

### 1. Overview

Report Production:	04-May-2023	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Near Real Time Ocean Products (NO L1B & L2 Science Data	

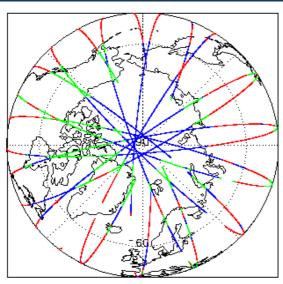
#### We would love to hear from you!

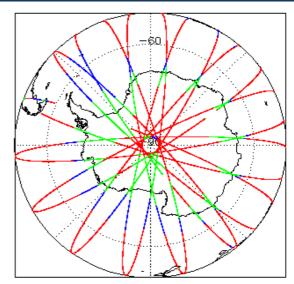
Please let us know your feedback about these daily quality reports: What do you like/ dislike? What quality information do you need? Send your feedback to cs2\_qc\_team@telespazio.com

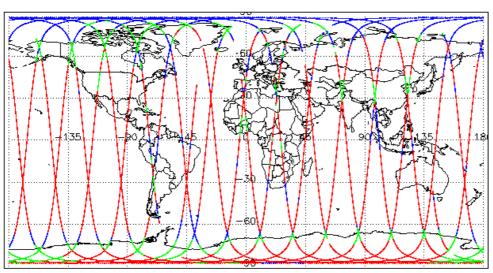
Check	L1 & L2
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Auxiliary Data File Usage Check	Nominal
Auxiliary Correction Error Check	See Section 5.4
Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5
Measurement Quality Flag Check	See Section 5.6
Ocean Retracking Quality Check	See Section 5.7
QCC Error/ Warning Check	See Section 7.1 and 7.2

Mission / Instrument News		
02-May-202	None	
03-May-202	None	
04-May-202	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 NOPR and NOPN 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. The attitude correction is not actually missing, 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_20230503T043108_20230503T043603_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 occasional products over land, but this is to be expected.

Number of products with errors:

17

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20230503T010045_20230503T011009_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20230503T045845_20230503T052702_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20230503T074510_20230503T074635_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20230503T221256_20230503T221839_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20230503T012933_20230503T013114_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20230503T034916_20230503T035105_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20230503T044005_20230503T044022_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20230503T062838_20230503T063303_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20230503T143252_20230503T143722_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20230503T195201_20230503T195252_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20230503T012148_20230503T012340_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20230503T031219_20230503T031430_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20230503T062119_20230503T062434_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20230503T094013_20230503T094730_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20230503T121440_20230503T122119_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20230503T143818_20230503T144311_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20230503T230014_20230503T230207_C001	Loss of Echo	The tracking echo is missing for one or more records

## 5. NOP Level 2 Data Quality Check

### 5.1 L2 Product Format Check

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

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.
- > Altimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.

Number of products with errors:

48

Product	Test Failed	Description
		There is an error with the Mean Dynamic Topography height for one or
CS_OFFL_SIR_NOPM_2_20230503T045845_20230503T052701_C001	Mean Dynamic Topography (1)	more records
CS_OFFL_SIR_NOPM_2_20230503T131544_20230503T132611_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_20230503T003030_20230503T003424_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_20230503T012011_20230503T012128_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_20230503T012710_20230503T012820_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_20230503T030629_20230503T031218_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_20230503T034916_20230503T035105_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_20230503T035918_20230503T040140_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_20230503T044040_20230503T044221_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_20230503T044638_20230503T045052_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_20230503T062435_20230503T062519_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_20230503T062838_20230503T063303_C001	Mean Sea Surface (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20230503T070852_20230503T071225_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_20230503T071800_20230503T071915_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_20230503T084810_20230503T085130_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_20230503T085642_20230503T085807_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_20230503T093802_20230503T094012_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_20230503T103546_20230503T103654_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_20230503T111814_20230503T111925_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_20230503T120331_20230503T120512_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_20230503T121249_20230503T121440_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_20230503T125616_20230503T125840_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_20230503T143252_20230503T143722_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_20230503T143806_20230503T143817_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_20230503T152155_20230503T152443_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_20230503T161159_20230503T161545_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_20230503T161623_20230503T161653_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_20230503T180155_20230503T180326_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_20230503T202743_20230503T203049_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_20230503T220044_20230503T220335_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_20230503T220644_20230503T221020_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_20230503T234123_20230503T234357_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_20230503T012148_20230503T012340_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_20230503T012340_20230503T012710_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_20230503T030006_20230503T030629_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_20230503T044221_20230503T044637_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_20230503T062119_20230503T062434_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_20230503T062519_20230503T062838_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_20230503T075939_20230503T080735_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_20230503T094013_20230503T094730_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_20230503T111925_20230503T112641_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_20230503T125840_20230503T130403_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_20230503T143722_20230503T143806_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_20230503T143818_20230503T144311_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_20230503T144313_20230503T144437_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPR_2_20230503T161545_20230503T161623_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_20230503T161653_20230503T162431_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_20230503T175238_20230503T175952_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

#### 5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20230503T043108_20230503T043603_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 (20 Hz)

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:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20230502T235321_20230503T001114_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_20230503T001232_20230503T002621_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_NOPM_2_20230503T003424_20230503T003624_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_20230503T003734_20230503T004126_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

