

## 1. Overview

Report Production:	10-Mar-2023	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data	

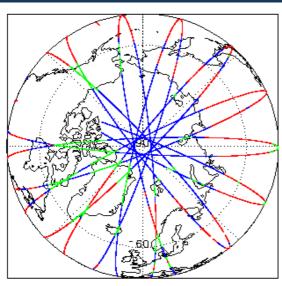
### We would love to hear from you!

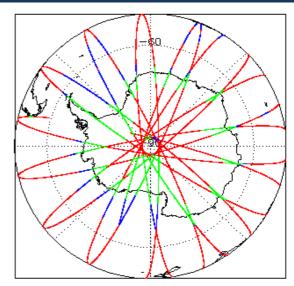
Please let us know your feedback about these daily quality reports: What do you like/ dislike? What quality information do you need? Send your feedback to cs2\_qc\_team@telespazio.com

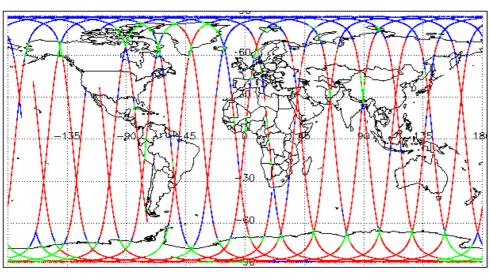
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary Correction Error Check	See Section 5.4	See Section 6.4
Measurement Confidence Data Check	See Section 4.5, 4.6	Nominal
Range, SWH & Backscatter Measurement Check	See Section 5.6	See Section 6.6
Ocean Retracking Quality Check	See Section 5.7	See Section 6.7
QCC Error/ Warning Check	See Section 7.2	See Section 7.2 and 7.3

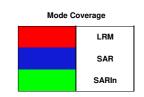
Mission / Instr	Mission / Instrument News		
09-Feb-2023	None		
10-Feb-2023	None		
11-Feb-2023	Nothing planned		

# 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

## 4. GOP Level 1B Data Quality Check

### 4.1 L1B 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).

#### 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 GOPR and GOPN 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.

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:

0

### 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 GOPR products due to a configuration issue. This is being investigated and will be updated in the next SW update.

Number of products with errors:

0

### 4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

13

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20230210T040232_20230210T041014_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20230210T001522_20230210T001833_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20230210T010646_20230210T010738_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20230210T042412_20230210T042533_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20230210T042838_20230210T043105_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20230210T110637_20230210T110815_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20230210T141330_20230210T141635_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20230210T200839_20230210T201038_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20230210T011702_20230210T011849_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20230210T044634_20230210T044847_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20230210T091611_20230210T091735_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20230210T105131_20230210T105324_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20230210T160523_20230210T160913_C001	Loss of Echo	The tracking echo is missing for one or more records

## 5. GOP 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:

0

## 5.2 L2 Product Header Analysis

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

Number of products with errors:

0

## 5.3 L2 Auxiliary Data File Usage Check

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

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 that are expected, due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues that 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. The affected products are not reported in the table below.
- > Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over 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:

51

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20230210T104552_20230210T104558_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPM_2_20230210T210119_20230210T210158_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records

CS_OFFL_SIR_GOPN_2_20230210T000832_20230210T000958_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20230210T001522_20230210T001833_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_GOPN_2_20230210T014813_20230210T014927_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20230210T015422_20230210T015747_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_GOPN_2_20230210T032859_20230210T033135_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_GOPN_2_20230210T033712_20230210T033954_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20230210T042412_20230210T042533_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_GOPN_2_20230210T050420_20230210T051026_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_GOPN_2_20230210T060334_20230210T060549_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_GOPN_2_20230210T064629_20230210T064818_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20230210T065646_20230210T065835_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20230210T074248_20230210T074740_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_GOPN_2_20230210T100717_20230210T100931_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 height (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT and solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20230210T114523_20230210T114839_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_GOPN_2_20230210T132411_20230210T132730_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_GOPN_2_20230210T133256_20230210T133420_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20230210T141330_20230210T141635_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_GOPN_2_20230210T151108_20230210T151143_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_GOPN_2_20230210T151143_20230210T151245_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_GOPN_2_20230210T155436_20230210T155535_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_GOPN_2_20230210T164847_20230210T165057_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_GOPN_2_20230210T173235_20230210T173450_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_GOPN_2_20230210T181906_20230210T182052_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20230210T190917_20230210T191315_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20230210T200839_20230210T201038_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20230210T005512_20230210T010516_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_GOPR_2_20230210T010516_20230210T010646_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_GOPR_2_20230210T023742_20230210T024414_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_GOPR_2_20230210T024414_20230210T024950_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_GOPR_2_20230210T041657_20230210T042302_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_GOPR_2_20230210T042302_20230210T042412_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_GOPR_2_20230210T044634_20230210T044847_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_GOPR_2_20230210T055913_20230210T060050_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_GOPR_2_20230210T060050_20230210T060334_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_GOPR_2_20230210T061252_20230210T061408_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20230210T073629_20230210T074248_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the GPD Wet Tropospheric correction, the MSS height (solution 1) and tidal corrections for one or more records
CS_OFFL_SIR_GOPR_2_20230210T091801_20230210T092311_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_GOPR_2_20230210T104558_20230210T104800_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20230210T105131_20230210T105324_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20230210T105702_20230210T110505_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_GOPR_2_20230210T123532_20230210T124422_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_GOPR_2_20230210T141635_20230210T142327_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_GOPR_2_20230210T155535_20230210T160118_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_GOPR_2_20230210T173450_20230210T173746_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_GOPR_2_20230210T173746_20230210T174135_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_GOPR_2_20230210T191315_20230210T191838_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_GOPR_2_20230210T205138_20230210T210119_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_GOPR_2_20230210T222941_20230210T223633_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_GOPR_2_20230210T224710_20230210T224753_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (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:

## 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_GOPM_2_20230210T000102_20230210T000307_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_GOPM_2_20230210T000959_20230210T001522_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_GOPM_2_20230210T004616_20230210T005512_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_GOPM_2_20230210T010804_20230210T011124_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_GOPM_2_20230210T012732_20230210T013346_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_GOPM_2_20230210T013410_20230210T014718_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_GOPM_2_20230210T014927_20230210T015421_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_GOPM_2_20230210T015957_20230210T023258_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 GOPM 2 20230210T025528 20230210T025743 C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
	Altimeter Range and Backscatter Quality	set for one or more records
CS_OFFL_SIR_GOPM_2_20230210T025904_20230210T032201_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_GOPM_2_20230210T033135_20230210T033327_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_GOPM_2_20230210T034005_20230210T034631_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_GOPM_2_20230210T034637_20230210T034723_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_GOPM_2_20230210T034725_20230210T035618_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_GOPM_2_20230210T035622_20230210T035751_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_GOPM_2_20230210T040232_20230210T041014_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_GOPM_2_20230210T043105_20230210T044633_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_GOPM_2_20230210T044847_20230210T050341_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_GOPM_2_20230210T051027_20230210T051241_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_GOPM_2_20230210T051322_20230210T051741_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_GOPM_2_20230210T051918_20230210T053420_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_GOPM_2_20230210T053600_20230210T054725_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_GOPM_2_20230210T061408_20230210T062458_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_GOPM_2_20230210T063025_20230210T064545_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_GOPM_2_20230210T064818_20230210T065646_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_GOPM_2_20230210T065857_20230210T072150_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_GOPM_2_20230210T075740_20230210T082502_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_GOPM_2_20230210T083010_20230210T083458_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_GOPM_2_20230210T083737_20230210T084029_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_GOPM_2_20230210T084144_20230210T090401_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_GOPM_2_20230210T093637_20230210T100411_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_GOPM_2_20230210T100931_20230210T101527_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_GOPM_2_20230210T101656_20230210T103706_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_GOPM_2_20230210T103709_20230210T104019_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

