

1. Overview

Report Production:	21-Apr-2023
Processor Used:	CryoSat Ocean Processor
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data

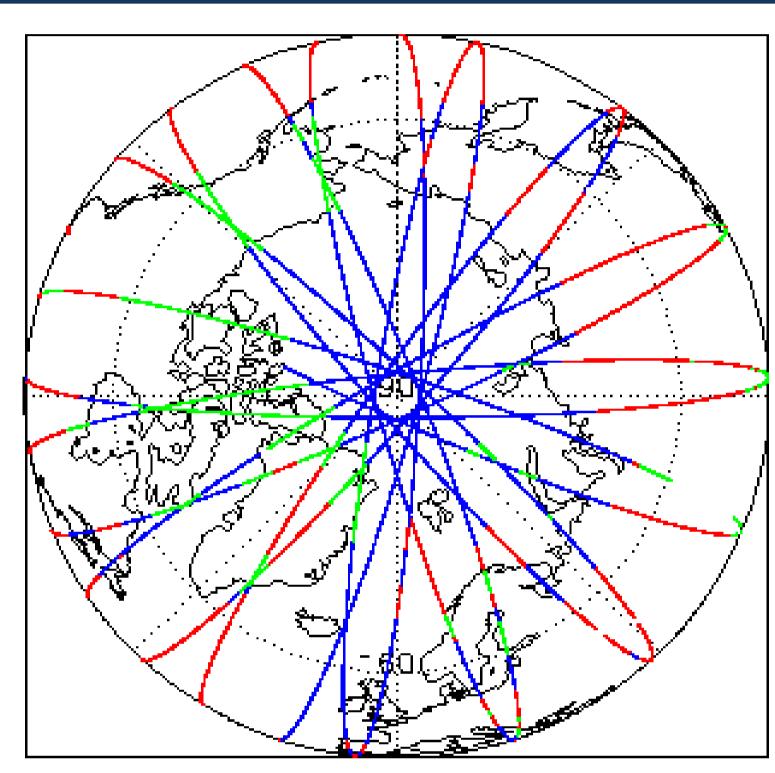
We would love to hear from you!

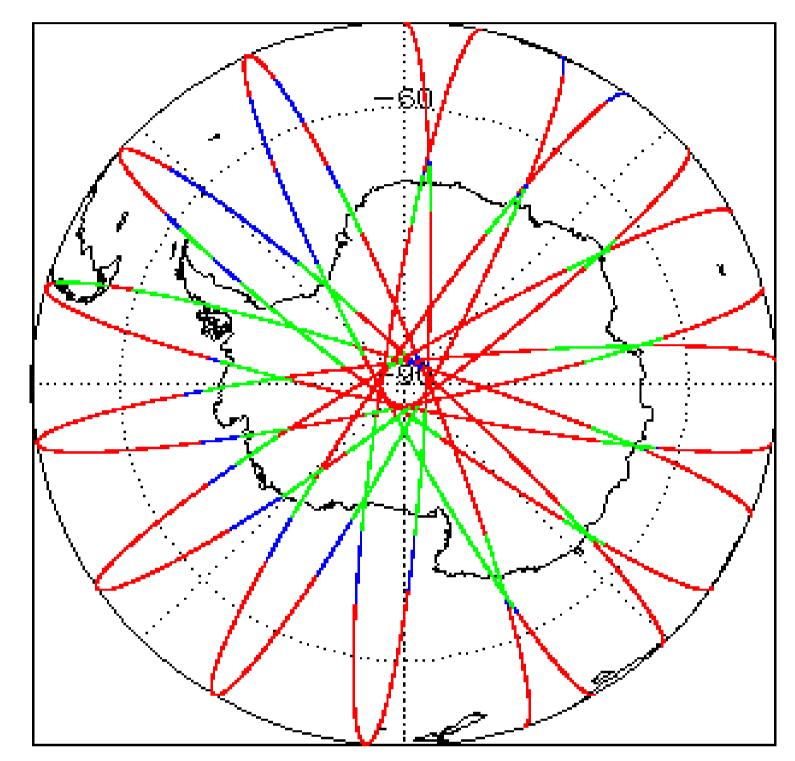
Please let us know your feedback about these daily quality reports: What do you like/ dislike? What quality information do you need? Send your feedback to cs2_qc_team@telespazio.com

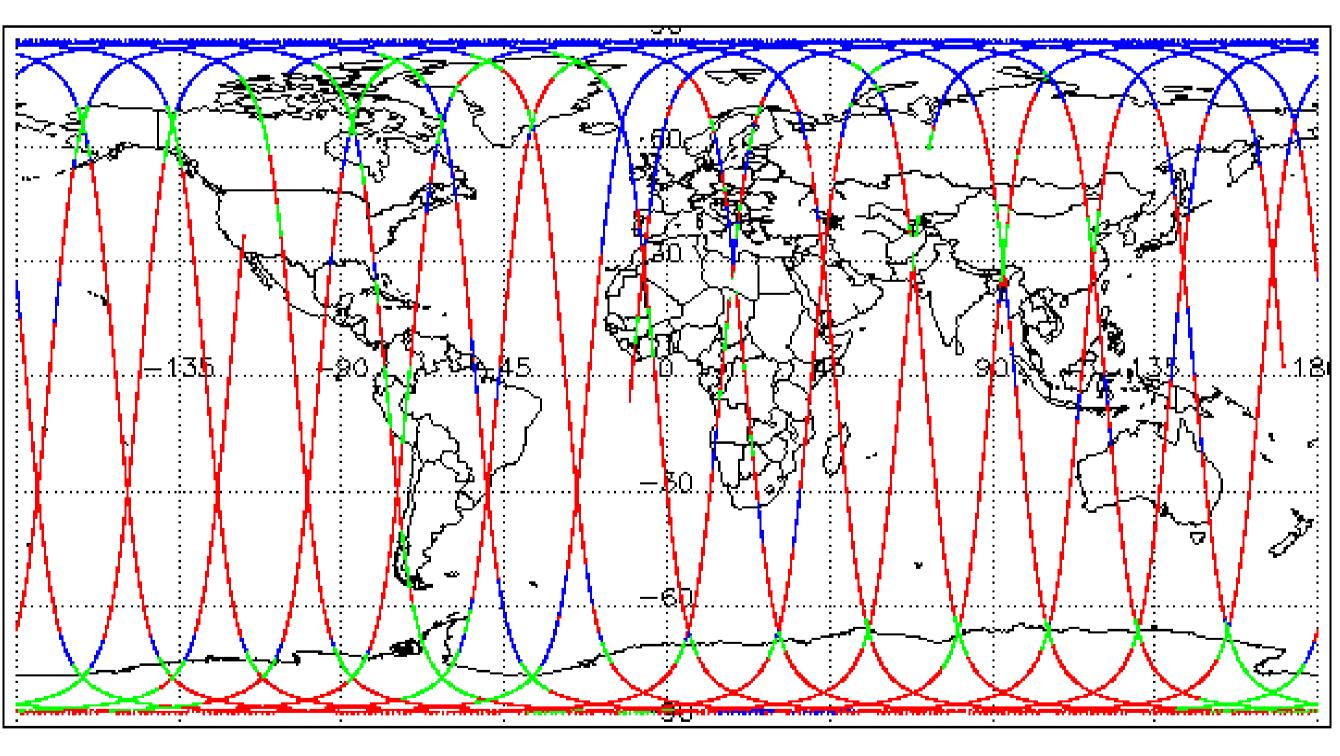
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary Correction Error Check	See Section 5.4	See Section 6.4
Measurement Confidence Data Check	See Section 4.5, 4.6	Nominal
Range, SWH & Backscatter Measurement Check	See Section 5.6	See Section 6.6
Ocean Retracking Quality Check	See Section 5.7	See Section 6.7
QCC Error/ Warning Check	See Section 7.1 and 7.2	See Section 7.1, 7.2 and 7.3

