

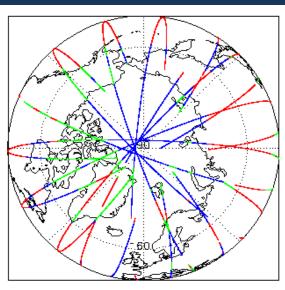
1. Overview

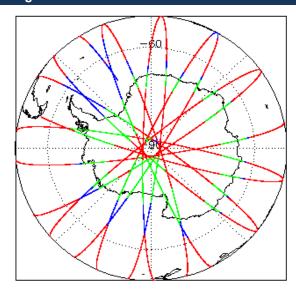
Report Production:	27-Apr-2021	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Near Real Time Ocean Products (NOP) L1B & L2 Science Data	

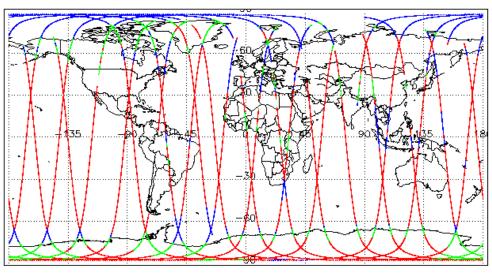
Check	L1 & L2
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Auxiliary Data File Usage Check	Nominal
Auxiliary Correction Error Check	See Section 5.4
Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5
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 / Inst	Mission / Instrument News	
25-Apr-2021	None	
26-Apr-2021	None	
27-Apr-2021	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:

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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:

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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:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20210426T034152_20210426T035300_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

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:

15

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20210426T005643_20210426T010854_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20210426T015928_20210426T021120_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20210426T005610_20210426T005643_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20210426T021537_20210426T021834_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20210426T021925_20210426T022137_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20210426T135945_20210426T140054_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20210426T140205_20210426T140340_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20210426T153903_20210426T154454_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20210426T005304_20210426T005534_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20210426T021121_20210426T021237_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20210426T171019_20210426T171237_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20210426T171256_20210426T171351_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20210426T185055_20210426T190113_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20210426T201911_20210426T201949_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20210426T225627_20210426T225755_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:

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:

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.

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20210426T140803_20210426T140851_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and the tidal corrections for one or more records
CS_OFFL_SIR_NOPM_2_20210426T173139_20210426T173320_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_20210426T004128_20210426T004222_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_20210426T013531_20210426T013750_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_20210426T021925_20210426T022137_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_20210426T030544_20210426T030743_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_20210426T031429_20210426T031904_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_20210426T035608_20210426T040001_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_20210426T063448_20210426T063623_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_20210426T081146_20210426T081504_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_20210426T094414_20210426T094523_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_20210426T095043_20210426T095353_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and the tidal corrections for one or more records
CS_OFFL_SIR_NOPN_2_20210426T112506_20210426T112746_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_20210426T112947_20210426T113517_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_20210426T122040_20210426T122520_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_20210426T130421_20210426T130657_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_20210426T135945_20210426T140054_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_20210426T140205_20210426T140340_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_20210426T153903_20210426T154454_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_20210426T162150_20210426T162338_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_20210426T163150_20210426T163413_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_20210426T171915_20210426T172325_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and the tidal corrections for one or more records
CS_OFFL_SIR_NOPN_2_20210426T190113_20210426T190534_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
CS_OFFL_SIR_NOPN_2_20210426T194126_20210426T194458_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_20210426T202829_20210426T202929_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
CS_OFFL_SIR_NOPN_2_20210426T212043_20210426T212403_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_20210426T212915_20210426T213039_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_20210426T221128_20210426T221247_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_20210426T230818_20210426T230926_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_20210426T004222_20210426T004803_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_20210426T021121_20210426T021238_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_20210426T022138_20210426T022828_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_20210426T040002_20210426T040519_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_20210426T073250_20210426T073448_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_20210426T135307_20210426T135701_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_20210426T171425_20210426T171914_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_20210426T185055_20210426T190113_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_20210426T203206_20210426T204009_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_20210426T221248_20210426T222023_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_20210426T235159_20210426T235915_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

5.5 L2 Measurement Confidence Data Check

CryoSat L2 data includes a measurement confidence flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20210426T034152_20210426T035300_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

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.

lumber of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20210426T000531_20210426T001802_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_20210426T001805_20210426T003539_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_20210426T005112_20210426T005138_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_20210426T005643_20210426T010854_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_20210426T011059_20210426T012634_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_20210426T012828_20210426T013329_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_20210426T014246_20210426T015309_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_20210426T015928_20210426T021120_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_20210426T024636_20210426T024803_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_20210426T025058_20210426T030526_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_20210426T030744_20210426T031240_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_20210426T031905_20210426T034149_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_20210426T034152_20210426T035300_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_20210426T055844_20210426T062432_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_20210426T062612_20210426T063113_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_20210426T063812_20210426T071235_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_20210426T073801_20210426T073907_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_20210426T074842_20210426T075435_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_20210426T075802_20210426T080416_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_20210426T080612_20210426T081146_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_20210426T081730_20210426T085112_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_20210426T092419_20210426T094332_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_20210426T094534_20210426T095042_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_20210426T095638_20210426T103049_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_20210426T105522_20210426T105942_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_20210426T110039_20210426T111815_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_20210426T112115_20210426T112139_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_20210426T112746_20210426T112947_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_20210426T113651_20210426T115229_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_20210426T115848_20210426T120551_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_20210426T122556_20210426T124344_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_20210426T124505_20210426T125858_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_20210426T131005_20210426T131359_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_20210426T131550_20210426T133116_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_20210426T133318_20210426T133518_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_20210426T141027_20210426T142146_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_20210426T142154_20210426T142206_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_20210426T143751_20210426T144149_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_20210426T144504_20210426T145302_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_20210426T145517_20210426T151024_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.

