr field is not correctly configured in the OSAR and OSARIn chains. A modification is required in the next release.

Number of products with errors:

4.3 L1B 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.

Dynamic Atmospheric Correction: The DAC is missing in all products because the auxiliary files required are not available in time for processing. This known and expected behaviour.

Number of products with errors:

0

4.4 L1B Auxiliary Correction Error Check

CryoSat L1B data includes a correction error flag for each measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

Ω

4.5 L1B Measurement Confidence Data Check

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

> Attitude Correction Missing: This flag is currently set in error for NOPR products due to a configuration issue. This is being investigated and will be updated in the next SW update.

Number of products with errors:

0

4.6 L1B Waveform Group Data Check

CryoSat L1B data includes a waveform data flag for each measurement record. The bit value of this flag indicates any problems when set.

> Loss of Echo Flag: This flag is currently set for products over land, but this is to be expected.

Number of products with errors:

20

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20201019T075836_20201019T083353_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20201019T202444_20201019T205411_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20201019T011706_20201019T012253_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20201019T025201_20201019T025223_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20201019T060609_20201019T060656_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20201019T074826_20201019T075058_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20201019T110415_20201019T110444_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20201019T124240_20201019T124751_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20201019T152222_20201019T152344_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20201019T155844_20201019T160308_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20201019T180132_20201019T180250_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20201019T210827_20201019T211212_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20201019T225057_20201019T225329_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20201019T232657_20201019T233308_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20201019T035122_20201019T035319_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20201019T043041_20201019T043926_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20201019T061017_20201019T061821_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20201019T193400_20201019T194007_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20201019T200705_20201019T201137_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20201019T232120_20201019T232559_C001	Loss of Echo	The tracking echo is missing for one or more records

5. NOP Level 2 Data Quality Check

5.1 L2 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 L2 Product Header Analysis

For all products, a series of pre-defined checks are performed 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 L2 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.

Wind Model File Usage: This file is currently not included in all L2 products.

Number of products with errors:

0

5.4 L2 Auxiliary Correction Error Check

For all products, the auxiliary corrections within the Geophysical Group are checked for the default error value (32767).

Currently, there are some common auxiliary correction errors raised in the Level 2 products which are expected due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues which may arise from this test.

- > ECMWF Meteo Corrections: Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric Correction, Wet Tropospheric Correction, Inverse Barometric Correction and the U-Wind and V-Wind components of the ECMWF model wind vector. This is a known anomaly (CRYO-COP-3) and will be resolved in a future IPF update.
- > Mean Sea Surface: The error value is currently set for products over land and sea ice, but this is to be expected.
- > Mean Dynamic Topography: The error value is currently set for products over land and sea ice, but this is to be expected.
- > Altimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPN_2_20201019T002053_20201019T002254_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20201019T011706_20201019T012253_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20201019T020026_20201019T020144_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20201019T020942_20201019T021218_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20201019T033946_20201019T034107_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20201019T034958_20201019T035106_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20201019T051936_20201019T052302_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20201019T061822_20201019T062052_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20201019T065841_20201019T070202_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20201019T074826_20201019T075058_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Perioc Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_NOPN_2_20201019T084609_20201019T084727_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20201019T092857_20201019T093001_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20201019T102318_20201019T102518_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20201019T110701_20201019T110916_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20201019T120959_20201019T121447_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20201019T124240_20201019T124751_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20201019T134233_20201019T134452_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20201019T142035_20201019T142615_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20201019T165205_20201019T165330_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20201019T170128_20201019T170240_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20201019T174046_20201019T174235_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20201019T183818_20201019T184121_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20201019T201137_20201019T201443_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20201019T201720_20201019T202203_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20201019T210827_20201019T211212_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20201019T224711_20201019T224828_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Perioc Ocean Tide	Topography (solution 1) and the tidal corrections for one or more records
CS_OFFL_SIR_NOPN_2_20201019T225057_20201019T225329_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20201019T232657_20201019T233308_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20201019T025223_20201019T025725_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20201019T043041_20201019T043926_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20201019T061017_20201019T061821_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20201019T075058_20201019T075836_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20201019T093002_20201019T093712_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20201019T110917_20201019T111432_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20201019T124752_20201019T125315_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20201019T125324_20201019T125428_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPR_2_20201019T143356_20201019T143539_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPR_2_20201019T193400_20201019T194007_C001	Total Geocentric Ocean Tide (GOT)	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records

5.5 L2 Measurement Confidence Data Check

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20Hz)

CryoSat L2 data includes Quality Flags for each 20 Hz, 20 Hz PLRM and 1 Hz measurement record. The bit value of this flag indicates any problems when set.

Currently, there are several common flags raised in the Level 2 products, which are summarised below. The table provides the full list of products flagged.

- > Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags: These flags are currently set for some records over ocean.
- > OCOG Altimeter Range and Backscatter Quality Flags: These flags are currently set for some records over continental ice.

Number of products with errors:

88

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20201019T000537_20201019T001813_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T002254_20201019T003107_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T003426_20201019T004925_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T005331_20201019T005800_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T010431_20201019T011013_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T012253_20201019T013129_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T013208_20201019T015807_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T020144_20201019T020347_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T020425_20201019T020941_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T021436_20201019T023738_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T031037_20201019T033619_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T034352_20201019T034957_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T035320_20201019T042103_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T042756_20201019T043041_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T044310_20201019T051455_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T052302_20201019T052829_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T053244_20201019T053621_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T060656_20201019T060704_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T060715_20201019T061016_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T062204_20201019T063107_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T063351_20201019T065509_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T070311_20201019T070719_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_NOPM_2_20201019T071247_20201019T072858_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T075836_20201019T083353_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T083728_20201019T084205_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T084225_20201019T084609_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T085308_20201019T092453_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T093935_20201019T095146_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T095926_20201019T101318_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T101548_20201019T102105_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T102140_20201019T102317_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T103122_20201019T104446_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T104701_20201019T104820_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T104855_20201019T110414_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T110444_20201019T110527_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T112626_20201019T113648_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T113828_20201019T115201_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T115515_20201019T120017_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T120055_20201019T120155_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T120851_20201019T120958_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T121447_20201019T122121_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T122607_20201019T123040_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T123324_20201019T123912_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T130131_20201019T130202_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T131005_20201019T133031_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T133544_20201019T133934_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T134702_20201019T141340_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201019T144632_20201019T150958_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