COUNT_SEL_COMMEXECUTION 1.00 (2.00 m) Color of American Program (1.00 m) Color of Am	CS_OFFL_SIR_GOPM_2_20230210T105324_20230210T105513_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
Secretaria Coulty Secretaria C	CS_OFFL_SIR_GOPM_2_20230210T110815_20230210T114245_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFF_SR_GOM_2_2000010110018_0001110018_C001  CR_OFF_SR_GOM_2_2000010110018_000110018_C001  CR_OFF_SR_GOM_2_2000010110018_000110018_C001  CR_OFF_SR_GOM_2_2000010110018_000110018_C001  CR_OFF_SR_GOM_2_2000010110018_000110018_C001  CR_OFF_SR_GOM_2_2000010110018_000110018_C001  CR_OFF_SR_GOM_2_2000010110018_000110018_C001  CR_OFF_SR_GOM_2_2000010110018_000110018_C001  CR_OFF_SR_GOM_2_2000010110018_00010110000_C001  CR_OFF_SR_GOM_2_2000010110018_00010018_C001  CR_OFF_SR_GOM_2_2000010110018_00010110000_C001  CR_OFF_SR_GOM_2_2000010110018_00010110000_C001  CR_OFF_SR_GOM_2_2000010110018_000101100000_C001  CR_OFF_SR_GOM_2_2000010110018_00010000000000000000000	CS_OFFL_SIR_GOPM_2_20230210T114839_20230210T115359_C001		
Des CoPPL SR COPPL 2 202020101123143 20202101123152 C001  Come Affirmet Finance and Subsection Country (Tibus Finance See Description Country)  Col OFFL SR COPPL 2 202020101123163 2020210112352 C001  Come Affirmet Finance SR AR Givent and Subsection Country (Tibus Finance See Affirmet Finance SR AR Givent and Subsection Country)  Col OFFL SR COPPL 2 202020101123012 2020210112302 C001  Come Affirmet Finance SR AR Givent and Subsection Country (Tibus Finance See Affirmet Finance SR AR Givent and Subsection Country)  Col OFFL SR COPPL 2 202020101123012 2020210112302 C001  Come Affirmet Finance SR AR Givent and Subsection Country Finance See Affirmets Finance SR AR Givent and Subsection Country Finance See Affirmets Finance SR AR Givent and Subsection Country Finance See Affirmets Finance SR AR Givent And Subsection Country Finance SR AR Givent And S	CS_OFFL_SIR_GOPM_2_20230210T115538_20230210T115916_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Set DEFL. SIR. GOPM. 2. 2022/2011 129882 (2022/1011 129882) (2022/1011	CS_OFFL_SIR_GOPM_2_20230210T120036_20230210T120158_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
GB_OFFL_SIR_GOPML_2_20232010T129481_20232010T159443_2000  GB_OFFL_SIR_GOPML_2_20232010T129481_20232010T159443_2000  GB_OFFL_SIR_GOPML_2_20232010T129482_20232010T159443_2000  GC_OFFL_SIR_GOPML_2_20232010T129482_20232010T159443_2000  GC_OFFL_SIR_GOPML_2_20232010T129482_20232010T159463_2000  GC_OFFL_SIR_GOPML_2_20232010T129482_20232010T159462_2000  GC_OFFL_SIR_GOPML_2_20232010T139482_20232010T159463_2000  GC_OFFL_SIR_GOPML_2_20232010T139484_20232010T159464_2000  GC_OFFL_SIR_GOPML_2_20232010T139484_20232010T159464_2000  GC_OFFL_SIR_GOPML_2_20232010T159482_20232010T159464_2000  GC_OFFL_SIR_GOPML_2_20232010T159484_20232010T159464_2000  GC_OFFL_SIR_GOPML_2_20232010T159484_20232010T159464_2000  GC_OFFL_SIR_GOPML_2_20232010T159484_20232010T159464_2000  GC_OFFL_SIR_GOPML_2_20232010T159484_20232010T159464_2000  GC_OFFL_SIR_GOPML_2_20232010T159484_20232010T159464_2000  GC_OFFL_SIR_GOPML_2_20232010T159484_20232010T159464_2000  GC_OFFL_SIR_GOPML_2_20232010T159484_20232010T159464_2000  GC_OFFL_SIR_GOPML_2_20232010T159484_20232010T159464_2000  GC_OFFL_SIR_GOPML_2_20232010T159484_2000  GC_OFFL_SIR_GOPML_	CS_OFFL_SIR_GOPM_2_20230210T123143_20230210T123425_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_COPM_2_20020216T13642 20020210T13655 C001  CS_OFFL_SIR_COPM_2_20020216T13649 20020210T13649 C0020  CS_OFFL_SIR_COPM_2_20020216T13649 20020210T13649 C0020  CS_OFFL_SIR_COPM_2_20020216T13649 20020210T13649 C0020  CS_OFFL_SIR_COPM_2_20020216T13649 20020210T15604 C001  CS_OFFL_SIR_COPM_2_20020216T13649 20020210T15604 C001  CS_OFFL_SIR_COPM_2_20020216T15606 20020210T15604 C001  CS_OFFL_	CS_OFFL_SIR_GOPM_2_20230210T123506_20230210T123532_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Bandscotter Caulity, COCG Afferencer Range and Bandscotter Quality Flags have been Afference Range and Bandscotter Quality Flags have been Self Coccess Afferencer Range and Bandscotter Quality Flags have been self or one or more records.  CS_OFFL_SIR_GOPM_2_20202101132849_20202101132855_C001  CS_OFFL_SIR_GOPM_2_20202101132841_202022101132855_C001  CS_OFFL_SIR_GOPM_2_20202101132841_202022101132855_C001  CS_OFFL_SIR_GOPM_2_20202101132842_202022101132855_C001  CS_OFFL_SIR_GOPM_2_202022101132842_202022101132855_C001  CS_OFFL_SIR_GOPM_2_202022101132855_C001  CS_OFFL_SIR_GOPM_2_202022101132855_C001  CS_OFFL_SIR_GOPM_2_202022101132855_C001  CS_OFFL_SIR_GOPM_2_202022101132855_C001  CS_OFFL_SIR_GOPM_2_202022101132855_C001  CS_OFFL_SIR_GOPM_2_202022101132855_C002  CS_OFFL_SIR_GOPM_2_202022101132855_C001  CS_OFFL_SIR_GOPM_2_202022101132855_C002  CS_OFFL_SIR_GOPM_2_202022101132855_C002  CS_OFFL_SIR_GOPM_2_202022101132855_C002  CS_OFFL_SIR_GOPM_2_202022101132855_C002  CS_OFFL_SIR_GOPM_2_202022101132856_C002  CS_OFF	CS_OFFL_SIR_GOPM_2_20230210T124811_20230210T125643_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Caulity  CS_OFFL_SIR_OOPM_2_20230210T134342_20230210T134555_0001  CS_OFFL_SIR_OOPM_2_20230210T134349_20230210T13555_0001  CS_OFFL_SIR_OOPM_2_20230210T134349_20230210T13555_0001  CS_OFFL_SIR_OOPM_2_20230210T13659_200230210T140224_0001  CS_OFFL_SIR_OOPM_2_20230210T13659_200230210T140224_0001  CS_OFFL_SIR_OOPM_2_20230210T13659_200230210T140224_0001  CS_OFFL_SIR_OOPM_2_20230210T13659_200230210T140224_0001  CS_OFFL_SIR_OOPM_2_20230210T13659_200230210T140224_0001  CS_OFFL_SIR_OOPM_2_20230210T13659_200230210T140224_0001  CS_OFFL_SIR_OOPM_2_20230210T13659_200230210T140224_0001  CS_OFFL_SIR_OOPM_2_20230210T13659_200230210T140224_0001  CS_OFFL_SIR_OOPM_2_20230210T13659_200230210T150741_0001  CS_OFFL_SIR_OOPM_2_20230210T150307_200230210T150741_0001  CS_OFFL_SIR_OOPM_2_20230210T150307_200230210T150741_0001  CS_OFFL_SIR_OOPM_2_20230210T150307_200230210T150741_0001  CS_OFFL_SIR_OOPM_2_20230210T150307_200230210T150741_0001  CS_OFFL_SIR_OOPM_2_20230210T150307_200230210T150741_0001  CS_OFFL_SIR_OOPM_2_20230210T150307_200230210T150741_0001  CS_OFFL_SIR_OOPM_2_20230210T150307_200230210T150741_0001  CS_OFFL_SIR_OOPM_2_20230210T150342_200230210T150741_0001  CS_OFFL_SIR_OOPM_2_20230210T150342_200230210T150741_0001  CS_OFFL_SIR_OOPM_2_20230210T150342_200230210T150741_0001  CS_OFFL_SIR_OOPM_2_20230210T150342_200230210T150741_0001  CS_OFFL_SIR_OOPM_2_20230210T15042_200230210T150741_0001  CS_OFFL_SIR_OOPM_2_20230210T15042_200230210T150741_0001  CS_OFFL_SIR_OOPM_2_20230210T15042_200230210T150741_0001  CS_OFFL_SIR_OOPM_2_20230210T150741_20001  CS_OFFL_SIR_OOPM_2_20230210T150741_2000100150302_20030210T1507400_0001  CS_OFFL_SIR_OOPM_2_20230210T1507401_20001	CS_OFFL_SIR_GOPM_2_20230210T125928_20230210T132211_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Ouality COG Allmeter Range and Backscatter Ouality Flags have been after a Cognomial Cogno	CS_OFFL_SIR_GOPM_2_20230210T132849_20230210T133255_C001		
and the COCG Allmeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_GOPM_2_20230210T142657_20230210T150034_C001  CS_OFFL_SIR_GOPM_2_20230210T150237_20230210T150034_C001  CS_OFFL_SIR_GOPM_2_20230210T150237_20230210T150034_C001  CS_OFFL_SIR_GOPM_2_20230210T150237_20230210T150034_C001  CS_OFFL_SIR_GOPM_2_20230210T150237_20230210T150034_C001  CS_OFFL_SIR_GOPM_2_20230210T150237_20230210T150034_C001  CS_OFFL_SIR_GOPM_2_20230210T150207_20230210T150034_C001  CS_OFFL_SIR_GOPM_2_20230210T150207_20230210T150034_C001  CS_OFFL_SIR_GOPM_2_20230210T150002_20230210T15004_C001  CS_OFFL_SIR_GOPM_2_20230210T150002_20230210T15004_C001  CS_OFFL_SIR_GOPM_2_20230210T150002_20230210T150002_200000000000000000000000000000000	CS_OFFL_SIR_GOPM_2_20230210T133421_20230210T134802_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, COCO Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_GOPM_2_20230210T142657_20230210T150034_CO01  CS_OFFL_SIR_GOPM_2_20230210T142657_20230210T150034_CO01  CS_OFFL_SIR_GOPM_2_20230210T150337_20230210T150034_CO01  CS_OFFL_SIR_GOPM_2_20230210T150337_20230210T150034_CO01  CS_OFFL_SIR_GOPM_2_20230210T150337_20230210T150741_CO01  CS_OFFL_SIR_GOPM_2_20230210T150302_20230210T150741_CO01  CS_OFFL_SIR_GOPM_2_20230210T150302_20230210T1510000  CS_OFFL_SIR_GOPM_2_20230210T150302_20230210T151547_CO01  CS_OFFL_SIR_GOPM_2_20230210T150302_20230210T151547_CO01  CS_OFFL_SIR_GOPM_2_20230210T151342_20230210T151547_CO01  CS_OFFL_SIR_GOPM_2_20230210T151342_20230210T151547_CO01  CS_OFFL_SIR_GOPM_2_20230210T151342_20230210T151547_CO01  