

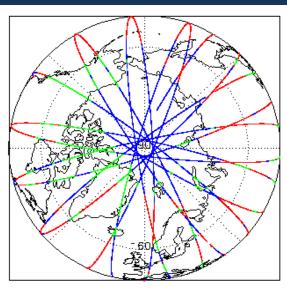
1. Overview

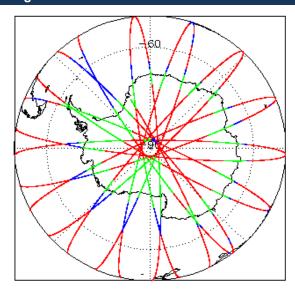
Report Production:	21-May-2021
Processor Used:	CryoSat Ocean Processor
Data Used:	Geophysical Ocean Products (GOP)

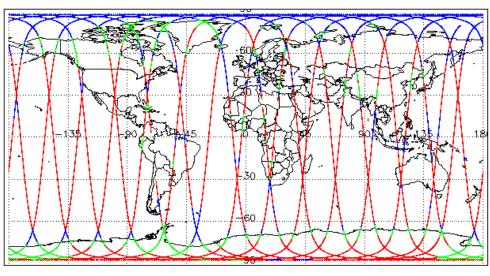
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary Correction Error Check	See Section 5.4	See Section 6.4
Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5	See Section 6.5
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 7.1 and 7.2	See Section 7.1 and 7.2

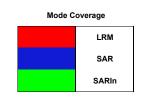
Mission / Instr	ument News
22-Apr-2021	None
23-Apr-2021	None
24-Apr-2021	Nothing planned

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

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 binary product file (.DBL).

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:

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

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:

Product Test Failed Description

CS_OFFL_SIR_GOPM1B_20210423T064859_20210423T071729_C001 Power scaling error records

CS_OFFL_SIR_GOPM1B_20210423T082217_20210423T082609_C001 Power scaling error Tesconds

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:

11

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20210423T194210_20210423T194250_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210423T013205_20210423T013504_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210423T030932_20210423T031348_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210423T082705_20210423T082909_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210423T131818_20210423T131944_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210423T163138_20210423T163627_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210423T180347_20210423T180431_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210423T211844_20210423T212012_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210423T230119_20210423T230520_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20210423T030619_20210423T030837_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20210423T084654_20210423T084852_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20210423T142305_20210423T142444_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20210423T171311_20210423T171448_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20210423T213339_20210423T213418_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 binary product file (.DBL).

Number of products with errors:

0

5.2 L2 Product Header Analysis

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

Number of products with errors:

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:

5.4 L2 Auxiliary Correction Error Check

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

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

- > ECMWF Meteo Corrections: Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric Correction, Wet Tropospheric Correction, Inverse Barometric Correction and the U-Wind and V-Wind components of the ECMWF model wind vector. This is a known anomaly (CRYO-COP-3) and will be resolved in a future IPF update. 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:

Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20210423T013205_20210423T013504_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_20210423T022745_20210423T023354_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_20210423T030932_20210423T031348_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_20210423T035824_20210423T040053_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_20210423T040719_20210423T041030_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_20210423T044822_20210423T045211_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_20210423T054809_20210423T054925_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_20210423T062317_20210423T062904_C001	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 Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20210423T085721_20210423T085846_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_20210423T090406_20210423T090714_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_20210423T103704_20210423T103924_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_20210423T104307_20210423T104639_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_20210423T121746_20210423T122020_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_20210423T131255_20210423T131416_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and 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_20210423T135316_20210423T135907_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_20210423T145224_20210423T145436_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_20210423T153513_20210423T153655_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_20210423T154534_20210423T154736_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_20210423T163138_20210423T163627_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_20210423T172332_20210423T172551_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_20210423T185546_20210423T185816_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) and the Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20210423T203412_20210423T203724_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_20210423T221158_20210423T221608_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_20210423T222141_20210423T222306_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_20210423T230119_20210423T230520_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and 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_20210422T235549_20210423T000305_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_20210423T013504_20210423T014226_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_20210423T020159_20210423T020338_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_20210423T031349_20210423T032044_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_20210423T045212_20210423T050047_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_20210423T062904_20210423T063646_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_20210423T080839_20210423T081459_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_20210423T081459_20210423T081811_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_20210423T094653_20210423T095359_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_20210423T095359_20210423T095537_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_20210423T112807_20210423T113257_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_20210423T113257_20210423T113423_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_20210423T130559_20210423T131140_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_20210423T131140_20210423T131254_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_20210423T144822_20210423T144913_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_20210423T144913_20210423T145224_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_20210423T162444_20210423T163138_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_20210423T180641_20210423T181205_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_20210423T193452_20210423T193645_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_20210423T194549_20210423T195344_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_20210423T212414_20210423T213328_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_20210423T230520_20210423T230758_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_20210423T230758_20210423T231311_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20210423T064859_20210423T071729_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOPM_2_20210423T082217_20210423T082609_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20Hz)

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

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

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

Number of products with errors: 100

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20210423T000718_20210423T001733_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_20210423T002214_20210423T002335_C001	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 set for one or more records.
CS_OFFL_SIR_GOPM_2_20210423T002343_20210423T003449_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_20210423T003600_20210423T003945_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_GOPM_2_20210423T004135_20210423T004653_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_20210423T004712_20210423T004916_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