CQ_CFI_SRI_UCHIL_ZCZ010161 10502_20010111052Z_CC01 CQ_CFI_SRI_UCHIL_ZCZ010161 10502_20010111052Z_CC01 CQ_CFI_SRI_UCHIL_ZCZ010161 10502_20010111052Z_CC01 CQ_CFI_SRI_UCHIL_ZCZ010161 10502_20010111052Z_CC01 CQ_CFI_SRI_UCHIL_ZCZ010161 10502_20010110512Z_CC01 CQ_CFI_SRI_UCHIL_ZCZ010161 10502_200101110512Z_CC01		OCOG Altimeter Range Quality, OCOG	The OCOG Altimeter Range and Backscatter Quality Flags have been set
Bastocate Casts Service Ca	CS_OFFL_SIR_NOPM_2_20201019T151328_20201019T151849_C001		
Col.	CS_OFFL_SIR_NOPM_2_20201019T151856_20201019T152222_C001		
Ell CODE Service Plance	CS_OFFL_SIR_NOPM_2_20201019T152617_20201019T155843_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
ed. portset_North_2_accontribitiness_accontribitiness_accontribitiness_accontribitions_brage and absorbational country. So DER_SR_NORM_2_accontribitiness_accontribitiness_accontribitiness_accontribitions_according_northibition_according_northibition_according_northibition_according_northibition_according_northibition_according_northibition_according_northibition_according_northibition_according_northibition_according_northibition_according_northibition_according_northibition_according_northibition_according_northibition_according_northibition_accord	CS_OFFL_SIR_NOPM_2_20201019T161210_20201019T161322_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Les Ceff L. Sirt, NOPM 2, 202010191104209, 202011911104209. CODI 3 American Finange and advancator Caulty Finance Finance and advancator Caulty Finance Financ	CS_OFFL_SIR_NOPM_2_20201019T161351_20201019T161422_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
42 OFFL. SRR. NOPM. 2. 20201019T194520 20201019T192034 C001 52 OFFL. SRR. NOPM. 2. 20201019T197070 20201019T170343 C001 53 OFFL. SRR. NOPM. 2. 20201019T170709 20201019T170343 C001 54 OFFL. SRR. NOPM. 2. 20201019T170709 20201019T170343 C001 55 OFFL. SRR. NOPM. 2. 20201019T170709 20201019T170343 C001 56 OFFL. SRR. NOPM. 2. 20201019T170709 20201019T170343 C001 57 OFFL. SRR. NOPM. 2. 20201019T170709 20201019T	CS_OFFL_SIR_NOPM_2_20201019T162235_20201019T164152_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Sackscatter Quality Co. Co. All Minner Range, SSIA, SWM and Backscatter Quality Flags flavs been set for one or more records. CS. OFFL SIR NOPM 2 202010197180302 202010197180303 0001 CS. OFFL SIR NOPM 2 202010197190318 202010197192102 0001 CS. OFFL SIR NOPM 2 202010197190318 202010197192102 0001 CS. OFFL SIR NOPM 2 202010197190308 202010197192102 0001 CS. OFFL SIR NOPM 2 202010197190308 20201019719202 0001 CS. OFFL SIR NOPM 2 202010197190308 202010197192035 0001 CS. OFFL SIR NOPM 2 202010197190308 202010197192035 0001 CS. OFFL SIR NOPM 2 202010197190308 202010197195035 0001 CS. OFFL SIR NOPM 2 202010197190308 202010197195035 0001 CS. OFFL SIR NOPM 2 202010197190308 202010197195035 0001 CS. OFFL SIR NOPM 2 202010197190308 202010197195039 0001 CS. OFFL SIR NOPM 2 202010197190308 202010197195039 0001 CS. OFFL SIR NOPM 2 202010197190308 202010197195039 0001 CS. OFFL SIR NOPM 2 202010197190308 202010197190309 0001 CS. OFFL SIR NOPM 2 202010197190308 202010197190309 0001 CS. OFFL SIR NOPM 2 202010197190308 0001 CS. OFFL SIR NOPM 2 202010197190309 0001 CS. OFFL SIR NOPM 2 202010197190309 0001 CS. OFFL SIR NOPM	CS_OFFL_SIR_NOPM_2_20201019T164520_20201019T164919_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscater Cuality, COCA Allmenter Range and Backscater Cuality Range and Backscater Cuality Range and Backscater Cuality Range and Backscater Cuality Range SIA, SWH and Backscater Cuality Range SIA, SWH and Backscater Cuality Range SIA, SWH and Backscater Cuality, COCA Allmenter Range and Backscater Cuality, COCA Allmenter Range SIA, SWH and Backscater Cuality Range Range SIA, SWH and Backscater Cuality, COCA Allmenter Range SIA, SWH and Backscater Cuality Range	CS_OFFL_SIR_NOPM_2_20201019T165330_20201019T170127_C001		
and descaration (unity) COED Altimeter Range and Backscatter (unity) Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20201019T189389_20201019T189389_C001 CS_OFFL_SIR_NOPM_2_20201019T189389_20201019T189389_C001 CS_OFFL_SIR_NOPM_2_20201019T189389_20201019T189389_C001 CS_OFFL_SIR_NOPM_2_20201019T19938_20201019T19938_C001 CS_OFFL_SIR_NOPM_2_20201019T19938_20201019T19939_C001 CS_OFFL_SIR_NOPM_2_20201019T19939_20201019T19939_C001 CS_OFFL_SIR_NOPM_2_20201019T19939_20201019T19939_C001 CS_OFFL_SIR_NOPM_2_20201019T19939_20201019T19939_C001 CS_OFFL_SIR_NOPM_2_20201019T19939_20201019T19939_C001 CS_OFFL_SIR_NOPM_2_20201019T19939_20201019T19939_C001 CS_OFFL_SIR_NOPM_2_20201019T19939_20201019T19939_C001 CS_OFFL_SIR_NOPM_2_20201019T19939_20201019T19939_C001 CS_OFFL_SIR_NOPM_2_20201019T19939_20201019T19939_C001 CS_OFFL_SIR_NOPM_2_20201019T19939_20201019T19939_C001 CS_OFFL_SIR_NOPM_2_20201019T19939_C001 CS_OFFL_SIR_NOPM_2_20201019T19939_20201019T200794_C001 CS_OFFL_SIR_NOPM_2_20201019T201443_20201019T200794_C001 CS_OFFL_SIR_NOPM_2_20201019T200794_C0	CS_OFFL_SIR_NOPM_2_20201019T170708_20201019T173843_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and flackscatter Quality, COOG Altimeter Range and Backscatter Quality Flags have been adherenced to one or more records. CS_OFFL_SIR_NOPM_2_20201019T183304_20201019T183818_CO01 CS_OFFL_SIR_NOPM_2_20201019T183304_20201019T183818_CO01 CS_OFFL_SIR_NOPM_2_20201019T183304_20201019T183818_CO01 CS_OFFL_SIR_NOPM_2_20201019T183008_20201019T19200_CO01 CS_OFFL_SIR_NOPM_2_20201019T19018_20201019T19200_CO01 CS_OFFL_SIR_NOPM_2_20201019T19008_20201019T19200_CO01 CS_OFFL_SIR_NOPM_2_20201019T193008_20201019T193400_CO01 CS_OFFL_SIR_NOPM_2_20201019T193008_20201019T193400_CO01 CS_OFFL_SIR_NOPM_2_20201019T19400_CO01 CS_OFFL_SIR_NOPM_2_20201019T20444_20201019T200700_CO01 CS_OFFL_SIR_NOPM_2_20201019T20444_20201019T200700_CO01 CS_OFFL_SIR_NOPM_2_20201019T20444_20201019T201720_CO01 CS_OFFL_SIR_NOPM_2_20201019T20444_20201019T2040600_CO01 CS_OFFL_SIR_NOPM_2_20201019T20444_20201019T2040600_CO01 CS_OFFL_SIR_NOPM_2_20201019T20444_20201019T2040600_CO01 CS_OFFL_SIR_NOPM_2_20201019T20444_20201019T2040600_CO01 CS_OFFL_SIR_NOPM_2_20201019T20444_20201019T2040600_CO01 CS_OFFL_SIR_NOPM_2_20201019T20444_20201019T2040600_CO01 CS_OFFL_SIR_NOPM_2_20201019T20444_20201019T2040600_CO01 CCC_OFFL_SIR_NOPM_2_20201019T20444_20201019T2040600_CO01 CCC_OFFL_SIR_NOPM_2_20201019T20444_20201019T2040600_CO01 CCC_OFFL_SIR_NOPM_2_20201019T20444_20201019T2040600_CO01 CCC_OFFL_SIR_NOPM_2_20201019T2040600_CO01 CCC_OFFL	CS_OFFL_SIR_NOPM_2_20201019T175117_20201019T175305_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_NOPM_2_20201019T19843S_20201019T19083S_COU All meter Range, SHA, SWH and Backscatter Quality Flags and the COCG Altmeter Range, SHA, SWH and Backscatter Quality Flags and the COCG Altmeter Range and Backscatter Quality Flags and the COCG Altmeter Range and Backscatter Quality Flags and the COCG Altmeter Range and Backscatter Quality Flags and the COCG Altmeter Range SSHA, SWH and Backscatter Quality Flags and the COCG Altmeter Range SSHA, SWH and Backscatter Quality Flags and the COCG Altmeter Range SSHA, SWH and Backscatter Quality Flags and the COCG Altmeter Range SSHA, SWH and Backscatter Quality Flags and the COCG Altmeter Range SSHA, SWH and Backscatter Quality Flags and the COCG Altmeter Range and Backscatter Quality Flags and the COCG Altmeter Range and Backscatter Quality Flags and the COCG Altmeter Range SSHA, SWH and Backscatter Quality Flags and the COCG Altmeter Range and Backscatter Quality Flags and the COCG Altmeter Range SSHA, SWH a	CS_OFFL_SIR_NOPM_2_20201019T181952_20201019T182729_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20201019T194535_20201019T190638_CO01 Allmeter Range and Backscatter Quality Flags have been self core or or nor records. CS_OFFL_SIR_NOPM_2_20201019T190018_20201019T192102_CO01 CS_OFFL_SIR_NOPM_2_20201019T193008_20201019T193400_CO01 CS_OFFL_SIR_NOPM_2_20201019T193008_20201019T193400_CO01 CS_OFFL_SIR_NOPM_2_20201019T193008_20201019T193400_CO01 CS_OFFL_SIR_NOPM_2_20201019T193008_20201019T193400_CO01 