Deep Almost Region (2014). 2011 NORTH 2 2010 NORTH TOTAL 2021 NORTH TOTAL	CS_OFFL_SIR_NOPM_2_20210426T152351_20210426T152441_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
Company	CS_OFFL_SIR_NOPM_2_20210426T154720_20210426T155647_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Section County Sect	CS_OFFL_SIR_NOPM_2_20210426T155649_20210426T162105_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
co. CHPL SRI, NOPM 2. 20116401173304_29216401173340_C001 DOGO Allmente Reging Guilly, OCOG Blance Reging Guilly, OCOG Allmenter Reging Guilly, OCOG Blance Reging, Guilly, OCOG Blance Reging, Guilly, OCOG Blance Reging, Guilly, Guilly, Flagge Revo Blance Reging, Guilly, OCOG Blance Reging, Guilly, Guilly, Flagge Revo Blance Reging, Guilly, Guilly, Flagge Revo Blance Reging, Guilly, Guilly, Flagge Revo Blance Reging, Guilly, Guilly, Guilly, Flagge Revo Blance Reging, Guilly, Guilly, Guilly, Flagge Revo Blance Reging, Guilly, Guilly, Guilly, Guilly, Flagge Revo Blance Reging, Guilly, Guilly, Guilly, Guilly, Guilly, Guilly, Guilly, Gu	CS_OFFL_SIR_NOPM_2_20210426T162612_20210426T163149_C001	OCOG Altimeter Range Quality, OCOG	The OCOG Altimeter Range and Backscatter Quality Flags have been set
South Lists NOPM 2 20210409T179302 20210407T179304 COVID CONTRACTOR CONTRACTO	CS_OFFL_SIR_NOPM_2_20210426T163438_20210426T165940_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20210426T1803B_20210426T198132_DDII CS_OFFL_SIR_NOPM_2_20210426T1803B_20210426T198132_DDII CS_OFFL_SIR_NOPM_2_20210426T1803B_20210426T198132_DDII CS_OFFL_SIR_NOPM_2_20210426T1803B_20210426T198132_DDII CS_OFFL_SIR_NOPM_2_20210426T1803B_20210426T198132_DDII CS_OFFL_SIR_NOPM_2_20210426T1803B_20210426T1983B_DDII CS_OFFL_SIR_NOPM_2_20210426T1803B_20210426T1983B_DDII CS_OFFL_SIR_NOPM_2_20210426T1803B_20210426T1983B_DDII CS_OFFL_SIR_NOPM_2_20210426T1803B_20210426T1983B_DDII CS_OFFL_SIR_NOPM_2_20210426T1980B_DDII CS_OFFL_SIR_NOPM_2_20210426T1980B_20210426T1980B_DDII CS_OFFL_SIR_NOPM_2_20210426T1980B_DDII CS_OFFL_SIR_NOPM_2_20210426T2028B_DDII CS_OFFL_SIR_NOPM_2_20210426T2038B_DDII CS_OFFL_SIR_NOPM_2_20210426T2038B_DDII CS_OFFL_SIR_NOPM_2_20210426T2038B_DDII CS_OFFL_SIR_NOPM_2_20210426T2038B_DDII CS_OFFL_SIR_NOPM_2_20210426T2038B_DDII CS_OFFL_SIR_NOPM_2_20210426T2038B_DDII CS_OFFL_SIR_NOPM_2_20210426T2038B_DDII CS_OFFL_SIR_NOPM_2_20210426T2038B_DDII CS_OFFL_SIR_NOPM_2_20210426T2038B_DDII CS_OFFL_SIR	CS_OFFL_SIR_NOPM_2_20210426T170341_20210426T170840_C001		
Sackscatter Quality Society Seek SSHA SWH and flactocenter Quality Sciety The Cocan Altimeter Range SSHA, SWH and flactocenter Quality Sciety The Cocan Altimeter Range SSHA, SWH and flactocenter Quality Sciety The Cocan Altimeter Range SSHA, SWH and flactocenter Quality Sciety The Cocan Altimeter Range SSHA, SWH and flactocenter Quality Sciety The Cocan Altimeter Range SSHA, SWH and flactocenter Quality Sciety The Cocan Altimeter Range SSHA, SWH and flactocenter Quality Sciety SSHA, SWH and flactocenter Quality SSHA, SWH and flactocenter Quality SSHA, SWH and flactocenter Quality	CS_OFFL_SIR_NOPM_2_20210426T173328_20210426T175934_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Custily Coop. Attractor Range and Backscatter Custily Coop. Attractor Range and Backscatter Custily Stage New Deen and Tomore Notices. CS_OFFL_SIR_NOPM_2_202104287185337_202104287185584_C001 CS_OFFL_SIR_NOPM_2_202104287195334_202104287195340_C001 CS_OFFL_SIR_NOPM_2_202104287195342_202104287195340_C001 CS_OFFL_SIR_NOPM_2_202104287195342_202104287195340_C001 CS_OFFL_SIR_NOPM_2_202104287194458_202104287195310_C001 CS_OFFL_SIR_NOPM_2_202104287195320_202104287195310_C001 CS_OFFL_SIR_NOPM_2_202104287195320_202104287129510_C001 CS_OFFL_SIR_NOPM_2_202104287202282_C001 CS_OFFL_SIR_NOPM_2_202104287202282_C001 CS_OFFL_SIR_NOPM_2_202104287202282_C001 CS_OFFL_SIR_NOPM_2_202104287202393_202104287203114_C001 CS_OFFL_SIR_NOPM_2_202104287202393_202104287203114_C001 CS_OFFL_SIR_NOPM_2_202104287202393_202104287203114_C001 CS_OFFL_SIR_NOPM_2_202104287202393_202104287203114_C001 CS_OFFL_SIR_NOPM_2_202104287202393_202104287203114_C001 CS_OFFL_SIR_NOPM_2_202104287203293_202104287203114_C001 CS_OFFL_SIR_NOPM_2_202104287123403_202104387203114_C001 CS_O	CS_OFFL_SIR_NOPM_2_20210426T180548_20210426T181023_C001		