CS_OFFL_SIR_GOPM_2_20230210T151342_20230210T15530_CO01  CS_OFFL_SIR_GOPM_2_20230210T151342_20230210T15530_CO01  CS_OFFL_SIR_GOPM_2_20230210T151342_20230210T15530_CO01  CS_OFFL_SIR_GOPM_2_20230210T155144_20230210T15530_CO01  CS_OFFL_SIR_GOPM_2_20230210T155144_20230210T15530_CO01  CS_OFFL_SIR_GOPM_2_20230210T155144_20230210T15530_CO01  CS_OFFL_SIR_GOPM_2_20230210T1551342_20230210T15530_CO01  CS_OFFL_SIR_GOPM_2_20230210T1551342_20230210T15530_CO01  CS_OFFL_SIR_GOPM_2_20230210T1551342_20230210T15530_CO01  CS_OFFL_SIR_GOPM_2_20230210T15000_20230210T15530_CO01  CS_OFFL_SIR_GOPM_2_20230210T16000_20230210T15330_CO01  CS_OFFL_SIR_GOPM_2_20230210T16000_20230210T15330_CO01  CS_OFFL_SIR_GOPM_2_20230210T16000_20230210T16000_CO000000000000000000000000000000000	CS_OFFL_SIR_GOPM_2_20230210T134949_20230210T135555_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOS Altimeter Range and Backscatter Quality Flags have been set to rone or more records  CS_OFFL_SIR_GOPM_2_20230210T150237_20230210T150741_C001  CS_OFFL_SIR_GOPM_2_20230210T150802_20230210T15170_C001  CS_OFFL_SIR_GOPM_2_20230210T150802_20230210T15170_C001  CS_OFFL_SIR_GOPM_2_20230210T151802_20230210T15170_C001  CS_OFFL_SIR_GOPM_2_20230210T1518143_20230210T15170_C001  CS_OFFL_SIR_GOPM_2_20230210T1518144_20230210T15174_C001  CS_OFFL_SIR_GOPM_2_20230210T1518144_20230210T15174_C001  CS_OFFL_SIR_GOPM_2_20230210T1518144_20230210T15174_C001  CS_OFFL_SIR_GOPM_2_20230210T151814_20230210T1574_C001  CS_OFFL_SIR_GOPM_2_20230210T151814_20230210T1574_C001  CS_OFFL_SIR_GOPM_2_20230210T1574_2001  CS_OFFL_SIR_GOPM_2_20230210T15744_2001  CS_OFFL_SIR_GOPM_2_20230210T15744_2001  CS_OFFL_SIR_GOPM_2_20230210T1574_2001  CS_OFFL_SIR_GOPM_2_20230210T1574_2001  CS_OFFL_SIR_GOPM_2_20230210T1574_2001  CS_OFFL_SIR_GOPM_2_20230210T1574_2001  CS_OFFL_SIR_GOPM_2_20230210T1574_2001  CS_OFFL_SIR_GOPM_2_20230210T157503_2001  CS_OFFL_SIR_GOPM_2_20230210T157503_2001  CS_OFFL_SIR_GOPM_2_20230210T157503_2001  CS_OFFL_SIR_GOPM_2_20230210T157503_2001  CS_OFFL_SIR_GOPM_2_20230210T160913_20230210T167826_C001  CS_OFFL_SIR_GOPM_2_20230210T160913_20230210T167826_C001  CS_OFFL_SIR_GOPM_2_20230210T160913_20230210T167826_C001  CS_OFFL_SIR_GOPM_2_20230210T164743_20230210T164840_C001  CS_OFFL_SIR_GOPM_2_20230210T164743_20230210T164840_C001  CS_OFFL_SIR_GOPM_2_20230210T164743_20230210T164840_C001  CS_OFFL_SIR_GOPM_2_20230210T164747_20230210T164840_C001  CS_OFFL_SIR_GOPM_2_20230210T164747_20230210T164840_C001  CS_OFFL_SIR_GOPM_2_20230210T164747_20230210T164840_C001  CS_OFFL_SIR_GOPM_2_20230210T164747_20230210T164840_C001  CCCGA Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCCGA Altimeter R	CS_OFFL_SIR_GOPM_2_20230210T135730_20230210T140224_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality for one or more records  CS_OFFL_SIR_GOPM_2_20230210T150802_20230210T151107_C001  CS_OFFL_SIR_GOPM_2_20230210T150802_20230210T151107_C001  CS_OFFL_SIR_GOPM_2_20230210T151343_20230210T151547_C001  CS_OFFL_SIR_GOPM_2_20230210T151343_20230210T151547_C001  CS_OFFL_SIR_GOPM_2_20230210T151342_20230210T151547_C001  CS_OFFL_SIR_GOPM_2_20230210T151342_20230210T15154941_C001  CS_OFFL_SIR_GOPM_2_20230210T151342_20230210T155303_C001  CS_OFFL_SIR_GOPM_2_20230210T155303_20230210T155303_C001  CS_OFFL_SIR_GOPM_2_20230210T155303_20230210T155303_C001  CS_OFFL_SIR_GOPM_2_20230210T155303_20230210T155436_C001  CS_OFFL_SIR_GOPM_2_20230210T155303_20230210T155436_C001  CS_OFFL_SIR_GOPM_2_20230210T160913_20230210T165932_C001  CS_OFFL_SIR_GOPM_2_20230210T160913_20230210T165952_C001  CS_OFFL_SIR_GOPM_2_20230210T160913_20230210T160952_C001  CS_OFFL_SIR_GOPM_2_20230210T160913_20230210T160952_C001  CS_OFFL_SIR_GOPM_2_20230210T16090_20230210T160952_C001  CCGA Altimeter Range Quality, CCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCGA Altimeter Range Quality, CCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCGA Altimeter Range Quality, CCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCGA Altimeter Range Quality, CCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCGA Altimeter Range Quality, CCCG Backscatter Quality Flags have been set for one or more records  CCGA	CS_OFFL_SIR_GOPM_2_20230210T142657_20230210T150034_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality  CS_OFFL_SIR_GOPM_2_20230210T151343_20230210T15147_C001  CS_OFFL_SIR_GOPM_2_20230210T151343_20230210T15147_C001  CS_OFFL_SIR_GOPM_2_20230210T151342_20230210T154941_C001  CS_OFFL_SIR_GOPM_2_20230210T151842_20230210T154941_C001  CS_OFFL_SIR_GOPM_2_20230210T151842_20230210T154941_C001  CS_OFFL_SIR_GOPM_2_20230210T155114_20230210T155303_C001  CS_OFFL_SIR_GOPM_2_20230210T155114_20230210T155303_C001  CS_OFFL_SIR_GOPM_2_20230210T155303_20230210T155436_C001  CS_OFFL_SIR_GOPM_2_20230210T155303_20230210T155436_C001  CS_OFFL_SIR_GOPM_2_20230210T160913_20230210T161726_C001  CS_OFFL_SIR_GOPM_2_20230210T160913_20230210T163952_C001  CS_OFFL_SIR_GOPM_2_20230210T160913_20230210T163952_C001  CS_OFFL_SIR_GOPM_2_20230210T164133_20230210T164644_C001  CS_OFFL_SIR_GOPM_2_20230210T164133_20230210T164644_C001  CS_OFFL_SIR_GOPM_2_20230210T164413_20230210T164644_C001  CS_OFFL_SIR_GOPM_2_20230210T164413_20230210T164644_C001  CS_OFFL_SIR_GOPM_2_20230210T164413_20230210T164644_C001  CS_OFFL_SIR_GOPM_2_20230210T164413_20230210T164644_C001  CS_OFFL_SIR_GOPM_2_20230210T164644_C00201  CS_OFFL_SIR_GOPM_2_20230210T164644_C00201  CS_OFFL_SIR_GOPM_2_20230210T164644_C00201  CS_OFFL_SIR_GOPM_2_20230210T164644_C002010  CS_OFFL_SIR_GOPM_2_20230210T164644_C002010  CS_OFFL_SIR_GOPM_2_20230210T164644_C002010  CS_OFFL_SIR_GOPM_2_20230210T164644_C002010  CS_OFFL_SIR_GOPM_2_20230210T164644_C002010  CCC_OFFL_SIR_GOPM_2_20230210T164644_C002010  CCC_OFFL_SIR_GOPM_2_20230210T164644_C002010  CCC_OFFL_SIR_GOPM_2_20230210T164644_C002010  CCC_OFFL_SIR_GOPM_2_20230210T164644_C002010  CCC_OFFL_SIR_GOPM_2_20230210T164644_C002010  CCC_OFFL_SIR_GOPM_2_20230210T164644_C00202010T164644_C0010  CCC_OFFL_SIR_GOPM_2_20230210T164644_C002010  CCC_OFFL_SIR_GOPM_2_20230210T164644_C002010  CCC_OFFL_SIR_GOPM_2_20230210T164644_C002010  CCC_OFFL_SIR_GOPM_2_20230210T164644_C002010  CCC_OFFL_SIR_GOPM_2_20230210T164718_20230210T164644_C0010  CCC_OFFL_SIR_GOPM_2_20230210T164718_20230210T164644_C0010  CCC_OFFL_SIR_GOPM_2_20230210T164718_20230210T164644_C0010  CCC_OFFL_S	CS_OFFL_SIR_GOPM_2_20230210T150237_20230210T150741_C001		
and Backscatter Quality. COG Altimeter Range and Backscatter Quality Flags have been Altimeter Range Altimeter	CS_OFFL_SIR_GOPM_2_20230210T150802_20230210T151107_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_GOPM_2_20230210T155114_20230210T155303_C001  CS_OFFL_SIR_GOPM_2_20230210T155303_20230210T155303_C001  CS_OFFL_SIR_GOPM_2_20230210T155303_20230210T155436_C001  CS_OFFL_SIR_GOPM_2_20230210T160913_20230210T165436_C001  CS_OFFL_SIR_GOPM_2_20230210T160913_20230210T161726_C001  CS_OFFL_SIR_GOPM_2_20230210T160913_20230210T161726_C001  CS_OFFL_SIR_GOPM_2_20230210T161900_20230210T163952_C001  CS_OFFL_SIR_GOPM_2_20230210T161900_20230210T163952_C001  CS_OFFL_SIR_GOPM_2_20230210T164133_20230210T164640_C001  CS_OFFL_SIR_GOPM_2_20230210T164133_20230210T164640_C001  CS_OFFL_SIR_GOPM_2_20230210T164647_20230210T164640_C001  CS_OFFL_SIR_GOPM_2_20230210T164647_20230210T164644_C001  CS_OFFL_SIR_GOPM_2_20230210T164647_20230210T164644_C001  CS_OFFL_SIR_GOPM_2_20230210T164647_20230210T164644_C001  CS_OFFL_SIR_GOPM_2_20230210T164647_20230210T164644_C001  CS_OFFL_SIR_GOPM_2_20230210T164647_20230210T164644_C001  CS_OFFL_SIR_GOPM_2_20230210T164647_20230210T164644_C001  CS_OFFL_SIR_GOPM_2_20230210T164647_20230210T164644_C001  CS_OFFL_SIR_GOPM_2_20230210T164647_20230210T164644_C001  CS_OFFL_SIR_GOPM_2_20230210T164647_20230210T164654_C001  CCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_GOPM_2_20230210T164718_20230210T164647_C001  CCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records  CCOG Altimeter Range Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCOG Altimeter Range Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCOG Altimeter Range and Backscatter Quality Flags h	CS_OFFL_SIR_GOPM_2_20230210T151343_20230210T151547_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality  CS_OFFL_SIR_GOPM_2_20230210T155303_20230210T155436_C001  CS_OFFL_SIR_GOPM_2_20230210T160913_20230210T16726_C001  CS_OFFL_SIR_GOPM_2_20230210T160913_20230210T161726_C001  CS_OFFL_SIR_GOPM_2_20230210T160913_20230210T161726_C001  CS_OFFL_SIR_GOPM_2_20230210T161900_20230210T163952_C001  