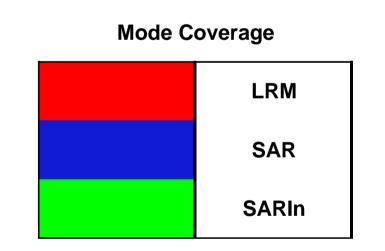
Mission / Ir	Mission / Instrument News		
23-Mar-20	None		
24-Mar-20	None		
25-Mar-20	Nothing planned		

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

4. GOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

4.2 L1B Product Header Analysis

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

L1B Processing Quality HR: The I1b_proc_flag_hr flag is currently set all L1B GOPR and GOPN products because the I1b_processing_quality_hr field is not correctly configured in the OSAR and OSARIn chains. A modification is required in the next release.

Number of products with errors:

4.3 L1B Auxilary Data File Usage Check

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

Number of products with errors:

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:

4.5 L1B Measurement Confidence Data Check

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

Attitude Correction Missing: This flag is currently set in error for GOPR products due to a configuration issue. This is being investigated and will be updated in the next SW update.

Number of products with errors:

0

0

4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

13

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20230324T035532_20230324T040453_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20230324T053839_20230324T054159_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20230324T020910_20230324T021026_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20230324T040643_20230324T041203_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20230324T043743_20230324T043930_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20230324T052338_20230324T052849_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20230324T061613_20230324T061853_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20230324T115452_20230324T115730_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20230324T160831_20230324T161240_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20230324T161641_20230324T162039_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20230324T001434_20230324T001626_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20230324T035331_20230324T035447_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20230324T150716_20230324T151031_C001	Loss of Echo	The tracking echo is missing for one or more records

5. GOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

0

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: 0

5.4 L2 Auxiliary Correction Error Check

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

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

- > ECMWF Meteo Corrections: Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric Correction, Wet Tropospheric Correction, Inverse Barometric Correction and the U-Wind and V-Wind components of the ECMWF model wind vector. This is a known anomaly (CRYO-COP-3) and will be resolved in a future IPF update. The affected products are not reported in the table below.
- > Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over sea ice, but this is to be expected.
- > Altimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.

60

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20230324T010956_20230324T011232_C001	` ''	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_20230324T011426_20230324T012052_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_20230324T020511_20230324T020631_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20230324T020910_20230324T021026_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_20230324T024755_20230324T025130_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_20230324T034424_20230324T034530_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_20230324T042728_20230324T042926_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_20230324T052338_20230324T052849_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20230324T060701_20230324T060819_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_20230324T074832_20230324T075028_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT and solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20230324T092613_20230324T092937_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_20230324T101231_20230324T101320_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_20230324T102457_20230324T102832_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_20230324T110515_20230324T110835_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_20230324T111355_20230324T111518_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_20230324T115452_20230324T115730_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20230324T125236_20230324T125402_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_20230324T133123_20230324T133227_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_20230324T133529_20230324T133632_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_20230324T142951_20230324T143153_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_20230324T151345_20230324T151547_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_20230324T160831_20230324T161240_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_20230324T161641_20230324T162039_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 (solution 1: GOT and solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20230324T164916_20230324T165420_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_20230324T174916_20230324T175129_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_20230324T182706_20230324T183244_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_20230324T200526_20230324T200942_C001		There is an error with the MSS height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20230324T205842_20230324T210007_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_20230324T214705_20230324T214903_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_20230324T223813_20230324T223939_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_20230324T224453_20230324T224755_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_20230324T001811_20230324T002511_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_20230324T002511_20230324T004000_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_20230324T015755_20230324T020401_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_20230324T020401_20230324T020511_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_20230324T024638_20230324T024755_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20230324T033740_20230324T033839_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_20230324T033844_20230324T033936_C001	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_20230324T033952_20230324T034132_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_20230324T034132_20230324T034424_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_20230324T050123_20230324T050320_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_20230324T051759_20230324T052338_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_20230324T065854_20230324T070358_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_20230324T082657_20230324T082720_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_20230324T083244_20230324T083429_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_20230324T083615_20230324T084600_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_20230324T101626_20230324T102457_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_20230324T114606_20230324T114938_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_20230324T115730_20230324T120514_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_20230324T133632_20230324T134347_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_20230324T150716_20230324T151031_C001	Mean Sea Surface (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT and solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPR_2_20230324T151548_20230324T152232_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_20230324T165421_20230324T165943_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_20230324T183244_20230324T183746_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_20230324T183746_20230324T184228_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20 Hz)

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

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

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

Number of products with errors: 84

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20230323T234032_20230324T001434_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_20230324T004000_20230324T010256_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_20230324T010607_20230324T010637_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_20230324T012104_20230324T013317_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_20230324T013408_20230324T013617_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_20230324T014328_20230324T015139_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_20230324T020631_20230324T020910_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_20230324T021101_20230324T022737_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_20230324T022943_20230324T024413_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_20230324T025130_20230324T025337_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_20230324T025429_20230324T025840_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_20230324T030016_20230324T031254_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_20230324T031404_20230324T031552_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_20230324T031808_20230324T032715_C001	The state of the s	The Ocean Altimeter Range, SSHA, SWH 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_20230324T032913_20230324T033208_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_20230324T035532_20230324T040453_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_20230324T041203_20230324T042702_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_20230324T042926_20230324T043742_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_20230324T043937_20230324T045620_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_20230324T045912_20230324T050122_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_20230324T051113_20230324T051121_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_20230324T053839_20230324T054159_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_20230324T054202_20230324T060550_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_20230324T060820_20230324T061021_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_20230324T061103_20230324T061612_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_20230324T061854_20230324T064415_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_20230324T071551_20230324T074429_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_20230324T075028_20230324T075631_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_20230324T075800_20230324T082657_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

