

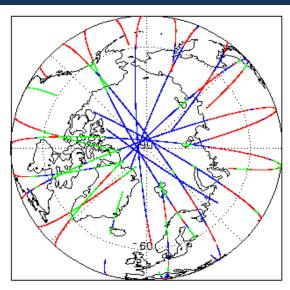
## 1. Overview

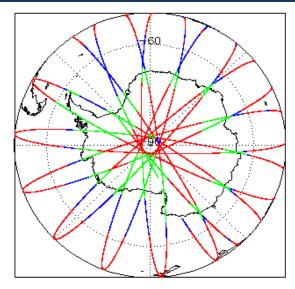
Report Production:	05-Jan-2022	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Near Real Time Ocean Products (NOI L1B & L2 Science Data	

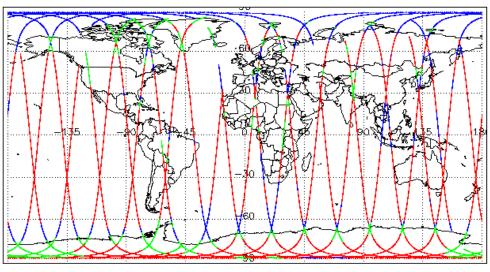
Check	L1 & L2
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Auxiliary Data File Usage Check	Nominal
Auxiliary Correction Error Check	See Section 5.4
Measurement 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

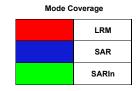
Miss	Mission / Instrument News	
01-	Jan-2022	None
02-	Jan-2022	None
03-	Jan-2022	Nothing planned

# 2. Global Coverage









## 3. Instrument Configuration

The SIRAL instrument configuration for the day of acquisition is provided below.

SIRAL instrument(s) in use:	SIRAL - A
Star Tracker(s) in use:	Star Tracker 1

## 4. NOP Level 1B Data Quality Check

#### 4.1 L1B Product Format Check

#### 4.2 L1B Product Header Analysis

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

L1B Processing Quality HR: The I1b\_proc\_flag\_hr flag is currently set all L1B IOPR and IOPN products because the I1b\_processing\_quality\_hr field is not correctly configured in the OSAR and OSARIn chains. A modification is required in the next release.

Number of products with errors:

#### 4.3 L1B Auxilary Data File Usage Check

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

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

Number of products with errors:

0

#### 4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

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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_20220102T021300_20220102T021744_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.

15

Number of products with errors:

Test Failed	Description
Loss of Echo	The tracking echo is missing for one or more records
Loss of Echo	The tracking echo is missing for one or more records
Loss of Echo	The tracking echo is missing for one or more records
Loss of Echo	The tracking echo is missing for one or more records
Loss of Echo	The tracking echo is missing for one or more records
Loss of Echo	The tracking echo is missing for one or more records
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Loss of Echo	The tracking echo is missing for one or more records
Loss of Echo	The tracking echo is missing for one or more records
Loss of Echo	The tracking echo is missing for one or more records
Loss of Echo	The tracking echo is missing for one or more records
	Loss of Echo

### 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.

Number of products with errors:		
Product	Test Failed	Description There is an error with the Mean Dynamic Topography height for one or
CS_OFFL_SIR_NOPM_2_20220102T071132_20220102T071307_C001	Mean Dynamic Topography (1)	more records
CS_OFFL_SIR_NOPM_2_20220102T192028_20220102T192203_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_20220101T235848_20220102T000122_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_20220102T005358_20220102T005516_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_20220102T005908_20220102T010036_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_20220102T013345_20220102T014001_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_20220102T023333_20220102T023542_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_20220102T031611_20220102T031747_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_20220102T041248_20220102T041733_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Perioc Ocean Tide	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_20220102T050429_20220102T050701_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_20220102T063529_20220102T063920_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Perioc Ocean Tide	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_20220102T072556_20220102T072651_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_20220102T081513_20220102T081826_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_20220102T082341_20220102T082455_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_20220102T095232_20220102T095656_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_20220102T100245_20220102T100403_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_20220102T104208_20220102T104434_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Perioc Ocean Tide	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_20220102T114015_20220102T114202_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_20220102T122427_20220102T122529_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_20220102T123056_20220102T123147_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_20220102T131825_20220102T132053_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_20220102T140222_20220102T140432_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_20220102T145731_20220102T150150_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_20220102T153904_20220102T154255_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_20220102T154806_20220102T154840_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_20220102T162848_20220102T163119_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_20220102T163845_20220102T164028_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_20220102T181746_20220102T181925_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_20220102T194753_20220102T194912_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_20220102T195443_20220102T195759_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_20220102T204557_20220102T204647_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_20220102T204909_20220102T205043_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_20220102T212719_20220102T212833_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_20220102T213340_20220102T213656_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_20220102T230814_20220102T231051_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_20220102T231245_20220102T231442_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_20220102T054326_20220102T055323_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_20220102T071553_20220102T071732_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_20220102T072651_20220102T073439_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_20220102T090628_20220102T091706_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_20220102T104623_20220102T105356_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_20220102T122529_20220102T123056_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_20220102T135424_20220102T135538_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_20220102T140432_20220102T141124_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_20220102T142507_20220102T143322_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_20220102T154256_20220102T154805_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_20220102T172029_20220102T172719_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_20220102T185902_20220102T190633_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_20220102T191020_20220102T191158_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_20220102T191542_20220102T191733_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_20220102T235621_20220103T000200_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height 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_20220102T021300_20220102T021744_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.