	Ocean Altimeter Range, SSHA, SWH	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags
CS_OFFL_SIR_GOPM_2_20210423T005758_20210423T011029_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20210423T011243_20210423T012454_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_20210423T012706_20210423T012900_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_20210423T015205_20210423T020137_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_20210423T020413_20210423T021852_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_20210423T022101_20210423T022556_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_20210423T025350_20210423T025621_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_20210423T025744_20210423T030010_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_20210423T030050_20210423T030134_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_20210423T030150_20210423T030456_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_20210423T034122_20210423T035752_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_20210423T040053_20210423T040523_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_20210423T041139_20210423T043656_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_20210423T051140_20210423T053728_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_20210423T051140_20210423T053728_C001 CS_OFFL_SIR_GOPM_2_20210423T053918_20210423T054425_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set
CS_OFFL_SIR_GOPM_2_20210423T053918_20210423T054425_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set
CS_OFFL_SIR_GOPM_2_20210423T053918_20210423T054425_C001 CS_OFFL_SIR_GOPM_2_20210423T054444_20210423T054808_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocoan Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210423T053918_20210423T054425_C001 CS_OFFL_SIR_GOPM_2_20210423T054444_20210423T054808_C001 CS_OFFL_SIR_GOPM_2_20210423T055104_20210423T061843_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210423T053918_20210423T054425_C001 CS_OFFL_SIR_GOPM_2_20210423T054444_20210423T054808_C001 CS_OFFL_SIR_GOPM_2_20210423T055104_20210423T061843_C001 CS_OFFL_SIR_GOPM_2_20210423T062009_20210423T062316_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20210423T053918_20210423T054425_C001 CS_OFFL_SIR_GOPM_2_20210423T054444_20210423T054808_C001 CS_OFFL_SIR_GOPM_2_20210423T055104_20210423T061843_C001 CS_OFFL_SIR_GOPM_2_20210423T062009_20210423T062316_C001 CS_OFFL_SIR_GOPM_2_20210423T064702_20210423T064854_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20210423T053918_20210423T054425_C001 CS_OFFL_SIR_GOPM_2_20210423T054444_20210423T054808_C001 CS_OFFL_SIR_GOPM_2_20210423T055104_20210423T061843_C001 CS_OFFL_SIR_GOPM_2_20210423T062009_20210423T062316_C001 CS_OFFL_SIR_GOPM_2_20210423T064702_20210423T064854_C001 CS_OFFL_SIR_GOPM_2_20210423T064859_20210423T071729_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH 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_20210423T053918_20210423T054425_C001 CS_OFFL_SIR_GOPM_2_20210423T054444_20210423T054808_C001 CS_OFFL_SIR_GOPM_2_20210423T055104_20210423T061843_C001 CS_OFFL_SIR_GOPM_2_20210423T062009_20210423T062316_C001 CS_OFFL_SIR_GOPM_2_20210423T064702_20210423T064854_C001 CS_OFFL_SIR_GOPM_2_20210423T064859_20210423T071729_C001 CS_OFFL_SIR_GOPM_2_20210423T071904_20210423T072340_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20210423T053918_20210423T054425_C001 CS_OFFL_SIR_GOPM_2_20210423T054444_20210423T054808_C001 CS_OFFL_SIR_GOPM_2_20210423T055104_20210423T061843_C001 CS_OFFL_SIR_GOPM_2_20210423T062009_20210423T062316_C001 CS_OFFL_SIR_GOPM_2_20210423T064702_20210423T064854_C001 CS_OFFL_SIR_GOPM_2_20210423T064859_20210423T071729_C001 CS_OFFL_SIR_GOPM_2_20210423T071904_20210423T072340_C001 CS_OFFL_SIR_GOPM_2_20210423T071904_20210423T072340_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20210423T053918_20210423T054425_C001 CS_OFFL_SIR_GOPM_2_20210423T054444_20210423T054808_C001 CS_OFFL_SIR_GOPM_2_20210423T055104_20210423T061843_C001 CS_OFFL_SIR_GOPM_2_20210423T062009_20210423T062316_C001 CS_OFFL_SIR_GOPM_2_20210423T064702_20210423T064854_C001 CS_OFFL_SIR_GOPM_2_20210423T064859_20210423T071729_C001 CS_OFFL_SIR_GOPM_2_20210423T071904_20210423T072340_C001 CS_OFFL_SIR_GOPM_2_20210423T072342_20210423T072715_C001 CS_OFFL_SIR_GOPM_2_20210423T072342_20210423T072715_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20210423T053918_20210423T054425_C001 CS_OFFL_SIR_GOPM_2_20210423T054444_20210423T054808_C001 CS_OFFL_SIR_GOPM_2_20210423T055104_20210423T061843_C001 CS_OFFL_SIR_GOPM_2_20210423T062009_20210423T062316_C001 CS_OFFL_SIR_GOPM_2_20210423T064702_20210423T064854_C001 CS_OFFL_SIR_GOPM_2_20210423T064859_20210423T071729_C001 CS_OFFL_SIR_GOPM_2_20210423T071904_20210423T072340_C001 CS_OFFL_SIR_GOPM_2_20210423T072342_20210423T072715_C001 CS_OFFL_SIR_GOPM_2_20210423T073028_20210423T083108_C001 CS_OFFL_SIR_GOPM_2_20210423T073028_20210423T083108_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range, SSHA, SWH and Backscatter Quality OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range, SSHA, SWH and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_GOPM_2_20210423T084852_20210423T085629_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_20210423T085846_20210423T090406_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_20210423T090955_20210423T093215_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_20210423T093501_20210423T094410_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_20210423T095638_20210423T100033_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_20210423T100606_20210423T100622_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_20210423T101625_20210423T102111_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_20210423T102259_20210423T103541_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_20210423T104910_20210423T105508_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_20210423T105517_20210423T110239_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_20210423T110318_20210423T112134_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_20210423T113936_20210423T121047_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_20210423T122508_20210423T122646_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_20210423T122907_20210423T123520_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_20210423T125116_20210423T125809_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_20210423T131416_20210423T131818_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_20210423T131954_20210423T132538_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_20210423T132634_20210423T133521_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_20210423T134140_20210423T135316_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_20210423T135907_20210423T140129_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_20210423T140201_20210423T140623_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_20210423T140814_20210423T141510_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_20210423T141620_20210423T142304_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_20210423T142444_20210423T144000_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_20210423T150139_20210423T150452_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_20210423T150623_20210423T150849_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.