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Control 18th Control 2 (20002-11009) 20002-21009 20002-21009 2001 2001 2002-2003-2009 2000 2002-2009 20002-2009 20002-2009 20002-2009 20002-2009 20002-2009 20002-2009 20002-2009 20002-2009 2002-2002-	Comment Comm	CS_OFFL_SIR_GOPM_2_20230324T084935_20230324T092413_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
Dec. OFF. 389 COPM 2 2000064TH-062 2000064TH-062 COST COVER. 389 COPM 2 2000066TH-063 2000064TH-062 COST COVER. 389 COPM 2 2000066TH-063 2000064TH-062 COST COVER. 389 COPM 2 2000066TH-063 2000064TH-063 COST COVER. 389 COPM 2 2000066TH-063 2000066TH-063 COST COVER. 389 COPM 2 2000066TH-063 COST COVER. 389 COPM 2 2000066TH-0	Column C	CS_OFFL_SIR_GOPM_2_20230324T092937_20230324T093503_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
Col. CPFL_SRIP_COPPL_2_222222F110600_22222F110600_22211 Col. CPFL_SRIP_COPPL_2_222222F110600_222211 Col. CPFL_SRIP_COPPL_2_222222F110600_222211 Col. CPFL_SRIP_COPPL_2_222222F110600_222211 Col. CPFL_SRIP_COPPL_2_222222F110600_222211 Col. CPFL_SRIP_COPPL_2_222222F110600_222211 Col. CPFL_SRIP_COPPL_2_222222F110600_222222F110600_222222F110600_22222F110600_22222F110600_222222F110600_222222F110600_22222F110600_22222F110600_22222F110600_222222F110600_22222F11060	CR. DPR. 38E COPM 2 2020537T19312 2020537T19312 2020537T19312 2021 2021 2021 2021 2021 2021 2021 2	CS_OFFL_SIR_GOPM_2_20230324T093631_20230324T094255_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
BE REFERENCE TO LANGE COCK A Service TRANSPACE AND A Service TRANSPACE TO A Service TRANSPACE AND A Service TRANSPACE AND A SERVICE AND A SERV	See GEPL 58 GEPL 3 2020054*10433 2020054*1*26 GE COOL 2 COPTL SR GEPL 2 2020054*1*26 2020054*1*26 GE COOL 2 COPTL SR GEPL 2 2020054*1*26 2020055*1*26 GE COOL 2 COPTL SR GEPL 3 2020054*1*26 2020055*1*26 GE COOL 2 COPTL SR GEPL 3 2020054*1*26 2020055*1*26 GE COOL 2 COPTL SR GEPL 3 2020054*1*26 2020055*1*26 GE COOL 2 COPTL SR GEPL 3 2020054*1*26 2020055*1*26 GE COOL 2 COPTL SR GEPL 3 2020054*1*26 2020055*1*26 GE COOL 2 COPTL SR GEPL 3 2020054*1*26 GE COOL 2 COPTL SR GEPL 3 2020054*1*26 GE COOL 2 COPTL SR GEPL 3 2020054*1*26 GE COOL 2 COPTL SR GEPL 3 2020055*1*26 GE COOL 2 COPTL SR GEPL 3 20	CS_OFFL_SIR_GOPM_2_20230324T100820_20230324T100847_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS. OFFL SRR COPM 2 20203254T10926 20203254T10926 COOL OSER A Financia Rings, SSR4 SWN and Excellent Clustery COOL OSER A Financia Rings, SSR4 SWN and Excellent Clustery Cool OSER A Financia Rings, SSR4 SWN and Excellent Clustery Cool OSER A Financia Rings, SSR4 SWN and Excellent Clustery Cool OSER A Financia Rings, SSR4 SWN and Excellent Clustery Cool OSER A Financia Rings and SSR4 SWN and Excellent Clustery Cool OSER A Financia Rings and SSR4 SWN and Excellent Clustery Cool OSER A Financia Rings and SSR4 SWN and Excellent Clustery Cool OSER A Financia Rings and SSR4 SWN and Excellent Clustery Cool OSER A Financia Rings, SSR4 SWN and Excellent Clustery Cool OSER A Financia Rings, SSR4 SWN and Excellent Clustery Cool OSER A Financia Rings, SSR4 SWN and Excellent Clustery Cool OSER A Financia Rings, SSR4 SWN and Excellent Clustery Cool OSER A Financia Rings, SSR4 SWN and Excellent Clustery Cool OSER A Financia Rings, SSR4 SWN and Excellent Clustery Cool OSER A Financia Rings, SSR4 SWN and Excellent Clustery Cool OSER A Financia Rings, SSR4 SWN and Excellent Clustery Cool OSER A Financia Rings, SSR4 SWN and Excellent Clustery Cool OSER A Financia Rings, SSR4 SWN and Excellent Clustery Cool OSER A Financia Rings, SSR4 SWN and Excellent Clustery Cool Inchesioner Clustery Cool OSER A Financia Rings, SSR4 SWN and Excellent Clustery Cool Inchesioner Clustery Cool OSER A Financia Rings, SSR4 SWN and Excellent Clustery Cool Inchesioner Clustery Cool OSER A Financia Rings, SSR4 SWN and Excellent Clustery Cool Inchesioner Clustery Cool OSER A Financia Rings SWR4 SWN and Excellent Clustery Cool Inchesioner Clustery Cool OSER A Financia Rings, SSR4 SWN and Excellent Clustery Cool Inchesioner Clustery Cool OSER A Financia Rings, SSR4 SWN and Excellent Clustery Cool Inchesioner Clustery Cool OSER A Financia Rings, SSR4 SWN and Excellent Clustery Cool Inchesioner Clustery Cool OSER A Financia Rings SWR4 SWN and Excellent Clustery Cool Inchesioner Clustery Cool OSER A Financia Rings SWR4 SW	According to Company 2	CS_OFFL_SIR_GOPM_2_20230324T101320_20230324T101626_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
CB_OFT_BIR_COPY_2_2020324*110594_202032*111098_0001 CB_OFT_BIR_COPY_2_2020324*110594_202032*111098_0001 CB_OFT_BIR_COPY_2_2020324*110594_202032*111098_0001 CB_OFT_BIR_COPY_2_2020324*110594_202032*111098_0001 CB_OFT_BIR_COPY_2_2020324*110594_202032*111098_0001 CB_OFT_BIR_COPY_2_2020324*110594_202032*111098_0001 CB_OFT_BIR_COPY_2_2020324*112059_202032*111098_0001 CB_OFT_BIR_COPY_2_2020324*112059_202032*111098_0001 CB_OFT_BIR_COPY_2_2020324*112059_202032*1112088_0001 CB_OFT_BIR_COPY_2_2020324*12059_202032*112088_0001 CB_OFT_BIR_COPY_2_2020324*12059_202032*112088_0001 CB_OFT_BIR_COPY_2_2020324*12059_202032*112088_0001 CB_OFT_BIR_COPY_2_2020324*12059_202032*112089_0001 CB_OFT_BIR_COPY_2_2020324*12059_202032*112089_0001 CB_OFT_BIR_COPY_2_2020324*12089_202032*112089_0001 CB_OFT_BIR_COPY_2_20203234*12089_202032*112089_0001 CB_OFT_	CS_OFF_SIR_GOPM_2_2020324110356_2220324110356_20201 COOP Allmater Range Castly, COOP Committee Range Castly, COOP	CS_OFFL_SIR_GOPM_2_20230324T102912_20230324T103739_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
Control of the Cont	September Color September Septembe	CS_OFFL_SIR_GOPM_2_20230324T104024_20230324T110332_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
Bockscatter Coulty	Substantian Coulty	CS_OFFL_SIR_GOPM_2_20230324T110836_20230324T110942_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS OFFL SIR GOPM 2 2020024T1365 2020024T13	and Backscanter Quality. OCCG Annual Region of Supplemental Supplemental Backscanter Quality. Proc Supplemental Supplemental Supplemental Backscanter Quality. Proc Supplemental Supplemental Backscanter Quality. Proc Supplemental Supplement	CS_OFFL_SIR_GOPM_2_20230324T110946_20230324T111354_C001	•	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