Ocean Allimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records  CS_OFFL_SIR_NOPM_2_20230503T012820_20230503T012933_C001  CS_OFFL_SIR_NOPM_2_20230503T012820_20230503T012933_C001  CS_OFFL_SIR_NOPM_2_20230503T013750_20230503T012933_C001  CS_OFFL_SIR_NOPM_2_20230503T013750_20230503T014932_C001  CS_OFFL_SIR_NOPM_2_20230503T012750_20230503T014932_C001  CS_OFFL_SIR_NOPM_2_20230503T020520_20230503T0120914_C001  CS_OFFL_SIR_NOPM_2_20230503T020520_20230503T020914_C001  CS_OFFL_SIR_NOPM_2_20230503T020520_20230503T020914_C001  CS_OFFL_SIR_NOPM_2_20230503T020520_20230503T020208_C001  CS_OFFL_SIR_NOPM_2_20230503T022242_20230503T022028_C001  CS_OFFL_SIR_NOPM_2_20230503T022242_20230503T022028_C001  CS_OFFL_SIR_NOPM_2_20230503T022242_20230503T0223751_C001  CS_OFFL_SIR_NOPM_2_20230503T022242_20230503T023751_C001  CS_OFFL_SIR_NOPM_2_20230503T022242_20230503T032421_C001  CS_OFFL_SIR_NOPM_2_20230503T032434_20230503T032421_C001  CS_OFFL_SIR_NOPM_2_20230503T032434_20230503T034833_C001  CS_OFFL_SIR_NOPM_2_20230503T03444_20230503T034833_C001  CS_OFFL_SIR_NOPM_2_20230503T03444_20230503T034833_C001  CS_OFFL_SIR_NOPM_2_20230503T03444_20230503T034833_C001  CS_OFFL_SIR_NOPM_2_20230503T035105_20230503T035315_C001  CS_OFFL_SIR_NOPM_2_20230503T03538_20230503T035315_C001  CS_OFFL_SIR_NOPM_2_202305
Backscatter Quality  CS_OFFL_SIR_NOPM_2_20230503T013750_20230503T014932_C001  CS_OFFL_SIR_NOPM_2_20230503T020520_20230503T020914_C001  CS_OFFL_SIR_NOPM_2_20230503T020520_20230503T020914_C001  CS_OFFL_SIR_NOPM_2_20230503T020520_20230503T020914_C001  CS_OFFL_SIR_NOPM_2_20230503T021232_20230503T020914_C001  CS_OFFL_SIR_NOPM_2_20230503T021232_20230503T022028_C001  CS_OFFL_SIR_NOPM_2_20230503T021232_20230503T022028_C001  CS_OFFL_SIR_NOPM_2_20230503T021232_20230503T022028_C001  CS_OFFL_SIR_NOPM_2_20230503T022242_20230503T022028_C001  CS_OFFL_SIR_NOPM_2_20230503T022242_20230503T023751_C001  CS_OFFL_SIR_NOPM_2_20230503T022242_20230503T023751_C001  CS_OFFL_SIR_NOPM_2_20230503T031447_20230503T032421_C001  CS_OFFL_SIR_NOPM_2_20230503T031447_20230503T034833_C001  CS_OFFL_SIR_NOPM_2_20230503T032434_20230503T034833_C001  CS_OFFL_SIR_NOPM_2_20230503T035105_20230503T035315_C001  CS_OFFL_SIR_NOPM_2_20230503T035338_20230503T035315_C001  CCOCG Altimeter Range and Backscatter Quality. OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records  The Ocean Altimeter Range and Backscatter Quality Flags have been for one or more records  The Ocean Altimeter Range and Backscatter Quality Flags have been for one or more records  The Ocean Altimeter Range and Backscatter Quality Flags have been for one or more records  The Ocean Altimeter Range and Backscatter Quality Flags have been for one or more records  The Ocean Altimeter Range and Backscatter Quality Flags have been for one or more records  The Ocean Altim
Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records  CS_OFFL_SIR_NOPM_2_20230503T021232_20230503T022028_C001  CS_OFFL_SIR_NOPM_2_20230503T022242_20230503T022028_C001  CS_OFFL_SIR_NOPM_2_20230503T022242_20230503T022028_C001  CS_OFFL_SIR_NOPM_2_20230503T022242_20230503T022028_C001  CS_OFFL_SIR_NOPM_2_20230503T022242_20230503T022028_C001  CS_OFFL_SIR_NOPM_2_20230503T022242_20230503T022028_C001  CS_OFFL_SIR_NOPM_2_20230503T031447_20230503T032421_C001  CS_OFFL_SIR_NOPM_2_20230503T031447_20230503T032421_C001  CS_OFFL_SIR_NOPM_2_20230503T031447_20230503T034833_C001  CS_OFFL_SIR_NOPM_2_20230503T032434_20230503T034833_C001  CS_OFFL_SIR_NOPM_2_20230503T032434_20230503T034833_C001  CS_OFFL_SIR_NOPM_2_20230503T035105_20230503T035315_C001  CS_OFFL_SIR_NOPM_2_20230503T035338_20230503T035317_C001  CS_OFFL_SIR_NOPM_2_20230503T035338_20230503T035317_C001  CS_OFFL_SIR_NOPM_2_20230503T035388_20230503T035317_C001  CS_OFFL_SIR_NOPM_2_20230503T035338_20230503T035317_C001  CS_OFFL_SIR_NOPM_2_20230503T035338_202
Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records  CS_OFFL_SIR_NOPM_2_20230503T021232_20230503T022028_C001  CS_OFFL_SIR_NOPM_2_20230503T021232_20230503T02208_C001  CS_OFFL_SIR_NOPM_2_20230503T021232_20230503T02208_C001  CS_OFFL_SIR_NOPM_2_20230503T022242_20230503T023751_C001  CS_OFFL_SIR_NOPM_2_20230503T022242_20230503T023751_C001  CS_OFFL_SIR_NOPM_2_20230503T031447_20230503T032421_C001  CS_OFFL_SIR_NOPM_2_20230503T031447_20230503T032421_C001  CS_OFFL_SIR_NOPM_2_20230503T031447_20230503T032421_C001  CS_OFFL_SIR_NOPM_2_20230503T032434_20230503T034833_C001  CS_OFFL_SIR_NOPM_2_20230503T032434_20230503T034833_C001  CS_OFFL_SIR_NOPM_2_20230503T035105_20230503T035315_C001  CS_OFFL_SIR_NOPM_2_20230503T035338_20230503T035315_C001  CS_OFFL_SIR_NOPM_2_20230503T035338_20230503T035315_C001  CS_OFFL_SIR_NOPM_2_20230503T035338_20230503T035317_C001  CS_OFFL_SIR_NOPM_2_20230503T035338_20230503T035317_C001  Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records  CS_OFFL_SIR_NOPM_2_20230503T035338_20230503T035315_C001  CS_OFFL_SIR_NOPM_2_20230503T035338_20230503T035315_C001  CS_OFFL_SIR_NOPM_2_20230503T035338_20230503T035315_C001  CS_OFFL_SIR_NOPM_2_20230503T035338_20230503T035315_C001  CS_OFFL_SIR_NOPM_2_20230503T035338_20230503T035315_C001  CS_OFFL_SIR_NOPM_2_20230503T035338_20230503T035315_C001  CS_OFFL_SIR_NOPM_2_20230503T035338_20230503T035315_C001  CS_OFFL_SIR_NOPM_2_20230503T035338_20230503T035315_C001  CS_OFFL_SIR_NOPM_2_20230503T035338_20230503T035317_C001  CS_OFFL_SIR_NOPM_2_20230503T035338_20230503T035317_C001  CS_OFFL_SIR_NOPM_2_20230503T035338_20230503T035317_C001  CS_OFFL_SIR_NOPM_2_20230503T035338_20230503T035317_C001  CS_OFFL_SIR_NOPM_2_20230503T035338_20230503T035317_C001  CS_OFFL_SIR_NOPM_2_20230503T035338_20230503T035317_C001  CS_OFFL_SIR_NOPM_2_20230503T035338_20230503T035317_C001  CS_OFFL_SIR_NOPM_2_20230503T035338_20230503T035317_C001  CS_OFFL_SIR_NOPM_2_20230503T035338_20230503
Backscatter Quality  CS_OFFL_SIR_NOPM_2_20230503T022242_20230503T023751_C001  CS_OFFL_SIR_NOPM_2_20230503T022242_20230503T032421_C001  CS_OFFL_SIR_NOPM_2_20230503T031447_20230503T032421_C001  CS_OFFL_SIR_NOPM_2_20230503T031447_20230503T032421_C001  CS_OFFL_SIR_NOPM_2_20230503T032434_20230503T032421_C001  CS_OFFL_SIR_NOPM_2_20230503T032434_20230503T034833_C001  CS_OFFL_SIR_NOPM_2_20230503T032434_20230503T034833_C001  CS_OFFL_SIR_NOPM_2_20230503T032434_20230503T035315_C001  CS_OFFL_SIR_NOPM_2_20230503T035338_20230503T035315_C001  CS_OFFL_SIR_NOPM_2_20230503T035338_20230503T035917_C001  Backscatter Quality  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records  The Ocoan Altimeter Range and Backscatter Quality Flags have been for one or more records  The OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records  The OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records  The OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records  CS_OFFL_SIR_NOPM_2_20230503T035338_20230503T035917_C001  OCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have been for one or more records  OCOG Altimeter Range, SSHA, SWH  The Ocoan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records  The OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records  OCOG Altimeter Range, SSHA, SWH  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records  CS_OFFL_SIR_NOPM_2_20230503T031447_20230503T032421_C001  CS_OFFL_SIR_NOPM_2_20230503T031447_20230503T032421_C001  CS_OFFL_SIR_NOPM_2_20230503T031447_20230503T032421_C001  CS_OFFL_SIR_NOPM_2_20230503T032434_20230503T034833_C001  CS_OFFL_SIR_NOPM_2_20230503T032434_20230503T034833_C001  CS_OFFL_SIR_NOPM_2_20230503T032434_20230503T034833_C001  CS_OFFL_SIR_NOPM_2_20230503T035105_20230503T035315_C001  CS_OFFL_SIR_NOPM_2_20230503T035315_20230503T035315_C001  CS_OFFL_SIR_NOPM_2_20230503T035338_20230503T035315_C001  CS_OFFL_SIR_NOPM_2_20230503T035338_20230503T035917_C001  CS_OFFL_SIR_NOPM_2_20230503T035338_20230503T035917_C
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records  CS_OFFL_SIR_NOPM_2_20230503T035338_20230503T035917_C001  and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range Quality, OCOG Backscatter Quality  CS_OFFL_SIR_NOPM_2_20230503T035105_20230503T035315_C001  CS_OFFL_SIR_NOPM_2_20230503T035338_20230503T035917_C001  CCOG Altimeter Range Quality, OCOG Backscatter Quality  CCOG Altimeter Range and Backscatter Quality Flags have been for one or more records  CCOG Altimeter Range Quality, OCOG Backscatter Quality  CCOG Altimeter Range and Backscatter Quality Flags have been for one or more records  CCOG Altimeter Range Quality, OCOG Backscatter Quality  CCOG Altimeter Range and Backscatter Quality Flags have been for one or more records  CCOG Altimeter Range, SSHA, SWH  CCOG Altimeter Range and Backscatter Quality Flags have been for one or more records  CCOG Altimeter Range, SSHA, SWH  CCOG Altimeter Range and Backscatter Quality Flags have been for one or more records  CCOG Altimeter Range, SSHA, SWH  CCOG Altimeter Range and Backscatter Quality Flags have been for one or more records
CS_OFFL_SIR_NOPM_2_20230503T032434_20230503T034833_C001  and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records  CS_OFFL_SIR_NOPM_2_20230503T035105_20230503T035315_C001  CS_OFFL_SIR_NOPM_2_20230503T035338_20230503T035315_C001  CS_OFFL_SIR_NOPM_2_20230503T035338_20230503T035315_C001  CS_OFFL_SIR_NOPM_2_20230503T035338_20230503T035315_C001  CS_OFFL_SIR_NOPM_2_20230503T035338_20230503T035315_C001  CS_OFFL_SIR_NOPM_2_20230503T035338_20230503T035317_C001  CS_OFFL_SIR_NOPM_2_20230503T035318_20230503T035317_C001  CS_OFFL_SIR_NOPM_2_20230503T035318_20230503T035317_C001  CS_OFFL_SIR_NOPM_2_20230503T035318_20230503T035317_C001  CS_OFFL_SIR_NOPM_2_20230503T035318_20230503T035317_C00
Backscatter Quality  CS_OFFL_SIR_NOPM_2_20230503T035318_20230503T035917_C001  Backscatter Quality  Gor one or more records  OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Ocean Altimeter Range, SSHA, SWH  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records
Backscatter Quality  for one or more records  Ocean Altimeter Range, SSHA, SWH  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Fla
CS_OFFL_SIR_NOPM_2_20230503T040206_20230503T042711_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have because of the Altimeter Range and Backscatter Quality set for one or more records
CS_OFFL_SIR_NOPM_2_20230503T045052_20230503T045135_C001  OCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have been for one or more records
CS_OFFL_SIR_NOPM_2_20230503T045845_20230503T052701_C001  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flam and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records
CS_OFFL_SIR_NOPM_2_20230503T053315_20230503T053747_C001  OCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have been for one or more records
CS_OFFL_SIR_NOPM_2_20230503T054049_20230503T060125_C001  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flament Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been also been set of the company of the compan
CS_OFFL_SIR_NOPM_2_20230503T060915_20230503T060948_C001  OCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have been for one or more records
CS_OFFL_SIR_NOPM_2_20230503T063303_20230503T070613_C001  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flament Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have because of the Company of the Co
CS_OFFL_SIR_NOPM_2_20230503T071226_20230503T071759_C001  OCOG Altimeter Range Quality, OCOG for one or more records  The OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records
CS_OFFL_SIR_NOPM_2_20230503T071934_20230503T072545_C001  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be Altimeter Range and Backscatter Quality Flags have be Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be Altimeter Range, SSHA,
CS_OFFL_SIR_NOPM_2_20230503T075656_20230503T075838_C001  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have b Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have b set for one or more records
CS_OFFL_SIR_NOPM_2_20230503T081145_20230503T084534_C001  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records
CS_OFFL_SIR_NOPM_2_20230503T085130_20230503T085642_C001  OCOG Altimeter Range Quality, OCOG Backscatter Quality  The OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records
CS_OFFL_SIR_NOPM_2_20230503T085853_20230503T091825_C001  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have by and Backscatter Quality Flags have by an experiment of the Ocoan Altimeter Range and Backscatter Quality Flags have by set for one or more records
CS_OFFL_SIR_NOPM_2_20230503T093623_20230503T093638_C001  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records
CS_OFFL_SIR_NOPM_2_20230503T095013_20230503T101122_C001  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Set for one or more records