CS_OFFL_SIR_NOPM_2_20201019T193008_20201019T195525_CO01 CS_OFFL_SIR_NOPM_2_20201019T194020_20201019T195525_CO01 CS_OFFL_SIR_NOPM_2_20201019T194020_20201019T195525_CO01 CS_OFFL_SIR_NOPM_2_20201019T194020_20201019T200704_CO01 CS_OFFL_SIR_NOPM_2_20201019T201443_20201019T20704_CO01 CS_OFFL_SIR_NOPM_2_20201019T201443_20201019T205509_CO01 CS_OFFL_SIR_NOPM_2_20201019T202444_20201019T205509_CO01 CS_OFFL_SIR_NOPM_2_20201019T205509_20201019T205509_CO01 CS_OFFL_SIR_NOPM_2_20201019T205509_20201019T205509_CO01 CS_OFFL_SIR_NOPM_2_20201019T205509_20201019T205509_CO01 CS_OFFL_SIR_NOPM_2_20201019T21533_20201019T215628_CO01 CS_OFFL_SIR_NOPM_2_20201019T21533_20201019T215628_CO01 CS_OFFL_SIR_NOPM_2_20201019T21533_20201019T220569_CO01 CS_OFFL_SIR_NOPM_2_20201019T21533_20201019T215628_CO01 CS_OFFL_SIR_NOPM_2_20201019T21533_20201019T215628_CO01 CS_OFFL_SIR_NOPM_2_20201019T21533_20201019T215628_CO01 CS_OFFL_SIR_NOPM_2_20201019T21533_20201019T215628_CO01 CS_OFFL_SIR_NOPM_2_20201019T21533_20201019T220738_CO01 CS_OFFL_SIR_NOPM_2_20201019T21533_20201019T215628_CO01 CS_OFFL_SIR_NOPM_2_20201019T21533_20201019T22033_CO01 CS_OFFL_SIR_NOPM_2_20201019T21533_20201019T22033_CO01 CS_OFFL_SIR_NOPM_2_20201019T21533_20201019T22033_CO01 CS_OFFL_SIR_NOPM_2_20201019T21533_20201019T22033_CO01 CS_OFFL_SIR_NOPM_2_20201019T21533_20201019T22033_CO01 CS_OFFL_SIR_NOPM_2_20201019T21533_20201019T22033_CO01 CS_OFFL_SIR_NOPM_2_20201019T21533_20201019T22033_CO01 CS_OFFL_SIR_NOPM_2_20201019T21533_20201019T22033_CO01 CS_OFFL_SIR_NOPM_2_20201019T21533_20201019T22033_CO01 CS_OFFL_SIR_NOPM_2_20201019T20334_20201019T22033_CO	CS_OFFL_SIR_NOPM_2_20201019T183304_20201019T183818_C001		
and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Range Ra	CS_OFFL_SIR_NOPM_2_20201019T184535_20201019T190633_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality. CCG Allimeter Range and Backscatter Quality. CCG Backscatter Quality. CCG Allimeter Range and Backscatter Quality. CCG Backscatter Quality. CCG Allimeter Range and Backscatter Quality. CCG Backscatter Quality. CCG Allimeter Range and Backscatter Quality. CCG Backscatter Quality. CCG Backscatter Quality. CCG Allimeter Range and Backscatter Quality. CCG Backscatter Quality. CCG Backscatter Quality. CCG CS_OFFL_SIR_NOPM_2_20201019T202444_20201019T205411_C001 CS_OFFL_SIR_NOPM_2_20201019T205444_20201019T2054511_C001 CS_OFFL_SIR_NOPM_2_20201019T205506_20201019T205859_C001 CS_OFFL_SIR_NOPM_2_20201019T205506_20201019T205859_C001 CS_OFFL_SIR_NOPM_2_20201019T211313_20201019T214456_C001 CS_OFFL_SIR_NOPM_2_20201019T215433_20201019T215628_C001 CS_OFFL_SIR_NOPM_2_20201019T215632_20201019T215628_C001 CS_OFFL_SIR_NOPM_2_20201019T215632_20201019T205706_C001 CS_OFFL_SIR_NOPM_2_20201019T215632_20201019T205706_C001 CS_OFFL_SIR_NOPM_2_20201019T215632_20201019T22033_C001 CS_OFFL_SIR_NOPM_2_20201019T215632_20201019T22033_C001 CS_OFFL_SIR_NOPM_2_20201019T215632_20201019T22033_C001 CS_OFFL_SIR_NOPM_2_20201019T20559_20201019T22033_C001 CS_OFFL_SIR_NOPM_2_20201019T20559_20201019T22033_C001 CS_OFFL_SIR_NOPM_2_20201019T20559_20201019T22033_C001 CS_OFFL_SIR_NOPM_2_20201019T20559_20201019T22033_C001 CS_OFFL_SIR_NOPM_2_20201019T20559_20201019T22033_C001 CS_OFFL_SIR_NOPM_2_20201019T20559_20201019T22033_C001 CS_OFFL_SIR_NOPM_2_20201019T20559_20201019T22033_C001 CS_OFFL_SIR_NOPM_2_20201019T20559_20201019T22033_C001 CS_OFFL_SIR_NOPM_2_20201019T20559_20201019T20	CS_OFFL_SIR_NOPM_2_20201019T190918_20201019T192102_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, CCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, CCOG Cean Altimeter Range, SSHA, SWH and Backscatter Quality, CCOG Altimeter Range, CCC	CS_OFFL_SIR_NOPM_2_20201019T193008_20201019T193400_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality of Section of Mitmeter Range and Backscatter Quality of Section of more records. CS_OFFL_SIR_NOPM_2_20201019T201443_20201019T201720_C001 CS_OFFL_SIR_NOPM_2_20201019T202444_20201019T205411_C001 CS_OFFL_SIR_NOPM_2_20201019T202444_20201019T205411_C001 CS_OFFL_SIR_NOPM_2_20201019T202444_20201019T205411_C001 CS_OFFL_SIR_NOPM_2_20201019T205566_20201019T205859_C001 CS_OFFL_SIR_NOPM_2_20201019T205566_20201019T205859_C001 CS_OFFL_SIR_NOPM_2_20201019T213133_20201019T214456_C001 CS_OFFL_SIR_NOPM_2_20201019T215433_20201019T215628_C001 CS_OFFL_SIR_NOPM_2_20201019T215433_20201019T215628_C001 CS_OFFL_SIR_NOPM_2_20201019T215433_20201019T215628_C001 CS_OFFL_SIR_NOPM_2_20201019T215433_20201019T20133_C001 CS_OFFL_SIR_NOPM_2_20201019T20359_20201019T20706_C001 CS_OFFL_SIR_NOPM_2_20201019T20359_20201019T220706_C001 CS_OFFL_SIR_NOPM_2_20201019T200559_20201019T200506_C001 CS_OFF	CS_OFFL_SIR_NOPM_2_20201019T194920_20201019T195525_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20201019T205506_20201019T205559_C001 CS_OFFL_SIR_NOPM_2_20201019T205506_20201019T205559_C001 CS_OFFL_SIR_NOPM_2_20201019T205506_20201019T205559_C001 CS_OFFL_SIR_NOPM_2_20201019T205506_20201019T205559_C001 CS_OFFL_SIR_NOPM_2_20201019T205506_20201019T205559_C001 CS_OFFL_SIR_NOPM_2_20201019T205506_20201019T205559_C001 CS_OFFL_SIR_NOPM_2_20201019T21313_20201019T214456_C001 CS_OFFL_SIR_NOPM_2_20201019T21313_20201019T214456_C001 CS_OFFL_SIR_NOPM_2_20201019T215433_20201019T215628_C001 CS_OFFL_SIR_NOPM_2_20201019T215433_20201019T215628_C001 CS_OFFL_SIR_NOPM_2_20201019T215832_20201019T220133_C001 CS_OFFL_SIR_NOPM_2_20201019T20559_20201019T220133_C001 CS_OFFL_SIR_NOPM_2_20201019T20559_20201019T220133_C001 CS_OFFL_SIR_NOPM_2_20201019T20559_20201019T220706_C001 CS_OFFL_SIR_NOPM_2_20201019T20705_2001 CS_OFFL_SIR_NOPM_2_20201019T20705_2001 CS_OFFL_SIR_NOPM_2_20201019T20705_2001 CS_OFFL_SIR_NOPM_2_20201019T20705_2001 CS_OFFL_SIR_NOPM_2_20201019T20705_2001 CS_OFFL_SIR_NOPM_2_20201019T200705_2001 CS_OFFL_SIR_NOPM_2_20201019T200705_2001019T200705_2001 CS_OFFL_SIR_NOPM_2_20201019T200705_2001019T200705_2001 CS_OFFL_SIR_NOPM_2_20201019T200705_2001019T200705_2001 CS_OFFL_SIR_NOPM_2_20201	CS_OFFL_SIR_NOPM_2_20201019T195712_20201019T200704_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Altimeter Range, SSHA, SWH and Backscatter Quality Altimeter Range, SSHA, SWH and Backscatter Quality Altimeter Range and Backscatter Quality Altimeter Range, SSHA, SWH and Backscatter Quality Altimeter Range and Backscatter Quality Altimeter Range and Backscatter Quality Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Backscatter Quality, OCOG Backscatter Quality CS_OFFL_SIR_NOPM_2_20201019T215832_20201019T220133_C001 CS_OFFL_SIR_NOPM_2_20201019T225832_20201019T220133_C001 CS_OFFL_SIR_NOPM_2_20201019T220359_20201019T220706_C001 CS_OFFL_SIR_NOPM_2_20201019T220359_20201019T220706_C001 CS_OFFL_SIR_NOPM_2_20201019T220359_20201019T220706_C001 CS_OFFL_SIR_NOPM_2_20201019T220734_20201019T222031_C001 CS_OFFL_SIR_NOPM_2_20201019T220734_20201019T222031_C001 CS_OFFL_SIR_NOPM_2_20201019T220734_20201019T222031_C001 CS_OFFL_SIR_NOPM_2_20201019T220734_20201019T222031_C001 CS_OFFL_SIR_NOPM_2_20201019T220734_20201019T22031_C001 CS_OFFL	CS_OFFL_SIR_NOPM_2_20201019T201443_20201019T201720_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20201019T211313_20201019T214456_C001 CS_OFFL_SIR_NOPM_2_20201019T215433_20201019T215628_C001 CS_OFFL_SIR_NOPM_2_20201019T215433_20201019T215628_C001 CS_OFFL_SIR_NOPM_2_20201019T215832_20201019T220133_C001 CS_OFFL_SIR_NOPM_2_20201019T215832_20201019T220133_C001 CS_OFFL_SIR_NOPM_2_20201019T215832_20201019T220133_C001 CS_OFFL_SIR_NOPM_2_20201019T220359_20201019T220706_C001 CS_OFFL_SIR_NOPM_2_20201019T220359_20201019T220706_C001 CS_OFFL_SIR_NOPM_2_20201019T220359_20201019T220706_C001 CS_OFFL_SIR_NOPM_2_20201019T220734_20201019T22031_C001 CS_OFFL_SIR_NOPM_	CS_OFFL_SIR_NOPM_2_20201019T202444_20201019T205411_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20201019T215433_20201019T215628_C001 CS_OFFL_SIR_NOPM_2_20201019T215832_20201019T220133_C001 CS_OFFL_SIR_NOPM_2_20201019T215832_20201019T220133_C001 CS_OFFL_SIR_NOPM_2_20201019T220359_20201019T220706_C001 CS_OFFL_SIR_NOPM_2_20201019T220359_20201019T220706_C001 