and deadscatter Coullity. COCO Althrender Range and Backscatter Coullity Flags have been Affineder Range and Backscatter Coullity Flags have been set for one or more records. S. OFFL SIR NOPM 2 20210426T196393 20210426T196394 CO01 S. OFFL SIR NOPM 2 20210426T196392 20210426T196391 CO01 S. OFFL SIR NOPM 2 20210426T196392 20210426T196398 CO01 S. OFFL SIR NOPM 2 20210426T196392 20210426T203929 CO01 S. OFFL SIR NOPM 2 20210426T203929 20210426T2039314 CO01 S. OFFL SIR NOPM 2 20210426T20393 20210426T203930 CO01 S. OFFL SIR NOPM 2 20210426T20393 20210426T	CS_OFFL_SIR_NOPM_2_20210426T181321_20210426T184133_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210428T194458_20210428T195031_CO01 OCCG Altimeter Range Quality, COCG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210428T19509_20210428T195031_CO01 OCCG Altimeter Range Quality, COCG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210428T10509_20210428T10919_CO01 CS_OFFL_SIR_NOPM_2_20210428T201745_20210428T202828_CO01 OCCG Altimeter Range Quality, COCG Backscatter Quality Flags have been set for one or more records. OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCCG Altimeter Range SNHA, SWH and Backscatter Quality Flags have been net for one or more records. OCCG Altimeter Range and Backscatter Quality Flags have been net for one or more records. OCCG Altimeter Range SNHA, SWH and Backscatter Quality Flags have been net for one or more records. OCCG Altimeter Range SNHA, SWH and Backscatter Quality Flags have been net for one or more records. OCCG Al	CS_OFFL_SIR_NOPM_2_20210426T185037_20210426T185054_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_NOPM_2_20210426T195209_20210426T291910_C001 CS_OFFL_SIR_NOPM_2_20210426T202824_20210426T202828_C001 CS_OFFL_SIR_NOPM_2_20210426T202828_C001 CS_OFFL_SIR_NOPM_2_20210426T202828_C001 CS_OFFL_SIR_NOPM_2_20210426T202828_C001 CS_OFFL_SIR_NOPM_2_20210426T212403_20210426T21807_C001 CS_OFFL_SIR_NOPM_2_20210426T212403_20210426T21805_C001 CS_OFFL_SIR_NOPM_2_20210426T212403_20210426T21805_C001 CS_OFFL_SIR_NOPM_2_20210426T212403_20210426T21805_C001 CS_OFFL_SIR_NOPM_2_20210426T212403_20210426T21805_C001 CS_OFFL_SIR_NOPM_2_20210426T212403_20210426T21805_C001 CS_OFFL_SIR_NOPM_2_20210426T212206_C001 CS_OFFL_SIR_NOPM_2_20210426T212068_C001 CS_OFFL_SIR_NOPM_2_20210426T21305_20210426T226384_C001 CS_OFFL_SIR_NOPM_2_20210426T22246_20210426T226308_C001 CS_OFFL_SIR_NOPM_2_20210426T220039_20210426T226000_C001 CS_OFFL_SIR_NOPM_2_20210426T220039_20210426T226000_C001 CS_OFFL_SIR_NOPM_2_20210426T200392_20210426T230000_C001 CS_OFFL_SIR_NOPM_2_20210426T200392_20210426T230000_C001 CCS_OFFL_SIR_NOPM_2_20210426T200392_20210426T230000_C001 CCS_OFFL_SIR_NOPM_2_20210426T2300392_0210426T230000_C001 CCS_OFFL_SIR_NOPM_2_20210426T230039_20210426T230000_C001 CCC_OFFL_SIR_NOPM_2_20210426T230039_20210426T230000_C001 CCC_OFFL_SIR_NOPM_2_20210426T230039_20210426T230000_C001 CCC_OFFL_SIR_NOPM_2_20210426T230039_20210426T230000_C001 CCC_OFFL_SIR_NOPM_2_20210426T230039_20210426T230000_C001 CCC_OFFL_SIR_NOPM_2_20210426T230039_20210426T230000_C001 CCC_OFFL_SIR_NOPM_2_20210426T230039_20210426T230000_C	CS_OFFL_SIR_NOPM_2_20210426T190534_20210426T193846_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20210426T195298_20210426T201898.1 CO01 CS_OFFL_SIR_NOPM_2_20210426T202824_20210426T202828_CO01 CS_OFFL_SIR_NOPM_2_20210426T202824_20210426T202828_CO01 CS_OFFL_SIR_NOPM_2_20210426T202824_20210426T203114_CO01 CS_OFFL_SIR_NOPM_2_20210426T202824_20210426T203114_CO01 CS_OFFL_SIR_NOPM_2_20210426T202824_20210426T203114_CO01 CS_OFFL_SIR_NOPM_2_20210426T202824_20210426T203114_CO01 CS_OFFL_SIR_NOPM_2_20210426T202824_20210426T203114_CO01 