Part	CS_OFFL_SIR_GOPM_2_20210423T151012_20210423T151500_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
15_0071_98_00792_201942715403 221042717403 CBI 15_0071_98_00792_201942715403 221042717411 CBI 15_0071_98_00792_201942715403_201942717411 CBI 15_0071_98_00792_201942715403_201942717411 CBI 15_0071_98_00792_201942715403_201942717411 CBI 15_0071_98_00792_201942715403_201942717411 CBI 15_0071_98_00792_201942715403_201942717411 CBI 15_0071_98_00792_201942717403_201942717404_CBI 15_0071_98_00792_201942717404_CBI 15_00792_201942717404_CBI 15_00792_20	00_01, 1_011_0010001		
Description Control (1997) Description Co	CS_OFFL_SIR_GOPM_2_20210423T151757_20210423T153406_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
SC. GPFL_SR_GDPM_2_2010425114609_0010437114010_0011 SC. GPFL_SR_GDPM_2_2010425114609_00104271171410_0011 CS. GPFL_SR_GDPM_2_2010425114609_00104271171410_0011 CS. GPFL_SR_GDPM_2_20104201171609_00104271171410_0011 CS. GPFL_SR_GDPM_2_20104201171609_00104271171410_0011 CS. GPFL_SR_GDPM_2_20104201171609_00104271171410_0011 CS. GPFL_SR_GDPM_2_20104201171609_00104271171410_0011 CS. GPFL_SR_GDPM_2_20104201171609_00104271171410_0011 CS. GPFL_SR_GDPM_2_20104201171609_001041 CS. GPFL_SR_GDPM_2_20104201171609_00104201171609_001041 CS. GPFL_SR_GDPM_2_20104201171609_00104171609_001041 CS. GPFL_SR_GDPM_2_20104201171609_00104201171609_00104171609_00104201171609_00104171609_00104171609_00104171609_00104171609_00104171609_00104171609_00104171609_00104171609_00104171609_00104171609_00104171609_00104171609_00104171609_00104171609_00104171609_0010417609_0010417609_0010417609_0010417609_0010417609_0010417609_0010417609_0010417609_0010417609_0010417609_0010417609_0010417609_0010417609_0010417609_0010417609_0010417609_0010417609_001041	CS_OFFL_SIR_GOPM_2_20210423T153655_20210423T154533_C001		
SC GFFL SRF, GOPM, 2 20219423117694 20219423117695 C019 CS GFFL SRF, GOPM, 2 20219423117694 20219423117696 C019 CS GFFL SRF, GOPM, 2 20219423117696 20219423117696 C019 CS GFFL SRF, GOPM, 2 202194231176960, 202194231176976 C019 CS GFFL SRF, GOPM, 2 202194231176961, 202194231176976 C019 CS GFFL SRF, GOPM, 2 202194231176961, 202194231176976 C019 CS GFFL SRF, GOPM, 2 202194231176961, 202194231176976 C019 CS GFFL SRF, GOPM, 2 20219423116961, 20219423	CS_OFFL_SIR_GOPM_2_20210423T154751_20210423T161029_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Seg. OFFE_SIR_DOPM_2_7010423117364_78210423117364_C001 CR_OFFE_SIR_DOPM_2_7010423117364_78210423117364_C001 CR_OFFE_SIR_DOPM_2_7010423117364_78210423117364_C001 CR_OFFE_SIR_DOPM_2_7010423117364_78210423117364_C001 CR_OFFE_SIR_DOPM_2_7010423117364_78210423117364_C001 CR_OFFE_SIR_DOPM_2_7010423117364_78210423117364_C001 CR_OFFE_SIR_DOPM_2_7010423117364_78210423118264_C001 CR_OFFE_SIR_DOPM_2_7010423117364_78210423118264_C001 CR_OFFE_SIR_DOPM_2_7010423117364_78210423118264_C001 CR_OFFE_SIR_DOPM_2_7010423118681_78210423118264_C001 CR_OFFE_SIR_DOPM_2_7010423118681_78210423118684_C001 CR_OFFE_SIR_DOPM_2_7010423118681_78210423118684_C001 CR_OFFE_SIR_DOPM_2_7010423118681_78210423118684_C001 CR_OFFE_SIR_DOPM_2_7010423118681_78210423118684_C001 CR_OFFE_SIR_DOPM_2_7010423118681_78010423118644_C001 CR_OFFE_SIR_DOPM_2_7010423118681_78010423118644_C001 CR_OFFE_SIR_DOPM_2_7010423118644_T0010423118644_C001 CR_OFFE_SIR_DOPM_2_7010423118644_T001042311864	CS_OFFL_SIR_GOPM_2_20210423T164938_20210423T171311_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
68_0FFL_SR_GOPM_2_202104231176140_2011 68_0FFL_SR_GOPM_2_20210423116240_20210423116515_0021 68_0FFL_SR_GOPM_2_20210423116240_20210423116515_0021 68_0FFL_SR_GOPM_2_20210423116240_20210423116240_0021 68_0FFL_SR_GOPM_2_20210423116044_20210423110516_0021 68_0FFL_SR_GOPM_2_20210423116046_20210423110516_0021 68_0FFL_SR_GOPM_2_20210423116046_202104231105_0021 68_0FFL_SR_GOPM_2	CS_OFFL_SIR_GOPM_2_20210423T171859_20210423T172331_C001		
Sc. OFFL, SIR, GOPM 2, 20210423119240, 20210423119315 COOR Affirmetic Range and Backscatter Quality Flags have been self-or one or one recents. CS. OFFL, SIR, GOPM 2, 20210423119240, 20210423119341, 20210423119341, 2021	CS_OFFL_SIR_GOPM_2_20210423T172644_20210423T173140_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Badaceater Quality, COCG Affinisher Range and Backcaster Quality Flags have been self to one or more records. CS_OFFL_SIR_GOPM_2_20210423T190545_20110423T190496_CO11 CS_OFFL_SIR_GOPM_2_20210423T190545_20110423T190346_CO11 CS_OFFL_SIR_GOPM_2_20210423T190545_20110423T190346_CO11 CS_OFFL_SIR_GOPM_2_20210423T190545_20110423T190346_CO11 CS_OFFL_SIR_GOPM_2_20210423T190545_20110423T190046_CO11 CS_OFFL_SIR_GOPM_2_20210423T190545_20110423T104110_CO11 CS_OFFL_SIR_GOPM_2_20210423T190545_20110423T104110_CO11 CS_OFFL_SIR_GOPM_2_20210423T190545_20110423T104110_CO11 CS_OFFL_SIR_GOPM_2_20210423T190545_20110423T104241_CO11 CS_OFFL_SIR_GOPM_2_20210423T104241_201110_C011 CS_OFFL_SIR_GOPM_2_20210423T2104241_C01110_C011 CS_OFFL_SIR_GOPM_2_20210423T2104241_C01110_C011 CS_OFFL_SIR_GOPM_2_20210423T2104241_C01110_C011 CS_OFFL_SIR_GOPM_2_20210423T2104241_C01110_C011 CS_OFFL_SIR_GOPM_2_20210423T2104241_C01110_C011 CS_OFFL_SIR_GOPM_2_20210423T2104241_C01110_C011 CS_OFFL_SIR_GOPM_2_20210423T2104241_C01110_C011 CS_OFFL_SIR_GOPM_2_20210423T2104241_C01110_C011 CS_OFFL_SIR_GOPM_2_20210423T210421_C0110423T210421_C0111 CS_OFFL_SIR_GOPM_2_20210423T210421_C0110423T210421_C0111 CS_OFFL_SIR_GOPM_2_20210423T210421_C0110423T210421_C0111 CS_OFFL_SIR_GOPM_2_20210423T210421_C0110423T210401_C011 CS_OFFL_SIR_GOPM_2_20210423T210421_C0110423T210401_C011 CS_OFFL_SIR_GOPM_2_20210423T210421_C0110423T22440_C011 CS_OFFL_SIR_GOPM_2_20210423T210421_C0110423T22440_C011 CS_OFFL_	CS_OFFL_SIR_GOPM_2_20210423T173158_20210423T175151_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Causily CS_OFFL_SIR_GOPM_2_20210423T190544_20210423T192746_0001 CS_OFFL_SIR_GOPM_2_20210423T193304_CO01 CS_OFFL_SIR_GOPM_2_20210423T193304_CO01 CS_OFFL_SIR_GOPM_2_20210423T193031_20210423T193004_CO01 CS_OFFL_SIR_GOPM_2_20210423T193031_20210423T194004_CO01 CS_OFFL_SIR_GOPM_2_20210423T193031_20210423T194004_CO01 CS_OFFL_SIR_GOPM_2_20210423T19309_20210423T194004_CO01 CS_OFFL_SIR_GOPM_2_20210423T19309_20210423T194104_CO01 CS_OFFL_SIR_GOPM_2_20210423T19309_20210423T1941004 CS_OFFL_SIR_GOPM_2_20210423T19309_20210423T29110_CO01 CS_OFFL_SIR_GOPM_2_20210423T19309_20210423T29110_CO01 CS_OFFL_SIR_GOPM_2_20210423T19409_20210423T29110_CO01 CS_OFFL_SIR_GOPM_2_20210423T19409_20210423T29110_CO01 CS_OFFL_SIR_GOPM_2_20210423T204721_CO01 CS_OFFL_SIR_GOPM_2_20210423T204721_CO01 CS_OFFL_SIR_GOPM_2_20210423T204721_CO01 CS_OFFL_SIR_GOPM_2_20210423T204721_CO01 CS_OFFL_SIR_GOPM_2_20210423T20423T204721_CO01 CS_OFFL_SIR_GOPM_2_20210423T21040_CO01 CS_OFFL_SIR_GOPM_2_20210423T21040_CO010423T21410_CO01 CCS_OFFL_SIR_GOPM_2_20210423T214061_20210423T21410_CO01 CCS_OFFL_SIR_GOPM_2_20210423T214061_20210423T22141_CO01 CCS_OFFL_SIR_GOPM_2_20210423T214061_20210423T22141_CO01 CCS_OFFL_SIR_GOPM_2_20210423T214061_20210423T21440_CO01 CCS_OFFL_SIR_GOPM_2_20210423T214061_20210423T221041_CO01 CCS_OFFL_SIR_GOPM_2_20210423T214061_20210423T221041_CO01 CCS_OFFL_SIR_GOPM_2_20210423T214061_20210423T221041_CO01 