ex Backscatter Quality, OCOG Almeter Range and Backscatter Quality Flags have be- force or more records CS OFFL SIR GOPM 2 202303241120514 202303241120525 C001 CS OFFL SIR GOPM 2 202303241120514 202303241120525 C001 CS OFFL SIR GOPM 2 202303241120575 202303241124127 C001 CS OFFL SIR GOPM 2 202303241120575 202303241124352 C001 CS OFFL SIR GOPM 2 202303241124554 202303241125256 C001 CS OFFL SIR GOPM 2 202303241124552 202303241125556 C001 CS OFFL SIR GOPM 2 20230324112554 202303241125556 C001 CS OFFL SIR GOPM 2 20230324112554 20230324113555 C001 CS OFFL SIR GOPM 2 20230324112554 20230324113555 C001 CS OFFL SIR GOPM 2 20230324113555 20230324113556 C001 CS OFFL SIR GOPM 2 20230324113556 C00324114204 C001 CS OFFL SIR GOPM 2 20230324114205 C0230324114204 C001 CS OFFL SIR GOPM 2 202303	ord Backscater Cusity, COCG ord Baineser Range and Backscater Cusity Flags have been all backscater Cusity Flags have been been been been been been been be	CS_OFFL_SIR_GOPM_2_20230324T111531_20230324T113530_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
Sophility Strategy and Backscatter Quality Flags have been for one or more records CS_OFFL_SIR_GOPM_2_20230324T124964_20230324T124964_CO01 CS_OFFL_SIR_GOPM_2_20230324T124964_20230324T124964_CO01 CS_OFFL_SIR_GOPM_2_20230324T124964_20230324T124964_CO01 CS_OFFL_SIR_GOPM_2_20230324T124964_20230324T124964_CO01 CS_OFFL_SIR_GOPM_2_20230324T124964_20230324T124966_CO01 CS_OFFL_SIR_GOPM_2_20230324T124964_20230324T126966_CO01 CS_OFFL_SIR_GOPM_2_20230324T124964_20230324T126966_CO01 CS_OFFL_SIR_GOPM_2_20230324T125962_20230324T139666_CO01 CS_OFFL_SIR_GOPM_2_20230324T125962_20230324T139666_CO01 CS_OFFL_SIR_GOPM_2_20230324T139692_20230324T139666_CO01 CS_OFFL_SIR_GOPM_2_20230324T139692_20230324T139666_CO01 CS_OFFL_SIR_GOPM_2_20230324T139692_20230324T139666_CO01 CS_OFFL_SIR_GOPM_2_20230324T139692_20230324T139686_CO01 CS_OFFL_SIR_GOPM_2_20230324T139602_20230324T139686_CO01 CS_OFFL_SIR_GOPM_2_20230324T139692_20230324T139686_CO01 CS_OFFL_SIR_GOPM_2_20230324T139692_20230324T139686_CO01 CS_OFFL_SIR_GOPM_2_20230324T139694_20230324T139600_CO01 CS_OFFL_SIR_GOPM_2_20230324T139694_20230324T149661_CO01 CS_OFFL_SIR_GOPM_2_20230324T139694_20230324T149740_CO01 CS_OFFL_SIR_GOPM_2_20230324T149864_20230324T149740_CO01 CS_OFFL_SIR_GOPM_2_20230324T149864_20230324T149760_CO01 CS_OFFL_SIR_GOPM_2_20230	Eachscate Quality CS_OFFL_SIR_GOPM_2_20230341*20756_20230341*124*27_C001 CS_OFFL_SIR_GOPM_2_20230341*20756_20230341*124*27_C001 CS_OFFL_SIR_GOPM_2_202303241*2050_20230341*12506_C001 CS_OFFL_SIR_GOPM_2_202303241*2050_202303241*12506_C001 CS_OFFL_SIR_GOPM_2_202303241*2050_202303241*12506_C001 CS_OFFL_SIR_GOPM_2_202303241*2050_202303241*12506_C001 CS_OFFL_SIR_GOPM_2_202303241*2050_202303241*12506_C001 CS_OFFL_SIR_GOPM_2_202303241*2050_202303241*3050_202303241*3050_C001 CS_OFFL_SIR_GOPM_2_202303241*2050_202303241*3050_202303241*3050_C001 CS_OFFL_SIR_GOPM_2_202303241*3050_202303241*3050_20030341*3050_C001 CS_OFFL_SIR_GOPM_2_202303241*3050_202303241*3050_C001 CS_OFFL_SIR_GOPM_2_202303241*42261_202303241*3050_C001 CS_OFFL_SIR_GOPM_2_202303241*42261_202303241*3050_C001 CS_OFFL_SIR_GOPM_2_202303241*4206_202303241*3050_C001 CS_OFFL_SIR_GOPM_2_202303241*4206_202303241*3050_C001 CCS_OFFL_SIR_GOPM_2_202303241*4206_202303241*3050_C001 CCS_OFFL_SIR_GOPM_2_202303241*4206_202303241*3050_C001 CCS_OFFL_SIR_GOPM_2_202303241*4206_202303241*3050_C001 CCS_OFFL_SIR_GOPM_2_202303241*4206_202303241*3050_C001 CCS_OFFL_SIR_GOPM_2_202303241*4206_202303241*3050_C001 CCS_OFFL_SIR_GOPM_2_202303241*4206_202303241*	CS_OFFL_SIR_GOPM_2_20230324T113856_20230324T114331_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
and Backscatter Quality. OCOG Altimeter Range and Backscatter Quality. Flags have been for one or more records CS_OFFL_SIR_GOPM_2_20230324T124354_20230324T124940_C001 GS_OFFL_SIR_GOPM_2_20230324T124960_20230324T12529E_C001 CS_OFFL_SIR_GOPM_2_20230324T124960_20230324T12529E_C001 CS_OFFL_SIR_GOPM_2_20230324T124960_20230324T12529E_C001 CS_OFFL_SIR_GOPM_2_20230324T125942_20230324T12529E_C001 CS_OFFL_SIR_GOPM_2_20230324T125942_20230324T12598E_C001 CS_OFFL_SIR_GOPM_2_20230324T125942_20230324T133102_C001 CS_OFFL_SIR_GOPM_2_20230324T133300_20230324T13352B_C001 CS_OFFL_SIR_GOPM_2_20230324T133300_20230324T13352B_C001 CS_OFFL_SIR_GOPM_2_20230324T133300_20230324T13352B_C001 CS_OFFL_SIR_GOPM_2_20230324T133108_20230324T13352B_C001 CS_OFFL_SIR_GOPM_2_20230324T133108_20230324T13352D_C001 CS_OFFL_SIR_GOPM_2_20230324T133108_20230324T13352D_C001 CS_OFFL_SIR_GOPM_2_20230324T133108_20230324T13352D_C001 CS_OFFL_SIR_GOPM_2_20230324T133108_20230324T13352D_C001 CS_OFFL_SIR_GOPM_2_20230324T133108_20230324T13352D_C001 CS_OFFL_SIR_GOPM_2_20230324T133108_20230324T13352D_C001 CS_OFFL_SIR_GOPM_2_20230324T133108_20230324T13352D_C001 CS_OFFL_SIR_GOPM_2_20230324T13354B_20230324T13352D_C001 CS_OFFL_SIR_GOPM_2_20230324T13354B_20230324T13352D_C001 CS_OFFL_SIR_GOPM_2_20230324T13354B_20230324T132047_C001 CS_OFFL_SIR_GOPM_2_20230324T13354B_20230324T132047_C001 CS_OFFL_SIR_GOPM_2_20230324T142855_20230324T142851C_001 CCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records CCOG Altimeter Range and Backscatter Quality Flags have been for one or more records CCOG Altimeter Range and Backscatter Quality Flags have been for one or more records CCOG Altimeter Range and Backscatter Quality Flags have been for one or more records CCOG Altimeter Range and Backscatter Quality Flags have been for one or more records CCOG Altimeter Range and Backscatter Quality Flags have been for one or more records CCOG Altimeter Range and Backscatter Quality Flags have been for one or more	CS_OFFL_SIR_GOPM_2_20200324T124364_20230324T124860_C001 CS_OFFL_SIR_GOPM_2_20200324T124364_20230324T12536_C001 CS_OFFL_SIR_GOPM_2_20200324T124364_20230324T12536_C001 CS_OFFL_SIR_GOPM_2_20200324T124364_20230324T12536_C001 CS_OFFL_SIR_GOPM_2_20200324T124364_20230324T12536_C001 CS_OFFL_SIR_GOPM_2_20200324T125462_20230324T12536_C001 CS_OFFL_SIR_GOPM_2_20200324T125462_20230324T12536_C001 CS_OFFL_SIR_GOPM_2_20200324T125462_20230324T125866_C001 CS_OFFL_SIR_GOPM_2_20200324T125462_20230324T125866_C001 CS_OFFL_SIR_GOPM_2_20200324T125462_20230324T133102_C001 CS_OFFL_SIR_GOPM_2_20200324T125462_20230324T133102_C001 