CS_OFFL_SIR_NOPM_2_20210426T203124_20210426T203114_CO01 CS_OFFL_SIR_NOPM_2_20210426T203124_20210426T21807_CO01 CS_OFFL_SIR_NOPM_2_20210426T213125_20210426T21807_CO01 CS_OFFL_SIR_NOPM_2_20210426T213125_20210426T21807_CO01 CS_OFFL_SIR_NOPM_2_20210426T223442_20210426T21808_CO01 CS_OFFL_SIR_NOPM_2_20210426T223442_20210426T21809_CO01 CS_OFFL_SIR_NOPM_2_20210426T222244_20210426T230314_CO01 CS_OFFL_SIR_NOPM_2_20210426T222244_20210426T230314_CO01 CS_OFFL_SIR_NOPM_2_20210426T222244_20210426T230300_20210426T230303_CO01 CS_OFFL_SIR_NOPM_2_20210426T222244_20210426T230303_CO01 CS_OFFL_SIR_NOPM_2_20210426T230303_20210426T230303_CO01 CS_OFFL_SIR_NOPM_2_20210426T230303_202	CS_OFFL_SIR_NOPM_2_20210426T194458_20210426T195031_C001		
Backscatter Quality CS_OFFL_SIR_NOPM_2_20210426T202824_20210426T202828_C001 OCA Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210426T213125_20210426T212915_C001 CS_OFFL_SIR_NOPM_2_20210426T213125_20210426T213334_C001 CS_OFFL_SIR_NOPM_2_20210426T222246_20210426T223334_C001 CS_OFFL_SIR_NOPM_2_20210426T222246_20210426T223334_C001 CS_OFFL_SIR_NOPM_2_20210426T223444_20210426T2252526_C001 CS_OFFL_SIR_NOPM_2_20210426T23043_20210426T230403_C001 CS_OFFL_SIR_NOPM_2_20210426T23043_20210426T230403_C001 CS_OFFL_SIR_NOPM_2_20210426T23043_20210426T230403_C001 CS_OFFL_SIR_NOPM_2_20210426T230426_20210426T230403_C001 CS_OFFL_SIR_NOPM_2_20210426T230426_20210426T230403_C001 CS_OFFL_SIR_NOPM_2_20210426T230426_20210426T230403_C001 CS_OFFL_SIR_NOPM_2_20210426T230426_20210426T230403_C001 CS_OFFL_SIR_NOPM_2_20210426T230436_20210426T230403_C001 CS_OFFL_SIR_NOPM_2_20210426T230436_20210426T230403_C001 CS_OFFL_SIR_NOPM_2_20210426T230436_20210426T230403_C001 CS_OFFL_SIR_NOPM_2_20210426T230436_20210426T230403_C001 CS_OFFL_SIR_NOPM_2_20210426T230436_20210426T230403_C001 CS_OFFL_SIR_NOPM_2_20210426T230446_20210426T230403_C001 CS_OFFL_SIR_NOPM_2_20210426T230403_C001 CS_OFFL_SIR_NOPM_2_20210426T230403_C001 CS	CS_OFFL_SIR_NOPM_2_20210426T195209_20210426T195818_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_NOPM_2_20210426T203292_20210426T203114_C001 CS_OFFL_SIR_NOPM_2_20210426T20428_20210426T211807_C001 CS_OFFL_SIR_NOPM_2_20210426T211807_C001 CS_OFFL_SIR_NOPM_2_20210426T211203_20210426T211807_C001 CS_OFFL_SIR_NOPM_2_20210426T211203_20210426T212915_C001 CS_OFFL_SIR_NOPM_2_20210426T21403_20210426T212915_C001 CS_OFFL_SIR_NOPM_2_20210426T212403_20210426T212915_C001 CS_OFFL_SIR_NOPM_2_20210426T212403_20210426T212915_C001 CS_OFFL_SIR_NOPM_2_20210426T212403_20210426T215058_C001 CS_OFFL_SIR_NOPM_2_20210426T221203_20210426T215058_C001 CS_OFFL_SIR_NOPM_2_20210426T2224444_20210426T224334_C001 CS_OFFL_SIR_NOPM_2_20210426T2224444_20210426T224334_C001 CS_OFFL_SIR_NOPM_2_20210426T224444_20210426T223508_C001 CS_OFFL_SIR_NOPM_2_20210426T2230421_20210426T230403_C001 CS_OFFL_SIR_NOPM_2_20210426T230421_20210426T230403_C001 CS_OFFL_SIR_NOPM_2_20210426T230403_C001 CS_OFFL_SIR_NOPM_2_20210426T230403_C001 CS_OFFL_SIR_NOPM_2_20210426T230403_C001 CS_OFFL_SIR_NOPM_2_20210426T230403_C001 CS_OFFL_SIR_NOPM_2_20210426T230403_C001 CS_OFFL_SIR	CS_OFFL_SIR_NOPM_2_20210426T201745_20210426T201910_C001		, ,
and Backscatter Quality, CCOG Altimeter Range and Backscatter Quality Flags have been altimeter Range and Backscatter Quality Flags and the COGO Altimeter Range and Backscatter Quality Flags and the COGO Altimeter Range and Backscatter Quality Flags and the COGO Altimeter Range and Backscatter Quality Flags and the COGO Altimeter Range and Backscatter Quality Flags have been set for one or or more records. CS_OFFL_SIR_NOPM_2_20210426T21403_20210426T21915_CO01 CS_OFFL_SIR_NOPM_2_20210426T213125_20210426T215058_CO01 CS_OFFL_SIR_NOPM_2_20210426T213125_20210426T215058_CO01 CS_OFFL_SIR_NOPM_2_20210426T222446_20210426T224334_CO01 CS_OFFL_SIR_NOPM_2_20210426T222444_20210426T224334_CO01 CS_OFFL_SIR_NOPM_2_20210426T222444_20210426T225626_CO01 CS_OFFL_SIR_NOPM_2_20210426T224444_20210426T225626_CO01 CS_OFFL_SIR_NOPM_2_20210426T220039_20210426T230040_CO01 CS_OFFL_SIR_NOPM_2_20210426T230039_20210426T230040_CO01 CS_OFFL_SIR_NOPM_2_20210426T230039_20210426T	CS_OFFL_SIR_NOPM_2_20210426T202824_20210426T202828_C001		