CS_OFFL_SIR_NOPM_2_20230503T101232_20230503T102354_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
CS_OFFL_SIR_NOPM_2_20230503T102821_20230503T103130_C001	Altimeter Range and Backscatter Quality  OCOG Altimeter Range Quality, OCOG Backscatter Quality	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_20230503T103147_20230503T103545_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_20230503T103822_20230503T110648_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_20230503T110704_20230503T111406_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_20230503T111543_20230503T111814_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_20230503T113215_20230503T113259_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_20230503T113330_20230503T114701_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_20230503T114732_20230503T120320_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_20230503T120512_20230503T121030_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_20230503T121049_20230503T121249_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_20230503T122119_20230503T123406_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_20230503T123621_20230503T124824_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_20230503T125056_20230503T125217_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_20230503T131544_20230503T132611_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_20230503T132750_20230503T134230_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_20230503T134438_20230503T134942_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_20230503T135813_20230503T135910_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_20230503T141535_20230503T141959_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_20230503T142122_20230503T142823_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_20230503T145030_20230503T145322_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_20230503T150007_20230503T150224_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_20230503T150427_20230503T152127_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_20230503T152444_20230503T152859_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_20230503T152906_20230503T152914_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_20230503T152921_20230503T153105_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_20230503T153520_20230503T155849_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_20230503T163546_20230503T170109_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_20230503T170251_20230503T170814_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_20230503T170821_20230503T171145_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_20230503T171445_20230503T174221_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_20230503T174251_20230503T174713_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_20230503T181231_20230503T183400_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_20230503T183435_20230503T184102_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_20230503T184245_20230503T185053_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_20230503T185405_20230503T192822_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_20230503T201156_20230503T202011_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_20230503T202225_20230503T202742_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_20230503T203331_20230503T210755_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_20230503T212010_20230503T212415_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_20230503T212750_20230503T212859_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_20230503T214005_20230503T214448_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_20230503T214636_20230503T215914_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_20230503T220336_20230503T220643_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_20230503T221256_20230503T221839_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_20230503T221843_20230503T224005_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_20230503T224139_20230503T224605_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_20230503T230304_20230503T231002_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_20230503T231020_20230503T233423_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_20230503T234357_20230503T234551_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_20230503T234827_20230503T235033_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_20230503T235243_20230503T235759_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_20230503T235853_20230504T000902_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_20230503T012933_20230503T013114_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_20230503T020915_20230503T021232_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_20230503T043729_20230503T043742_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_20230503T134251_20230503T134438_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_20230503T160956_20230503T161017_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_20230503T220044_20230503T220335_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_20230503T103144_20230503T103147_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_20230503T120320_20230503T120331_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_20230503T125501_20230503T125615_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_20230503T144313_20230503T144437_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_20230503T195252_20230503T195318_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_20230503T211939_20230503T212010_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_20230503T215915_20230503T220044_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_20230503T224727_20230503T224730_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 (20 Hz 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: 105