CS_OFFL_SIR_GOPM_2_20200324T125842_20230324T133102_C001 CS_OFFL_SIR_GOPM_2_20200324T125842_20230324T133102_C001 CS_OFFL_SIR_GOPM_2_20200324T125842_20230324T133102_C001 CS_OFFL_SIR_GOPM_2_20200324T133000_20230324T133322_C0010 CS_OFFL_SIR_GOPM_2_20200324T133000_20230324T133322_C0010 CS_OFFL_SIR_GOPM_2_20200324T133000_20230324T133322_C0010 CS_OFFL_SIR_GOPM_2_20200324T133000_20230324T133320_C001 CS_OFFL_SIR_GOPM_2_20200324T140344_20230324T133820_C001 CS_OFFL_SIR_GOPM_2_20200324T140344_20230324T142047_C001 CS_OFFL_SIR_GOPM_2_20200324T140344_20230324T142047_C001 CS_OFFL_SIR_GOPM_2_20200324T140344_20230324T142047_C001 CS_OFFL_SIR_GOPM_2_20200324T140364_20230324T142047_C001 CS_OFFL_SIR_GOPM_2_20200324T140364_20230324T142047_C001 CS_OFFL_SIR_GOPM_2_20200324T140364_20230324T142047_C001 CS_OFFL_SIR_GOPM_2_20200324T140364_20230324T142047_C001 CS_OFFL_SIR_GOPM_2_20200324T140364_20230324T142047_C001 CS_OFFL_SIR_GOPM_2_20200324T140364_20230324T142047_C001 CS_OFFL_SIR_GOPM_2_20200324T140364_20230324T140510_2001 CCS_OFFL_SIR_GOPM_2_20200324T140510_20230324T140510_2001 CCS_OFFL_SIR_GOPM_2_20200324T140510_20230324T140510_2001 CCS_OFFL_SIR_GOPM_2_20200324T140510_20230324T140510_2001 CCS_OFFL_SIR_GOPM_2_20200324T140510_20230324T140510_2001 CCS_OFFL_SIR_GOPM_2_20200324T140510_20230324T140510_2001 CCS_OFFL_SIR_GOPM_2_20200324T140510_20230324T140510_2001 COCG_OFFL_SIR_GOPM_2_20200324T140510_202030324T1	CS_OFFL_SIR_GOPM_2_20230324T120514_20230324T120626_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
Backscatter Quality GS_OFFL_SIR_GOPM_2_20230324T124900_20230324T12528B_CO01 CS_OFFL_SIR_GOPM_2_20230324T12545Z_20230324T12528B_CO01 CS_OFFL_SIR_GOPM_2_20230324T12545Z_20230324T12558B_CO01 CS_OFFL_SIR_GOPM_2_20230324T12545Z_20230324T12558B_CO01 CS_OFFL_SIR_GOPM_2_20230324T12545Z_20230324T12558B_CO01 CS_OFFL_SIR_GOPM_2_20230324T12545Z_20230324T135102_CO01 CS_OFFL_SIR_GOPM_2_20230324T133300_20230324T13352B_CO01 CS_OFFL_SIR_GOPM_2_20230324T133300_20230324T13352B_CO01 CS_OFFL_SIR_GOPM_2_20230324T133300_20230324T13352B_CO01 CS_OFFL_SIR_GOPM_2_20230324T13310B_20230324T13582D_CO01 CS_OFFL_SIR_GOPM_2_20230324T13510B_20230324T13582D_CO01 CS_OFFL_SIR_GOPM_2_20230324T13510B_20230324T13582D_CO01 CS_OFFL_SIR_GOPM_2_20230324T13510B_20230324T13582D_CO01 CS_OFFL_SIR_GOPM_2_20230324T13510B_20230324T142047_CO01 CS_OFFL_SIR_GOPM_2_20230324T140543_20230324T142047_CO01 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T142047_CO01 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T14251D_CO01 CS_OFFL_SIR_GOPM_2_20230324T142515_20230324T14551D_CO01 CCOG_Altimeter Range_CashA_SWH and Backscatter Quality Flags have been for one or more records. CCOG_Altimeter Range_ASSHA_SWH and Backscatter Quality Flags have been for one or more records. CCOG_Altimeter Range_ASSHA_SWH and Backscatter Quality Flags have been for one or more records. CCOG_Altimeter Range_ASSHA_SWH and Backscatter Quality Flags have been for one or more records. CCOG_Altimeter Range_ASSHA_SWH and Backscatter Quality Flags have been for one or more records. C	Backscatter Quality CS_OFFL_SIR_GOPM_2_20230324T124900_20230324T125236_C001 CS_OFFL_SIR_GOPM_2_20230324T125452_20230324T125236_C001 CS_OFFL_SIR_GOPM_2_20230324T125452_20230324T125236_C001 CS_OFFL_SIR_GOPM_2_20230324T125452_20230324T133102_C001 CS_OFFL_SIR_GOPM_2_20230324T133300_20230324T133102_C001 CS_OFFL_SIR_GOPM_2_20230324T133300_20230324T133328_C001 CS_OFFL_SIR_GOPM_2_20230324T133300_20230324T133434_C001 CS_OFFL_SIR_GOPM_2_20230324T133300_20230324T133434_C001 CS_OFFL_SIR_GOPM_2_20230324T133304_20230324T133434_C001 CS_OFFL_SIR_GOPM_2_20230324T133304_20230324T13443_C001 CS_OFFL_SIR_GOPM_2_20230324T133304_20230324T13443_C001 CS_OFFL_SIR_GOPM_2_20230324T134347_20230324T13443_C001 CS_OFFL_SIR_GOPM_2_20230324T134347_20230324T134240_C001 CS_OFFL_SIR_GOPM_2_20230324T134347_20230324T134240_C001 CS_OFFL_SIR_GOPM_2_20230324T134347_20230324T134240_C001 CS_OFFL_SIR_GOPM_2_20230324T134347_20230324T134240_C001 CS_OFFL_SIR_GOPM_2_20230324T134347_20230324T134240_C001 CS_OFFL_SIR_GOPM_2_20230324T134347_20230324T134510_C001 CS_OFFL_SIR_GOPM_2_20230324T134347_20230324T134510_C001 CS_OFFL_SIR_GOPM_2_20230324T134516_20230324T134510_C001 CS_OFFL_SIR_GOPM_2_20230324T134516_20230324T134510_C001 CS_OFFL_SIR_GOPM_2_20230324T134516_20230324T134510_C001 CS_OFFL_SIR_GOPM_2_20230324T134516_20230324T134510_C001 CS_OFFL_SIR_GOPM_2_20230324T134516_20230324T1	CS_OFFL_SIR_GOPM_2_20230324T120756_20230324T124127_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
Backscatter Quality CS_OFFL_SIR_GOPM_2_20230324T125452_20230324T125656_CO01 CS_OFFL_SIR_GOPM_2_20230324T125452_20230324T125656_CO01 CS_OFFL_SIR_GOPM_2_20230324T125452_20230324T133102_CO01 CS_OFFL_SIR_GOPM_2_20230324T125942_20230324T133102_CO01 CS_OFFL_SIR_GOPM_2_20230324T133300_20230324T13352B_CO01 CS_OFFL_SIR_GOPM_2_20230324T133300_20230324T13352B_CO01 CS_OFFL_SIR_GOPM_2_20230324T133300_20230324T13352B_CO01 CS_OFFL_SIR_GOPM_2_20230324T133300_20230324T13352B_CO01 CS_OFFL_SIR_GOPM_2_20230324T133300_20230324T13352B_CO01 CS_OFFL_SIR_GOPM_2_20230324T134347_20230324T134443_CO01 CS_OFFL_SIR_GOPM_2_20230324T13510B_20230324T1352B_CO01 CS_OFFL_SIR_GOPM_2_20230324T13510B_20230324T1352B_CO01 CS_OFFL_SIR_GOPM_2_20230324T140354_20230324T140354_CO01 CS_OFFL_SIR_GOPM_2_20230324T140354_20230324T140047_CO01 CS_OFFL_SIR_GOPM_2_20230324T140354_20230324T142047_CO01 CS_OFFL_SIR_GOPM_2_20230324T140354_20230324T142047_CO01 CS_OFFL_SIR_GOPM_2_20230324T142255_20230324T142740_CO01 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T142951_CO01 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T142951_CO01 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T142515_00000000000000000000000000000000000	Backscatter Quality CS_OFFL_SIR_GOPM_2_20230324T125452_20230324T125656_C001 CS_OFFL_SIR_GOPM_2_20230324T125452_20230324T133102 C001 CS_OFFL_SIR_GOPM_2_20230324T125942_20230324T133102 C001 CS_OFFL_SIR_GOPM_2_20230324T133300_20230324T133102 C001 CS_OFFL_SIR_GOPM_2_20230324T133300_20230324T133528_C001 CS_OFFL_SIR_GOPM_2_20230324T133300_20230324T133528_C001 CS_OFFL_SIR_GOPM_2_20230324T133300_20230324T133528_C001 CS_OFFL_SIR_GOPM_2_20230324T133500_20230324T133528_C001 CS_OFFL_SIR_GOPM_2_20230324T133500_20230324T133528_C001 