CS_OFFL_SIR_GOPM_2_20230210T161900_20230210T163952_C001  CS_OFFL_SIR_GOPM_2_20230210T161900_20230210T164640_C001  CS_OFFL_SIR_GOPM_2_20230210T164133_20230210T164640_C001  CS_OFFL_SIR_GOPM_2_20230210T164133_20230210T164640_C001  CS_OFFL_SIR_GOPM_2_20230210T164647_20230210T164654_C001  CS_OFFL_SIR_GOPM_2_20230210T164647_20230210T164640_C001  CS_OFFL_SIR_GOPM_2_20230210T164647_20230210T164640_C001  CS_OFFL_SIR_GOPM_2_20230210T164647_20230210T164644_C001  CS_OFFL_SIR_GOPM_2_20230210T164647_20230210T164654_C001  CS_OFFL_SIR_GOPM_2_20230210T164647_20230210T164684_C001  CS_OFFL_SIR_GOPM_2_20230210T164647_20230210T164847_C001  CS_OFFL_SIR_GOPM_2_20230210T1646718_20230210T164847_C001  CS_OFFL_SIR_GOPM_2_20230210T1646718_20230210T164847_C001  CS_OFFL_SIR_GOPM_2_20230210T1646718_20230210T164847_C001  CS_OFFL_SIR_GOPM_2_20230210T1646718_20230210T164847_C001  CS_OFFL_SIR_GOPM_2_20230210T1646718_20230210T164847_C001  CS_OFFL_SIR_GOPM_2_20230210T1646718_20230210T164847_C001  CS_OFFL_SIR_GOPM_2_20230210T164718_20230210T164847_C001  CCGAltimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records  CCGA Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records  CCGA Altimeter Range SSHA, SWH and Backscatter Quality Flags have been set for one or more records  CCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  CCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  CCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPM_2_20230210T151842_20230210T154941_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality  Cs_OFFL_SIR_GOPM_2_20230210T160913_20230210T161726_C001  Cs_OFFL_SIR_GOPM_2_20230210T160913_20230210T163952_C001  Cs_OFFL_SIR_GOPM_2_20230210T161900_20230210T163952_C001  Cs_OFFL_SIR_GOPM_2_20230210T164133_20230210T163952_C001  Cs_OFFL_SIR_GOPM_2_20230210T164133_20230210T164640_C001  Cs_OFFL_SIR_GOPM_2_20230210T164647_20230210T164644_C001  Cs_OFFL_SIR_GOPM_2_20230210T164647_20230210T164654_C001  Cs_OFFL_SIR_GOPM_2_20230210T164647_20230210T164654_C001  Cs_OFFL_SIR_GOPM_2_20230210T164647_20230210T164644_C001  Cs_OFFL_SIR_GOPM_2_20230210T164647_20230210T164654_C001  Cs_OFFL_SIR_GOPM_2_20230210T164647_20230210T164647_C001  Cs_OFFL_SIR_GOPM_2_20230210T164647_20230210T164654_C001  Cs_OFFL_SIR_GOPM_2_20230210T164647_20230210T164654_C001  Cs_OFFL_SIR_GOPM_2_20230210T164664_C001  Cs_OFFL_SIR_GOPM_2_20230210T164664_C001  Cs_OFFL_SIR_GOPM_2_20230210T164664_C001  Cs_OFFL_SIR_GOPM_2_20230210T164664_C001  Cs_OFFL_SIR_GOPM_2_20230210T164664_C001  Cs_OFFL_SIR_GOPM_2_20230210T164664_C001  Cc_OG Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records  Cs_OFFL_SIR_GOPM_2_20230210T164718_20230210T164847_C001  Cc_OG Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records  Cc_OG Altimeter Range Altimeter Range and Backscatter Quality Flags have been set for one or more records  Cc_OG Altimeter Range Altimeter Range and Backscatter Quality Flags have been set for one or more records  Cc_OG Altimeter Range	CS_OFFL_SIR_GOPM_2_20230210T155114_20230210T155303_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been  CS_OFFL_SIR_GOPM_2_20230210T161900_20230210T163952_C001  CS_OFFL_SIR_GOPM_2_20230210T164133_20230210T164640_C001  CS_OFFL_SIR_GOPM_2_20230210T164133_20230210T164654_C001  CS_OFFL_SIR_GOPM_2_20230210T164647_20230210T164654_C001  CS_OFFL_SIR_GOPM_2_20230210T164718_20230210T164847_C001  CS_OFFL_SIR_GOPM_2_20230210T165624_20230210T164847_C001  CS_OFFL_SIR_GOPM_2_20230210T164847_C001  COG Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_GOPM_2_20230210T165624_20230210T164847_C001  CS_OFFL_SIR_GOPM_2_20230210T164847_C001  CS_OFFL_SIR_GOPM_2_20230210T164847_C001  CS_OFFL_SIR_GOPM_2_20230210T164847_C001  CS_OFFL_SIR_GOPM_2_20230210T164847_C001  CO	CS_OFFL_SIR_GOPM_2_20230210T155303_20230210T155436_C001		
CS_OFFL_SIR_GOPM_2_20230210T161900_20230210T163952_C001  and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_GOPM_2_20230210T164133_20230210T164640_C001  CS_OFFL_SIR_GOPM_2_20230210T164647_20230210T164654_C001  CS_OFFL_SIR_GOPM_2_20230210T164647_20230210T164654_C001  CS_OFFL_SIR_GOPM_2_20230210T164647_20230210T164654_C001  CS_OFFL_SIR_GOPM_2_20230210T164718_20230210T164847_C001  CS_OFFL_SIR_GOPM_2_20230210T164718_20230210T164847_C001  CS_OFFL_SIR_GOPM_2_20230210T165624_20230210T165624_20230210T170619_C001  CS_OFFL_SIR_GOPM_2_20230210T165624_20230210T170619_C001  CS_OFFL_SIR_GOPM_2_20230210T165624_20230210T170619_C001  And Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_GOPM_2_20230210T165624_20230210T1669_C001  CCean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_GOPM_2_20230210T165624_20230210T170619_C001  CCEAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPM_2_20230210T160913_20230210T161726_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality  CS_OFFL_SIR_GOPM_2_20230210T164647_20230210T164654_C001  Backscatter Quality  CS_OFFL_SIR_GOPM_2_20230210T164647_20230210T164654_C001  CS_OFFL_SIR_GOPM_2_20230210T164718_20230210T164847_C001  CS_OFFL_SIR_GOPM_2_20230210T164718_20230210T164847_C001  CS_OFFL_SIR_GOPM_2_20230210T164718_20230210T164847_C001  CS_OFFL_SIR_GOPM_2_20230210T165624_20230210T170619_C001	CS_OFFL_SIR_GOPM_2_20230210T161900_20230210T163952_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality for one or more records  CS_OFFL_SIR_GOPM_2_20230210T164647_20230210T164847_C001  Backscatter Quality for one or more records  CS_OFFL_SIR_GOPM_2_20230210T164718_20230210T164847_C001  CS_OFFL_SIR_GOPM_2_20230210T165624_20230210T170619_C001  CS_OFFL_SIR_GOPM_2_20230210T165624_20230210T170619_C001  CS_OFFL_SIR_GOPM_2_20230210T165624_20230210T170619_C001  Backscatter Quality  COCGA Altimeter Range Quality, OCOG  COCGA Altimeter Range, SSHA, SWH  and Backscatter Quality Flags  and the OCOG Altimeter Range and Backscatter Quality Flags  and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPM_2_20230210T164133_20230210T164640_C001		
Backscatter Quality for one or more records  CS_OFFL_SIR_GOPM_2_20230210T164718_20230210T164847_C001  Backscatter Quality for one or more records  Cs_OFFL_SIR_GOPM_2_20230210T165624_20230210T170619_C001  Cs_OFFL_SIR_GOPM_2_20230210T165624_20230210T170619_C001  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPM_2_20230210T164647_20230210T164654_C001		
CS_OFFL_SIR_GOPM_2_20230210T165624_20230210T170619_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPM_2_20230210T164718_20230210T164847_C001		
	CS_OFFL_SIR_GOPM_2_20230210T165624_20230210T170619_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_GOPM_2_20230210T171238_20230210T172408_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_GOPM_2_20230210T175004_20230210T180227_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_GOPM_2_20230210T180406_20230210T181848_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_GOPM_2_20230210T182052_20230210T182552_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_GOPM_2_20230210T183430_20230210T183701_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_GOPM_2_20230210T183740_20230210T184937_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_GOPM_2_20230210T184939_20230210T185319_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_GOPM_2_20230210T185321_20230210T185617_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_GOPM_2_20230210T192805_20230210T192814_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_GOPM_2_20230210T193507_20230210T195829_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_GOPM_2_20230210T200132_20230210T200510_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_GOPM_2_20230210T200532_20230210T200839_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_GOPM_2_20230210T201116_20230210T203759_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_GOPM_2_20230210T211127_20230210T213740_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_GOPM_2_20230210T213915_20230210T214425_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_GOPM_2_20230210T214432_20230210T214759_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_GOPM_2_20230210T215055_20230210T222509_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_GOPM_2_20230210T224812_20230210T225405_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_GOPM_2_20230210T231106_20230210T231730_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_GOPM_2_20230210T231916_20230210T232459_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_GOPM_2_20230210T232529_20230210T232701_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:

Product	Test Failed	Description
CS OFFI SID CODN 2 20220210T000822 20220210T000858 C001	Altimeter Range and Rackscatter 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_GOPN_2_20230210T001522_20230210T001833_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records

Comparison			
See OFFL SIR COPPLE 20200019109032 202001910	CS_OFFL_SIR_GOPN_2_20230210T014813_20230210T014927_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OPT_SR_GOPM_2_2200001T06000_00001  CS_OPT_SR_GOPM_2_2200001T06000_0001  CS_OPT_SR_GOPM_2_22	CS_OFFL_SIR_GOPN_2_20230210T015422_20230210T015747_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFF_BIL_COPI_2_2000010700292_2000010700293_2000010700293_CO_OFF_BIL_COPI_2000010700293_200001070000000000000000000000000000000	CS_OFFL_SIR_GOPN_2_20230210T033328_20230210T033707_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
DELIGIBLE CONTROL 2 00000101100131 2 20030110100051 CONTROL SITE CONTROL SHAPE CONTROL	CS_OFFL_SIR_GOPN_2_20230210T050420_20230210T051026_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_COPN_2_2020219707296_2020210709052_CO01  CS_OFFL_SIR_COPN_2_2020219707296_2020210707295_CO01  CS_OFFL_SIR_COPN_2_2020219707296_2020210707295_CO01  CS_OFFL_SIR_COPN_2_2020219707296_2020210707295_CO01  CS_OFFL_SIR_COPN_2_2020219707296_2020210707295_CO01  CS_OFFL_SIR_COPN_2_2020219707296_2020210707295_CO01  CS_OFFL_SIR_COPN_2_2020219707296_2020210707295_CO01  CS_OFFL_SIR_COPN_2_2020219707296_2020210707295_CO01  CS_OFFL_SIR_COPN_2_2020219707296_2020210707295_CO01  CS_OFFL_SIR_COPN_2_2020219707296_CO01072952_CO01  CS_OFFL_SIR_COPN_2_2020219707296_2020210707295_CO01  CS_OFFL_SIR_COPN_2_2020219709400_2020210709000_CO01072952_	CS_OFFL_SIR_GOPN_2_20230210T060334_20230210T060549_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SR_GOPFL_2_20202107107256_20001  CG_OFFL_SR_GOPFL_2_20202107107256_20001  CG_OFFL_SR_GOPFL_2_20202107107256_20001  CG_OFFL_SR_GOPFL_2_20202010707256_20001  CG_OFFL_SR_GOPFL_2_20202010707257_20001  CG_OFFL_SR_GOPFL_2_20202010707257_20001  CG_OFFL_SR_GOPFL_2_20202010707257_20001  CG_OFFL_SR_GOPFL_2_20202010707257_20001  CG_OFFL_SR_GOPFL_2_202020107107257_20001  CG_OFFL_SR_GOPFL_2_20202010710935_20001  CG_OFFL_SR_GOPFL_2_20202010710935_20001  CG_OFFL_SR_GOPFL_2_20202010710935_200010712460_ CG_OFFL_SR_GOPFL_2_20202010710935_200010712460_ CG_OFFL_SR_GOPFL_2_20202010710935_200010712460_ CG_OFFL_SR_GOPFL_2_20202010710945_200010712460_ CG_OFFL_	CS_OFFL_SIR_GOPN_2_20230210T060739_20230210T060950_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
OCO 6 Besocater Gailly	CS_OFFL_SIR_GOPN_2_20230210T062557_20230210T062951_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CSC OFFL SIR COPPL 2 20202210T074948 20202210T074949 (2001   CCS GRAPHORE PROPS) CARRIED PLEMS   The COCS Range and Backscatter Quality Flags have been set for one of more records	CS_OFFL_SIR_GOPN_2_20230210T072326_20230210T072705_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20230210T109632_20230210T109592_C001  CS_OFFL_SIR_GOPN_2_20230210T096041_20230210T109652_C001  CS_OFFL_SIR_GOPN_2_20230210T109154_20230210T109652_C001  CS_OFFL_SIR_GOPN_2_20230210T109154_20230210T109564_C001  CS_OFFL_SIR_GOPN_2_20230210T109154_20230210T109564_C001  CS_OFFL_SIR_GOPN_2_20230210T109154_20230210T109564_C001  CS_OFFL_SIR_GOPN_2_20230210T109154_20230210T109564_C001  CS_OFFL_SIR_GOPN_2_20230210T109154_20230210T109564_C001  CS_OFFL_SIR_GOPN_2_20230210T109154_20230210T109564_C001  CS_OFFL_SIR_GOPN_2_20230210T109157_20230210T109564_C001  CS_OFFL_SIR_GOPN_2_20230210T109157_20230210T109564_C001  CS_OFFL_SIR_GOPN_2_20230210T109157_20230210T109564_C001  CS_OFFL_SIR_GOPN_2_20230210T10957_20230210T10957_202301  CS_OFFL_SIR_GOPN_2_20230210T10957_202301  CS_OFFL_SIR_GOPN_2_20230210T10957_202301  CS_OFFL_SIR_GOPN_2_20230210T10957_202301  CS_OFFL_SIR_GOPN_2_20230210T10957_202301  CS_OFFL_SIR_GOPN_2_20230210T10957_202301  CS_OFFL_SIR_GOPN_2_20230210T10957_202301  CS_OFFL_SIR_GOPN_2_20230210T10957_202301  CS_OFFL_SIR_GOPN_2_20230210T10957_202301  CS_OFFL_SIR_GOPN_2_20230210T10957_20301  CS_OFFL_SIR_GOPN_2_20230210T10957_20301  CS_OFFL_SIR_GOPN_2_20230210T10957_20301  CS_OFFL_SIR_GOPN_2_20230210T10957_20301  CS_OFFL_SIR_GOPN_2_20230210T10957_20301  CS_OFFL_SIR_GOPN_2_20230210T10957_20301  CS_OFFL_SIR_GOPN_2_20230210T10957_20301  CS_OFFL_SIR_GOPN_2_20230210T10957_20301  CS_OFFL_SIR_GO	CS_OFFL_SIR_GOPN_2_20230210T072745_20230210T072852_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
OCOG Backscatter Quality PLRM. CS_OFFL_SIR_GOPN_2_20230210T091594_20230210T091511_C001  OCOG Altimeter Range Quality PLRM. COG Gardenetter Quality PLRM. COGG Altimeter Range Quality PLRM. COGG Altimeter Range Quality PLRM. COGG Altimeter Range Quality PLRM. COGG Backscatter Quality PLRM. COGG Altimeter Range Quality PLRM. COGG Backscatter	CS_OFFL_SIR_GOPN_2_20230210T074248_20230210T074740_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
OCCG Bankscatter Quality  CS_OFFL_SIR_GOPN_2_20230210T109154_20230210T10931_C001  CS_OFFL_SIR_GOPN_2_20230210T109717_20220210T10931_C001  CS_OFFL_SIR_GOPN_2_20230210T109717_20220210T10931_C001  CS_OFFL_SIR_GOPN_2_20230210T109727_20230210T10931_C001  CS_OFFL_SIR_GOPN_2_20230210T109727_20230210T10931_C001  CS_OFFL_SIR_GOPN_2_20230210T109727_20230210T10931_C001  CS_OFFL_SIR_GOPN_2_20230210T109747_20230210T109702_C001  CS_OFFL_SIR_GOPN_2_20230210T109747_20230210T109702_C001  CS_OFFL_SIR_GOPN_2_20230210T109747_20230210T109702_C001  CS_OFFL_SIR_GOPN_2_20230210T109747_20230210T109702_C001  CS_OFFL_SIR_GOPN_2_20230210T109747_20230210T109702_C001  CS_OFFL_SIR_GOPN_2_20230210T120835_20230210T109741_C001  CS_OFFL_SIR_GOPN_2_20230210T120835_20230210T120941_C001  CS_OFFL_SIR_GOPN_2_20230210T120932_20230210T120941_C001  CS_OFFL_SIR_GOPN_2_20230210T120	CS_OFFL_SIR_GOPN_2_20230210T082603_20230210T082723_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20230210T109572_20230210T109581_C001  CS_OFFL_SIR_GOPN_2_20230210T109572_20230210T109586_C001  CS_OFFL_SIR_GOPN_2_20230210T109587_20230210T109570_C001  Altereter Range Quality PLRM. COG Rackscatter Quality PLRM. CS_OFFL_SIR_GOPN_2_20230210T109584_20230210T109570_C001  CS_OFFL_SIR_GOPN_2_20230210T109572_20230210T109570_C001  CS_OFFL_SIR_GOPN_2_20230210T109572_20230210T109570_C001  CS_OFFL_SIR_GOPN_2_20230210T109572_20230210T109570_C001  CS_OFFL_SIR_GOPN_2_20230210T109572_20230210T109570_C001  CS_OFFL_SIR_GOPN_2_20230210T109572_20230210T109570_C001  CS_OFFL_SIR_GOPN_2_20230210T109572_20230210T109570_C001  CS_OFFL_SIR_GOPN_2_20230210T109572_20230210T109570_C001  CS_OFFL_SIR_GOPN_2_20230210T109573_20230210T109570_C001  CS_OFFL_SIR_GOPN_2_20230210T120345_20230210T120441_C001  CS_OFFL_SIR_GOPN_2_20230210T120345_20230210T120441_C001  CS_OFFL_SIR_GOPN_2_20230210T120403_20230210T120414_C001  CS_OFFL_SIR_GOPN_2_20230210T120403_20230210T120401_C001  CS_OFFL_SIR_GOPN_2_20230210T120403_20230210T120401_C001  CS_OFFL_SIR_GOPN_2_20230210T120403_20230210T120401_C001  CS_OFFL_SIR_GOPN_2_20230210T120403_20230210T120401_C001  CS_OFFL_SIR_GOPN_2_20230210T120403_20230210T12000_C001  CS_OFFL_SIR_GOPN_2_20230210T12000_C001  CS_OFFL_SIR_GOPN_2_20230210T12000_C001  CS_OFFL_SIR_GOPN_2_20230210T12000_C001  CS_OFFL_SIR_GOPN_2_20230210T12000_C001  CS_OFFL_SIR_GOPN_2_20230210T10000_C001  CS_OFFL_SIR_GOPN_2_20230210T1000000000000000000000000000000	CS_OFFL_SIR_GOPN_2_20230210T090401_20230210T090523_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20230210T101527_20230210T101656_C001  CS_OFFL_SIR_GOPN_2_20230210T105645_20230210T105702_C001  CS_OFFL_SIR_GOPN_2_20230210T105645_20230210T105702_C001  CS_OFFL_SIR_GOPN_2_20230210T105645_20230210T105702_C001  CS_OFFL_SIR_GOPN_2_20230210T105645_20230210T105702_C001  CS_OFFL_SIR_GOPN_2_20230210T105645_20230210T105702_C001  CS_OFFL_SIR_GOPN_2_20230210T105645_20230210T105702_C001  