CCS_OFFL_SIR_GOPM_2_20210423T214061_20210423T221041_CO01 CCS_OFFL_SIR_GOPM_2_20210423T214061_20210423T221041_CO01 CCS_OFFL_SIR_GOPM_2_20210423T214061_20210423T221041_CO01 CCS_OFFL_SIR_GOPM_2_202104	CS_OFFL_SIR_GOPM_2_20210423T182450_20210423T185218_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and backscater Quality, OCOS Alterneter Range and Backscater Quality Plags have been and be COCO Alterneter Range and Backscater Quality Plags have been and be COCO Alterneter Range and Backscater Quality Plags have been set for concern or correct or co	CS_OFFL_SIR_GOPM_2_20210423T185817_20210423T190409_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more secords. CS_OFFL_SIR_GOPM_2_20210423T193631_20210423T194004_C001 CS_OFFL_SIR_GOPM_2_20210423T194309_20210423T194012_C001 CS_OFFL_SIR_GOPM_2_20210423T194309_20210423T194012_C001 CS_OFFL_SIR_GOPM_2_20210423T194309_20210423T203119_C001 CS_OFFL_SIR_GOPM_2_20210423T204331_20210423T204241_C001 CS_OFFL_SIR_GOPM_2_20210423T204331_20210423T204241_C001 CS_OFFL_SIR_GOPM_2_20210423T204331_20210423T204241_C001 CS_OFFL_SIR_GOPM_2_20210423T204331_20210423T204241_C001 CS_OFFL_SIR_GOPM_2_20210423T204331_20210423T204721_C001 CS_OFFL_SIR_GOPM_2_20210423T204331_20210423T204721_C001 CS_OFFL_SIR_GOPM_2_20210423T21014_20210423T204721_C001 CS_OFFL_SIR_GOPM_2_20210423T21014_20210423T2143_C001 CS_OFFL_SIR_GOPM_2_20210423T21014_20210423T2143_C001 CS_OFFL_SIR_GOPM_2_20210423T21014_20210423T2143_C001 CS_OFFL_SIR_GOPM_2_20210423T21014_20210423T2143_C001 CS_OFFL_SIR_GOPM_2_20210423T21014_20210423T2143_C001 CS_OFFL_SIR_GOPM_2_20210423T21014_20210423T2143_C001 CS_OFFL_SIR_GOPM_2_20210423T21014_20210423T2143_C001 CS_OFFL_SIR_GOPM_2_20210423T21012_20210423T2143_C001 CS_OFFL_SIR_GOPM_2_20210423T21014_20210423T2143_C001 CS_OFFL_SIR_GOPM_2_20210423T210014_20210423T2143_C001 CS_OFFL_SIR_GOPM_2_20210423T210014_20210423T2143_C001 CS_OFFL_SIR_GOPM_2_20210423T210014_20210423T2143_C001 CS_OFFL_SIR_GOPM_2_20210423T210014_20210423T214530_C001 CS_OFFL_SIR_GOPM_2_20210423T210014_20210423T214500_C001 CS_OFFL_SIR_GOPM_2_20210423T210014_20210423T22144_C001 CS_OFFL_SIR_GOPM_2_20210423T210014_20210423T22144_C001 CS_OFFL_SIR_GOPM_2_20210423T210014_20210423T22144_C001 CS_OFFL_SIR_GOPM_2_20210423T221001_20210423T22144_C001 CS_OFFL_SIR_GOPM_2_20210423T221001_20210423T22144_C001 CS_OFFL_SIR_GOPM_2_20210423T221001_20210423T22144_C001 CS_OFFL_SIR_GOPM_2_20210423T221001_20210423T22144_C001 CS_OFFL_SIR_GOPM_2_20210423T221001_20210423T22144_C001 CS_OFFL_SIR_GOPM_2_20210423T221001_20210423T22144_C001 CS_OFFL_SIR_GOPM_2_20210423T221001_	CS_OFFL_SIR_GOPM_2_20210423T190544_20210423T192745_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Sackscatter Quality CS_OFFL_SIR_GOPM_2_20210423T194309_20210423T194412_C001 CS_OFFL_SIR_GOPM_2_20210423T194309_20210423T203119_C001 CS_OFFL_SIR_GOPM_2_20210423T195643_20210423T203119_C001 CS_OFFL_SIR_GOPM_2_20210423T203724_20210423T204241_C001 CS_OFFL_SIR_GOPM_2_20210423T203724_20210423T204241_C001 CS_OFFL_SIR_GOPM_2_20210423T203724_20210423T204241_C001 CS_OFFL_SIR_GOPM_2_20210423T203724_20210423T21152_C001 CS_OFFL_SIR_GOPM_2_20210423T21014_20210423T21152_C001 CS_OFFL_SIR_GOPM_2_20210423T21014_20210423T21152_C001 CS_OFFL_SIR_GOPM_2_20210423T21014_20210423T21152_C001 CS_OFFL_SIR_GOPM_2_20210423T21014_20210423T214530_C001 CS_OFFL_SIR_GOPM_2_20210423T2100423T210423T214530_C001 CS_OFFL_SIR_GOPM_2_20210423T2100423T210423T214530_C001 CS_OFFL_SIR_GOPM_2_20210423T2100423T210423T214530_C001 CS_OFFL_SIR_GOPM_2_20210423T2100423T210423T214530_C001 CS_OFFL_SIR_GOPM_2_20210423T2100423T210423T214530_C001 CS_OFFL_SIR_GOPM_2_20210423T2100423T210423T214530_C001 CS_OFFL_SIR_GOPM_2_20210423T212002_20210423T214530_C001 CS_OFFL_SIR_GOPM_2_20210423T212002_20210423T212103_C001 CS_OFFL_SIR_GOPM_2_20210423T212002_20210423T212103_C001 CS_OFFL_SIR_GOPM_2_20210423T212002_20210423T212103_C001 CS_OFFL_SIR_GOPM_2_20210423T212002_20210423T212103_C001 CS_OFFL_SIR_GOPM_2_20210423T212002_20210423T22104_C001 CS_OFFL_SIR_GOPM_2_20210423T221002_20210423T22104_C001 CS_OFFL_SIR_GOPM_2_20210423T221002_20210423T22104_C001 CS_OFFL_SIR_GOPM_2_20210423T221002_20210423T22104_C001 CS_OFFL_SIR_GOPM_2_20210423T222002_20210423T22104_C001 CS_OFFL_SIR_GOPM_2_20210423T222002_20210423T22104_C001 CS_OFFL_SIR_GOPM_2_20210423T222304_C001 CS_OFFL_SIR_GOPM_2_20210423T222304_C001 CS_OFFL_SIR_GOPM_2_20210423T222304_C001 CS_OFFL_SIR_GOPM_2_20210423T222304_C001 CS_OFFL_SIR_GOPM_2_20210423T222304_C001 CS_OFFL_SIR_GOPM_2_20210423T222304_C001 CS_OFFL_SIR_GOPM_2_20210423T222304_C001 CS_OFFL_SIR_GOPM_2_20210423T222304_C001 CS_OFFL_SIR_GOPM_2_20210423T222304_C0010423T222304_C001 CS_OFFL_SIR_GOPM_2_20210423T22304_C0010423T222304_C001 CS_OFFL_	CS_OFFL_SIR_GOPM_2_20210423T192815_20210423T193304_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been add then ocor one records. CS_OFFL_SIR_GOPM_2_20210423T195643_20210423T203119_C001 CS_OFFL_SIR_GOPM_2_20210423T203724_20210423T204241_C001 CS_OFFL_SIR_GOPM_2_20210423T203724_20210423T204241_C001 CS_OFFL_SIR_GOPM_2_20210423T203724_20210423T204241_C001 CS_OFFL_SIR_GOPM_2_20210423T20423T20423T20421152_C001 CS_OFFL_SIR_GOPM_2_20210423T20423T201423T201423T201423T201423T20101 CS_OFFL_SIR_GOPM_2_20210423T21014_20210423T21152_C001 CS_OFFL_SIR_GOPM_2_20210423T21012_20210423T21152_C001 CS_OFFL_SIR_GOPM_2_20210423T21012_20210423T21152_C001 CS_OFFL_SIR_GOPM_2_20210423T21012_20210423T212413_C001 CS_OFFL_SIR_GOPM_2_20210423T21012_20210423T21243_C001 CS_OFFL_SIR_GOPM_2_20210423T21012_20210423T21243_C001 CS_OFFL_SIR_GOPM_2_20210423T21012_20210423T21243_C001 CS_OFFL_SIR_GOPM_2_20210423T21012_20210423T21243_C001 CS_OFFL_SIR_GOPM_2_20210423T210012_20210423T21243_C001 CS_OFFL_SIR_GOPM_2_20210423T210012_20210423T21243_C001 CS_OFFL_SIR_GOPM_2_20210423T21406_20210423T21043_C001 CS_OFFL_SIR_GOPM_2_20210423T21406_20210423T21043_C001 CS_OFFL_SIR_GOPM_2_20210423T21406_20210423T21043_C001 CS_OFFL_SIR_GOPM_2_20210423T21406_20210423T21043_C001 CS_OFFL_SIR_GOPM_2_20210423T21406_20210423T221043_C001 CS_OFFL_SIR_GOPM_2_20210423T21406_20210423T221043_C001 CS_OFFL_SIR_GOPM_2_20210423T212109_20210423T221043_C001 CS_OFFL_SIR_GOPM_2_20210423T22109_20210423T221043_C001 CS_OFFL_SIR_GOPM_2_20210423T22109_20210423T221043_C001 CS_OFFL_SIR_GOPM_2_20210423T22109_20210423T221043_C001 CS_OFFL_SIR_GOPM_2_20210423T22109_20210423T221043_C001 CS_OFFL_SIR_GOPM_2_20210423T22109_20210423T221043_C001 CCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210423T221042_0010423T221045_C001 CCGG Altimeter Range Cuality, CCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210423T22344_20210423T223445_C001 CCGG Altimeter Range and Backscatt	CS_OFFL_SIR_GOPM_2_20210423T193831_20210423T194004_C001		