CS_OFFL_SIR_GOPM_2_20230324T135108_20230324T135820_C001 CS_OFFL_SIR_GOPM_2_20230324T135108_20230324T135820_C001 CS_OFFL_SIR_GOPM_2_20230324T135108_20230324T135820_C001 CS_OFFL_SIR_GOPM_2_20230324T14234T_C001 CS_OFFL_SIR_GOPM_2_20230324T14234T_C001 CS_OFFL_SIR_GOPM_2_20230324T142351_20230324T14234T_C001 CS_OFFL_SIR_GOPM_2_20230324T142351_20230324T14234T_C001 CS_OFFL_SIR_GOPM_2_20230324T142351_20230324T142351_C001 CS_OFFL_SIR_GOPM_2_20230324T142516_20230324T145516_20230324T1455051_C001 CS_OFFL_SIR_GOPM_2_20230324T145516_20230324T1455051_C001 CS_OFFL_SIR_GOPM_2_20230324T145516_20230324T1455051_C001 CS_OFFL_SIR_GOPM_2_20230324T145516_20230324T1455051_C001 CS_OFFL_SIR_GOPM_2_20230324T145516_20230324T1455051_C001 CS_OFFL_SIR_GOPM_2_20230324T145516_20230324T1455051_C001 CS_OFFL_SIR_GOPM_2_20230324T145516_20230	CS_OFFL_SIR_GOPM_2_20230324T124354_20230324T124840_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have be Altimeter Range Altimeter Range Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have be Altimeter Range Altimeter Range Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have be Sackscatter Quality Flags have Backscatter Quality Flags have be Sackscatter Quality Flags h	and Backscatter Quality CoG Altimoter Range and Backscatter Quality Flags have been set CS_OFFL_SIR_GOPM_2_20230324T125442_20230324T133102_C001 CS_OFFL_SIR_GOPM_2_20230324T133300_20230324T133528_C001 CS_OFFL_SIR_GOPM_2_20230324T133300_20230324T133528_C001 CS_OFFL_SIR_GOPM_2_20230324T133300_20230324T133528_C001 CS_OFFL_SIR_GOPM_2_20230324T134347_20230324T134443_C001 CS_OFFL_SIR_GOPM_2_20230324T134347_20230324T134443_C001 CS_OFFL_SIR_GOPM_2_20230324T134347_20230324T13520_C001 CS_OFFL_SIR_GOPM_2_20230324T135108_20230324T13520_C001 CS_OFFL_SIR_GOPM_2_20230324T140354_20230324T140047_C001 CS_OFFL_SIR_GOPM_2_20230324T140354_20230324T142047_C001 CS_OFFL_SIR_GOPM_2_20230324T142255_20230324T142047_C001 CS_OFFL_SIR_GOPM_2_20230324T142255_20230324T142047_C001 CS_OFFL_SIR_GOPM_2_20230324T142255_20230324T142051_C001 CCOG_Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230324T142047_C001 CCOG_Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230324T142054_20230324T142047_C001 CCOG_Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230324T142054_20230324T142047_C001 CCOG_Altimeter Range and Backscatter Quality Flags have been set for one or more records CC_OFFL_SIR_GOPM_2_20230324T142051_C001 CCOG_Altimeter Range and Backscatter Quality Flags have been set for one or more records CC_OFFL_SIR_GOPM_2_20230324T142815_20230324T142951_C001 CCOG_Altimeter Range Quality, CCOG_Altimeter Range and Backscatter Quality Flags have been set for one or more records CC_OFFL_SIR_GOPM_2_20230324T142815_20230324T145100_C001 CCOG_Altimeter Range Quality, CCOG_Altimeter Range and Backscatter Quality Flags have been set for one or more records CC_OFFL_SIR_GOPM_2_20230324T145516_20230324T14510511_C001 CCOG_Altimeter Range Quality, CCOG_Altimeter Range and Backscatter Quality Flags have been set for one or more records CC_OFFL_SIR_GOPM_2_20230324T145516_20230	CS_OFFL_SIR_GOPM_2_20230324T124900_20230324T125236_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPM_2_20230324T133102_C001 and Backscatter Quality COCG Altimeter Range and Backscatter Quality Flags have been for one or more records CS_OFFL_SIR_GOPM_2_20230324T133300_20230324T133528_C001 CS_OFFL_SIR_GOPM_2_20230324T134347_20230324T134443_C001 CS_OFFL_SIR_GOPM_2_20230324T134347_20230324T135820_C001 CS_OFFL_SIR_GOPM_2_20230324T135108_20230324T135820_C001 CS_OFFL_SIR_GOPM_2_20230324T135108_20230324T142047_C001 CS_OFFL_SIR_GOPM_2_20230324T140354_20230324T142047_C001 CS_OFFL_SIR_GOPM_2_20230324T140354_20230324T142047_C001 CS_OFFL_SIR_GOPM_2_20230324T140354_20230324T142740_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T142951_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T145516_20230324T145516_20230324T15511_C001 CS_OFFL_SIR_GOPM_2_20230324T143750_20230324T145516_20230324T15511_C001 CS_OFFL_SIR_GOPM_2_20230324T143750_20230324T15511_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T15511_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T15511_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T15511_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T15511_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T15511_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T15511_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T15511_C001 CC_OCA_Altimeter Range_Quality, OCOG_Altimeter Range and Backscatter Quality Flags have been for one or more records CC_OCA_Altimeter Range_Altimeter	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230324T133300_20230324T133528_C001 CS_OFFL_SIR_GOPM_2_20230324T133300_20230324T133528_C001 CS_OFFL_SIR_GOPM_2_20230324T134347_20230324T134443_C001 CS_OFFL_SIR_GOPM_2_20230324T134347_20230324T134343_C001 CS_OFFL_SIR_GOPM_2_20230324T135108_20230324T135820_C001 CS_OFFL_SIR_GOPM_2_20230324T135108_20230324T135820_C001 CS_OFFL_SIR_GOPM_2_20230324T140354_20230324T142047_C001 CS_OFFL_SIR_GOPM_2_20230324T140354_20230324T142047_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T142951_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T142951_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T142951_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T142951_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T145100_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T145100_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T145100_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T145100_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T145100_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T145100_C001 CS_OFFL_SIR_GOPM_2_20230324T145516_20230324T150511_C001 CS_OFFL_SIR_GOPM_2_20230324T145516_20230324T150511	CS_OFFL_SIR_GOPM_2_20230324T125452_20230324T125656_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