CS_OFFL_SIR_NOPM_2_20201019T220359_20201019T22031_C001 CS_OFFL_SIR_NOPM_2_20201019T220734_20201019T222031_C001 CS_OFFL_SIR_NOPM_2_20201019T222034_20201019T222031_C001 CS_OFFL_SIR_NOPM_2_20201019T222034_20201019T222031	CS_OFFL_SIR_NOPM_2_20201019T205506_20201019T205859_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_NOPM_2_20201019T215832_20201019T220133_C001 CS_OFFL_SIR_NOPM_2_20201019T220359_20201019T220706_C001 CS_OFFL_SIR_NOPM_2_20201019T220359_20201019T220706_C001 CS_OFFL_SIR_NOPM_2_20201019T220359_20201019T220706_C001 CS_OFFL_SIR_NOPM_2_20201019T220359_20201019T220706_C001 CS_OFFL_SIR_NOPM_2_20201019T220359_20201019T220706_C001 CS_OFFL_SIR_NOPM_2_20201019T220359_20201019T220706_C001 CS_OFFL_SIR_NOPM_2_20201019T220359_20201019T220706_C001 CS_OFFL_SIR_NOPM_2_20201019T220734_20201019T222031_C001 CS_OFFL_SIR_NOPM_2_20201019T220734_20201019T222031_C001 CS_OFFL_SIR_NOPM_2_20201019T220734_20201019T222031_C001 CS_OFFL_SIR_NOPM_2_20201019T220734_20201019T222031_C001 CS_OFFL_SIR_NOPM_2_20201019T220734_20201019T222031_C001 CS_OFFL_SIR_NOPM_2_20201019T22034_20201019T222031_C001 CS_OFFL_SIR_NOPM_2_20201019T222034_20201019T223155_C001 CS_OFFL_SIR_NOPM_2_20201019T22034_20201019T223155_C001 CS_OFFL_SIR_NOPM_2_20201019T22034_20201019T223155_C	CS_OFFL_SIR_NOPM_2_20201019T211313_20201019T214456_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_NOPM_2_20201019T220359_20201019T220706_C001 CS_OFFL_SIR_NOPM_2_20201019T220359_20201019T220706_C001 CS_OFFL_SIR_NOPM_2_20201019T220359_20201019T220706_C001 CS_OFFL_SIR_NOPM_2_20201019T220734_20201019T222031_C001 CS_OFFL_SIR_NOPM_2_20201019T220734_20201019T22031_C001 CS_OFFL_SIR_NOPM_2_20201019T220734_20201019T22031_C001 CS_OFFL_SIR_NOPM_2_20201019T220734_20201019T22031_C001 CS_OFFL_SIR_NOPM_2_20201019T220734_20201019T22031_C001 CS_OFFL_SIR_NOPM_2_20201019T220734_20201019T22031_C001 CS_OFFL_SIR_NOPM_2_20201019T220734_20201019T22031_C001 CS_OFFL_SIR_NOPM_2_20201019T220734_20201019T220731_C001 CS_OFFL_SIR_NOPM_2_20201019T220734_20201019T220731_C001 CS_OFFL_SIR_NOPM_2_20201019T220734_20201019T220731_C001 CS_OFFL_SIR_NOPM_2_20201019T220734_20201019T220731_C001 CS_OFFL_SIR_NOPM_2_20201019T220734_20201019T220731_C001 CS_OFFL_SIR_NOPM_2_20201019T220734_20201019T220731_C001 CS_OFFL_SIR_NOPM_2_20201019T220734_20201019T220731_C001 CS_OFFL_SIR_NOPM_2_20201019T220734_20201019T220731_C001 CS_OFFL_SIR_NOPM_2_20201019T220734_20201019T220735_C001 CS_OFFL_SIR_NOPM_2_20201019T220734_20201019T220735_C001 CS_OFFL_SIR_NOPM_2_20201019T220734_2	CS_OFFL_SIR_NOPM_2_20201019T215433_20201019T215628_C001		
CS_OFFL_SIR_NOPM_2_20201019T220359_20201019T220706_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags And Backscat	CS_OFFL_SIR_NOPM_2_20201019T215832_20201019T220133_C001		
CS_OFFL_SIR_NOPM_2_20201019T220734_20201019T222031_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPM_2_20201019T220359_20201019T220706_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20201019T222034_20201019T223155_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_NOPM_2_20201019T220734_20201019T222031_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_NOPM_2_20201019T222034_20201019T223155_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_NOPM_2_20201019T224828_20201019T229595_C001 CS_OFFL_SIR_NOPM_2_20201019T229308_20201019T239595_C001 CS_OFFL_SIR_NOPM_2_20201019T233308_20201019T233548_C001 CS_OFFL_SIR_NOPM_2_20201019T233308_20201019T233548_C001 CS_OFFL_SIR_NOPM_2_20201019T233308_20201019T234034_C001 CS_OFFL_SIR_NOPM_2_20201019T233308_20201019T234034_C001 CS_OFFL_SIR_NOPM_2_20201019T239506_20201019T234034_C001 CS_OFFL_SIR_NOPM_2_20201019T239506_20201019T234034_C001 CS_OFFL_SIR_NOPM_2_20201019T239506_20201019T234034_C001 CS_OFFL_SIR_NOPM_2_20201019T239506_20201019T234034_C001 CS_OFFL_SIR_NOPM_2_20201019T239506_20201019T2395722_C001 CS_OFFL_SIR_NOPM_2_20201019T239506_20201019T239572_C001 CS_OFFL_SIR_NOPM_2_20201019T239506_20201019T239572_C001 CS_OFFL_SIR_NOPM_2_20201019T239506_20201019T239572_C001 CS_OFFL_SIR_NOPM_2_20201019T239506_20201019T000145_C001 CS_OFFL_SIR_NOPM_2_20201019T239506_20201019T000045_C001 CS_OFFL_SIR_NOPM_2_20201019T239506_20201019T000056_C001 CS_OFFL_SIR_NOPM_2_20201019T1239506_20201019T1000056_C001 CS_OFFL_SIR_NOPM_2_20201019T133956_20201019T133956_C001 CS_OFFL_SIR_NOPM_2_20201019T133956_20201019T139524_C001 CS_OFFL_SIR_NOPM_2_20201019T133956_20201019T1395	CS_OFFL_SIR_NOPM_2_20201019T223640_20201019T223709_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
and the OCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20201019T233308_20201019T233548_C001 CS_OFFL_SIR_NOPM_2_20201019T233308_20201019T233548_C001 CS_OFFL_SIR_NOPM_2_20201019T233308_20201019T234034_C001 CS_OFFL_SIR_NOPM_2_20201019T233506_20201019T234034_C001 CS_OFFL_SIR_NOPM_2_20201019T234041_20201019T235722_C001 CS_OFFL_SIR_NOPM_2_20201019T234041_20201019T235722_C001 CS_OFFL_SIR_NOPM_2_20201019T235902_20201020T000145_C001 CS_OFFL_SIR_NOPM_2_20201019T235902_20201020T000145_C001 CS_OFFL_SIR_NOPM_2_20201019T235902_20201020T000145_C001 CS_OFFL_SIR_NOPM_2_20201019T235902_20201020T000145_C001 CS_OFFL_SIR_NOPM_2_20201019T06666_C001 CS_OFFL_SIR_NOPM_2_20201019T06669_20201019T06666_C001 CS_OFFL_SIR_NOPM_2_20201019T123515_20201019T125323_C001 CS_OFFL_SIR_NOPM_2_20201019T125315_20201019T125323_C001 CS_OFFL_SIR_NOPM_2_20201019T133950_20201019T133956_C001 CS_OFFL_SIR_NOPM_2_20201019T133950_20201019T133956_C001 CS_OFFL_SIR_NOPM_2_20201019T133950_20201019T133956_C001 CS_OFFL_SIR_NOPM_2_20201019T133950_20201019T133956_C001 CS_OFFL_SIR_NOPM_2_20201019T133950_20201019T133956_C001 CS_OFFL_SIR_NOPM_2_20201019T133950_20201019T133956_C001 CS_OFFL_SIR_NOPM_2_20201019T133950_20201019T133956_C001 CS_OFFL_SIR_NOPM_2_20201019T133950_20201019T133956_C001 CS_OFFL_SIR_NOPM_2_20201019T133950_20201019T133956_C001 CS_OFFL_SIR_NOPR_2_20201019T133931_20201019T133234_C001 CS_OFFL_SIR_NOPR_2_20201019T1133331_20201019T133234_C001 CS_OFFL_SIR_NOPR_2_20201019T1133331_20201019T133234_C001 CS_OFFL_SIR_NOPR_2_20201019T133331_20201019T133234_C001 CS_OFFL_SIR_NOPR_2_20201019T133331_20201019T133234_C001 CS_OFFL_SIR_NOPR_2_20201019T133331_20201019T133234_C001 CS_OFFL_SIR_NOPR_2_20201019T133331_20201019T133234_C001 CS_OFFL_SIR_NOPR_2_20201019T133331_20201019T133234_C001 CS_OFFL_SIR_NOPR_2_20201019T133331_20201019T133234_C001 CS_OFFL_SIR_NOPR_2_20201019T133331_20201019T133234_C001 CS_OFFL_SIR_NOPR_2_20201019T133331_20201019T133234_C001 CS_OFFL_SIR_NOPR_2_2020101	CS_OFFL_SIR_NOPM_2_20201019T224828_20201019T225056_C001		
Backscatter Quality CS_OFFL_SIR_NOPM_2_20201019T233606_20201019T23404_C001 CS_OFFL_SIR_NOPM_2_20201019T233606_20201019T23404_C001 CS_OFFL_SIR_NOPM_2_20201019T234341_20201019T235722_C001 CS_OFFL_SIR_NOPM_2_20201019T234341_20201019T235722_C001 CS_OFFL_SIR_NOPM_2_20201019T235902_20201020T000145_C001 CS_OFFL_SIR_NOPM_2_20201019T235902_20201020T000145_C001 CS_OFFL_SIR_NOPM_2_20201019T060609_20201020T000145_C001 CS_OFFL_SIR_NOPM_2_20201019T060609_20201019T060656_C001 CS_OFFL_SIR_NOPM_2_20201019T060609_20201019T060656_C001 CS_OFFL_SIR_NOPM_2_20201019T125315_20201019T125323_C001 CS_OFFL_SIR_NOPM_2_20201019T125315_20201019T133366_C001 CS_OFFL_SIR_NOPM_2_20201019T133950_20201019T133366_C001 CS_OFFL_SIR_NOPM_2_20201019T133950_20201019T133366_C001 CS_OFFL_SIR_NOPM_2_20201019T133950_20201019T133366_C001 CS_OFFL_SIR_NOPM_2_20201019T133950_20201019T133366_C001 CS_OFFL_SIR_NOPM_2_20201019T133950_20201019T133366_C001 CS_OFFL_SIR_NOPM_2_20201019T133950_20201019T133366_C001 CS_OFFL_SIR_NOPM_2_20201019T133950_20201019T133366_C001 CS_OFFL_SIR_NOPM_2_20201019T133950_20201019T1333366_C001 CS_OFFL_SIR_NOPM_2_20201019T133950_20201019T1333366_C001 CS_OFFL_SIR_NOPM_2_20201019T133950_20201019T133366_C001 CS_OFFL_SIR_NOPM_2_20201019T133950_20201019T133366_C001 CS_OFFL_SIR_NOPM_2_20201019T1333950_20201019T1333950_C001 CS_OFFL_SIR_NOPM_2_20201019T1333950_20201019T1333950_C001 CS_OFFL_SIR_NOPM_2_20201019T1333950_20201019T111608_C001 CS_OFFL_SIR_NOPM_2_20201019T11333950_20201019T111608_C001 