Number of products with errors:

87

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20220102T000122_20220102T000317_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_20220102T000532_20220102T000814_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_20220102T001015_20220102T001412_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_20220102T001502_20220102T003707_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_20220102T004226_20220102T004311_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_20220102T005516_20220102T005908_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_20220102T010036_20220102T011623_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
	Altimeter Range and Backscatter Quality	set for one or more records.
CS_OFFL_SIR_NOPM_2_20220102T012242_20220102T013345_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_20220102T014257_20220102T014724_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_20220102T014947_20220102T020410_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_20220102T022220_20220102T022238_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_20220102T024240_20220102T024859_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_20220102T025113_20220102T031454_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_20220102T031747_20220102T032638_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_20220102T032859_20220102T035251_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_20220102T042822_20220102T045327_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_20220102T045718_20220102T045855_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_20220102T050005_20220102T050429_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_20220102T050815_20220102T053331_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_20220102T053346_20220102T053351_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_20220102T060129_20220102T063154_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_20220102T063920_20220102T064509_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_20220102T064751_20220102T065400_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_20220102T065458_20220102T070217_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_20220102T072418_20220102T072509_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_20220102T073751_20220102T081141_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_20220102T081827_20220102T082341_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_20220102T082810_20220102T082826_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_20220102T083027_20220102T083436_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_20220102T084024_20220102T084445_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_20220102T090059_20220102T090336_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_20220102T091706_20220102T092633_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.