Backscatter Quality CS_OFFL_SIR_GOPM_2_20230324T134347_20230324T134443_C001 Backscatter Quality CS_OFFL_SIR_GOPM_2_20230324T134347_20230324T134443_C001 CS_OFFL_SIR_GOPM_2_20230324T135108_20230324T135820_C001 CS_OFFL_SIR_GOPM_2_20230324T135108_20230324T135820_C001 CS_OFFL_SIR_GOPM_2_20230324T140354_20230324T142047_C001 CS_OFFL_SIR_GOPM_2_20230324T140354_20230324T142047_C001 CS_OFFL_SIR_GOPM_2_20230324T140354_20230324T142047_C001 CS_OFFL_SIR_GOPM_2_20230324T14225_20230324T142740_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T142951_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T142951_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T142951_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T145102_C001 CS_OFFL_SIR_GOPM_2_20230324T145516_20230324T14510511_C001 CS_OFFL_SIR_GOPM_2_20230324T145516_20230324T150511_C001 Backscatter Quality COCG Altimeter Range Quality, OCOG Backscatter Quality Flags have been for one or more records CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T145100_C001 CS_OFFL_SIR_GOPM_2_20230324T145516_20230324T150511_C001 CCCCA Altimeter Range Quality, OCOG Backscatter Quality Flags have been for one or more records CCCCA Altimeter Range Quality, OCOG Backscatter Quality Flags have been for one or more records CCCCA Altimeter Range Quality, OCOG Backscatter Quality Flags have been for one or more records CCCCA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records CCCCA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records CCCCA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records CCCCA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records CCCCA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records CCCCA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records CCCCA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more record	Backscatter Quality CS OFFL SIR GOPM 2 20230324T134347 20230324T134443 C001 CS OFFL SIR GOPM 2 20230324T134347 20230324T135820_C001 CS_OFFL_SIR_GOPM_2_20230324T135108_20230324T135820_C001 CS_OFFL_SIR_GOPM_2_20230324T140354_20230324T142047_C001 CS_OFFL_SIR_GOPM_2_20230324T140354_20230324T142047_C001 CS_OFFL_SIR_GOPM_2_20230324T140354_20230324T142047_C001 CS_OFFL_SIR_GOPM_2_20230324T142255_20230324T142740_C001 CS_OFFL_SIR_GOPM_2_20230324T142255_20230324T142740_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T142951_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T142951_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T14210_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T14210_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T14210_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T14510_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T14510_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_02230324T14510_C001 CS_OFFL_SIR_GOPM_2_20230324T145516_20230324T150511_C001 CS_OFFL_SIR_GOPM_2_20230324T145516_2	CS_OFFL_SIR_GOPM_2_20230324T125942_20230324T133102_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
Backscatter Quality CS_OFFL_SIR_GOPM_2_20230324T135108_20230324T135820_C001 CS_OFFL_SIR_GOPM_2_20230324T135108_20230324T135820_C001 CS_OFFL_SIR_GOPM_2_20230324T140354_20230324T142047_C001 CS_OFFL_SIR_GOPM_2_20230324T140354_20230324T142047_C001 CS_OFFL_SIR_GOPM_2_20230324T14225_20230324T142047_C001 CS_OFFL_SIR_GOPM_2_20230324T14225_20230324T142740_C001 CS_OFFL_SIR_GOPM_2_20230324T14225_20230324T142740_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T142951_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T142951_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T142951_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T145120_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T145120_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T145120_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T145120_C001 CS_OFFL_SIR_GOPM_2_20230324T145516_20230324T150511_C001 CCan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records CS_OFFL_SIR_GOPM_2_20230324T145516_20230324T150511_C001 CCan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records CCAN Altimeter Range and Backscatter Quality Flags have been for one or more records CCAN Altimeter Range Altimeter Range Altimeter Range and Backscatter Quality Flags have been for one or more records CCAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records CCAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records CCAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records CCAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records CCAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records CCAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records CCAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records CCAN Altimeter Range Altimeter Range, S	Backscatter Quality CS_OFFL_SIR_GOPM_2_20230324T135108_20230324T135820_C001 CS_OFFL_SIR_GOPM_2_20230324T135108_20230324T135820_C001 CS_OFFL_SIR_GOPM_2_20230324T140354_20230324T14204T_C001 CS_OFFL_SIR_GOPM_2_20230324T140354_20230324T14204T_C001 CS_OFFL_SIR_GOPM_2_20230324T142225_20230324T14204T_C001 CS_OFFL_SIR_GOPM_2_20230324T142225_20230324T142740_C001 CS_OFFL_SIR_GOPM_2_20230324T142225_20230324T142740_C001 CS_OFFL_SIR_GOPM_2_20230324T14225_20230324T142740_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T142951_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T142951_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T142951_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T145120_C001 CS_OFFL_SIR_GOPM_2_20230324T145516_20230324T150511_C001 CS_OFFL_SIR_GOPM_2_20230324T145	CS_OFFL_SIR_GOPM_2_20230324T133300_20230324T133528_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records CS_OFFL_SIR_GOPM_2_20230324T140354_20230324T142047_C001 CS_OFFL_SIR_GOPM_2_20230324T14225_20230324T142047_C001 CS_OFFL_SIR_GOPM_2_20230324T14225_20230324T142740_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T142951_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T142951_C001 CS_OFFL_SIR_GOPM_2_20230324T143750_20230324T145120_C001 CS_OFFL_SIR_GOPM_2_20230324T145516_20230324T150511_C001 And the OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records CS_OFFL_SIR_GOPM_2_20230324T145516_20230324T145120_C001 CS_OFFL_SIR_GOPM_2_20230324T145516_20230324T150511_C001 CS_OFFL_SIR_GOPM_2_20230324T145516_20230324T150511_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230324T140354_20230324T14204T_C001 CS_OFFL_SIR_GOPM_2_20230324T14225_20230324T14204T_C001 CS_OFFL_SIR_GOPM_2_20230324T14225_20230324T142740_C001 