CS_OFFL_SIR_GOPN_2_20230210T105645_20230210T105702_C001  CS_OFFL_SIR_GOPN_2_20230210T105645_20230210T105702_C001  CS_OFFL_SIR_GOPN_2_20230210T105645_20230210T106702_C001  CS_OFFL_SIR_GOPN_2_20230210T106702_C001  CS_OFFL_SIR_GOPN_2_20230210T120855_20230210T120841_C001  CS_OFFL_SIR_GOPN_2_20230210T120843_20230210T120841_C001  CS_OFFL_SIR_GOPN_2_20230210T124423_20230210T12443_C001  CS_OFFL_SIR_GOPN_2_20230210T124423_20230210T124400_C001  CS_OFFL_SIR_GOPN_2_20230210T124602_20230210T124732_C001  CS_OFFL_SIR_GOPN_2_20230210T124602_20230210T124732_C001  CS_OFFL_SIR_GOPN_2_20230210T124602_20230210T124732_C001  CS_OFFL_SIR_GOPN_2_20230210T135555_20230210T124732_C001  CS_OFFL_SIR_GOPN_2_20230210T135555_20230210T135729_C001  CS_OFFL_SIR_GOPN_2_20230210T14402_20230210T141835_C001  CS_OFFL_SIR_GOPN_2_20230210T146447_20230210T148185_C001  CS_OFFL_SIR_GOPN_2_20230210T146447_20230210T148185_C001  CS_OFFL_SIR_GOPN_2_20230210T146447_20230210T148185_C001  CS_OFFL_SIR_GOPN_2_20230210T146447_20230210T148185_C001  CS_OFFL_SIR_GOPN_2_20230210T146447_20230210T148185_C001  CS_OFFL_SIR_GOPN_2_20230210T146447_20230210T165057_C001  CS_OFFL_SIR_GOPN_2_20230210T166447_20230210T165057_C001  CS_OFFL_SIR_GOPN_2_20230210T166447_20230210T165057_C001  CS_OFFL_SIR_GOPN_2_20230210T166447_20230210T165057_C001  CS_OFFL_SIR_GOPN_2_20230210T166447_20230210T165057_C001  CS_OFFL_SIR_GOPN_2_20230210T166447_20230210T165057_C001  CS_OFFL_SIR_GOPN_2_20230210T166447_20230210T165057_C001  CS_OFFL_SIR_GOPN_2_20230210T166447_20230210T165057_C001  CS_OFFL_SIR_GOPN_2_20230210T166447_20230210T165057_C001  CS_OFFL_SIR_GOPN_2_20230210T166447_20230210T165057_C001  CS_OFFL_SIR_	CS_OFFL_SIR_GOPN_2_20230210T091534_20230210T091611_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20230210T105645_20230210T105702_C001  CS_OFFL_SIR_GOPN_2_20230210T105645_20230210T105702_C001  CS_OFFL_SIR_GOPN_2_20230210T105702_C001  CS_OFFL_SIR_GOPN_2_20230210T105702_C001  CS_OFFL_SIR_GOPN_2_20230210T105702_C001  CS_OFFL_SIR_GOPN_2_20230210T105702_C001  CS_OFFL_SIR_GOPN_2_20230210T105702_C001  CS_OFFL_SIR_GOPN_2_20230210T105702_C001  CS_OFFL_SIR_GOPN_2_20230210T105702_C001  CS_OFFL_SIR_GOPN_2_20230210T105702_C001  CS_OFFL_SIR_GOPN_2_20230210T1000000000000000000000000000000	CS_OFFL_SIR_GOPN_2_20230210T100717_20230210T100931_C001	, ,	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20230210T106845_20230210T106702_C001  Altimeter Range and Backscatter Quality PLRM, COCG Altimeter Range and Backscatter Quality PLRM  CS_OFFL_SIR_GOPN_2_20230210T110637_20230210T110615_C001  CS_OFFL_SIR_GOPN_2_20230210T10637_2	CS_OFFL_SIR_GOPN_2_20230210T101527_20230210T101656_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 Flags have been set for one or more records  CS_OFFL_SIR_GOPN_2_20230210T120835_20230210T120941_C001  CS_OFFL_SIR_GOPN_2_20230210T123043_20230210T123143_C001  CS_OFFL_SIR_GOPN_2_20230210T123043_20230210T123143_C001  CS_OFFL_SIR_GOPN_2_20230210T124423_20230210T124600_C001  CS_OFFL_SIR_GOPN_2_20230210T124423_20230210T124723_C001  CS_OFFL_SIR_GOPN_2_20230210T124622_20230210T124723_C001  CS_OFFL_SIR_GOPN_2_20230210T135555_20230210T135729_C001  CS_OFFL_SIR_GOPN_2_20230210T144330_20230210T144635_C001  CS_OFFL_SIR_GOPN_2_20230210T144330_20230210T144635_C001  CS_OFFL_SIR_GOPN_2_20230210T144330_20230210T144635_C001  CS_OFFL_SIR_GOPN_2_20230210T144330_20230210T14635_C001  CS_OFFL_SIR_GOPN_2_20230210T164847_20230210T165057_C001  CS_OFFL_SIR_GOPN_2_20230210T164847_20230210T165057_C001  CS_OFFL_SIR_GOPN_2_20230210T164847_20230210T165057_C001  CS_OFFL_SIR_GOPN_2_20230210T170619_20230210T170725_C001  CS_OFFL_SIR_GOPN_2_20230210T170619_20230210T170725_C001  CS_OFFL_SIR_GOPN_2_20230210T170619_20230210T170725_C001  CS_OFFL_SIR_GOPN_2_20230210T170619_20230210T170725_C001  CCS_OFFL_SIR_GOPN_2_20230210T170619_20230210T170725_C001  CCS_OFFL_SIR_GOPN_2_20230210T17	CS_OFFL_SIR_GOPN_2_20230210T105645_20230210T105702_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPN_2_20230210T123043_20230210T123143_C001  CS_OFFL_SIR_GOPN_2_20230210T123043_20230210T124600_C001  CS_OFFL_SIR_GOPN_2_20230210T124423_20230210T124600_C001  CS_OFFL_SIR_GOPN_2_20230210T124423_20230210T124600_C001  CS_OFFL_SIR_GOPN_2_20230210T124423_20230210T124600_C001  CS_OFFL_SIR_GOPN_2_20230210T124423_20230210T124723_C001  CS_OFFL_SIR_GOPN_2_20230210T124622_20230210T124723_C001  CS_OFFL_SIR_GOPN_2_20230210T124622_20230210T124723_C001  CS_OFFL_SIR_GOPN_2_20230210T135555_20230210T135729_C001  CS_OFFL_SIR_GOPN_2_20230210T141330_20230210T141635_C001  CS_OFFL_SIR_GOPN_2_20230210T141330_20230210T141635_C001  CS_OFFL_SIR_GOPN_2_20230210T164847_20230210T165057_C001  CS_OFFL_SIR_GOPN_2_20230210T164847_20230210T165057_C001  CS_OFFL_SIR_GOPN_2_20230210T164847_20230210T165057_C001  CS_OFFL_SIR_GOPN_2_20230210T170619_20230210T170725_C001  CS_OFFL_SIR_GOPN_2_20230210T170619_20230210T170725_C001  CS_OFFL_SIR_GOPN_2_20230210T170619_20230210T170725_C001  CS_OFFL_SIR_GOPN_2_20230210T170619_20230210T170725_C001  CS_OFFL_SIR_GOPN_2_20230210T170619_20230210T170725_C001  CCG_OFFL_SIR_GOPN_2_20230210T170619_20230210T170725_C001  CCG_OFFL_SIR_GOPN_2_20230210T170619	CS_OFFL_SIR_GOPN_2_20230210T110637_20230210T110815_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCOG Backscatter Quality  CS_OFFL_SIR_GOPN_2_20230210T124423_20230210T124600_C001  CS_OFFL_SIR_GOPN_2_20230210T124423_20230210T124600_C001  CS_OFFL_SIR_GOPN_2_20230210T124423_20230210T124723_C001  CS_OFFL_SIR_GOPN_2_20230210T124622_20230210T124723_C001  CS_OFFL_SIR_GOPN_2_20230210T135555_20230210T135729_C001  CS_OFFL_SIR_GOPN_2_20230210T135555_20230210T135729_C001  CS_OFFL_SIR_GOPN_2_20230210T141330_20230210T141635_C001  CS_OFFL_SIR_GOPN_2_20230210T141330_20230210T141635_C001  CS_OFFL_SIR_GOPN_2_20230210T164847_20230210T165057_C001  CS_OFFL_SIR_GOPN_2_20230210T164847_20230210T165057_C001  CS_OFFL_SIR_GOPN_2_20230210T1770619_20230210T1770725_C001  CS_OFFL_SIR_GOPN_2_20230210T1770619_20230210T1770725_C001  CS_OFFL_SIR_GOPN_2_20230210T1770619_20230210T1770725_C001  CS_OFFL_SIR_GOPN_2_20230210T1770619_20230210T1770725_C001  CS_OFFL_SIR_GOPN_2_20230210T1770619_20230210T1770725_C001  CS_OFFL_SIR_GOPN_2_20230210T1770619_20230210T1770725_C001  CS_OFFL_SIR_GOPN_2_20230210T1770619_20230210T1770725_C001  CS_OFFL_SIR_GOPN_2_20230210T170619_20230210T1770725_C001  CS_OFFL_SIR_GOPN_2_20230210T170619_20230210T170725_C001  CCG_Altimeter Range Quality PLRM, 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, 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, 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 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	CS_OFFL_SIR_GOPN_2_20230210T120835_20230210T120941_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20230210T124423_20230210T124600_C001  Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_GOPN_2_20230210T135555_20230210T135729_C001  CS_OFFL_SIR_GOPN_2_20230210T141330_20230210T141635_C001  Altimeter Range 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.  