CS_OFFL_SIR_NOPM_2_20201019T11333950_20201019T111608_C001 CS_OFFL_SIR_NOPM_2_20201019T111608_C001 CS_OFFL_SIR_NOPM_2_20201019T1133301_20201019T113234_C001 CS_OFFL_SIR_NOPM_2_20201019T1133301_20201019T113234_C001 CS_OFFL_SIR_NOPM_2_20201019T1133301_20201019T113234_C001 CS_OFFL_SIR_NOPM_2_20201019T1133301_20201019T113234_C001 CS_OFFL_SIR_NOPM_2_20201019T1133301_20201019T113234_C001 CS_OFFL_SIR_NOPM_2_20201019T1133301_20201019T133234_C001 CS_OFFL_SIR_NOPM_2_20201019T1133301_20201019T133234_C001 CS_OFFL_SIR_NOPM_2_20201019T13	CS_OFFL_SIR_NOPM_2_20201019T225330_20201019T230935_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_NOPM_2_20201019T234341_20201019T235722_C001 CS_OFFL_SIR_NOPM_2_20201019T235902_20201020T000145_C001 CS_OFFL_SIR_NOPM_2_20201019T235902_20201020T000145_C001 CS_OFFL_SIR_NOPM_2_20201019T060669_20201019T060666_C001 CS_OFFL_SIR_NOPM_2_20201019T060669_20201019T060666_C001 CS_OFFL_SIR_NOPM_2_20201019T125315_20201019T125323_C001 CS_OFFL_SIR_NOPM_2_20201019T125315_20201019T125323_C001 CS_OFFL_SIR_NOPM_2_20201019T125315_20201019T125323_C001 CS_OFFL_SIR_NOPM_2_20201019T125315_20201019T125323_C001 CS_OFFL_SIR_NOPM_2_20201019T133950_20201019T133956_C001 CS_OFFL_SIR_NOPM_2_20201019T133950_20201019T133956_C001 CS_OFFL_SIR_NOPM_2_20201019T133950_20201019T133956_C001 CS_OFFL_SIR_NOPM_2_20201019T133950_20201019T133956_C001 CS_OFFL_SIR_NOPM_2_20201019T133950_20201019T133956_C001 CS_OFFL_SIR_NOPM_2_20201019T133950_20201019T133956_C001 CS_OFFL_SIR_NOPM_2_20201019T133950_20201019T133956_C001 CS_OFFL_SIR_NOPM_2_20201019T095147_20201019T095627_C001 CS_OFFL_SIR_NOPM_2_20201019T095147_20201019T095627_C001 CS_OFFL_SIR_NOPM_2_20201019T111432_20201019T111608_C001 CS_OFFL_SIR_NOPM_2_20201019T1133395_C001 CS_OFFL_SIR_NOPM_2_20201019T1133395_C001 CS_OFFL_SIR_NOPM_2_20201019T1133395_C001 CS_OFFL_SIR_NOPM_2_20201019T1133395_C001 CS_OFFL_SIR_NOPM_2_20201019T1133395_C001 CS_OFFL_SIR_NOPM_2_20201019T1133395_C001 CS_OFFL_SIR_NOPM_2_20201019T1133395_C001 CS_OFFL_SIR_NOPM_2_20201019T111432_20201019T111608_C001 CS_OFFL_SIR_NOPM_2_20201019T111432_20201019T111608_C001 CS_OFFL_SIR_NOPM_2_20201019T111432_20201019T111608_C001 CS_OFFL_SIR_NOPM_2_20201019T1133331_20201019T1133234_C001 CS_OFFL_SIR_NOPM_2_20201019T1133331_20201019T1133234_C001 CS_OFFL_SIR_NOPM_2_20201019T1133331_20201019T1133234_C001 CS_OFFL_SIR_NOPM_2_20201019T1133331_20201019T133234_C001 CS_OFFL_SIR_NOPM_2_20201019T1133331_20201019T133234_C001 CS_OFFL_SIR_NOPM_2_20201019T1133331_20201019T133234_C001 CS_OFFL_SIR_NOPM_2_20201019T133331_20201019T133234_C001 CS_OFFL_SIR_NOPM_2_20201019T133331_20201019T133234_C001 CS_OFFL_SIR_	CS_OFFL_SIR_NOPM_2_20201019T233308_20201019T233548_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Range Ra	CS_OFFL_SIR_NOPM_2_20201019T233606_20201019T234034_C001		
Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Set for one or more records. CS_OFFL_SIR_NOPN_2_20201019T060609_20201019T060656_C001 CS_OFFL_SIR_NOPN_2_20201019T125315_20201019T125323_C001 CS_OFFL_SIR_NOPN_2_20201019T125315_20201019T125323_C001 CS_OFFL_SIR_NOPN_2_20201019T125315_20201019T125323_C001 CS_OFFL_SIR_NOPN_2_20201019T133950_20201019T133956_C001 CS_OFFL_SIR_NOPN_2_20201019T133950_20201019T133956_C001 CS_OFFL_SIR_NOPR_2_20201019T133950_20201019T133956_C001 CS_OFFL_SIR_NOPR_2_20201019T095147_20201019T095627_C001 CS_OFFL_SIR_NOPR_2_20201019T133031_20201019T111608_C001 CS_OFFL_SIR_NOPR_2_20201019T133031_20201019T133234_C001 CS_OFFL_SIR_NOPR_2_20201019T133031_20201019T133234_C001 CS_OFFL_SIR_NOPR_2_20201019T133031_20201019T133234_C001 CS_OFFL_SIR_NOPR_2_20201019T133031_20201019T133234_C001 CS_OFFL_SIR_NOPR_2_20201019T133031_20201019T133234_C001 CS_OFFL_SIR_NOPR_2_20201019T133031_20201019T133234_C001 CS_OFFL_SIR_NOPR_2_20201019T133031_20201019T133234_C001 CS_OFFL_SIR_NOPR_2_20201019T133031_20201019T133234_C001 CS_OFFL_SIR_NOPR_2_20201019T130031_20201019T133234_C001 CS_OFFL_SIR_NOPR_2_20201019T130031_20201019T133234_C001 CS_OFFL_SIR_NOPR_2_20201019T130031_20201019T133234_C001 CS_OFFL_SIR_NOPR_2_20201019T130031_20201019T133234_C001 CS_OFFL_SIR_NOPR_2_20201019T130031_20201019T133234_C001 CS_OFFL_SIR_NOPR_2_20201019T130031_20201019T133234_C001 CS_OFFL_SIR_NOPR_2_20201019T130031_20201019T133234_C001 CS_OFFL_SIR_NOPR_2_20201019T130031_20201019T133234_C001 CS_OFFL_SIR_NOPR_2_20201019T130031_20201019T13203_C001	CS_OFFL_SIR_NOPM_2_20201019T234341_20201019T235722_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20201019T125315_20201019T125323_C001 CS_OFFL_SIR_NOPN_2_20201019T133950_20201019T133956_C001 CS_OFFL_SIR_NOPN_2_20201019T133950_20201019T133956_C001 CS_OFFL_SIR_NOPR_2_20201019T133950_20201019T133956_C001 CS_OFFL_SIR_NOPR_2_20201019T095147_20201019T095627_C001 CS_OFFL_SIR_NOPR_2_20201019T095147_20201019T111608_C001 CS_OFFL_SIR_NOPR_2_20201019T111432_20201019T111608_C001 CS_OFFL_SIR_NOPR_2_20201019T133031_20201019T133234_C001 CS_OFFL_SIR_NOPR_2_20201019T133031_20201019T133234_C001 CS_OFFL_SIR_NOPR_2_20201019T133031_20201019T133234_C001 CS_OFFL_SIR_NOPR_2_20201019T150959_20201019T151203_C001 CS_OFFL_SIR_NOPR_2_20201019T150959_20201019T15151203_C001 CS_OFFL_SIR_NOPR_2_20201019T150959_20201019T15151203_C001 CS_OFFL_SIR_NOPR_2_20201019T150959_20201019T15151203_C001 CS_OFFL_SIR_NOPR_2_20201019T150959_20201019T15151203_C001 CS_OFFL_SIR_NOPR_2_20201019T150959_20201019T15151203_C001 CS_OFFL_SIR_NOPR_2_20201019T150959_2020	CS_OFFL_SIR_NOPM_2_20201019T235902_20201020T000145_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Set for one or more records. CS_OFFL_SIR_NOPN_2_20201019T133950_20201019T133956_C001 CS_OFFL_SIR_NOPR_2_20201019T095147_20201019T095627_C001 CS_OFFL_SIR_NOPR_2_20201019T095147_20201019T095627_C001 CS_OFFL_SIR_NOPR_2_20201019T111432_20201019T111608_C001 CS_OFFL_SIR_NOPR_2_20201019T133031_20201019T133234_C001 CS_OFFL_SIR_NOPR_2_20201019T133031_20201019T133234_C001 CS_OFFL_SIR_NOPR_2_20201019T150959_20201019T151203_C001	CS_OFFL_SIR_NOPN_2_20201019T060609_20201019T060656_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_20201019T133950_20201019T133950_C001 Backscatter Quality CS_OFFL_SIR_NOPR_2_20201019T095147_20201019T095627_C001 CS_OFFL_SIR_NOPR_2_20201019T111432_20201019T111608_C001 CS_OFFL_SIR_NOPR_2_20201019T111432_20201019T111608_C001 CS_OFFL_SIR_NOPR_2_20201019T1133031_20201019T133234_C001 CS_OFFL_SIR_NOPR_2_20201019T133031_20201019T133234_C001 CS_OFFL_SIR_NOPR_2_20201019T133031_20201019T133234_C001 CS_OFFL_SIR_NOPR_2_20201019T150959_20201019T151203_C001 Backscatter Quality Coean Altimeter Range Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20201019T133031_20201019T133234_C001 CS_OFFL_SIR_NOPR_2_20201019T150959_20201019T151203_C001	CS_OFFL_SIR_NOPN_2_20201019T125315_20201019T125323_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_20201019T095147_20201019T095627_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Backscatter Quality, OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Backscatter Quality CS_OFFL_SIR_NOPR_2_20201019T111432_20201019T111608_C001 CS_OFFL_SIR_NOPR_2_20201019T133031_20201019T133234_C001 CS_OFFL_SIR_NOPR_2_20201019T133031_20201019T133234_C001 CS_OFFL_SIR_NOPR_2_20201019T130031_20201019T13203_C001 CS_OFFL_SIR_NOPR_2_20201019T150959_20201019T151203_C001	CS_OFFL_SIR_NOPN_2_20201019T133950_20201019T133956_C001		
Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Set for one or more records. Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flag	CS_OFFL_SIR_NOPR_2_20201019T095147_20201019T095627_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_20201019T133031_20201019T133234_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and Backscatter Quality Flag	CS_OFFL_SIR_NOPR_2_20201019T111432_20201019T111608_C001		
CS_OFFL_SIR_NOPR_2_20201019T150959_20201019T151203_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_NOPR_2_20201019T133031_20201019T133234_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_NOPR_2_20201019T150959_20201019T151203_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