and Backscatter Quality, COCG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210426T213425_20210426T21915_CO01 CS_OFFL_SIR_NOPM_2_20210426T213125_20210426T215058_CO01 CS_OFFL_SIR_NOPM_2_20210426T213125_20210426T24334_CO01 CS_OFFL_SIR_NOPM_2_20210426T222246_20210426T224334_CO01 CS_OFFL_SIR_NOPM_2_20210426T222246_20210426T224334_CO01 CS_OFFL_SIR_NOPM_2_20210426T222444_20210426T225626_CO01 CS_OFFL_SIR_NOPM_2_20210426T224444_20210426T225626_CO01 CS_OFFL_SIR_NOPM_2_20210426T230039_20210426T230403_CO01 CS_OFFL_SIR_NOPM_2_20210426T230039_20210426T230403_CO01 CS_OFFL_SIR_NOPM_2_20210426T2300421_20210426T230818_CO01 CS_OFFL_SIR_NOPM_2_20210426T230421_20210426T230818_CO01 CS_OFFL_SIR_NOPM_2_20210426T230421_20210426T230818_CO01 CS_OFFL_SIR_NOPM_2_20210426T230397_20210426T233920_CO01 CS_OFFL_SIR_NOPM_2_20210426T230397_20210426T233920_CO01 CS_OFFL_SIR_NOPM_2_20210426T230397_20210426T234639_CO01 CS_OFFL_SIR_NOPM_2_20210426T230397_20210426T234639_CO01 CS_OFFL_SIR_NOPM_2_20210426T230397_20210426T233688_CO01 CS_OFFL_SIR_NOPM_2_20210426T233937_20210426T234639_CO01 CS_OFFL_SIR_NOPM_2_202	CS_OFFL_SIR_NOPM_2_20210426T202929_20210426T203114_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20210426T23125_20210426T24334_C001 Backscatter Quality of or one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range 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, 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, 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 and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210426T230039_20210426T230403_C001 CS_OFFL_SIR_NOPM_2_20210426T230421_20210426T230818_C001 CS_OFFL_SIR_NOPM_2_20210426T231056_20210426T233920_C001 CS_OFFL_SIR_NOPM_2_20210426T231056_20210426T233920_C001 CS_OFFL_SIR_NOPM_2_20210426T233937_20210426T234639_C001 CS_OFFL_SIR_NOPM_2_20210426T233937_20210426T234639_C001 CS_OFFL_SIR_NOPM_2_20210426T233937_20210426T234639_C001 CS_OFFL_SIR_NOPM_2_20210426T233937_20210426T234639_C001 CS_OFFL_SIR_NOPM_2_20210426T234811_20210426T235048_C001 CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	CS_OFFL_SIR_NOPM_2_20210426T204423_20210426T211807_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 and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_NOPM_2_20210426T224444_20210426T225626_C001 CS_OFFL_SIR_NOPM_2_20210426T224444_20210426T225626_C001 CS_OFFL_SIR_NOPM_2_20210426T230039_20210426T230403_C001 CS_OFFL_SIR_NOPM_2_20210426T230039_20210426T230403_C001 CS_OFFL_SIR_NOPM_2_20210426T230039_20210426T230403_C001 CS_OFFL_SIR_NOPM_2_20210426T230421_20210426T230818_C001 CS_OFFL_SIR_NOPM_2_20210426T230421_20210426T233920_C001 CS_OFFL_SIR_NOPM_2_20210426T231056_20210426T233920_C001 CS_OFFL_SIR_NOPM_2_20210426T231056_20210426T233920_C001 CS_OFFL_SIR_NOPM_2_20210426T233937_20210426T234639_C001 CS_OFFL_SIR_NOPM_2_20210426T233937_20210426T234639_C001 CS_OFFL_SIR_NOPM_2_20210426T233937_20210426T23468_C001 CS_OFFL_SIR_NOPM_2_20210426T233937_20210426T23368_C001 CS_OFFL_SIR_NOPM_2_20210426T233937_20210426T23368_C001 CS_OFFL_SIR_NOPM_2_20210426T233937_20210426T23368_C001 CS_OFFL_SIR_NOPM_2_20210426T233937_20210426T23368_C001 CS_OFFL_SIR_NOPM_2_20210426T233937_20210426T23368_C001 CS_OFFL_SIR_NOPM_2_20210426T233937_20210426T23368_C001 CS_OFFL_SIR_NOPM_2_20210426T233937_20210426T23368_C001 CCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCOG Altimeter Range and Backscatter Quality Flags	CS_OFFL_SIR_NOPM_2_20210426T212403_20210426T212915_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210426T224444_20210426T225626_C001 CS_OFFL_SIR_NOPM_2_20210426T230039_20210426T230403_C001 CS_OFFL_SIR_NOPM_2_20210426T230039_20210426T230403_C001 CS_OFFL_SIR_NOPM_2_20210426T230421_20210426T230403_C001 CS_OFFL_SIR_NOPM_2_20210426T230421_20210426T230818_C001 CS_OFFL_SIR_NOPM_2_20210426T230421_20210426T230818_C001 