0.0011_sitt_ADON_2_2020100T10010_202010T10010_0011	CS_OFFL_SIR_NOPM_2_20220102T092919_20220102T095051_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.
CB_CPP_SR_NOPM_2_2020010T110203_202010T11000C_C011	CS_OFFL_SIR_NOPM_2_20220102T095835_20220102T100245_C001		
Section   Column	CS_OFFL_SIR_NOPM_2_20220102T100723_20220102T102658_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Col. OFFL. SRI, NOPML 2, 2022102T11001, 2022102T11001, 2021102T11001, 2022102T11001, 2022102T12010, 2022102T1	CS_OFFL_SIR_NOPM_2_20220102T102754_20220102T103200_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Section   Sect	CS_OFFL_SIR_NOPM_2_20220102T105730_20220102T110201_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Desisoner Range Castley  CS_OFFL_SIR_NOPM_2_702261021113747_202201021101010  CS_OFFL_SIR_NOPM_2_702261021114627_20220102110010  CS_OFFL_SIR_NOPM_2_70226102114627_20220102110010  CS_OFFL_SIR_NOPM_2_70226102114627_20220102110010  CS_OFFL_SIR_NOPM_2_70226102114627_20220102110010  CS_OFFL_SIR_NOPM_2_70226102114627_202201021100100  CS_OFFL_SIR_NOPM_2_70226102114627_202201021100100  CS_OFFL_SIR_NOPM_2_70226102114628_202201021100100  CS_OFFL_SIR_NOPM_2_70226102113628_202201021100100  CS_OFFL_SIR_NOPM_2_70226102113628_202201021100100  CS_OFFL_SIR_NOPM_2_70226102113628_202201021100100  CS_OFFL_SIR_NOPM_2_70226102113628_202201021100100  CS_OFFL_SIR_NOPM_2_70226102113628_202201021100100  CS_OFFL_SIR_NOPM_2_70226102113628_202201021100100  CS_OFFL_SIR_NOPM_2_70226102113628_202201021100100  CS_OFFL_SIR_NOPM_2_70226102113628_202201021100100100000  CS_OFFL_SIR_NOPM_2_70226102113628_2022010211001001000000000000000000000	CS_OFFL_SIR_NOPM_2_20220102T110341_20220102T113008_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Deep Affirmeter Range, SSHA, SWH and Backcaster Quality Flags and Beach Collection (Collection of Collection C	CS_OFFL_SIR_NOPM_2_20220102T113201_20220102T113728_C001		
CS_OFFL_SIR_NOPM_2_202201027114014_20220102712803_0001  CS_OFFL_SIR_NOPM_2_202201027124032_0020102712803_0001  CS_OFFL_SIR_NOPM_2_202201027124032_0020102712803_0001  CS_OFFL_SIR_NOPM_2_202201027130302_00201027130007_0001  CS_OFFL_SIR_NOPM_2_202201027130007_0001  CS_OFFL_SIR_NOPM_2_202201027130007_0001  CS_OFFL_SIR_NOPM_2_2022010271313007_0001  CS_OFFL_SIR_NOPM_2_2022010271313007_0001  CS_OFFL_SIR_NOPM_2_2022010271313007_0001  CS_OFFL_SIR_NOPM_2_2022010271313007_0001  CS_OFFL_SIR_NOPM_2_2022010271313007_0001  CS_OFFL_SIR_NOPM_2_2022010271313007_0001  CS_OFFL_SIR_NOPM_2_2022010271313007_0001  CS_OFFL_SIR_NOPM_2_2022010271313007_0001  CS_OFFL_SIR_NOPM_2_20220102713130007_0001  CS_OFFL_SIR_NOPM_2_20220102713130007_0001  CS_OFFL_SIR_NOPM_2_20220102713130007_0001  CS_OFFL_SIR_NOPM_2_20220102713130007_0001  CS_OFFL_SIR_NOPM_2_20220102713130007_0001  CS_OFFL_SIR_NOPM_2_20220102713130007_0001  CS_OFFL_SIR_NOPM_2_20220102713130007_0001  CS_OFFL_SIR_NOPM_2_20220102713130007_0001  CS_OFFL_SIR_NOPM_2_2022010271330007_0001  CS_OFFL_SIR_NOPM_2_2022010271330007_0001  CS_OFFL_SIR_NOPM_2_2022010271330007_0001  CS_OFFL_SIR_NOPM_2_2022010271330007_0001  CS_OFFL_SIR_NOPM_2_2022010271330007_0001  CS_OFFL_SIR_NOPM_2_2022010271330007_0001  CS_OFFL_SIR_NOPM_2_2022010271330007_0001  CS_OFFL_SIR_NOPM_2_2022010271330007_0001  CS_OFFL_SIR_NOPM_2_202201027130007_00010001  CS_OFFL_SIR_NOPM_2_202201027130007_00010010000000000000000000000000	CS_OFFL_SIR_NOPM_2_20220102T113747_20220102T114015_C001		
and the COGO Affirenter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20220102713129_2020102713146_001  CS_OFFL_SIR_NOPM_2_20220102713284_2020102713344_001  CS_OFFL_SIR_NOPM_2_20220102713284_2020102713344_001  CS_OFFL_SIR_NOPM_2_20220102713284_2020102713344_001  CS_OFFL_SIR_NOPM_2_20220102713344_2020102713344_001  CS_OFFL_SIR_NOPM_2_20220102713344_001  CS_OFFL_SIR_NOPM_2_202201027134231_20220102713344_001  CS_OFFL_SIR_NOPM_2_202201027134231_20220102713344_001  CS_OFFL_SIR_NOPM_2_202201027134231_20220102713344_001  CS_OFFL_SIR_NOPM_2_202201027144594_0001  CS_OFFL_SIR_NOPM_2_20220102714594_0001  CS_OFFL_SIR_NOPM_2_20220102714594_0001  CS_OFFL_SIR_NOPM_2_20220102714594_0001  CS_OFFL_SIR_NOPM_2_20220102714594_00001  CS_OFFL_SIR_NOPM_	CS_OFFL_SIR_NOPM_2_20220102T114832_20220102T120101_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscarter Quality, COCG Allmeter Range and Backscarter Quality Flags have been set to core or more records.  