L2 Quality Flags (20Hz PLRM)

Currently, there are several common flags raised in the Level 2 products, which are summarised below. The table provides the full list of products flagged.

- > Ocean Altimeter Range, SSHA, SWH and Backscatter PLRM Quality Flags: These flags are currently set for occasional records over sea ice.
- > OCOG Altimeter Range and Backscatter PLRM Quality Flags: These flags are currently set for occasional records over continental ice.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPN_2_20201019T000010_20201019T000537_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T002053_20201019T002254_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T003108_20201019T003255_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T005801_20201019T010146_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T011706_20201019T012253_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T020347_20201019T020425_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T020942_20201019T021218_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T023738_20201019T023806_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T033946_20201019T034107_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.

	OCOG Altimeter Range Quality PLRM,	The OCOG Range and Backscatter Quality Flags have been set for one or
CS_OFFL_SIR_NOPN_2_20201019T043926_20201019T044309_C001	OCOG Backscatter Quality	more records.
CS_OFFL_SIR_NOPN_2_20201019T051936_20201019T052302_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T052829_20201019T052946_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T070720_20201019T070843_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T072859_20201019T073225_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T074826_20201019T075058_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T084609_20201019T084727_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T092857_20201019T093001_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T101412_20201019T101547_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T102318_20201019T102518_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T110701_20201019T110916_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T115327_20201019T115515_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T120959_20201019T121447_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T122122_20201019T122550_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T123912_20201019T124034_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T124240_20201019T124751_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T125854_20201019T125856_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T130346_20201019T130745_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T133234_20201019T133544_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T141435_20201019T141640_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T142035_20201019T142615_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T143619_20201019T143742_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T151203_20201019T151328_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T152222_20201019T152344_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T155844_20201019T160308_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T170128_20201019T170240_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