CS_OFFL_SIR_NOPM_2_20210426T230421_20210426T230803_C001 CS_OFFL_SIR_NOPM_2_20210426T230421_20210426T230803_C001 CS_OFFL_SIR_NOPM_2_20210426T230421_20210426T230803_C001 CS_OFFL_SIR_NOPM_2_20210426T230421_20210426T230803_C001 CS_OFFL_SIR_NOPM_2_20210426T230421_20210426T230803_C001 CS_OFFL_SIR_NOPM_2_20210426T230937_20210426T230803_C001 CS_OFFL_SIR_NOPM_2_20210426T230937_20210426T234639_C001 CS_OFFL_SIR_NOPM_2_20210426T233937_20210426T234639_C001 CS_OFFL_SIR_NOPM_2_20210426T234811_20210426T234639_C001 CS_OFFL_SIR_NOPM_2_20210426T234811_20210426T23463	CS_OFFL_SIR_NOPM_2_20210426T213125_20210426T215058_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_20210426T230039_20210426T230403_C001 CS_OFFL_SIR_NOPM_2_20210426T230421_20210426T230403_C001 CS_OFFL_SIR_NOPM_2_20210426T230421_20210426T230818_C001 CS_OFFL_SIR_NOPM_2_20210426T230421_20210426T230818_C001 CS_OFFL_SIR_NOPM_2_20210426T231056_20210426T233920_C001 CS_OFFL_SIR_NOPM_2_20210426T231056_20210426T233920_C001 CS_OFFL_SIR_NOPM_2_20210426T231056_20210426T233920_C001 CS_OFFL_SIR_NOPM_2_20210426T233937_20210426T234639_C001 CS_OFFL_SIR_NOPM_2_20210426T234811_20210426T234639_C001 CS_OFFL_SIR_NOPM_2_20210426T234811_20210426T235048_C001 CCGA Altimeter Range Quality, 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, 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 and the OCOG Altimeter Range 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_20210426T234811_20210426T234639_C001 CCGA Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCS_OFFL_SIR_NOPM_2_20210426T234811_20210426T235048_C001 CCGA Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCS_OFFL_SIR_NOPM_2_20210426T234811_20210426T235048_C001 CCGA Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCS_OFFL_SIR_NOPM_2_20210426T234811_20210426T235048_C001 CCGA Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPM_2_20210426T222246_20210426T224334_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality Gro one or more records. CS_OFFL_SIR_NOPM_2_20210426T230421_20210426T230818_C001 CS_OFFL_SIR_NOPM_2_20210426T230421_20210426T230818_C001 CS_OFFL_SIR_NOPM_2_20210426T231056_20210426T233920_C001 CS_OFFL_SIR_NOPM_2_20210426T231056_20210426T233920_C001 CS_OFFL_SIR_NOPM_2_20210426T233937_20210426T233920_C001 CS_OFFL_SIR_NOPM_2_20210426T233937_20210426T234639_C001 CS_OFFL_SIR_NOPM_2_20210426T233937_20210426T234639_C001 CS_OFFL_SIR_NOPM_2_20210426T233937_20210426T234639_C001 CS_OFFL_SIR_NOPM_2_20210426T233937_20210426T235048_C001 CS_OFFL_SIR_NOPM_2_20210426T234811_20210426T235048_C001	CS_OFFL_SIR_NOPM_2_20210426T224444_20210426T225626_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_NOPM_2_20210426T231056_20210426T233920_C001 Backscatter Quality CS_OFFL_SIR_NOPM_2_20210426T231056_20210426T233920_C001 CS_OFFL_SIR_NOPM_2_20210426T233937_20210426T234639_C001 CS_OFFL_SIR_NOPM_2_20210426T233937_20210426T234639_C001 CS_OFFL_SIR_NOPM_2_20210426T233937_20210426T234639_C001 CS_OFFL_SIR_NOPM_2_20210426T233937_20210426T235048_C001 CS_OFFL_SIR_NOPM_2_20210426T234811_20210426T235048_C001	CS_OFFL_SIR_NOPM_2_20210426T230039_20210426T230403_C001		
CS_OFFL_SIR_NOPM_2_20210426T231056_20210426T233920_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 and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210426T233937_20210426T234639_C001 CS_OFFL_SIR_NOPM_2_20210426T233937_20210426T235048_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPM_2_20210426T230421_20210426T230818_C001		
CS_OFFL_SIR_NOPM_2_20210426T233937_20210426T234639_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set of one or more records. CS_OFFL_SIR_NOPM_2_20210426T233937_20210426T235048_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altime	CS_OFFL_SIR_NOPM_2_20210426T231056_20210426T233920_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_NOPM_2_20210426T233937_20210426T234639_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_NOPM_2_20210426T234811_20210426T235048_C001		