CS_OFFL_SIR_NOPM_2_202201027132538_202201027130907_0001  CS_OFFL_SIR_NOPM_2_202201027132538_2022010271310907_0001  CS_OFFL_SIR_NOPM_2_202201027132538_2022010271310907_0001  CS_OFFL_SIR_NOPM_2_202201027132538_202201027133749_0001  CS_OFFL_SIR_NOPM_2_2022010271333914_202201027133749_0001  CS_OFFL_SIR_NOPM_2_202201027132528_202201027133749_0001  CS_OFFL_SIR_NOPM_2_202201027133814_202201027133844_C001  CS_OFFL_SIR_NOPM_2_202201027133822_202201027134890_C001  CS_OFFL_SIR_NOPM_2_202201027133844_C001  CS_OFFL_SIR_NOPM_2_202201027133844_C001  CS_OFFL_SIR_NOPM_2_202201027133844_C001  CS_OFFL_SIR_NOPM_2_202201027133844_C001  CS_OFFL_SIR_NOPM_2_202201027133844_C001  CS_OFFL_SIR_NOPM_2_202201027133844_C001  CS_OFFL_SIR_NOPM_2_202201027133844_C00201027135890_C001  CS_OFFL_SIR_NOPM_2_202201027133844_C00201027135890_C001  CS_OFFL_SIR_NOPM_2_202201027135831_C00201027135890_C001  CS_OFFL_SIR_NOPM_2_202201027135831_C00201027135835_C001  CC_OFFL_SIR_NOPM_2_202201027135835_C00201027135845_C001  CC_OFFL_SIR_NOPM_2_202201027135835_C00201027135845_C001  CC_OFFL_SIR_NOPM_2_2022010271	CS_OFFL_SIR_NOPM_2_20220102T120142_20220102T121853_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, COOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_202201027131729_202201027131625_C001  CS_OFFL_SIR_NOPM_2_202201027132528_202201027133748_C001  CS_OFFL_SIR_NOPM_2_202201027133844_C001  CS_OFFL_SIR_NOPM_2_202201027133844_2001  CS_OFFL_SIR_NOPM_2_202201027133844_2001  CS_OFFL_SIR_NOPM_2_202201027134231_202201027133444_C001  CS_OFFL_SIR_NOPM_2_202201027134231_202201027135444_C001  CS_OFFL_SIR_NOPM_2_202201027134231_202201027135444_C001  CS_OFFL_SIR_NOPM_2_202201027134231_202201027135444_C001  CS_OFFL_SIR_NOPM_2_202201027134231_202201027135444_C001  CS_OFFL_SIR_NOPM_2_202201027134231_202201027135444_C001  CS_OFFL_SIR_NOPM_2_202201027134231_202201027135440_C001  CS_OFFL_SIR_NOPM_2_202201027134231_2022010271354540_C001  CS_OFFL_SIR_NOPM_2_202201027145054_202201027145540_C001  CS_OFFL_SIR_NOPM_2_202201027145054_202201027145540_C001  CS_OFFL_SIR_NOPM_2_202201027152342_202201027145540_C001  CS_OFFL_SIR_NOPM_2_202201027152342_202201027145540_C001  CS_OFFL_SIR_NOPM_2_202201027152342_202201027152859_C001  CS_OFFL_SIR_NOPM_2_202201027152342_202201027152859_C001  CS_OFFL_SIR_NOPM_2_202201027152342_202201027153631_C001  CS_OFFL_SIR_NOPM_2_202201027163350_20201027163455_C001  CS_OFFL_SIR_NOPM_2_202201027163350_20201027163455_C001  CS_OFFL_SIR_NOPM_2_202201027163350_20201027163455_C001  CS_OFFL_SIR_NOPM_2_202201027163350_20201027163455_C001  CS_OFFL_SIR_NOPM_2_202201027163518_202201027163455_C001  CCS_OFFL_SIR_NOPM_2_202201027163518_202201027163455_C001  CCS_OFFL_SIR_NOPM_2_202201027163518_202201027163455_C001  CCS_OFFL_SIR_NOPM_2_202201027163518_202201027163455_C001  CCS_OFFL_SIR_NOPM_2_202201027163518_202201027163655_C001  CCS_OFFL_SIR_NOPM_2_202201027163518_202201027163655_C001  CCS_OFFL_SIR_NOPM_2_202201027163518_202201027163655_C001  CCS_OFFL_SIR_NOPM_2_202201027163518_202201027163655_C001  CCS_OFFL_SIR_NOPM_2_202201027163518_202201027163655_C001  CCS_OFFL_SIR_NOPM_2_202201027163518_202201027163655_C001  CCS_OFFL_SIR_NOPM_2_20220102716351	CS_OFFL_SIR_NOPM_2_20220102T124220_20220102T125155_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Sackscatter Quality  CS_OFFL_SIR_NOPM_2_20220102T132528_20220102T133748_C001  CS_OFFL_SIR_NOPM_2_20220102T132528_20220102T133748_C001  CS_OFFL_SIR_NOPM_2_20220102T132528_20220102T133844_C001  CS_OFFL_SIR_NOPM_2_20220102T133814_20220102T133844_C001  CS_OFFL_SIR_NOPM_2_20220102T134231_20220102T134542_C001  CS_OFFL_SIR_NOPM_2_20220102T144231_20220102T134542_C001  CS_OFFL_SIR_NOPM_2_20220102T144231_20220102T144519_C001  CS_OFFL_SIR_NOPM_2_20220102T145324_20220102T145540_C001  CS_OFFL_SIR_NOPM_2_20220102T145024_20220102T145540_C001  CS_OFFL_SIR_NOPM_2_20220102T145054_20220102T152650_C001  CS_OFFL_SIR_NOPM_2_20220102T150230_20220102T152650_C001  CS_OFFL_SIR_NOPM_2_20220102T160230_20220102T152650_C001  CS_OFFL_SIR_NOPM_2_20220102T160230_20220102T152650_C001  CS_OFFL_SIR_NOPM_2_20220102T160230_20220102T152650_C001  CS_OFFL_SIR_NOPM_2_20220102T160230_20220102T152650_C001  CS_OFFL_SIR_NOPM_2_20220102T160230_20220102T152650_C001  CS_OFFL_SIR_NOPM_2_20220102T160230_20220102T152650_C001  CS_OFFL_SIR_NOPM_2_20220102T160230_20220102T152650_C001  CS_OFFL_SIR_NOPM_2_20220102T160230_20220102T152650_C001  CS_OFFL_SIR_NOPM_2_20220102T160230_20220102T162630_C001  CS_OFFL_SIR_NOPM_2_20220102T160230_20220102T162630_C001  CS_OFFL_SIR_NOPM_2_20220102T160230_20220102T162630_C001  CS_OFFL_SIR_NOPM_2_20220102T160230_20220102T162403_C001  CS_OFFL_SIR_NOPM_2_20220102T160300_20220102T163455_C001  CS_OFFL_SIR_NOPM_2_20220102T163160_20220102T163455_C001  CS_OFFL_SIR_NOPM_2_20220102T16316_20220102T163455_C001  CS_OFFL_SIR_NOPM_2_20220102T16316_202201	CS_OFFL_SIR_NOPM_2_20220102T125358_20220102T130907_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_20220102T133814_20220102T133844_C001  CS_OFFL_SIR_NOPM_2_20220102T134231_20220102T135424_C001  CS_OFFL_SIR_NOPM_2_20220102T134231_20220102T135424_C001  CS_OFFL_SIR_NOPM_2_20220102T134231_20220102T134242_C001  CS_OFFL_SIR_NOPM_2_20220102T144392_20220102T144819_C001  CS_OFFL_SIR_NOPM_2_20220102T145054_2020102T145450_C001  CS_OFFL_SIR_NOPM_2_20220102T145030_20220102T152859_C001  CS_OFFL_SIR_NOPM_2_20220102T152942_20220102T152859_C001  CS_OFFL_SIR_NOPM_2_20220102T163303_C001  CS_OFFL_SIR_NOPM_2_20220102T163303_20220102T163455_C001  CS_OFFL_SIR_NOPM_2_20220102T163102_20220102T163455_C001  CS_OFFL_SIR_NOPM_2_20220102T163102_20220102T163455_C001  CS_OFFL_SIR_NOPM_2_20220102T163102_20220102T163455_C001  CS_OFFL_SIR_NOPM_2_20220102T163102_20220102T163455_C001  CS_OFFL_SIR_NOPM_2_20220102T163102_20220102T163635_C001  CS_OFFL_SIR_NOPM_2_20220102T163102_20220102T163635_C001  CS_OFFL_SIR_NOPM_2_20220102T163102_20220102T163635_C001  CS_OFFL_SIR_NOPM_2_20220102T163103_20220102T163635_C001  CS_OFFL_SIR_NOPM_2_20220102T163103_20220102T163635_C001  CS_OFFL_SIR_NOPM_2_20220102T163103_20220102T163635_C001  CS_OFFL_SIR_NOPM_2_20220102T163103_20220102T163635_C001  CS_OFFL_SIR_NOPM_2_20220102T163103_20220102T163635_C001  CS_OFFL_SI	CS_OFFL_SIR_NOPM_2_20220102T131129_20220102T131625_C001		