Product	Test Failed	Description
CS_OFFL_SIR_NOPN_2_20230503T011009_20230503T011302_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_20230503T012011_20230503T012128_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_20230503T012710_20230503T012820_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_20230503T012933_20230503T013114_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_20230503T024726_20230503T025117_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_20230503T030629_20230503T031218_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_20230503T042908_20230503T043108_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_20230503T044040_20230503T044221_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_20230503T044638_20230503T045052_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_20230503T045135_20230503T045258_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_20230503T045510_20230503T045844_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_20230503T052847_20230503T053027_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_20230503T053138_20230503T053315_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_20230503T053748_20230503T053749_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_20230503T061954_20230503T062118_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_20230503T062435_20230503T062519_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_20230503T062838_20230503T063303_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_20230503T070852_20230503T071225_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_20230503T073543_20230503T073715_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_20230503T074959_20230503T075010_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_20230503T075557_20230503T075656_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_20230503T091826_20230503T092143_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_20230503T093802_20230503T094012_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_20230503T121249_20230503T121440_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_20230503T130403_20230503T130539_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_20230503T131209_20230503T131544_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_20230503T134251_20230503T134438_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_20230503T142000_20230503T142122_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_20230503T143210_20230503T143244_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_20230503T143252_20230503T143722_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_20230503T145350_20230503T145650_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_20230503T152155_20230503T152443_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_20230503T153105_20230503T153410_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_20230503T161017_20230503T1611118_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records