CS_OFFL_SIR_NOPN_2_20210426T004128_20210426T004222_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_NOPN_2_20210426T004804_20210426T004852_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_NOPN_2_20210426T005610_20210426T005643_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_NOPN_2_20210426T031429_20210426T031904_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_NOPN_2_20210426T091202_20210426T091239_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_NOPN_2_20210426T122040_20210426T122520_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_NOPR_2_20210426T001802_20210426T001805_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_NOPR_2_20210426T005304_20210426T005534_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_NOPR_2_20210426T073250_20210426T073448_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_NOPR_2_20210426T135307_20210426T135701_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_NOPR_2_20210426T221248_20210426T222023_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_NOPR_2_20210426T222059_20210426T222246_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.

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_20210426T004128_20210426T004222_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_20210426T015309_20210426T015415_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_20210426T015637_20210426T015716_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_20210426T021537_20210426T021834_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_20210426T021925_20210426T022137_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_20210426T031429_20210426T031904_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_20210426T035608_20210426T040001_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_20210426T041658_20210426T042022_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_20210426T063448_20210426T063623_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_20210426T074508_20210426T074842_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_20210426T081146_20210426T081504_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_20210426T090301_20210426T090325_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_20210426T090331_20210426T090357_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_20210426T094414_20210426T094523_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_20210426T095043_20210426T095353_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_20210426T112506_20210426T112746_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_20210426T112947_20210426T113517_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_20210426T121443_20210426T121512_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_20210426T122040_20210426T122520_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_20210426T130421_20210426T130657_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_20210426T131359_20210426T131538_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_20210426T134242_20210426T134350_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_20210426T135945_20210426T140054_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_20210426T140205_20210426T140340_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_20210426T145302_20210426T145450_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_20210426T152004_20210426T152351_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_20210426T153903_20210426T154454_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_20210426T162150_20210426T162338_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_20210426T165940_20210426T170049_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_20210426T171352_20210426T171425_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_20210426T171915_20210426T172325_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_20210426T172410_20210426T172532_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_20210426T172650_20210426T172825_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_20210426T180120_20210426T180301_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_20210426T180410_20210426T180548_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_20210426T200837_20210426T201024_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_20210426T204009_20210426T204151_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_20210426T204304_20210426T204417_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_20210426T212043_20210426T212403_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_20210426T212915_20210426T213039_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_20210426T225755_20210426T230039_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_20210425T235918_20210426T000208_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_20210426T004222_20210426T004803_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_20210426T005304_20210426T005534_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_20210426T013751_20210426T014240_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_20210426T015716_20210426T015928_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_20210426T021121_20210426T021238_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_20210426T021418_20210426T021537_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_20210426T022138_20210426T022828_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_20210426T024212_20210426T024636_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_20210426T024803_20210426T025058_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_20210426T035300_20210426T035512_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_20210426T040002_20210426T040519_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_20210426T042023_20210426T042058_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_20210426T054800_20210426T054817_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_20210426T072359_20210426T072855_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_20210426T073549_20210426T073625_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_20210426T081504_20210426T081730_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_20210426T085213_20210426T085333_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_20210426T090718_20210426T091037_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_20210426T091239_20210426T091608_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_20210426T095353_20210426T095638_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_20210426T112139_20210426T112505_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.