CS_OFFL_SIR_NOPM_2_20220102T143231_20220102T144819_C001  CS_OFFL_SIR_NOPM_2_20220102T1443322_20220102T144819_C001  CS_OFFL_SIR_NOPM_2_20220102T145054_20220102T145540_C001  CS_OFFL_SIR_NOPM_2_20220102T145054_20220102T145540_C001  CS_OFFL_SIR_NOPM_2_20220102T145054_20220102T145540_C001  CS_OFFL_SIR_NOPM_2_20220102T15030_20220102T152859_C001  CS_OFFL_SIR_NOPM_2_20220102T15030_20220102T15030_2020102T15030_C002  Altimeter Range and Backscatter Quality COOG  Altimeter Range and Backscatter Quality Selection on or more records.  CS_OFFL_SIR_NOPM_2_20220102T15030_20220102T15030_C0020102T15030_C0020102T15030_C0020102T15030_C0020102T15030_C0020102T15030_C0020102T15030_C0020102T150300_C00	CS_OFFL_SIR_NOPM_2_20220102T132528_20220102T133748_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20220102T143322_20220102T144819_CO01 CS_OFFL_SIR_NOPM_2_20220102T145054_20220102T145540_CO01 CS_OFFL_SIR_NOPM_2_20220102T145054_20220102T145540_CO01 CS_OFFL_SIR_NOPM_2_20220102T15054_20220102T152559_CO01 CS_OFFL_SIR_NOPM_2_20220102T150230_20220102T152559_CO01 CS_OFFL_SIR_NOPM_2_20220102T152542_20220102T152559_CO01 CS_OFFL_SIR_NOPM_2_20220102T160300_20220102T162403_CO01 CS_OFFL_SIR_NOPM_2_20220102T163120_20220102T163455_CO01 CS_OFFL_SIR_NOPM_2_20220102T163120_20220102T163455_CO01 CS_OFFL_SIR_NOPM_2_20220102T1631518_20220102T163845_CO01 CS_OFFL_SIR_NOPM_2_20220102T1631518_20220102T163845_CO01 CS_OFFL_SIR_NOPM_2_20220102T16314147_20220102T171012_CO01 CS_OFFL_SIR_NOPM_2_20220102T16314147_20220102T171012_CO01 CS_OFFL_SIR_NOPM_2_20220102T164147_20220102T171012_CO01 CS_OFFL_SIR_NOPM_2_20220102T164147_20220102T171012_CO01 CS_OFFL_SIR_NOPM_2_20220102T164147_20220102T171012_CO01 CS_OFFL_SIR_NOPM_2_20220102T164147_20220102T171012_CO01 CS_OFFL_SIR_NOPM_2_20220102T164147_20220102T171012_CO01 CS_OFFL_SIR_NOPM_2_20220102T164147_20220102T171012_CO01 CS_OFFL_SIR_NOPM_2_20220102T164147_20220102T171012_CO01 CS_OFFL_SIR_NOPM_2_20220102T164147_20220102T171012_CO01 CS_OFFL_SIR_NOPM_2_20220102T1641633_CO01 CS_OFFL_SIR_NOPM_2_20220102T1641633_CO01 CS_OFFL_SIR_NOPM_2_20220102T1641633_CO01 CS_OFFL_SI	CS_OFFL_SIR_NOPM_2_20220102T133814_20220102T133844_C001		
and Backscatter Quality, COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20220102T145054_20220102T145540_CO01  CS_OFFL_SIR_NOPM_2_20220102T150230_20220102T152859_CO01  CS_OFFL_SIR_NOPM_2_20220102T150230_20220102T152859_CO01  CS_OFFL_SIR_NOPM_2_20220102T150230_20220102T152859_CO01  CS_OFFL_SIR_NOPM_2_20220102T152942_20220102T153831_CO01  CS_OFFL_SIR_NOPM_2_20220102T152942_20220102T153831_CO01  CS_OFFL_SIR_NOPM_2_20220102T160300_20220102T162403_CO01  CS_OFFL_SIR_NOPM_2_20220102T160300_20220102T162403_CO01  CS_OFFL_SIR_NOPM_2_20220102T163120_20220102T163455_CO01  CS_OFFL_SIR_NOPM_2_20220102T163120_20220102T163455_CO01  CS_OFFL_SIR_NOPM_2_20220102T16318_20220102T163845_CO01  CS_OFFL_SIR_NOPM_2_20220102T163147_20220102T171012_CO01  CS_OFFL_SIR_NOPM_2_20220102T164147_20220102T171012_CO01  CS_OFFL_SIR_NOPM_2_20220102T164147_20220102T171012_CO01  CS_OFFL_SIR_NOPM_2_20220102T164147_20220102T171012_CO01  CS_OFFL_SIR_NOPM_2_20220102T164147_20220102T171012_CO01  CS_OFFL_SIR_NOPM_2_20220102T164147_20220102T171012_CO01  CS_OFFL_SIR_NOPM_2_20220102T164147_20220102T171012_CO01  CS_OFFL_SIR_NOPM_2_20220102T164147_20220102T180633_CO01  CS_OFFL_SIR_NOPM_2_20220102T164147_20220102T171012_CO01  CS_OFFL_SIR_NOPM_2_20220102T164147_20220102T171012_CO01  CS_OFFL_SIR_NOPM_2_20220102T164147_20220102T180633_CO01  CS_OF	CS_OFFL_SIR_NOPM_2_20220102T134231_20220102T135424_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality  CS_OFFL_SIR_NOPM_2_20220102T150230_20220102T152859_C001  CS_OFFL_SIR_NOPM_2_20220102T152942_20220102T153631_C001  CS_OFFL_SIR_NOPM_2_20220102T152942_20220102T153631_C001  CS_OFFL_SIR_NOPM_2_20220102T163000_20220102T163631_C001  CS_OFFL_SIR_NOPM_2_20220102T163000_20220102T163631_C001  CS_OFFL_SIR_NOPM_2_20220102T163000_20220102T163405_C001  CS_OFFL_SIR_NOPM_2_20220102T163120_20220102T163455_C001  CS_OFFL_SIR_NOPM_2_20220102T163120_20220102T163845_C001  CS_OFFL_SIR_NOPM_2_20220102T163518_20220102T163845_C001  CS_OFFL_SIR_NOPM_2_20220102T163518_20220102T163845_C001  CS_OFFL_SIR_NOPM_2_20220102T163147_20220102T171012_C001  CS_OFFL_SIR_NOPM_2_20220102T164147_20220102T171012_C001  CS_OFFL_SIR_NOPM_2_20220102T164147_20220102T171012_C001  CS_OFFL_SIR_NOPM_2_20220102T164147_20220102T171012_C001  CS_OFFL_SIR_NOPM_2_20220102T164147_20220102T171012_C001  CS_OFFL_SIR_NOPM_2_20220102T164147_20220102T171012_C001  CS_OFFL_SIR_NOPM_2_20220102T164147_20220102T17012_C001  CS_OFFL_SIR_NOPM_2_20220102T164147_20220102T17012	CS_OFFL_SIR_NOPM_2_20220102T143322_20220102T144819_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20220102T152942_20220102T153631_C001  CS_OFFL_SIR_NOPM_2_20220102T160300_20220102T162403_C001  