CS_OFFL_SIR_GOPN_2_20230210T164847_20230210T165057_C001  CS_OFFL_SIR_GOPN_2_20230210T170619_20230210T170725_C001  CS_OFFL_SIR_GOPN_2_20230210T170619_20230210T170725_C001  CS_OFFL_SIR_GOPN_2_20230210T170619_20230210T170725_C001  CS_OFFL_SIR_GOPN_2_20230210T170619_20230210T170725_C001  CS_OFFL_SIR_GOPN_2_20230210T170619_20230210T170725_C001  CS_OFFL_SIR_GOPN_2_20230210T170619_20230210T170725_C001  CS_OFFL_SIR_GOPN_2_20230210T170619_20230210T170725_C001  CCOG Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality Flags have been set for one or more records  CCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  CCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  CCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  CCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  CCOG Altimeter Range, SSHA, SWH and	CS_OFFL_SIR_GOPN_2_20230210T123043_20230210T123143_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 Flags have been set for one or more records  CS_OFFL_SIR_GOPN_2_20230210T135555_20230210T135729_C001  CS_OFFL_SIR_GOPN_2_20230210T141330_20230210T141635_C001  CS_OFFL_SIR_GOPN_2_20230210T141330_20230210T141635_C001  CS_OFFL_SIR_GOPN_2_20230210T141330_20230210T141635_C001  CS_OFFL_SIR_GOPN_2_20230210T164847_20230210T165057_C001  CS_OFFL_SIR_GOPN_2_20230210T164847_20230210T165057_C001  CS_OFFL_SIR_GOPN_2_20230210T170619_20230210T170725_C001  CS_OFFL_SIR_GOPN_2_20230210T170619_20230210T1	CS_OFFL_SIR_GOPN_2_20230210T124423_20230210T124600_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPN_2_20230210T141330_20230210T141635_C001  CS_OFFL_SIR_GOPN_2_20230210T141330_20230210T141635_C001  CS_OFFL_SIR_GOPN_2_20230210T164847_20230210T165057_C001  CS_OFFL_SIR_GOPN_2_20230210T164847_20230210T165057_C001  CS_OFFL_SIR_GOPN_2_20230210T170619_20230210T170725_C001  CS_OFFL_SIR_GOPN_2_20230210T170619_20230210T170725_	CS_OFFL_SIR_GOPN_2_20230210T124622_20230210T124723_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_GOPN_2_20230210T164847_20230210T165057_C001  CS_OFFL_SIR_GOPN_2_20230210T170619_20230210T170725_C001  CS_OFFL_SIR_GOPN_2_20230210T170619_20230210T170725_C001  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 Flags have been set for one or more records  CS_OFFL_SIR_GOPN_2_20230210T170619_20230210T170725_C001  CS_OFFL_SIR_GOPN_2_20230210T170619_20230210T170725_C001  CS_OFFL_SIR_GOPN_2_20230210T170619_20230210T170725_C001  CS_OFFL_SIR_GOPN_2_20230210T170619_20230210T170725_C001  CS_OFFL_SIR_GOPN_3_20230210T170619_20230210T170725_C001  CS_OFFL_SIR_GOPN_3_20230210T170619_20230	CS_OFFL_SIR_GOPN_2_20230210T135555_20230210T135729_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  CS_OFFL_SIR_GOPN_2_20230210T164847_20230210T165057_C001  and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_GOPN_2_20230210T170619_20230210T170725_C001  CS_OFFL_SIR_GOPN_2_20230210T170725_C001  CS_OFFL_SIR_GOPN_2_20230210T170725_C001  CS_OFFL_SIR_GOPN_2_20230210T170725_C001  CS_OFFL_SIR_GOPN_2_20230210T170725_C001  CS_OFFL_SIR_GOPN_2_20230210T	CS_OFFL_SIR_GOPN_2_20230210T141330_20230210T141635_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCOG Backscatter Quality  OCOG Backscatter Quality  OCOG Backscatter Quality  OCOG Backscatter Quality  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatt	CS_OFFL_SIR_GOPN_2_20230210T164847_20230210T165057_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality PLRM, OCOG	CS_OFFL_SIR_GOPN_2_20230210T170619_20230210T170725_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
PLRM set for one or more records	CS_OFFL_SIR_GOPN_2_20230210T172821_20230210T173122_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_GOPN_2_20230210T173235_20230210T173450_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_GOPN_2_20230210T190917_20230210T191315_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_GOPN_2_20230210T192941_20230210T193325_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_GOPN_2_20230210T195858_20230210T200132_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_GOPN_2_20230210T200839_20230210T201038_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_GOPN_2_20230210T210957_20230210T211127_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_GOPN_2_20230210T213740_20230210T213915_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_GOPR_2_20230210T001833_20230210T002057_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_GOPR_2_20230210T005512_20230210T010516_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_GOPR_2_20230210T011300_20230210T011433_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_GOPR_2_20230210T014719_20230210T014812_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_GOPR_2_20230210T023742_20230210T024414_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_GOPR_2_20230210T024414_20230210T024950_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_GOPR_2_20230210T032534_20230210T032859_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_GOPR_2_20230210T041154_20230210T041228_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_GOPR_2_20230210T041657_20230210T042302_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_GOPR_2_20230210T044634_20230210T044847_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_GOPR_2_20230210T053420_20230210T053559_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_GOPR_2_20230210T055642_20230210T055736_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_GOPR_2_20230210T055753_20230210T055835_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_GOPR_2_20230210T055913_20230210T060050_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_GOPR_2_20230210T060549_20230210T060739_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_GOPR_2_20230210T061252_20230210T061408_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_GOPR_2_20230210T072150_20230210T072256_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_GOPR_2_20230210T073534_20230210T073629_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_GOPR_2_20230210T073629_20230210T074248_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_GOPR_2_20230210T075523_20230210T075740_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_GOPR_2_20230210T091348_20230210T091457_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_GOPR_2_20230210T091801_20230210T092311_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_GOPR_2_20230210T104558_20230210T104800_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_GOPR_2_20230210T105131_20230210T105324_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_GOPR_2_20230210T122540_20230210T122639_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_GOPR_2_20230210T123532_20230210T124422_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_GOPR_2_20230210T124600_20230210T124622_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_GOPR_2_20230210T140224_20230210T140908_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_GOPR_2_20230210T141140_20230210T141330_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_GOPR_2_20230210T141635_20230210T142327_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_GOPR_2_20230210T142547_20230210T142657_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_GOPR_2_20230210T155535_20230210T160118_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_GOPR_2_20230210T165057_20230210T165623_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_GOPR_2_20230210T171025_20230210T171238_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_GOPR_2_20230210T172408_20230210T172555_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_GOPR_2_20230210T173123_20230210T173235_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_GOPR_2_20230210T173746_20230210T174135_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_GOPR_2_20230210T180227_20230210T180406_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_GOPR_2_20230210T190602_20230210T190852_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_GOPR_2_20230210T191315_20230210T191838_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_GOPR_2_20230210T191909_20230210T192003_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_GOPR_2_20230210T201038_20230210T201116_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_GOPR_2_20230210T205138_20230210T210119_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_GOPR_2_20230210T214928_20230210T215055_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_GOPR_2_20230210T222858_20230210T222941_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_GOPR_2_20230210T222941_20230210T223633_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_GOPR_2_20230210T224710_20230210T224753_C001	0 ,	The OCOG 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:

197

#### 5.8 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 over land and sea ice, but this is to be expected. The number of products with this error flag set is given below.

Number of products with errors:

52

## 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 GOPR and GOPN products over sea ice, but this is to be expected.

Number of products with errors:

### 6. GOP L2 Pole-to-Pole Data Quality Check

#### 6.1 P2P 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:

0

#### 6.2 P2P Product Header Analysis

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

Number of products with errors:

0

## 6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

0

## 6.4 P2P 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 that are expected, due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues that 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. The affected products are not reported in the table below.
- > Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over 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: 29

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20230209T232444_20230210T001420_C002	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_GOP_2_20230210T001420_20230210T010359_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_GOP_2_20230210T010359_20230210T015335_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_GOP_2_20230210T015335_20230210T024313_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_GOP_2_20230210T024313_20230210T033249_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_GOP_2_20230210T033249_20230210T042228_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_GOP_220230210T042228_20230210T051204_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_GOP_2_20230210T051204_20230210T060143_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_GOP_2_20230210T060143_20230210T065119_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_GOP_220230210T065119_20230210T074057_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_GOP_2_20230210T074057_20230210T083033_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_GOP_2_20230210T083033_20230210T092012_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_GOP_2_20230210T092012_20230210T100948_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 height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20230210T100948_20230210T105927_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_GOP_2_20230210T105927_20230210T114903_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_GOP_2_20230210T114903_20230210T123841_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_GOP_2_20230210T123841_20230210T132817_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_GOP_2_20230210T132817_20230210T141756_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_GOP_2_20230210T141756_20230210T150732_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_GOP_2_20230210T150732_20230210T155711_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_GOP_2_20230210T155711_20230210T164646_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_GOP_2_20230210T164646_20230210T173625_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_GOP_2_20230210T173625_20230210T182601_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_GOP_2_20230210T182601_20230210T191540_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_GOP_2_20230210T191540_20230210T200516_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_GOP_2_20230210T200516_20230210T205455_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_GOP_2_20230210T205455_20230210T214431_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_GOP_2_20230210T214431_20230210T223409_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_GOP_2_20230210T223409_20230210T232345_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

### 6.5 P2P Measurement Confidence Data Check

CryoSat P2P 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:

## P2P Quality Flags (20 Hz)

CryoSat P2P data includes Quality Flags for each 20 Hz, 20 Hz PLRM and 1 Hz measurement record, copied from the corresponding L2 products.

Since the P2P Quality Flags are copied directly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected.

Number of products with errors:

## P2P Quality Flags (20 Hz PLRM)

Since the P2P Quality Flags are copied directly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected.

Number of products with errors: 2

## P2P Quality Flags (1 Hz & 1 Hz PLRM)

Since the P2P Quality Flags are copied directly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected.

Number of products with errors:

## 6.8 P2P Ocean Retracking Quality Check

## P2P Retracking Flags (20 Hz)

Cryosat P2P data includes an ocean retracking quality flag (field 19) for each 20 Hz 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 GOPR and GOPN products over sea ice, but this is to be expected.

Number of products with errors:

## P2P Retracking Flags 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 GOPR and GOPN products over sea ice, but this is to be expected.

Number of products with errors:

30

## 7. GOP QCC Report Analysis

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

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_GOPM1B	193	193	2	191	0
SIR_GOPR1B	135	135	0	135	0
SIR_GOPN1B	97	97	0	97	0
SIR_GOPM_2	193	193	137	56	0
SIR_GOPR_2	135	135	58	77	0
SIR_GOPN_2	97	97	33	64	0
SIR GOP P2P	29	29	0	29	0

## 7.1 QCC Errors

Number of QCC	reports with e	rrors:	0								
					Total number	of occurrences	of each error				
Product Type	-	-	-	-	-	-	-	-	-	-	-
			•			•					•
Product Type	-	-	-	-	-	-	-	•	-	-	-

Test Description Key:				
Abbreviation	Test name	Details		
0	0	#N/A		
0	0	#N/A		
0	0	#N/A		
0	0	#N/A		

# 7.2 QCC Warnings

## Number of QCC reports with warnings

2060

Total number of	occurrences	of each	warning
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				i Otal Ilulii	dei di decuirences di ec	ich warring		
	Product Type	BCSHNCDF	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD	RBSZOPOEPNCDF
	SIR_GOPM1B	191	0	0	0	0	0	0
	SIR_GOPM_2	0	42	48	0	42	0	39
	SIR_GOPN1B	95	0	0	0	0	0	0
	SIR_GOPN_2	0	7	27	4	24	28	15
	SIR_GOPR1B	131	0	0	0	0	0	0
ı	SIR GOPR 2	0	21	28	1	23	22	10

Product Type	RNELPOTONCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNCE	RPEPOPFDPLRMSINNCDI	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF	RPEPOPLRMNCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	0	36	0	0	0	0	27
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	0	0	0	16	0	26	0
SIR_GOPR1B	0	0	0	0	0	0	0
SIR_GOPR_2	3	0	32	0	39	0	0

Product Type	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF	RSWHOEPFDNCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	0	0	9	24	0	8	32
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	0	20	17	50	46	30	22
SIR_GOPR1B	0	0	0	0	0	0	0
SIR GOPR 2	35	0	4	61	31	9	25

Product Type	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHRTASCNSNCDF	SPHRTASCNSNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF
SIR_GOPM1B	0	0	0	1	0	0	0
SIR_GOPM_2	0	4	0	1	0	0	0
SIR_GOPN1B	0	0	0	0	0	45	0
SIR_GOPN_2	26	11	0	0	1	0	0
SIR_GOPR1B	0	0	0	0	0	135	6
SIR GOPR 2	40	1	1	1	2	0	0

Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD	RBSZOPOEPNCDF
SIR GOP 2	14	27	29	3	28	17	27

Product Type	RNELPOTONCDF	RPEPOPFDPLRMSINNCDI	RPEPOPFDSINNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF
SIR_GOP_2_	2	14	24	20	21	29	17

Product Type	RSSHAONCDF	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHLPQWNCDF	-	•
SIR_GOP_2_	24	27	18	15	29		

Test Description Key:							
Abbreviation	Test name	Details					
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter					
MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees					
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees					
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only					
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RBSZOPOEPFDPLRM NCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RNELPOTONCDF	RangeNELPOceanTideOceanNetCDF	The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing) for surface type = ocean					
RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPFDPLRMSAR NCDF	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPFDPLRMSINN CDF	RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPFDSARNCDF	RangePeakinessExcludingPolarOPFD2SARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					

RPEPOPFDSINNCDF	RangePeakinessExcludingPolarOPFD2SINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPLRMNCDF	RangePeakinessExcludingPolarOPLRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPSARNCDF	RangePeakinessExcludingPolarOPSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPSINNCDF	RangePeakinessExcludingPolarOPSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSSBCONCDF	RangeSeaStateBiasCorrectionOceanNetCDF	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean
RSSHAOFDNCDF	RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSSHAOFDPLRMNCD 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	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node_Start_v2_NetCDF	Rel_Time_ASC_Node_Start mismatch (DBL ASC, rounded up to 0.1)
SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node_Stop_v2_NetCDF	Rel_Time_ASC_Node_Stop mismatch
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

## 7.3 Missing QCC Reports

Number of products with missing QCC reports:

L1B and L2 Product name

P2P Product name
CS\_OFFL\_SIR\_GOP\_2\_20230210T232345\_20230211T001324\_C002