and Backscatter Quality COG Allimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210423T203724_20210423T204241_C001 CS_OFFL_SIR_GOPM_2_20210423T203724_20210423T204721_C001 CS_OFFL_SIR_GOPM_2_20210423T20431_20210423T204721_C001 CS_OFFL_SIR_GOPM_2_20210423T20431_20210423T204721_C001 CS_OFFL_SIR_GOPM_2_20210423T21014_20210423T211152_C001 CS_OFFL_SIR_GOPM_2_20210423T211014_20210423T21152_C001 CS_OFFL_SIR_GOPM_2_20210423T211014_20210423T21152_C001 CS_OFFL_SIR_GOPM_2_20210423T21012_20210423T212413_C001 CS_OFFL_SIR_GOPM_2_20210423T21012_20210423T212413_C001 CS_OFFL_SIR_GOPM_2_20210423T21012_20210423T212413_C001 CS_OFFL_SIR_GOPM_2_20210423T213651_20210423T214530_C001 CS_OFFL_SIR_GOPM_2_20210423T214816_20210423T21034_C001 CS_OFFL_SIR_GOPM_2_20210423T214816_20210423T221034_C001 CS_OFFL_SIR_GOPM_2_20210423T21734_20210423T221034_C001 CS_OFFL_SIR_GOPM_2_20210423T21734_20210423T221034_C001 CS_OFFL_SIR_GOPM_2_20210423T21734_20210423T222141_C001 CS_OFFL_SIR_GOPM_2_20210423T21734_20210423T222141_C001 CS_OFFL_SIR_GOPM_2_20210423T21734_20210423T222141_C001 CS_OFFL_SIR_GOPM_2_20210423T21734_20210423T222141_C001 CS_OFFL_SIR_GOPM_2_20210423T21734_20210423T222141_C001 CS_OFFL_SIR_GOPM_2_20210423T221734_20210423T222141_C001 CS_OFFL_SIR_GOPM_2_20210423T221734_20210423T222141_C001 CS_OFFL_SIR_GOPM_2_20210423T221734_20210423T222141_C001 CS_OFFL_SIR_GOPM_2_20210423T221734_20210423T222141_C001 CS_OFFL_SIR_GOPM_2_20210423T222341_20210423T222346_C001 CS_OFFL_SIR_GOPM_2_20210423T223341_20210423T222346_C001 CS_OFFL_SIR_GOPM_2_20210423T223341_20210423T2224452_C001 CS_OFFL_SIR_GOPM_2_20210423T223341_20210423T2224452_C001 CS_OFFL_SIR_GOPM_2_20210423T223341_20210423T2224452_C001 CS_OFFL_SIR_GOPM_2_20210423T223341_20210423T2224452_C001 CS_OFFL_SIR_GOPM_2_20210423T223341_20210423T223346_C001 CS_OFFL_SIR_GOPM_2_20210423T223341_20210423T223346_C001 CS_OFFL_SIR_GOPM_2_20210423T223341_20210423T2234452_C001 CS_OFFL_SIR_GOPM_2_20210423T223341_20210423T2234452_C001 CS_O	CS_OFFL_SIR_GOPM_2_20210423T194309_20210423T194412_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality GS_OFFL_SIR_GOPM_2_20210423T204431_20210423T204721_CO01 CS_OFFL_SIR_GOPM_2_20210423T211014_20210423T211152_CO01 CS_OFFL_SIR_GOPM_2_20210423T211014_20210423T211152_CO01 CS_OFFL_SIR_GOPM_2_20210423T211014_20210423T211152_CO01 CS_OFFL_SIR_GOPM_2_20210423T212012_20210423T21135_CO01 CS_OFFL_SIR_GOPM_2_20210423T212012_20210423T212413_CO01 CS_OFFL_SIR_GOPM_2_20210423T212012_20210423T21243_CO01 CS_OFFL_SIR_GOPM_2_20210423T213651_20210423T21430_CO01 CS_OFFL_SIR_GOPM_2_20210423T214816_20210423T21430_CO01 CS_OFFL_SIR_GOPM_2_20210423T214816_20210423T221034_CO01 CS_OFFL_SIR_GOPM_2_20210423T214816_20210423T221034_CO01 CS_OFFL_SIR_GOPM_2_20210423T214816_20210423T221034_CO01 CS_OFFL_SIR_GOPM_2_20210423T214816_20210423T221034_CO01 CS_OFFL_SIR_GOPM_2_20210423T214816_20210423T221034_CO01 CS_OFFL_SIR_GOPM_2_20210423T214816_20210423T221034_CO01 CS_OFFL_SIR_GOPM_2_20210423T214816_20210423T221034_CO01 CS_OFFL_SIR_GOPM_2_20210423T214816_20210423T221034_CO01 CS_OFFL_SIR_GOPM_2_20210423T214816_20210423T221034_CO01 CS_OFFL_SIR_GOPM_2_20210423T221609_20210423T221727_CO01 CS_OFFL_SIR_GOPM_2_20210423T221734_20210423T222141_CO01 CS_OFFL_SIR_GOPM_2_20210423T222341_20210423T222141_CO01 CS_OFFL_SIR_GOPM_2_20210423T222341_20210423T222141_CO01 CS_OFFL_SIR_GOPM_2_20210423T222341_20210423T222341_CO01 CS_OFFL_SIR_GOPM_2_20210423T222341_20210423T222341_CO01 CS_OFFL_SIR_GOPM_2_20210423T222341_20210423T222341_CO01 CS_OFFL_SIR_GOPM_2_20210423T222341_20210423T222341_CO01 CS_OFFL_SIR_GOPM_2_20210423T222341_20210423T2223452_CO01 CS_OFFL_SIR_GOPM_2_20210423T223341_20210423T2234452_CO01 CS_OFFL_SIR_GOPM_2_20210423T223341_20210423T2234452_CO01 CS_OFFL_SIR_GOPM_2_20210423T223341_20210423T2234452_CO01 CS_OFFL_SIR_GOPM_2_20210423T223341_20210423T2234452_CO01 CS_OFFL_SIR_GOPM_2_20210423T223341_20210423T2234452_CO01 CS_OFFL_SIR_GOPM_2_20210423T223341_20210423T2234452_CO01 CS_OFFL_SIR_GOPM_2_20210423T223341_20210423T2234452_CO01 CS_OFFL_SIR_GOPM_2_20210423T223341_20210423T2234452_CO01 CS_OFFL_SIR_GOPM_2_202104	CS_OFFL_SIR_GOPM_2_20210423T195643_20210423T203119_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, COCG Allimeter Range and Backscatter Quality Flags have been Allimeter Range and Backscatter Quality Flags Allimeter Range and Backscatter Quality Allimeter Range and Backsc	CS_OFFL_SIR_GOPM_2_20210423T203724_20210423T204241_C001		
CS_OFFL_SIR_GOPM_2_20210423T211014_20210423T21413_CO01 Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA_SWH and Backscatter Quality Flags have been Altimeter Range, SSHA_SWH and Backscatter Quality Flags have been Altimeter Range, SSHA_SWH and Backscatter Quality Flags have been Altimeter Range, SSHA_SWH and Backscatter Quality Flags have been Altimeter Range, SSHA_SWH and Backscatter Quality Flags have been Altimeter Range, SSHA_SWH and Backscatter Quality Flags have been Altimeter Range, SSHA_SWH and Backscatter Quality Flags have been Altimeter Range, SSHA_SWH and Backscatter Quality Flags have been Altimeter Range, SSHA_SWH and Backscatter Quality Flags have been SET OFFL_SIR_GOPM_2_20210423T221609_20210423T221034_CO01 CS_OFFL_SIR_GOPM_2_20210423T221609_20210423T221777_CO01 CS_OFFL_SIR_GOPM_2_20210423T221734_20210423T222141_CO01 CS_OFFL_SIR_GOPM_2_20210423T222341_20210423T222141_CO01 CS_OFFL_SIR_GOPM_2_20210423T222341_20210423T222341_CO01 CS_OFFL_SIR_GOPM_2_20210423T223341_20210423T2223452_CO01 CS_OFFL_SIR_GOPM_2_20210423T223341_20210423T224452_CO01 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224452_CO01 CS_OFFL_SIR_GOPM_	CS_OFFL_SIR_GOPM_2_20210423T204431_20210423T204721_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality and Backscatter Quality CS_OFFL_SIR_GOPM_2_20210423T213651_20210423T2214530_C001 CS_OFFL_SIR_GOPM_2_20210423T214816_20210423T221034_C001 CS_OFFL_SIR_GOPM_2_20210423T221609_20210423T221727_C001 CS_OFFL_SIR_GOPM_2_20210423T221609_20210423T221727_C001 CS_OFFL_SIR_GOPM_2_20210423T221734_20210423T222141_C001 CS_OFFL_SIR_GOPM_2_20210423T221734_20210423T222141_C001 CS_OFFL_SIR_GOPM_2_20210423T222341_20210423T222141_C001 CS_OFFL_SIR_GOPM_2_20210423T222341_20210423T222141_C001 CS_OFFL_SIR_GOPM_2_20210423T222341_20210423T222341_C001 CS_OFFL_SIR_GOPM_2_20210423T222341_20210423T2223646_C001 CS_OFFL_SIR_GOPM_2_20210423T222341_20210423T223646_C001 CS_OFFL_SIR_GOPM_2_20210423T223334_20210423T223646_C001 CS_OFFL_SIR_GOPM_2_20210423T223334_20210423T2234452_C001 CS_OFFL_SIR_GOPM_2_20210423T223334_20210423T223646_C001 CS_OFFL_SIR_GOPM_2_20210423T223334_20210423T223646_C001 CS_OFFL_SIR_GOPM_2_20210423T223334_20210423T223646_C001 CS_OFFL_SIR_GOPM_2_20210423T223334_20210423T223646_C001 CS_OFFL_SIR_GOPM_2_20210423T223334_20210423T223646_C001 CS_OFFL_SIR_GOPM_2_20210423T223341_20210423T223646_C001 CS_OFFL_SIR_GOPM_2_20210423T2234455_20210423T223645_C001 CS_OFFL_SIR_GOPM_2_20210423T223645_20210423T223645_C001 CS_OFFL_SIR_GOPM_2_20210423T223645_20210423T223645_C001 CS_OFFL_SIR_GOPM_2_20210423T223645_20210423T223645_C001 CS_OFFL_SIR_GOPM_2_20210423T223645_20210423T223645_C001 CS_OFFL_SIR_GOPM_2_20210423T223645_20210423T223645_C001 CS_OFFL_SIR_GOPM_2_20210423T223645_20210423T223645_C001 CS_OFFL_SIR_GOPM_2_20210423T223645_20210423T223645_2001 CCG_Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210423T223645_20210423T223645_20210423T22455_202104	CS_OFFL_SIR_GOPM_2_20210423T211014_20210423T211152_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210423T2214816_20210423T221034_C001 CS_OFFL_SIR_GOPM_2_20210423T221609_20210423T221727_C001 CS_OFFL_SIR_GOPM_2_20210423T221609_20210423T221727_C001 CS_OFFL_SIR_GOPM_2_20210423T221609_20210423T221727_C001 