CQ_OFF_SR_NON_2_RESIDENTIFIES 2000001198000_001  CQ_OFF_SR_NON_2_RESIDENTIFIES 2000001198000_001  CQ_OFF_SR_NON_2_RESIDENTIFIES 2000001198000_001  CQ_OFF_SR_NON_2_RESIDENTIFIES 2000001198000_001  CQ_OFF_SR_NON_2_RESIDENTIFIES 2000001198000011980000000000000000000000			
CRIL SIRL ACHIEL 28200000119018_200000119018_COUNTY   CRIL CHILL ACHIEVE ACHIE	CS_OFFL_SIR_NOPN_2_20230503T161159_20230503T161545_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
ODC Secretaria Caulty  The CODE Charge and Bodecaster Quality Flags have been set for more received.  Col. DeFL. SRI. NOPIL 2 2023300119219.2 2022002119220. C021  Col. DeFL. SRI. NOPIL 2 2023300119219.2 2022002119220. C021  Col. DeFL. SRI. NOPIL 2 2023300119202.2 2022002119200. C021  Col. DeFL. SRI. NOPIL 2 2023300119202. C0210119200. C021  Col. DeFL. SRI. NOPIL 2 2023300119202. C02200119200. C021  Col. DeFL. SRI. NOPIL 2 2023300119200. C021  Col. DeFL. SRI. NOPIL 2 20233000119200. C021  Col. DeFL. SRI. NOPIL 2 20233000119200. C021  Col. DeFL. SRI. NOPI	CS_OFFL_SIR_NOPN_2_20230503T161623_20230503T161653_C001	and Backscatter Quality PLRM, 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. OFF. 3R NOPH 2 2000803T19305 2000803T19305 COOR  CS. OFF. 3R NOPH 2 2000803T19305 COOR	CS_OFFL_SIR_NOPN_2_20230503T163138_20230503T163546_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CROPPLIER NORN 2 2000000719692 2000000719692 0000000719692 0000000719692 000000719692 000000719692 000000719692 000000719692 0000000719692 0000000719692 000000719692 000000719692 000000719692 000000719692 0000000719692 000000719692 000000719692 000000719692 000000719692 000000719692 000000719692 000000719692 000000719692 000000719692 0000000719692 000000719692 000000719692 000000719692 000000719692 0000000719692 0000000719692 0000000719692 0000000719692 000000000719692 0000000719692 0000000719692 00000000719692 0000000719692 00000000719692 00000000719692 000000000719692 000000000719692 00000000000000000000000000000000000	CS_OFFL_SIR_NOPN_2_20230503T174714_20230503T175238_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
DESCRIPTION NOPN 2 20200931198094 20200001198095 CED OFFL SIR NOPN 2 20200931198095 20200001109292 CED OFFL SIR NOPN 2 20200931120099 20200001109292 CED OFFL SIR NOPN 2 20200931120099 20200001109292 CED OFFL SIR NOPN 2 20200931120099 20200001120099 CED OFFL SIR NOPN 2 20200931120099 CED OFFL SIR NOPN 2 2020093	CS_OFFL_SIR_NOPN_2_20230503T180155_20230503T180326_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
OCO September 1999, SSH, SWH and Backscatter Coatry Flags and the CoCGO Backscatter Coatry and Backscat	CS_OFFL_SIR_NOPN_2_20230503T185054_20230503T185206_C001	and Backscatter Quality PLRM, 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
OS_OFFL_SIR_NOPH_2_20030031193092_20030031193094_C0101  OS_OFFL_SIR_NOPH_2_200300311903092_200300311903094_C0101  OS_OFFL_SIR_NOPH_2_200300311903092_200300311903094_C0101  OS_OFFL_SIR_NOPH_2_200300311903092_200300311903094_C0101  OS_OFFL_SIR_NOPH_2_200300311903092_200300311903094_C0101  OS_OFFL_SIR_NOPH_2_200300311903092_200300311903094_C0101  OS_OFFL_SIR_NOPH_2_200300311903092_200300311903094_C0101  OS_OFFL_SIR_NOPH_2_200300311903092_200300311903094_C0101  OS_OFFL_SIR_NOPH_2_200300311903092_200300311903094_C0101  OS_OFFL_SIR_NOPH_2_20030031120094_200300311903094_C0101  OS_OFFL_SIR_NOPH_2_20030031120094_200300311903094_C0101  OS_OFFL_SIR_NOPH_2_20030031120094_200300311903094_C0101  OS_OFFL_SIR_NOPH_2_20030031120094_20030031120094_C0101  OS_OFFL_SIR	CS_OFFL_SIR_NOPN_2_20230503T192822_20230503T192955_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
DOCG Selectorial Cuality   Figure   Document   Docume	CS_OFFL_SIR_NOPN_2_20230503T193902_20230503T194046_C001	and Backscatter Quality PLRM, 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
DS_OFFL_SIR_NOPN_2_20209503T027449_20209503T02405_C001  CS_OFFL_SIR_NOPN_2_20209503T225044_20209503T02405_C001  CS_OFFL_SIR_NOPN_2_20209503T025044_20209503T02405_C001  CS_OFFL_SIR_NOPN_2_20209503T025044_20209503T02401_C001  CS_OFFL_SIR_NOPN_2_20209503T025044_20209503T02401_C001  CS_OFFL_SIR_NOPN_2_20209503T025044_20209503T02401_C001  CS_OFFL_SIR_NOPN_2_20209503T025044_20209503T02401_C001  CS_OFFL_SIR_NOPN_2_20209503T025044_20209503T02401_C001  CS_OFFL_SIR_NOPN_2_20209503T025044_20209503T02401_C001  CS_OFFL_SIR_NOPN_2_20209503T025045_20209503T02401_C001  CS_OFFL_SIR_NOPN_2_20209503T025045_20209503T02405_C001  CS_OFFL_SIR_NOPN_2_20209503T02405_20209503T02405_C001  CS_OFFL_SIR_NOPN_2_20209503T02405_20209503T02405_C001  CCS_OFFL_SIR_NOPN_2_20209503T02405_20209503T02405_C001  CCS_OFFL_SIR_NOPN_2_20209503T02405_20209503T02405_C001  CCS_OFFL_SIR_NOPN_2_20209503T02405_20209503T02405_C001  CCS_OFFL_SIR_NOPN_2_20209503T02405_20209503T02405_C001  CCS_OFFL_SIR_NOPN_2_20209503T02405_20209503T02405_C001  CCS_OFFL_SIR_NOPN_2_20209503T02405_20209503T02405_C001  CCS_OFFL_SIR_NOPN_2_20209503T02405_20209503T02405_C001  CCS_OFFL_SIR_NOPN_2_20209503T02405_20209503T02405_C001  CCS_OFFL_SIR_NOPN_2_20209503T02405_20209503T02405_C001  CCS_OFFL_SIR_NOPN_2_20209503T01240_20209503T02405_C001  CCS_OFFL_SIR_NOPN_2_20209503T01240_20209503T02405_C001  CCS_OFFL_SIR_NOPN_2_20209503T01240_20209503T02405_C001  CCS_OFFL_SIR_NOPN_2_20209503T01240_20209503T01230_C001  CCS_OFFL_SIR_NOPN_2_20209503T012	CS_OFFL_SIR_NOPN_2_20230503T202059_20230503T202224_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
OCG Basscater Quality PLRM. CS_OFFL_SIR_NOPN_2_20230503722004_2023050723035_0001  OCG Alternoter Renge Quality PLRM. CS_OFFL_SIR_NOPN_2_202305037225754_202305037230014_0001  Ocan Alternoter Range SSNA_SWH and Backscatter Quality Flags have been set for one room control of the Common Alternoter Range SSNA_SWH and Backscatter Quality Flags have been set for one room control of the Common Alternoter Range SSNA_SWH and Backscatter Quality Flags have been set for one room control of the Common Alternoter Range SSNA_SWH and Backscatter Quality Flags have been set for one room control of the Common Alternoter Range SSNA_SWH and Backscatter Quality Flags have been set for one room control of the Common Alternoter Range SSNA_SWH and Backscatter Quality Flags have been set for one room control of the Common Alternoter Range SSNA_SWH and Backscatter Quality Flags have been set for one room control of the Common Alternoter Range SSNA_SWH and Backscatter Quality Flags have been set for one room control of the Common Alternoter Range SSNA_SWH and Backscatter Quality Flags have been set for one room control of the Common Range SSNA_SWH and Backscatter Quality Flags have been set for one room control of the Common Range SSNA_SWH and Backscatter Quality Flags have been set for one room control of the Common Range SSNA_SWH and Backscatter Quality Flags have been set for one room control of the Common Range SSNA_SWH and Backscatter Quality Flags have been set for one room control of the Common Range SSNA_SWH and Backscatter Quality Flags have been set for one room control of the Common Range SSNA_SWH and Backscatter Quality Flags have been set for one room control of the Common Range and Backscatter Quality Flags have been set for one room control of the Common Range SSNA_SWH and Backscatter Quality Flags have been set for one room control of the Common Range SSNA_SWH and Backscatter Quality Flags have been set for one room control of the Common Range SSNA_SWH and Backscatter Quality Flags have been set for one room control of th	CS_OFFL_SIR_NOPN_2_20230503T202743_20230503T203049_C001	and Backscatter Quality PLRM, 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_20230503T22474_20230503T234014_C001  CS_OFFL_SIR_NOPN_2_20230503T225754_20230503T234017_C001  CS_OFFL_SIR_NOPN_2_20230503T234052_20230503T234057_C001  CS_OFFL_SIR_NOPN_2_20230503T234052_20230503T234057_C001  CS_OFFL_SIR_NOPN_2_20230503T234052_20230503T234057_C001  CS_OFFL_SIR_NOPN_2_20230503T234051_20230503T234057_C001  CS_OFFL_SIR_NOPN_2_20230503T234051_20230503T234057_C001  CS_OFFL_SIR_NOPN_2_20230503T234051_20230503T234057_C001  CS_OFFL_SIR_NOPN_2_20230503T234051_20230503T234057_C001  CS_OFFL_SIR_NOPN_2_20230503T234051_20230503T234551_C001  CS_OFFL_SIR_NOPN_2_20230503T234051_20230503T234551_C001  CS_OFFL_SIR_NOPN_2_20230503T234051_20230503T234551_C001  CS_OFFL_SIR_NOPN_2_20230503T234551_20230503T234551_C001  CS_OFFL_SIR_NOPN_2_20230503T234551_20230503T234551_C001  CS_OFFL_SIR_NOPN_2_20230503T234551_20230503T03333_C001  CS_OFFL_SIR_NOPN_2_20230503T03114_20230503T00333_C001  CS_OFFL_SIR_NOPN_2_20230503T00333_C001  CS_OFFL_SIR_NOPR_2_20230503T003352_20230503T003333_C001  CS_OFFL_SIR_NOPR_2_20230503T003352_20230503T003333_C001  CS_OFFL_SIR_NOPR_2_20230503T01340_20230503T013333_C001  CS_OFFL_SIR_NOPR_2_20230503T01340_20230503T013333_C001  CS_OFFL_SIR_NOPR_2_20230503T01340_20230503T013333_C001  CS_OFFL_SIR_NOPR_2_20230503T01345_20230503T013333_C001  CS_OFFL_SIR_NOPR_2_20230503T01345_20230503T013333_C001  CS_OFFL_SIR_NOPR_2_20230503T01345_20230503T013333_C001  CS_OFFL_SIR_NOPR_2_20230503T01345_20230503T013333_C001  CS_OFFL_SIR_NOPR_2_20230503T01345_20230503T013333_C001  CS_OFFL_SIR_NOPR_2_20230503T01345_20230503T013533_C001  CS_OFFL_SIR_NOPR_2_20230503T01345_20230503T013533_C001  CS_OFFL_SIR_NOPR_2_20230503T01345_20230503T013533_C001  CS_OFFL_SIR_NOPR_2_20230503T01345_20230503T013533_C001  CS_OFFL_SIR_NOPR_2_20230503T01345_20230503T013533_C001  CS_OFFL_SIR_NOPR_2_20230503T01345_20230503T013533_C001  CS_OFFL_SIR_NOPR_2_20230503T01345_20230503T013533_C001  CS_OFFL_SIR_NOPR_2_20230503T01345_20230503T013533_C001  CS_OFFL_SIR_NOPR_2_20230503T01345_20230503T013533_C001  CCS_OFFL_SIR_NOPR_2_20230503T013	CS_OFFL_SIR_NOPN_2_20230503T213633_20230503T214005_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