CS OFFL SIR NOPN 2 20201019T175305 20201019T175338 C001	OCOG Altimeter Range Quality PLRM,	The OCOG Range and Backscatter Quality Flags have been set for one or
	OCOG Backscatter Quality	more records.
CS_OFFL_SIR_NOPN_2_20201019T175449_20201019T175612_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T180845_20201019T181029_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T183818_20201019T184121_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T194720_20201019T194920_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T201137_20201019T201443_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T201720_20201019T202203_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T210827_20201019T211212_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T225057_20201019T225329_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T231148_20201019T231222_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201019T232657_20201019T233308_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20201019T013129_20201019T013208_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20201019T015807_20201019T020026_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20201019T024823_20201019T025027_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20201019T025223_20201019T025725_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20201019T043041_20201019T043926_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20201019T051455_20201019T051936_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20201019T052947_20201019T053243_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20201019T060311_20201019T060554_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20201019T061017_20201019T061821_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20201019T065510_20201019T065841_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20201019T070843_20201019T071247_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20201019T075058_20201019T075836_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20201019T084728_20201019T085307_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20201019T093002_20201019T093712_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20201019T101319_20201019T101411_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_NOPR_2_20201019T102105_20201019T102111_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20201019T102518_20201019T103122_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20201019T104447_20201019T104700_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20201019T110527_20201019T110700_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20201019T124752_20201019T125315_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20201019T130839_20201019T131005_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20201019T134453_20201019T134702_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20201019T143356_20201019T143539_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20201019T150959_20201019T151203_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20201019T161422_20201019T161531_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20201019T164919_20201019T165205_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20201019T170240_20201019T170708_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20201019T173952_20201019T174046_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20201019T181700_20201019T181952_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20201019T182729_20201019T183137_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20201019T184121_20201019T184534_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20201019T193400_20201019T194007_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20201019T200705_20201019T201137_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20201019T202230_20201019T202444_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20201019T211212_20201019T211226_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20201019T220256_20201019T220358_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20201019T230935_20201019T231147_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20201019T235723_20201019T235902_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (1 Hz & 1Hz PLRM)