CS_OFFL_SIR_GOPM_2_20210423T221734_20210423T222141_C001 CS_OFFL_SIR_GOPM_2_20210423T221734_20210423T222141_C001 CS_OFFL_SIR_GOPM_2_20210423T222341_20210423T222341_C001 CS_OFFL_SIR_GOPM_2_20210423T22341_20210423T223646_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T223646_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224452_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224452_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224452_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224452_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224452_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224533_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224533_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224533_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224533_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224533_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224533_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T223834_20210423T224533_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224533_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224533_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224533_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224533_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224533_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224533_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224533_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T223834_20210423T224553_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224553_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T2238452_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T2238452_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T223834_20210423T224553_C001	CS_OFFL_SIR_GOPM_2_20210423T212012_20210423T212413_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210423T221609_20210423T221727_C001 CS_OFFL_SIR_GOPM_2_20210423T221734_20210423T22141_C001 CS_OFFL_SIR_GOPM_2_20210423T221734_20210423T222141_C001 CS_OFFL_SIR_GOPM_2_20210423T222341_20210423T2223646_C001 CS_OFFL_SIR_GOPM_2_20210423T222341_20210423T223646_C001 CS_OFFL_SIR_GOPM_2_20210423T222341_20210423T2224452_C001 CS_OFFL_SIR_GOPM_2_20210423T2223834_20210423T224452_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224452_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224452_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224452_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224453_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224453_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224453_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224453_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224453_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224453_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224453_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224453_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224453_C001 CCS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224453_C001 CCS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224453_C001 CCS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224453_C001 CCS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224453_C001 CCS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224453_C001 CCS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224453_C001 CCS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224453_C001 CCS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224453_C001 CCS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224453_C001 CCCS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224453_C001 CCCS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224453_C001 CCCS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224453_C001 CCCS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224453_C001 CCCS_OFFL_SIR_GOPM_2_20210423T224455_20210423T224453_C001 CCCCS_OFFL_SIR_GOPM_2_202104	CS_OFFL_SIR_GOPM_2_20210423T213651_20210423T214530_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPM_2_20210423T221734_20210423T222141_C001 CS_OFFL_SIR_GOPM_2_20210423T222341_20210423T222141_C001 CS_OFFL_SIR_GOPM_2_20210423T222341_20210423T223646_C001 CS_OFFL_SIR_GOPM_2_20210423T222341_20210423T223646_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T223646_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224452_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224452_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224452_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224452_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224452_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224452_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224452_C001 CS_OFFL_SIR_GOPM_2_20210423T224455_20210423T224452_C001 CS_OFFL_SIR_GOPM_2_20210423T224455_20210423T224452_C001 CS_OFFL_SIR_GOPM_2_20210423T224455_20210423T224452_C001 CS_OFFL_SIR_GOPM_2_20210423T224455_20210423T224452_C001 CS_OFFL_SIR_GOPM_2_20210423T224455_20210423T224452_C001 CS_OFFL_SIR_GOPM_2_20210423T224455_20210423T224452_C001 CS_OFFL_SIR_GOPM_2_20210423T224455_20210423T224452_C001 CS_OFFL_SIR_GOPM_2_20210423T224455_20210423T22453_C001 CS_OFFL_SIR_GOPM_2_20210423T224455_20210423T22453_C001 CS_OFFL_SIR_GOPM_2_20210423T224455_20210423T22453_C001 CS_OFFL_SIR_GOPM_2_20210423T224455_20210423T22453_C001 CS_OFFL_SIR_GOPM_2_20210423T224455_20210423T22453_C001 CS_OFFL_SIR_GOPM_2_20210423T224455_20210423T22453_C001 CS_OFFL_SIR_GOPM_2_20210423T224455_20210423T22455_20010423T22455_2	CS_OFFL_SIR_GOPM_2_20210423T214816_20210423T221034_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPM_2_20210423T22341_20210423T223646_C001 CS_OFFL_SIR_GOPM_2_20210423T22341_20210423T223646_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T223646_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224452_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224452_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224452_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224452_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224452_C001 CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224452_C001 CS_OFFL_SIR_GOPM_2_20210423T224455_20210423T224543_C001 CCGA Altimeter Range Quality, OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set	CS_OFFL_SIR_GOPM_2_20210423T221609_20210423T221727_C001		
CS_OFFL_SIR_GOPM_2_20210423T222341_20210423T223646_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG 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. OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPM_2_20210423T221734_20210423T222141_C001		
CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224452_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210423T224455_20210423T224543_C001 CS_OFFL_SIR_GOPM_2_20210423T224455_20210423T224543_C001 CS_OFFL_SIR_GOPM_2_20210423T224455_20210423T224543_C001	CS_OFFL_SIR_GOPM_2_20210423T222341_20210423T223646_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_GOPM_2_20210423T223834_20210423T224452_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_GOPM_2_20210423T224455_20210423T224543_C001		