GS_OFFL_SIR_NOPN_2_20230503T23952_20230503T23011_C001  Animater Range_SSHA_SWH and Backscatter Quality Flags have been for core more records  CS_OFFL_SIR_NOPN_2_20230503T23452_20230503T234357_C001  CS_OFFL_SIR_NOPN_2_20230503T23452_20230503T234357_C001  CS_OFFL_SIR_NOPN_2_20230503T23452_20230503T234357_C001  CS_OFFL_SIR_NOPN_2_20230503T23452_20230503T234720_C001  CS_OFFL_SIR_NOPN_2_20230503T23455_20230503T234720_C001  CS_OFFL_SIR_NOPN_2_20230503T23455_20230503T234720_C001  CS_OFFL_SIR_NOPN_2_20230503T23455_20230503T234720_C001  CS_OFFL_SIR_NOPN_2_20230503T205037_2023053T234720_C001  CS_OFFL_SIR_NOPN_2_20230503T00503T23455_20230503T00502_C001  CS_OFFL_SIR_NOPN_2_20230503T00503T00502_20230503T00503T00502_C001  CS_OFFL_SIR_NOPR_2_20230503T00503T00502_20230503T00503_C001  CS_OFFL_SIR_NOPR_2_20230503T00503T00503T00502_C001  CS_OFFL_SIR_NOPR_2_20230503T00503T00503T00503_C001  CS_OFFL_SIR_NOPR_2_20230503T00503T00503T00503_C001  CS_OFFL_SIR_NOPR_2_20230503T01315_20230503T01353_C001  CS_OFFL_SIR_NOPR_2_20230503T01315_20230503T01353_C001  CS_OFFL_SIR_NOPR_2_20230503T01315_20230503T01353_C001  CS_OFFL_SIR_NOPR_2_20230503T01315_20230503T01353_C001  CS_OFFL_SIR_NOPR_2_20230503T01315_20230503T01353_C001  CS_OFFL_SIR_NOPR_2_20230503T01315_20230503T01353_C001  CS_OFFL_SIR_NOPR_2_20230503T01315_20230503T01353_C001  CS_OFFL_SIR_NOPR_2_20230503T01315_20230503T01353_C001  CS_OFFL_SIR_NOPR_2_20230503T01453_20230503T015422_C001  CCS_OFFL_SIR_NOPR_2_20230503T01453_20230503T015422_C001  CCS_OFFL_SIR_NOPR_2_20230503T01453_20230503T0	CS_OFFL_SIR_NOPN_2_20230503T220044_20230503T220335_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPN_2_20230503T23492_20230503T234172_0001  CS_OFFL_SIR_NOPN_2_20230503T234123_20230503T234357_C001  CS_OFFL_SIR_NOPN_2_20230503T234123_20230503T234357_C001  CS_OFFL_SIR_NOPN_2_20230503T234551_20230503T234720_C001  CS_OFFL_SIR_NOPN_2_20230503T234551_20230503T234720_C001  CS_OFFL_SIR_NOPN_2_20230503T234551_20230503T234720_C001  CS_OFFL_SIR_NOPN_2_20230503T235033_20230503T238215_0001  CS_OFFL_SIR_NOPN_2_20230503T235033_20230503T238215_0001  CS_OFFL_SIR_NOPN_2_20230503T235033_20230503T238215_0001  CS_OFFL_SIR_NOPN_2_20230503T001114_20230503T001231_C001  CS_OFFL_SIR_NOPR_2_20230503T001114_20230503T001231_C001  CS_OFFL_SIR_NOPR_2_20230503T002622_20230503T003030_C001  CS_OFFL_SIR_NOPR_2_20230503T002622_20230503T003030_C001  CS_OFFL_SIR_NOPR_2_20230503T012340_20230503T013533_C001  CS_OFFL_SIR_NOPR_2_20230503T011315_20230503T013533_C001  CS_OFFL_SIR_NOPR_2_20230503T011315_20230503T013533_C001  CS_OFFL_SIR_NOPR_2_20230503T01315_20230503T013533_C001  CS_OFFL_SIR_NOPR_2_20230503T01315_20230503T013533_C001  CS_OFFL_SIR_NOPR_2_20230503T01315_20230503T013533_C001  CS_OFFL_SIR_NOPR_2_20230503T01315_20230503T013533_C001  CS_OFFL_SIR_NOPR_2_20230503T01315_20230503T013533_C001  CS_OFFL_SIR_NOPR_2_20230503T01315_20230503T013533_C001  CS_OFFL_SIR_NOPR_2_20230503T01315_20230503T013533_C001  CS_OFFL_SIR_NOPR_2_20230503T01315_20230503T013533_C001  CS_OFFL_SIR_NOPR_2_20230503T01316_20230503T01353_C001  CS_OFFL_SIR_NOPR_2_20230503T013616_20230503T013533_C001  CS_OFFL_SIR_NOPR_2_20230503T013616_20230503T01350_C001  CCS_OFFL_SIR_NOPR_2_20230503T013616_20230503T01350_C001  CCS_OFFL_SIR_NOPR_2_20230503T013616_20230503T01350_C001  CCS_OFFL_SIR_NOPR_2_20230503T013616_20230503T012406_C001  CCS_OFFL_SIR_NOPR_2_20230503T012412_2001  COCG_Altirneter Range_Coultity PLRM. COCG_Altirneter Range and Backscatter Quality Flags have been set for one records  CCS_OFFL_SIR_NOPR_2_20230503T013616_20230503T012406_C001  CCS_OFFL_SIR_NOPR_2_20230503T012412_200503T012406_C001  CCCG_Altirneter Range_Coultity PLRM. COCG_Altirneter Range Coultity PLR	CS_OFFL_SIR_NOPN_2_20230503T225754_20230503T230014_C001	and Backscatter Quality PLRM, 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_20230503T234551_20230503T234720_C001  CS_OFFL_SIR_NOPN_2_20230503T234551_20230503T234720_C001  CS_OFFL_SIR_NOPN_2_20230503T234551_20230503T234720_C001  CS_OFFL_SIR_NOPN_2_20230503T235033_20230503T235215_C001  Almeter Range and Backscatter Quality PLRM, COCG Almeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_NOPR_2_20230503T001114_20230503T001231_C001  CS_OFFL_SIR_NOPR_2_20230503T002522_20230503T000300_C001  CS_OFFL_SIR_NOPR_2_20230503T002522_20230503T000300_C001  CS_OFFL_SIR_NOPR_2_20230503T01240_20230503T012710_C001  CS_OFFL_SIR_NOPR_2_20230503T01340_20230503T012710_C001  CS_OFFL_SIR_NOPR_2_20230503T01340_20230503T013533_C001  CS_OFFL_SIR_NOPR_2_20230503T01315_20230503T013533_C001  CS_OFFL_SIR_NOPR_2_20230503T013615_20230503T013750_C001  CS_OFFL_SIR_NOPR_2_20230503T013942_20230503T013750_C001  CS_OFFL_SIR_NOPR_2_20230503T013942_20230503T012406_C001  CS_OFFL_SIR_NOPR_2_20230503T013948_20230503T012406_C001  CCOGA Altimeter Range Quality PLRM, COCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCOGA Altimeter Range Coulity PLRM, COCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCOGA Altimeter Range Quality PLRM, COCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCOGA Altimeter Range Quality PLRM, COCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCOGA Altimeter Range Altimeter Range Cuality PLRM, COCGA Altimeter Range Backscatter Quality Flags have been set for one or more records  CCOGA Altimeter Range Altimeter Range Cuality PLRM, COCGA Altimeter Range Backscatter Quality Flags have been set for one or more records  CCOGA Altimeter Range Backscatter Quality Flags have been set for one or more records  CCOGA Altimeter Range Backscatter Quality Flags have been set for one or more records  CCOGA Altimeter Range CALITY Flags have been set for one or more records  CCOGA Altimeter Range CALITY	CS_OFFL_SIR_NOPN_2_20230503T233952_20230503T234117_C001	and Backscatter Quality PLRM, 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_2023050370352515_C001  CS_OFFL_SIR_NOPN_2_202305037235033_202305037235215_C001  CS_OFFL_SIR_NOPN_2_202305037031114_202305037001231_C001  CS_OFFL_SIR_NOPR_2_202305037001114_202305037001231_C001  CS_OFFL_SIR_NOPR_2_202305037001234_C00303030_C001  CS_OFFL_SIR_NOPR_2_202305037002622_202305037003030_C001  CS_OFFL_SIR_NOPR_2_202305037002622_202305037003030_C001  CS_OFFL_SIR_NOPR_2_202305037002622_202305037003030_C001  CS_OFFL_SIR_NOPR_2_202305037012340_202305037012710_C001  CS_OFFL_SIR_NOPR_2_202305037013115_20230503701270_C001  CS_OFFL_SIR_NOPR_2_202305037013115_202305037013533_C001  CS_OFFL_SIR_NOPR_2_202305037013115_202305037013533_C001  CS_OFFL_SIR_NOPR_2_202305037013115_202305037013533_C001  CS_OFFL_SIR_NOPR_2_202305037013115_202305037013533_C001  CS_OFFL_SIR_NOPR_2_202305037013615_202305037013530_C001  CS_OFFL_SIR_NOPR_2_202305037013615_20230503701350_C001  CS_OFFL_SIR_NOPR_2_202305037013615_202305037013750_C001  CS_OFFL_SIR_NOPR_2_202305037014933_202305037015422_C001  CS_OFFL_SIR_NOPR_2_202305037014933_202305037015422_C001  CS_OFFL_SIR_NOPR_2_20230503702948_202305037024306_C001  CS_OFFL_SIR_NOPR_2_20230503702948_202305037024512_C001  CS_OFFL_SIR_NOPR_2_202305037024412_202305037024512_C001  CS_OFFL_SIR_NOPR_2_202305037024412_202305037024512_C001  CS_OFFL_SIR_NOPR_2_202305037024412_202305037024512_C001  CS_OFFL_SIR_NOPR_2_202305037024412_202305037024512_C001  CCG_Altimeter Range Quality PLRM, C0COB Range and Backscatter Quality Flags have been set for one more records  CCG_OFFL_SIR_NOPR_2_202305037024412_202305037024512_C001  CCG_Altimeter Range Quality PLRM, C0COB Range and Backscatter Quality Flags have been set for one more records  CCG_OFFL_SIR_NOPR_2_202305037024412_202305037024512_C001  CCG_Altimeter Range Quality PLRM, C0COB Range and Backscatter Quality Flags have been set for one more records  CCG_Altimeter Range Quality PLRM, C0COB Range and Backscatter Quality Flags have been set for one more records  CCG_Altimeter Range Quality PLRM, C0COB Range and Backscatter Quality Flags have b	CS_OFFL_SIR_NOPN_2_20230503T234123_20230503T234357_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
and Backscatter Quality PLRM, COGA Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_NOPR_2_20230503T001114_20230503T001231_C001  CS_OFFL_SIR_NOPR_2_20230503T0012622_20230503T003030_C001  CS_OFFL_SIR_NOPR_2_20230503T002622_20230503T003030_C001  CS_OFFL_SIR_NOPR_2_20230503T002622_20230503T003030_C001  CS_OFFL_SIR_NOPR_2_20230503T012340_20230503T012710_C001  CS_OFFL_SIR_NOPR_2_20230503T012340_20230503T012710_C001  CS_OFFL_SIR_NOPR_2_20230503T013115_20230503T013533_C001  CS_OFFL_SIR_NOPR_2_20230503T013115_20230503T013533_C001  CS_OFFL_SIR_NOPR_2_20230503T013015_20230503T013533_C001  CS_OFFL_SIR_NOPR_2_20230503T013015_20230503T015422_C001  CS_OFFL_SIR_NOPR_2_20230503T014933_20230503T015422_C001  CS_OFFL_SIR_NOPR_2_20230503T014933_20230503T015422_C001  CS_OFFL_SIR_NOPR_2_20230503T014933_20230503T012400_C001  CS_OFFL_SIR_NOPR_2_20230503T012344_20230503T024406_C001  CS_OFFL_SIR_NOPR_2_20230503T012348_20230503T024406_C001  CS_OFFL_SIR_NOPR_2_20230503T012348_20230503T024406_C001  CS_OFFL_SIR_NOPR_2_20230503T012348_20230503T024406_C001  CS_OFFL_SIR_NOPR_2_20230503T02348_20230503T024512_C001  CS_OFFL_SIR_NOPR_2_20230503T02348_20230503T024512_C001  CS_OFFL_SIR_NOPR_2_20230503T030006_20230503T024512_C001  CS_OFFL_SIR_NOPR_2_20230503T030006_	CS_OFFL_SIR_NOPN_2_20230503T234551_20230503T234720_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPR_2_20230503T002622_20230503T003030_C001  CS_OFFL_SIR_NOPR_2_20230503T002622_20230503T003030_C001  CS_OFFL_SIR_NOPR_2_20230503T012340_20230503T012710_C001  CS_OFFL_SIR_NOPR_2_20230503T012340_20230503T012710_C001  CS_OFFL_SIR_NOPR_2_20230503T013115_20230503T013533_C001  CS_OFFL_SIR_NOPR_2_20230503T013115_20230503T013533_C001  CS_OFFL_SIR_NOPR_2_20230503T013115_20230503T013533_C001  CS_OFFL_SIR_NOPR_2_20230503T013615_20230503T013750_C001  CS_OFFL_SIR_NOPR_2_20230503T014933_20230503T015422_C001  CS_OFFL_SIR_NOPR_2_20230503T014933_20230503T015422_C001  CS_OFFL_SIR_NOPR_2_20230503T024412_20230503T024512_C001  CS_OFFL_SIR_NOPR_2_20230503T024412_20230503T030629_C001  CS_OFFL_SIR_NOPR_2_20230503T030006_20230503T030629_C001  CCG_Altimeter Range Quality PLRM, COCG_Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCG_Altimeter Range Quality PLRM, COCG_Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCG_Altimeter Range Quality PLRM, COCG_Altimeter Range and Backscatter Quality PLRM, COCG_Altimeter Range Altimeter Range Cuality PLRM, COCG_Altimeter Range Altimeter Range Cuality PLRM, COCG_Altimeter Range Altimeter Range Cuality PLRM, COCG_Altimeter Range	CS_OFFL_SIR_NOPN_2_20230503T235033_20230503T235215_C001	and Backscatter Quality PLRM, 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