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CS_OFFL_SIR_NOPR_2_20210426T120552_20210426T121049_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_20210426T124344_20210426T124505_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_20210426T125858_20210426T130421_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_20210426T135307_20210426T135701_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_20210426T140341_20210426T140803_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_20210426T145450_20210426T145517_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_20210426T151132_20210426T151840_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_20210426T154454_20210426T154720_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_20210426T171019_20210426T171237_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_20210426T171256_20210426T171352_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_20210426T171425_20210426T171914_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_20210426T175935_20210426T180119_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_20210426T185055_20210426T190113_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_20210426T193847_20210426T194125_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_20210426T203206_20210426T204009_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_20210426T211808_20210426T212043_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_20210426T220910_20210426T221128_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_20210426T221248_20210426T222023_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_20210426T222027_20210426T222038_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_20210426T225627_20210426T225755_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_20210426T230927_20210426T231056_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_20210426T235159_20210426T235915_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:

177

5.7 L2 Ocean Retracking Quality Check

L2 Retracking Flags (20Hz)

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

Ocean Retracking Quality Flag: This flag is currently set for products falling at ocean/ land boundaries, but this is expected.

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.

130

Number of products with errors:

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	155	155	4	151	0
SIR_NOPR1B	97	97	0	97	0
SIR_NOPN1B	93	93	5	88	0
SIR_NOPM_2	155	155	106	45	4
SIR_NOPR_2	97	97	22	73	2
SIR NOPN 2	93	93	34	58	1

7.1 QCC Errors

Number of QCC reports with errors:

14

Total number of occurrences of each error

Product Type	EOVSNCDF	MPHSVSNCDF	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-
SIR_NOPM_2	4	4	0	0	0	0					
SIR_NOPN_2	1	1	0	0	0	0					
SIR NOPR 2	1	1	1	1	1	1					

Test Description Key:	Test Description Key:								
Abbreviation	Test name	Details							
EOVSNCDF	EnumOrbitVectorSourceNetCDF	Orbit vector source should match one of the allowed enumeration values - NetCDF							
MPHSVSNCDF	MPH_State_Vector_Source_NetCDF	State_Vector_Source mismatch							
RLOBOPNCDF	RangeLatitudeOrBlankOP_7NetCDF	Latitude should be between -90E7 and 90E7 - NetCDF							
RL	RangeLatitude_7	Latitude should be between -90E7 and 90E7							
RLOBOPNCDF	RangeLongitudeOrBlankOP_7NetCDF	Longitude should be between -180E7 and 180E7 - NetCDF							
RL	RangeLongitude_7	Longitude should be between -180E7 and 180E7							

7.2 QCC Warnings

Number of QCC reports with warnings

1585

Total number of occurrences of each warning

Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD	
SIR_NOPM1B	151	0	0	0	0	0	0	
SIR_NOPM_2	0	0	37	36	1	33	0	
SIR_NOPN1B	87	0	0	0	0	0	0	
SIR_NOPN_2	0	0	7	30	6	23	21	
SIR_NOPR1B	94	0	0	0	0	0	0	
SIR NOPR 2	0	1	32	44	0	24	22	

	Product Type	RBSZOPOEPNCDF	RLPTONCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNCE	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF
Ì	SIR_NOPM1B	0	0	0	0	0	0	0
	SIR_NOPM_2	25	0	27	0	0	0	0
	SIR_NOPN1B	0	0	0	0	0	0	0
	SIR_NOPN_2	14	19	0	0	17	0	29
	SIR_NOPR1B	0	0	0	0	0	0	0
	SIR NOPR 2	7	10	0	46	0	52	0

П		DDEDON DIAMODE	DDEDODO A DNODE	DDEDODONNODE	DOODOONODE	DOOLLAGEDMODE	DOOLLA OEDDI DIANODE	DOGULACHODE
	Product Type	RPEPOPLRMNCDF	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
	SIR_NOPM1B	0	0	0	0	0	0	0
	SIR_NOPM_2	19	0	0	6	22	0	8
	SIR_NOPN1B	0	0	0	0	0	0	0
	SIR_NOPN_2	0	0	24	20	33	50	23
	SIR_NOPR1B	0	0	0	0	0	0	0
	SIR NOPR 2	0	44	0	1	57	33	10

Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF	•
SIR_NOPM1B	0	0	0	0	0	0	
SIR_NOPM_2	34	0	3	0	0	0	
SIR_NOPN1B	0	0	0	0	41	2	
SIR_NOPN_2	24	29	12	0	0	0	
SIR_NOPR1B	0	0	0	0	97	11	
SIR_NOPR_2	34	45	2	6	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 latitudes 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 latitudes between -70 and 70 degrees	
RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees	
RLPTONCDF	RangeLongPeriodTideOceanNetCDF	The Long period tide height should be between -50mm and 50mm (or missing) for surface type = ocean - NetCDF	
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	
RPEPOPFDPLRMSINN CDF	RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees	
RPEPOPFDSARNCDF	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
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:

0