CS_OFFL_SIR_GOPM_2_20210423T224627_20210423T225109_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_20210423T231629_20210423T234904_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_20210423T235111_20210423T235626_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_20210423T235646_20210423T235932_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_GOPN_2_20210423T082034_20210423T082156_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_GOPN_2_20210423T084620_20210423T084624_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_GOPN_2_20210423T100554_20210423T100606_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_GOPN_2_20210423T145553_20210423T145821_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_GOPN_2_20210423T203412_20210423T203724_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_GOPN_2_20210423T224543_20210423T224627_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_GOPR_2_20210423T005611_20210423T005758_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_GOPR_2_20210423T022556_20210423T022558_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_GOPR_2_20210423T122839_20210423T122907_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_GOPR_2_20210423T203120_20210423T203412_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_GOPR_2_20210423T211153_20210423T211507_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_GOPR_2_20210423T225109_20210423T225815_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (20Hz PLRM)

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20210423T003957_20210423T004135_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_20210423T013205_20210423T013504_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_20210423T014815_20210423T015205_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_20210423T022745_20210423T023354_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_20210423T030932_20210423T031348_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_20210423T033022_20210423T033244_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20210423T050759_20210423T051139_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_20210423T054809_20210423T054925_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_20210423T062317_20210423T062904_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_20210423T080455_20210423T080628_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_20210423T080704_20210423T080839_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_20210423T082034_20210423T082156_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_20210423T085721_20210423T085846_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_20210423T104307_20210423T104639_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_20210423T121746_20210423T122020_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_20210423T122214_20210423T122508_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_20210423T122647_20210423T122838_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_20210423T131818_20210423T131944_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_20210423T134034_20210423T134140_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_20210423T135316_20210423T135907_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_20210423T140623_20210423T140802_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_20210423T144718_20210423T144822_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_20210423T145224_20210423T145436_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_20210423T145553_20210423T145821_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_20210423T151500_20210423T151757_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_20210423T153513_20210423T153655_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_20210423T161214_20210423T161529_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_20210423T161621_20210423T161744_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_20210423T171800_20210423T171859_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_20210423T172332_20210423T172551_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_20210423T190409_20210423T190535_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_20210423T194251_20210423T194309_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_20210423T194524_20210423T194549_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_20210423T195344_20210423T195449_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_20210423T195524_20210423T195642_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_20210423T204241_20210423T204353_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_20210423T205452_20210423T205455_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_20210423T210130_20210423T210204_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_20210423T210501_20210423T210645_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_20210423T211507_20210423T211641_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_20210423T211844_20210423T212012_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_20210423T221158_20210423T221608_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_20210423T224543_20210423T224627_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_20210423T230119_20210423T230520_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_20210423T000503_20210423T000718_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_20210423T003945_20210423T003956_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_20210423T005103_20210423T005611_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_20210423T011029_20210423T011242_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_20210423T012900_20210423T013205_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_20210423T013504_20210423T014226_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_20210423T020137_20210423T020157_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_20210423T023550_20210423T023857_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_20210423T030619_20210423T030837_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_20210423T031349_20210423T032044_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_20210423T033440_20210423T034122_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_20210423T045212_20210423T050047_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_20210423T050653_20210423T050723_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_20210423T053728_20210423T053803_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_20210423T062904_20210423T063646_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_20210423T063855_20210423T063935_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_20210423T063951_20210423T064109_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_20210423T064613_20210423T064701_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_20210423T072831_20210423T073028_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_20210423T080628_20210423T080703_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_20210423T080839_20210423T081459_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_20210423T081459_20210423T081811_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_20210423T090714_20210423T090955_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_20210423T094410_20210423T094649_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_20210423T094653_20210423T095359_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_20210423T095359_20210423T095537_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_20210423T112807_20210423T113257_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_20210423T113257_20210423T113423_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_20210423T113614_20210423T113842_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_20210423T121047_20210423T121746_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_20210423T123520_20210423T123559_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_20210423T124636_20210423T125116_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_20210423T130028_20210423T130103_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_20210423T130106_20210423T130143_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_20210423T130559_20210423T131140_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_20210423T133521_20210423T133735_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_20210423T142305_20210423T142444_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_20210423T144016_20210423T144054_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_20210423T144632_20210423T144718_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_20210423T144913_20210423T145224_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_20210423T145821_20210423T145918_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_20210423T153406_20210423T153512_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