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM and Backscatter Quality PLRM and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Backscatte	CS_OFFL_SIR_NOPR_2_20230503T001114_20230503T001231_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPR_2_20230503T012340_20230503T012710_C001  Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_NOPR_2_20230503T013115_20230503T013533_C001  CS_OFFL_SIR_NOPR_2_20230503T013615_20230503T013533_C001  CS_OFFL_SIR_NOPR_2_20230503T013615_20230503T013750_C001  CS_OFFL_SIR_NOPR_2_20230503T013615_20230503T013750_C001  CS_OFFL_SIR_NOPR_2_20230503T014933_20230503T015422_C001  CS_OFFL_SIR_NOPR_2_20230503T014933_20230503T015422_C001  CS_OFFL_SIR_NOPR_2_20230503T014933_20230503T015422_C001  CS_OFFL_SIR_NOPR_2_20230503T023948_20230503T024306_C001  CS_OFFL_SIR_NOPR_2_20230503T023948_20230503T024306_C001  CS_OFFL_SIR_NOPR_2_20230503T023948_20230503T024512_C001  CS_OFFL_SIR_NOPR_2_20230503T024412_20230503T024512_C001  CS_OFFL_SIR_NOPR_2_20230503T024412_20230503T024512_C001  CS_OFFL_SIR_NOPR_2_20230503T024412_20230503T024512_C001  CS_OFFL_SIR_NOPR_2_20230503T030006_20230503T030629_C001  Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_NOPR_2_20230503T030006_20230503T030629_C001  Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_NOPR_2_20230503T030006_20230503T030629_C001  CS_OFFL_SIR_NOPR_2_20230503T030006_20230503T030629_C001  Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_NOPR_2_20230503T030006_20230503T030629_C001  CS_OFFL_SIR_NOPR_2_20230503T030006_20230503T030629_C001  CS_OFFL_SIR_NOPR_2_20230503T030006_20230503T030629_C001	CS_OFFL_SIR_NOPR_2_20230503T002622_20230503T003030_C001	and Backscatter Quality PLRM, 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
and Backscatter Quality PLRM, COG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_NOPR_2_20230503T023948_20230503T024512_C001  OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_NOPR_2_20230503T012340_20230503T012710_C001	and Backscatter Quality PLRM, 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_20230503T014933_20230503T015422_C001  CS_OFFL_SIR_NOPR_2_20230503T014933_20230503T015422_C001  CS_OFFL_SIR_NOPR_2_20230503T023948_20230503T024306_C001  CS_OFFL_SIR_NOPR_2_20230503T023948_20230503T024512_C001  CS_OFFL_SIR_NOPR_2_20230503T024412_20230503T024512_C001  CS_OFFL_SIR_NOPR_2_20230503T024412_20230503T024512_C001  CS_OFFL_SIR_NOPR_2_20230503T030006_20230503T0300629_C001  COG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_NOPR_2_20230503T030006_20230503T0300629_C001	CS_OFFL_SIR_NOPR_2_20230503T013115_20230503T013533_C001	and Backscatter Quality PLRM, 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_20230503T023948_20230503T024306_C001  CS_OFFL_SIR_NOPR_2_20230503T023948_20230503T024306_C001  CS_OFFL_SIR_NOPR_2_20230503T024412_20230503T024512_C001  CS_OFFL_SIR_NOPR_2_20230503T024412_20230503T024512_C001  CS_OFFL_SIR_NOPR_2_20230503T030006_20230503T0300629_C001  CS_OFFL_SIR_NOPR_2_20230503T030006_20230503T0300629_C001  OCOG Backscatter Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality  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  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_NOPR_2_20230503T013615_20230503T013750_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM  CS_OFFL_SIR_NOPR_2_20230503T024412_20230503T024512_C001  CS_OFFL_SIR_NOPR_2_20230503T030006_20230503T0300629_C001  and Backscatter Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality  The OCOG Altimeter Range and Backscatter Quality Flags have been set for 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, 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  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 set for one or more records	CS_OFFL_SIR_NOPR_2_20230503T014933_20230503T015422_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
OCOG Backscatter Quality  OCean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Fla	CS_OFFL_SIR_NOPR_2_20230503T023948_20230503T024306_C001	and Backscatter Quality PLRM, 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
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been altimeter Range and Backscatter Quality Flags have	CS_OFFL_SIR_NOPR_2_20230503T024412_20230503T024512_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
	CS_OFFL_SIR_NOPR_2_20230503T030006_20230503T030629_C001	and Backscatter Quality PLRM, 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_20230503T031219_20230503T031430_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_20230503T043745_20230503T044004_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_20230503T044221_20230503T044637_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_20230503T052702_20230503T052847_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_20230503T061549_20230503T061805_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_20230503T062119_20230503T062434_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_20230503T062519_20230503T062838_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_20230503T070614_20230503T070852_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_20230503T075228_20230503T075553_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_20230503T075939_20230503T080735_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_20230503T080916_20230503T081023_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_20230503T093639_20230503T093802_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_20230503T094013_20230503T094730_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_20230503T101122_20230503T101231_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_20230503T111925_20230503T112641_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_20230503T112901_20230503T113100_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_20230503T123407_20230503T123620_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_20230503T124825_20230503T125056_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_20230503T125501_20230503T125615_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_20230503T125840_20230503T130403_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_20230503T140155_20230503T140209_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_20230503T141114_20230503T141338_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_20230503T141353_20230503T141535_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_20230503T142957_20230503T143210_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_20230503T143722_20230503T143806_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_20230503T143818_20230503T144311_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_20230503T145839_20230503T150007_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_20230503T161545_20230503T161623_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_20230503T161653_20230503T162431_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_20230503T175238_20230503T175952_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_20230503T185207_20230503T185405_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_20230503T194046_20230503T194140_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_20230503T194533_20230503T194606_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_20230503T200920_20230503T201155_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_20230503T202012_20230503T202059_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_20230503T203050_20230503T203331_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_20230503T210755_20230503T211001_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_20230503T221020_20230503T221256_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_20230503T224006_20230503T224139_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_20230503T224733_20230503T224750_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_20230503T224807_20230503T224812_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_20230503T225010_20230503T225133_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_20230503T231003_20230503T231020_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_20230503T233423_20230503T233952_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_20230503T235215_20230503T235243_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 & 1 Hz PLRM)