CS_OFFL_SIR_NOPM_2_20220102T160300_20220102T163455_C001  CS_OFFL_SIR_NOPM_2_20220102T163120_20220102T163455_C001  CS_OFFL_SIR_NOPM_2_20220102T16318_20220102T163845_C001  CS_OFFL_SIR_NOPM_2_20220102T163518_20220102T163845_C001  CS_OFFL_SIR_NOPM_2_20220102T16318_20220102T163845_C001  CS_OFFL_SIR_NOPM_2_20220102T16318_20220102T163845_C001  CS_OFFL_SIR_NOPM_2_20220102T16318_20220102T163845_C001  CS_OFFL_SIR_NOPM_2_20220102T16318_20220102T163845_C001  CS_OFFL_SIR_NOPM_2_20220102T16318_20220102T163845_C001  CS_OFFL_SIR_NOPM_2_20220102T164147_20220102T171012_C001  CS_OFFL_SIR_NOPM_2_20220102T174150_20220102T171012_C001  CS_OFFL_SIR_NOPM_2_20220102T174150_20220102T171012_C001  CS_OFFL_SIR_NOPM_2_20220102T174150_20220102T180633_C001  CS_OFFL_SIR_NOPM_2_20220102T174150_20220102T180633_C001  CS_OFFL_SIR_NOPM_2_20220102T174150_20220102T180633_C001  CS_OFFL_SIR_NOPM_2_20220102T174150_20220102T180633_C001  CS_OFFL_SIR_NOPM_2_20220102T174150_20220102T180633_C001  CS_OFFL_SIR_NOPM_2_20220102T174150_20220102T180633_C001  CS_OFFL_SIR_NOPM_2_20220102T174150_20220102T180633_C001  CS_OFFL_SIR_NOPM_2_20220102T174150_2022	CS_OFFL_SIR_NOPM_2_20220102T145054_20220102T145540_C001		
Backscatter Quality  CS_OFFL_SIR_NOPM_2_20220102T160300_20220102T162403_C001  CS_OFFL_SIR_NOPM_2_20220102T160300_20220102T162403_C001  CS_OFFL_SIR_NOPM_2_20220102T163120_20220102T162403_C001  CS_OFFL_SIR_NOPM_2_20220102T163120_20220102T163455_C001  CS_OFFL_SIR_NOPM_2_20220102T163120_20220102T163455_C001  CS_OFFL_SIR_NOPM_2_20220102T163518_20220102T163845_C001  CS_OFFL_SIR_NOPM_2_20220102T163518_20220102T163845_C001  CS_OFFL_SIR_NOPM_2_20220102T163518_20220102T163845_C001  CS_OFFL_SIR_NOPM_2_20220102T164147_20220102T171012_C001  CS_OFFL_SIR_NOPM_2_20220102T174150_20220102T180633_C001  CS_OFFL_SIR_NOPM_2_20220102T17	CS_OFFL_SIR_NOPM_2_20220102T150230_20220102T152859_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20220102T160300_20220102T162403_C001  and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20220102T163120_20220102T163455_C001  CS_OFFL_SIR_NOPM_2_20220102T163518_20220102T163845_C001  CS_OFFL_SIR_NOPM_2_20220102T163518_20220102T163845_C001  CS_OFFL_SIR_NOPM_2_20220102T163518_20220102T163845_C001  CS_OFFL_SIR_NOPM_2_20220102T164147_20220102T171012_C001  CS_OFFL_SIR_NOPM_2_20220102T164147_20220102T171012_C001  CS_OFFL_SIR_NOPM_2_20220102T164147_20220102T171012_C001  CS_OFFL_SIR_NOPM_2_20220102T174150_20220102T180633_C001  CS_OFFL_SIR_NOPM_2_20220102T174150_20220102T180633_C001  CS_OFFL_SIR_NOPM_2_20220102T174150_20220102T180633_C001  And Backscatter Quality, OCOG Batkimeter Range and Backscatter Quality Flags have been set for one or more records.  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 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_20220102T174150_20220102T180633_C001  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_20220102T152942_20220102T153631_C001		
Backscatter Quality  Gro one or more records.  CS_OFFL_SIR_NOPM_2_20220102T163518_20220102T163845_C001  CS_OFFL_SIR_NOPM_2_20220102T163518_20220102T163845_C001  OCOG Altimeter Range Quality, OCOG Backscatter Quality  OCOE Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  The OCOE Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  OCOE Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  The OCOE Altimeter Range and Backscatter Quality Flags have been set for one or more records.  OCOE Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  The OCOE Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPM_2_20220102T160300_20220102T162403_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality  CS_OFFL_SIR_NOPM_2_20220102T164147_20220102T171012_C001  Backscatter Quality  CS_OFFL_SIR_NOPM_2_20220102T164147_20220102T171012_C001  CS_OFFL_SIR_NOPM_2_20220102T174150_20220102T180633_C001  CS_OFFL_SIR_NOPM_2_20220102T174150_20220102T180633_C001  Backscatter Quality  Gor one or more records.  The 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 and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20220102T174150_20220102T180633_C001  CS_OFFL_SIR_NOPM_2_20220102T180913_20220102T181410_C001  CS_OFFL_SIR_NOPM_2_20220102T180913_20220102T181410_C001  CS_OFFL_SIR_NOPM_2_20220102T180913_20220102T181410_C001  CS_OFFL_SIR_NOPM_2_20220102T180913_20220102T181410_C001  CS_OFFL_SIR_NOPM_2_20220102T180913_20220102T181410_C001	CS_OFFL_SIR_NOPM_2_20220102T163120_20220102T163455_C001		
CS_OFFL_SIR_NOPM_2_20220102T164147_20220102T171012_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.  OCOG Altimeter Range 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.  OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPM_2_20220102T163518_20220102T163845_C001		
CS_OFFL_SIR_NOPM_2_20220102T174150_20220102T180633_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20220102T180613_20220102T181410_C001  CS_OFFL_SIR_NOPM_2_20220102T180613_20220102T181410_C001	CS_OFFL_SIR_NOPM_2_20220102T164147_20220102T171012_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_NOPM_2_20220102T174150_20220102T180633_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_NOPM_2_20220102T180913_20220102T181410_C001		