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CS_OFFL_SIR_GOPR_2_20210423T161029_20210423T161121_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_20210423T162410_20210423T162444_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_20210423T162444_20210423T163138_C001	Ocean Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Kange, SSHA, SWH 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_20210423T172551_20210423T172644_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_20210423T180225_20210423T180346_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_20210423T180432_20210423T180622_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_20210423T180641_20210423T181205_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_20210423T185218_20210423T185422_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_20210423T193452_20210423T193645_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_20210423T194004_20210423T194210_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_20210423T194549_20210423T195344_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_20210423T195449_20210423T195502_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_20210423T203120_20210423T203412_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_20210423T212414_20210423T213328_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_20210423T230520_20210423T230758_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_20210423T230758_20210423T231311_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_20210423T231415_20210423T231629_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_20210423T234904_20210423T234935_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (1 Hz & 1Hz PLRM)

 $\label{lem:currently} \textbf{Currently, there are several common flags raised in the Level 2 products, which are summarised below.}$

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

Number of products with errors: 21

5.8 L2 Ocean Retracking Quality Check

L2 Retracking Flags (20Hz)

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

Ocean Retracking Quality Flag: This flag is currently set for products 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: 6

L2 Retracking Flags (20Hz, PLRM)

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

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

Number of products with errors:

16

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

6.1 P2P Product Format Check

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 which are expected due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues which may arise from this test.

- > ECMWF Meteo Corrections: Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric Correction, Wet Tropospheric Correction, Inverse Barometric Correction and the U-Wind and V-Wind components of the ECMWF model wind vector. This is a known anomaly (CRYO-COP-3) and will be resolved in a future IPF update. 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_20210422T235716_20210423T004652_C002	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_GOP_220210423T004652_20210423T013631_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_220210423T013631_20210423T022607_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_220210423T022607_20210423T031545_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_220210423T031545_20210423T040522_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_220210423T040522_20210423T045500_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_220210423T045500_20210423T054436_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_220210423T054436_20210423T063415_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) and 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_220210423T063415_20210423T072351_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_220210423T072351_20210423T081330_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_220210423T081330_20210423T090306_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_220210423T090306_20210423T095244_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_220210423T095244_20210423T104220_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_220210423T104220_20210423T113159_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_220210423T113159_20210423T122135_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_20210423T122135_20210423T131113_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_220210423T131113_20210423T140049_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and 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_220210423T140049_20210423T145028_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_220210423T145028_20210423T154004_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_220210423T154004_20210423T162943_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_220210423T162943_20210423T171919_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_220210423T171919_20210423T180858_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_220210423T180858_20210423T185834_C001	mean Sea Surrace (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) Non-Fauilibrium Long Period	Innere is an error with the Miss neight (solution 1) and the Mean Lynamic 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_220210423T185834_20210423T194812_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_20210423T194812_20210423T203748_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_20210423T203748_20210423T212727_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_20210423T212727_20210423T221703_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_20210423T221703_20210423T230642_C001		There is an error with the MSS height (solution 1) and 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_220210423T230642_20210423T235618_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:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20210423T063415_20210423T072351_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOP_2_20210423T081330_20210423T090306_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

6.6 P2P Measurement Quality Flag Check

P2P Quality Flags (20Hz)

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: 30

P2P Quality Flags (20Hz 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: 29

P2P Quality Flags (1 Hz & 1Hz 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: 29

6.8 P2P Ocean Retracking Quality Check

P2P Retracking Flags (20Hz)

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: 28

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: 29

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	191	191	6	185	0
SIR_GOPR1B	144	144	0	144	0
SIR_GOPN1B	112	112	3	109	0
SIR_GOPM_2	191	191	131	60	0
SIR_GOPR_2	144	144	51	92	1
SIR_GOPN_2	112	112	41	71	0
SIR_GOP_P2P	29	29	0	28	1

7.1 QCC Errors

Number of QCC reports with errors:

Total number of occurrences of each error

Product Type RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR_GOPR_2 1	1	1	1							
Product Type RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-

Test Description Key:	Fest Description Key:				
Abbreviation	Test name	Details			
RLOBOPNCDF	RangeLatitudeOrBlankOP_7NetCDF	Latitude should be between -90E7 and 90E7			
RL	RangeLatitude_7	Latitude should be between -90E7 and 90E7			
RLOBOPNCDF	RangeLongitudeOrBlankOP_7NetCDF	Longitude should be between -180E7 and 180E7			
RL	RangeLongitude_7	Longitude should be between -180E7 and 180E7			

7.2 QCC Warnings

Total number of occurrences of each warning

Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD
SIR_GOPM1B	185	0	0	0	0	0	0
SIR_GOPM_2	0	0	43	41	0	43	0
SIR_GOPN1B	107	0	0	0	0	0	0
SIR_GOPN_2	0	0	7	33	4	27	29
SIR_GOPR1B	137	0	0	0	0	0	0
SIR_GOPR_2	0	1	28	51	0	31	22

Product Type	RBSZOPOEPNCDF	RNELPOTONCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNCE	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	35	0	34	0	0	0	0
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	23	1	0	0	20	0	36
SIR_GOPR1B	0	0	0	0	0	0	0
SIR_GOPR_2	11	5	0	47	0	61	0

Product Type	RPEPOPLRMNCDF	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	26	0	0	6	27	0	5
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	0	0	29	25	45	58	34
SIR_GOPR1B	0	0	0	0	0	0	0
SIR GOPR 2	0	47	0	2	66	37	10

Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF	•
SIR_GOPM1B	0	0	0	0	0	0	
SIR_GOPM_2	38	0	2	0	0	0	
SIR_GOPN1B	0	0	0	0	46	1	
SIR_GOPN_2	23	30	13	0	0	0	
SIR_GOPR1B	0	0	0	0	144	14	
SIR_GOPR_2	37	53	5	11	0	0	

Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNC	RBSZOPOEPNCDF
SIR_GOP_2_	17	29	29	4	29	17	28
	•	•		•	•		
Product Type	RNELPOTONCDF	RPEPOPFDPLRMSINNCD	RPEPOPFDSINNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF

Product Type	RSSHAONCDF	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHLPQWNCDF	-	-
SIR_GOP_2_	26	29	18	14	29		

est Description Key:							
Abbreviation	Test name	Details					
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter					
IOHHMOOR	IndexOf1Hzin20HzMappingOutOfRange	The mapping of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1)					
MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees					
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees					
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only					
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RBSZOPOEPFDPLRM NCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RNELPOTONCDF	RangeNELPOceanTideOceanNetCDF	The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing) for surface type = ocean					
RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPFDPLRMSAR NCDF	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPFDPLRMSINN CDF	RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPFDSARNCDF	RangePeakinessExcludingPolarOPFD2SARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPFDSINNCDF	RangePeakinessExcludingPolarOPFD2SINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPLRMNCDF	RangePeakinessExcludingPolarOPLRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPSARNCDF	RangePeakinessExcludingPolarOPSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPSINNCDF	RangePeakinessExcludingPolarOPSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RSSBCONCDF	RangeSeaStateBiasCorrectionOceanNetCDF	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean					
RSSHAOFDNCDF	RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean					
RSSHAOFDPLRMNCD 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	RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RSWHOEPNCDF	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
SOOHHIFHD	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample					
SCSTODHRNCDF	SequenceCounterStepTODHRNetCDF	The sequence counter should be modulo 4 higher with regard to the previous sequence counter					
SCSTODNCDF	SequenceCounterStepTODNetCDF	The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter					

7.3 Missing QCC Reports