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

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

Number of products with errors: 200

## 5.7 L2 Ocean Retracking Quality Check

#### L2 Retracking Flags (20 Hz)

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. 65

Number of products with errors:

#### L2 Retracking Flags (20 Hz 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:

148

## 7. NOP QCC Report Analysis

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_NOPM1B	171	171	5	166	0
SIR_NOPR1B	139	139	0	139	0
SIR_NOPN1B	111	111	0	111	0
SIR_NOPM_2	171	171	118	53	0
SIR_NOPR_2	139	139	61	77	1
SIR NOPN 2	111	111	45	66	0

## 7.1 QCC Errors

Number of QCC reports with errors:

6

Total number of occurrences of each error

<b>Product Type</b>	RLOBOPNCDF	RL	RL	RLOBOPNCDF	RL	RL	-	-	-	-	-
SIR_NOPR_2	1	1	1	1	1	1					

Test 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

## 7.2 QCC Warnings

Number of QCC reports with warnings

1801

Total number of occurrences of each warning

Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNC
SIR_NOPM1B	166	0	0	0	0	0	0
SIR_NOPM_2	0	0	42	41	0	43	0
SIR_NOPN1B	109	0	0	0	0	0	0
SIR_NOPN_2	0	0	10	35	4	24	28
SIR_NOPR1B	138	0	0	0	0	0	0
SIR NOPR 2	0	1	33	42	1	29	26

ſ	Product Type	RBSZOPOEPNCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNCI	RPEPOPEDPLRMSINNCD	RPEPOPEDSARNODE	RPEPOPFDSINNCDF	RPEPOPLRMNCDF
ŀ	oudot . , po		-	-	-	-	_	-
	SIR_NOPM1B	0	0	0	0	0	0	0
	SIR_NOPM_2	34	33	0	0	0	0	25
	SIR_NOPN1B	0	0	0	0	0	0	0
	SIR_NOPN_2	22	0	0	20	0	33	0
	SIR_NOPR1B	0	0	0	0	0	0	0
	SIR NOPR 2	14	0	40	0	49	0	0

Product Type	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF	RSWHOEPFDNCDF
SIR_NOPM1B	0	0	0	0	0	0	0
SIR_NOPM_2	0	0	6	32	0	3	35
SIR_NOPN1B	0	0	0	0	0	0	0
SIR_NOPN_2	0	26	20	46	56	35	29
SIR_NOPR1B	0	0	0	0	0	0	0
SIR_NOPR_2	40	0	1	65	30	7	35

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	Product Type	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHRTASCNSNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF	•
	SIR_NOPM1B	0	0	0	0	0	0	
	SIR_NOPM_2	0	0	0	0	0	0	
	SIR_NOPN1B	0	0	0	0	53	1	
	SIR_NOPN_2	26	11	0	1	0	0	
	SIR_NOPR1B	0	0	1	0	139	10	
	SIR NOPR 2	48	1	0	2	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		
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 F	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 DF	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		The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node_Start_v2_NetCDF	Rel_Time_ASC_Node_Start mismatch (DBL ASC, rounded up to 0.1)
SOOHHIFHD	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample
SCSTODHRNCDF	SequenceCounterStepTODHRNetCDF	The sequence counter should be modulo 4 higher with regard to the previous sequence counter
SCSTODNCDF	SequenceCounterStepTODNetCDF	The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter

# 7.3 Missing QCC Reports

Number of products with missing QCC reports:

0