CS_OFFL_SIR_NOPM_2_20220102T182226_20220102T185555_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_20220102T190817_20220102T191019_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_20220102T194422_20220102T194440_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_20220102T194912_20220102T195442_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_20220102T200122_20220102T203444_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_20220102T204732_20220102T204909_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_20220102T210658_20220102T212340_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_20220102T212833_20220102T213340_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_20220102T214003_20220102T221341_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_20220102T223834_20220102T230115_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_20220102T231052_20220102T231245_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_20220102T231959_20220102T233220_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_20220102T233341_20220102T233437_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_20220102T234149_20220102T234904_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_20220102T235350_20220102T235357_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_20220102T003853_20220102T004100_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_20220102T014724_20220102T014904_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_20220102T024118_20220102T024240_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_20220102T045548_20220102T045718_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_20220102T114015_20220102T114202_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_20220102T163512_20220102T163518_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_20220102T022724_20220102T022843_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_20220102T072509_20220102T072556_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_20220102T082827_20220102T083027_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_20220102T095051_20220102T095231_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_20220102T123605_20220102T123624_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_20220102T162732_20220102T162848_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_20220102T231829_20220102T231959_C001		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_20220102T235040_20220102T235133_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	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_20220102T005358_20220102T005516_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_20220102T005908_20220102T010036_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_20220102T012136_20220102T012242_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_20220102T013345_20220102T014001_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_20220102T014724_20220102T014904_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_20220102T023333_20220102T023542_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_20220102T023638_20220102T023907_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_20220102T031611_20220102T031747_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_20220102T035328_20220102T035618_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_20220102T035714_20220102T035845_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_20220102T041248_20220102T041733_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_20220102T041828_20220102T041950_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_20220102T063529_20220102T063920_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_20220102T064509_20220102T064633_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_20220102T071030_20220102T071132_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_20220102T072112_20220102T072234_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_20220102T073629_20220102T073751_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_20220102T082341_20220102T082455_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_20220102T095232_20220102T095656_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_20220102T100245_20220102T100403_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_20220102T113039_20220102T113200_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_20220102T122103_20220102T122250_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_20220102T131825_20220102T132053_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_20220102T133748_20220102T133807_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_20220102T133844_20220102T134044_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_20220102T135853_20220102T140158_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_20220102T140222_20220102T140432_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_20220102T144835_20220102T145054_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_20220102T145731_20220102T150150_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_20220102T153643_20220102T153807_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_20220102T153904_20220102T154255_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_20220102T160013_20220102T160300_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_20220102T163845_20220102T164028_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_20220102T172825_20220102T172845_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_20220102T180746_20220102T180913_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_20220102T181746_20220102T181925_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_20220102T185555_20220102T185708_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_20220102T192805_20220102T193138_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_20220102T195443_20220102T195759_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_20220102T204909_20220102T205043_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_20220102T205443_20220102T205555_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_20220102T210440_20220102T210658_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_20220102T212719_20220102T212833_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_20220102T230814_20220102T231051_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_20220102T231245_20220102T231442_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_20220102T003708_20220102T003853_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_20220102T011623_20220102T011835_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_20220102T022724_20220102T022843_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_20220102T023907_20220102T024118_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_20220102T045327_20220102T045548_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_20220102T050701_20220102T050815_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_20220102T054326_20220102T055323_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_20220102T063155_20220102T063528_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_20220102T071307_20220102T071448_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_20220102T072651_20220102T073439_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_20220102T081141_20220102T081512_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_20220102T083514_20220102T084023_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_20220102T090337_20220102T090617_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_20220102T090628_20220102T091706_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_20220102T100404_20220102T100723_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_20220102T104623_20220102T105356_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_20220102T105500_20220102T105642_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_20220102T120102_20220102T120141_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_20220102T122529_20220102T123056_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_20220102T123147_20220102T123243_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_20220102T123636_20220102T123643_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_20220102T123747_20220102T123749_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_20220102T132053_20220102T132328_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_20220102T140159_20220102T140221_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_20220102T140432_20220102T141124_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_20220102T142507_20220102T143322_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_20220102T152859_20220102T152942_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_20220102T154256_20220102T154805_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_20220102T154840_20220102T155012_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_20220102T172029_20220102T172719_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_20220102T181926_20220102T182226_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_20220102T185902_20220102T190633_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_20220102T190653_20220102T190817_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_20220102T191020_20220102T191158_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_20220102T191542_20220102T191733_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_20220102T195759_20220102T200122_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_20220102T205108_20220102T205332_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_20220102T205555_20220102T205803_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_20220102T213656_20220102T214002_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_20220102T221341_20220102T221535_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_20220102T230116_20220102T230814_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_20220102T231829_20220102T231959_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_20220102T235139_20220102T235310_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_20220102T235314_20220102T235330_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_20220102T235621_20220103T000200_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:

### 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.

Number of products with errors:

## L2 Retracking Flags (20Hz, PLRM)

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

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

Number of products with errors: 128

## 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	195	195	2	193	0
SIR_NOPR1B	120	120	0	120	0
SIR_NOPN1B	101	101	3	98	0

SIR_NOPM_2	195	195	146	49	0
SIR_NOPR_2	120	120	41	70	9
SIR_NOPN_2	101	101	41	60	0

## 7.1 QCC Errors

Number of QCC reports with errors:

14

Total number of occurrences of each error

<b>Product Type</b>	RLOBOPNCDF	RL	RL	RLOBOPNCDF	RL	RL	-	-	-	-	-
SIR_NOPR_2	9	2	9	9	2	9					

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

# 7.2 QCC Warnings

Number of QCC reports with warnings

1695

Total number of occurrences of each warning

Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD	
SIR_NOPM1B	193	0	0	0	0	0	0	
SIR_NOPM_2	0	0	39	39	0	40	0	
SIR_NOPN1B	96	0	0	0	0	0	0	
SIR_NOPN_2	0	0	9	28	6	26	25	
SIR_NOPR1B	111	0	0	0	0	0	0	
SIR NOPR 2	0	9	38	44	0	22	17	

Product Type	RBSZOPOEPNCDF	RNELPOTONCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNCI	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF
SIR_NOPM1B	0	0	0	0	0	0	0
SIR_NOPM_2	35	0	37	0	0	0	0
SIR_NOPN1B	0	0	0	0	0	0	0
SIR_NOPN_2	14	0	0	0	17	0	29
SIR_NOPR1B	0	0	0	0	0	0	0
SIR_NOPR_2	3	5	0	44	0	52	0

Product Type	RPEPOPLRMNCDF	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
SIR_NOPM1B	0	0	0	0	0	0	0
SIR_NOPM_2	27	0	0	7	25	0	4
SIR_NOPN1B	0	0	0	0	0	0	0
SIR_NOPN_2	0	0	20	12	42	50	30
SIR_NOPR1B	0	0	0	0	0	0	0
SIR_NOPR_2	0	43	0	1	58	33	8

Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF	•
SIR_NOPM1B	0	0	0	0	0	0	
SIR_NOPM_2	31	0	1	0	0	0	
SIR_NOPN1B	0	0	0	0	43	0	
SIR_NOPN_2	28	27	12	1	0	0	
SIR_NOPR1B	0	0	0	0	119	9	
SIR NOPR 2	33	42	0	11	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
RNELPOTONCDF	RangeNELPOceanTideOceanNetCDF	The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing) for surface type = ocean
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
RSWHOEPNCDF	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