Currently, there are several common flags raised in the Level 2 products, which are summarised below.

> 1Hz and 1Hz Ocean SSHA Quality Flags: These flags are currently set for products over sea ice, which is to be expected.

Number of products with errors:

166

5.7 L2 Ocean Retracking Quality Check

L2 Retracking Flags (20Hz)

Number of products with errors:

55

L2 Retracking Flags (20Hz, PLRM)

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

Ocean Retracking Quality Flag (PLRM): This flag is currently set for products NOPR and NOPN products over sea ice, but this is to be expected.

Number of products with errors:

122

7. NOP QCC Report Analysis

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

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_NOPM1B	159	159	5	154	0
SIR_NOPR1B	86	86	0	86	0
SIR_NOPN1B	94	94	1	93	0
SIR_NOPM_2	159	159	106	53	0
SIR_NOPR_2	86	86	20	65	1
SIR NOPN 2	94	94	37	57	0

7.1 QCC Errors

Number of QCC reports with errors:

6

Total number of occurrences of each error

SIR NOPR 2 1 1 1 1 1 1 1 1	Product Type	RLOBOPNCDF	RL	RL	RLOBOPNCDF	RL	RL	-	-	-	-	-
	I SIR NOPR 2	1	1	1	1	1	1					

Test Description Key:	est Description Key:						
Abbreviation	Test name	Details					
RLOBOPNCDF	RangeLatitudeOrBlankOP_7NetCDF	Latitude should be between -90E7 and 90E7 - NetCDF					
RL	RangeLatitude_6	Latitude should be between -90E6 and 90E6					
RL	RangeLatitude_7	Latitude should be between -90E7 and 90E7					
RLOBOPNCDF	RangeLongitudeOrBlankOP_7NetCDF	Longitude should be between -180E7 and 180E7 - NetCDF					
RL	RangeLongitude_6	Longitude should be between -180E6 and 180E6					
RL	RangeLongitude_7	Longitude should be between -180E7 and 180E7					

7.2 QCC Warnings

Number of QCC reports with warnings

1633

Total number of occurrences of each warning

Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD
SIR_NOPM1B	154	0	0	0	0	0	0
SIR_NOPM_2	0	0	36	36	2	41	0
SIR_NOPN1B	93	0	0	0	0	0	0
SIR_NOPN_2	0	0	10	33	4	24	28
SIR_NOPR1B	83	0	0	0	0	0	0
SIR_NOPR_2	0	1	32	40	1	33	34

	Product Type	RBSZOPOEPNCDF	ROLTONCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNCI	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF
Ī	SIR_NOPM1B	0	0	0	0	0	0	0
	SIR_NOPM_2	34	1	30	0	0	0	0
	SIR_NOPN1B	0	0	0	0	0	0	0
	SIR_NOPN_2	19	0	0	0	24	0	32
	SIR_NOPR1B	0	0	0	0	0	0	0
	SIR NOPR 2	22	0	0	45	0	50	0

Product Type	RPEPOPLRMNCDF	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
SIR_NOPM1B	0	0	0	0	0	0	0
SIR_NOPM_2	26	0	0	6	26	0	6
SIR_NOPN1B	0	0	0	0	0	0	0
SIR_NOPN_2	0	0	28	16	39	43	28
SIR_NOPR1B	0	0	0	0	0	0	0
SIR_NOPR_2	0	44	0	1	52	39	8

Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHRTASCNSNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF
SIR_NOPM1B	0	0	0	0	0	0	8
SIR_NOPM_2	29	0	3	0	0	0	0
SIR_NOPN1B	0	0	0	0	0	44	1
SIR_NOPN_2	26	27	12	0	0	0	0
SIR_NOPR1B	0	0	0	1	0	86	2
SIR_NOPR_2	39	46	2	0	3	0	0

Test Description Key:		
Abbreviation	Test name	Details
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter
IOHHMOOR	IndexOf1Hzin20HzMappingOutOfRange	The mapping of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1)
MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitude between -70 and 70 degrees
RBSZOPOEPFDPLRM NCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitude between -70 and 70 degrees
RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitude between -70 and 70 degrees
ROLTONCDF	RangeOceanLoadingTideOceanNetCDF	The ocean loading tide should be between -100mm and 100mm (or missing) for surface type = ocean - NetCDI
RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDPLRMSAR NCDF	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
	RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
	RangePeakinessExcludingPolarOPFD2SARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDSINNCDF	RangePeakinessExcludingPolarOPFD2SINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees

RPEPOPLRMNCDF	RangePeakinessExcludingPolarOPLRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPSARNCDF	RangePeakinessExcludingPolarOPSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPSINNCDF	RangePeakinessExcludingPolarOPSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSSBCONCDF	RangeSeaStateBiasCorrectionOceanNetCDF	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean
RSSHAOFDNCDF	RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSSHAOFDPLRMNCD	RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSSHAONCDF	RangeSeaSurfaceHeightAnomalyOceanNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSWHOEPFDNCDF	RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSWHOEPFDPLRMNC	RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node_Start_v2_NetCDF	Rel_Time_ASC_Node_Start mismatch (DBL ASC, rounded up to 0.1)
SOOHHIFHD	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample
SCSTODHRNCDF	SequenceCounterStepTODHRNetCDF	The sequence counter should be modulo 4 higher with regard to the previous sequence counter
SCSTODNCDF	SequenceCounterStepTODNetCDF	The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter

7.3 Missing QCC Reports

Number of products with missing QCC reports:

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