CS_OFFL_SIR_GOPM_2_20230324T14225_20230324T142740_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T142951_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T142951_C001 CS_OFFL_SIR_GOPM_2_20230324T143750_20230324T145120_C001 CS_OFFL_SIR_GOPM_2_20230324T143750_20230324T145120_C001 CS_OFFL_SIR_GOPM_2_20230324T143750_20230324T145120_C001 CS_OFFL_SIR_GOPM_2_20230324T145516_20230324T150716_C001 CS_OFFL_SIR_GOPM_2_20230324T145516_20230324T150716_C0	CS_OFFL_SIR_GOPM_2_20230324T134347_20230324T134443_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPM_2_20230324T142047_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records CS_OFFL_SIR_GOPM_2_20230324T14225_20230324T142740_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T142951_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T142951_C001 CS_OFFL_SIR_GOPM_2_20230324T143750_20230324T145120_C001 CS_OFFL_SIR_GOPM_2_20230324T143750_20230324T145120_C001 CS_OFFL_SIR_GOPM_2_20230324T145516_20230324T150511_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records CS_OFFL_SIR_GOPM_2_20230324T143750_20230324T145120_C001 CS_OFFL_SIR_GOPM_2_20230324T145516_20230324T150511_C001 CS_OFFL_SIR_GOPM_2_20230324T145516_20230324T150511_C001 And the OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records CS_OFFL_SIR_GOPM_2_20230324T145516_20230324T150511_C001 CS_OFFL_SIR_GOPM_2_20230324T145516_20230324T150511_C001 COCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records CS_OFFL_SIR_GOPM_2_20230324T145516_20230324T150511_C001 CCCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records CCCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records CCCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records	CS_OFFL_SIR_GOPM_2_20230324T140354_20230324T142047_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230324T142225_20230324T142740_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T142951_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T142951_C001 CS_OFFL_SIR_GOPM_2_20230324T143750_20230324T145120_C001 CS_OFFL_SIR_GOPM_2_20230324T143750_20230324T145120_C001 CS_OFFL_SIR_GOPM_2_20230324T145120_C001 CS_OFFL_SIR_GOPM_2_20230324T145120_C001 CS_OFFL_SIR_GOPM_2_20230324T14516_20230324T150511_C001 CS_OFFL_SIR_GOPM_2_20230324T14516_20230324T150511_C001 CS_OFFL_SIR_GOPM_2_20230324T14516_20230324T150511_C001 CS_OFFL_SIR_GOPM_2_20230324T14516_20230324T150511_C001 CS_OFFL_SIR_GOPM_2_20230324T14516_20230324T150511_C001 CS_OFFL_SIR_GOPM_2_20230324T14516_20230324T150511_C001 CS_OFFL_SIR_GOPM_2_20230324T145516_20230324T150511_C001 CS_OFFL_SIR_GOPM_2_20230324T145	CS_OFFL_SIR_GOPM_2_20230324T135108_20230324T135820_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_20230324T14225_20230324T142740_C001 Backscatter Quality CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T142951_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T142951_C001 CS_OFFL_SIR_GOPM_2_20230324T143750_20230324T145120_C001 CS_OFFL_SIR_GOPM_2_20230324T143750_20230324T145120_C001 CS_OFFL_SIR_GOPM_2_20230324T145516_20230324T150511_C001 Backscatter Quality COCG Altimeter Range Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records CS_OFFL_SIR_GOPM_2_20230324T145516_20230324T150511_C001 The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records CS_OFFL_SIR_GOPM_2_20230324T145516_20230324T150511_C001	CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T142951_C001 CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T142951_C001 CS_OFFL_SIR_GOPM_2_20230324T143750_20230324T145120_C001 CS_OFFL_SIR_GOPM_2_20230324T143750_20230324T145120_C001 CS_OFFL_SIR_GOPM_2_20230324T145516_20230324T150511_C001 CS_OFFL_SIR_GOPM_2_20230324T145516_20230324T150511_C001 CS_OFFL_SIR_GOPM_2_20230324T145516_20230324T150511_C001 CS_OFFL_SIR_GOPM_2_20230324T145516_20230324T150511_C001 CS_OFFL_SIR_GOPM_2_20230324T150659_20230324T150716_C001	CS_OFFL_SIR_GOPM_2_20230324T140354_20230324T142047_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
Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have be set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records	Backscatter Quality CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T142951_C001 Backscatter Quality CS_OFFL_SIR_GOPM_2_20230324T143750_20230324T145120_C001 CS_OFFL_SIR_GOPM_2_20230324T14516_20230324T150511_C001 Backscatter Quality CS_OFFL_SIR_GOPM_2_20230324T145750_20230324T150716_C001 Backscatter Quality CS_OFFL_SIR_GOPM_2_20230324T143750_20230324T150716_C001 Backscatter Quality CS_OFFL_SIR_GOPM_2_20230324T143750_20230324T150716_C001 Backscatter Quality For one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230324T150659_20230324T150716_C001 CS_OFFL_SIR_GOPM_2_20230324T150659_20230324T150716_C001 CS_OFFL_SIR_GOPM_2_20230324T150659_20230324T150716_C001 CS_OFFL_SIR_GOPM_2_20230324T150659_20230324T150716_C001 CS_OFFL_SIR_GOPM_2_20230324T150659_20230324T150716_C001 CS_OFFL_SIR_GOPM_2_20230324T150659_20230324T150716_C001 CS_OFFL_SIR_GOPM_2_20230324T150659_20230324T150716_C001 CS_OFFL_SIR_GOPM_2_20230324T150659_20230324T150716_C001 CS_OFFL_SIR_GOPM_2_20230324T150659_20230324T150716_C001	CS_OFFL_SIR_GOPM_2_20230324T142225_20230324T142740_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPM_2_20230324T143750_20230324T145120_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been dependent on the ocog Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been dependent on the ocog Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been dependent on the ocog Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been dependent on the ocog Altimeter Range and Backscatter Quality Flags have been dependent on the ocog Altimeter Range and Backscatter Quality Flags have been dependent on the ocog Altimeter Range and Backscatter Quality Flags have been dependent on the ocog Altimeter Range and Backscatter Quality Flags have been dependent on the ocog Altimeter Range and Backscatter Quality Flags have been dependent on the ocog Altimeter Range and Backscatter Quality Flags have been dependent on the ocog Altimeter Range and Backscatter Quality Flags have been dependent on the ocog Altimeter Range and Backscatter Quality Flags have been dependent on the ocog Altimeter Range and Backscatter Quality Flags have been dependent on the ocog Altimeter Range and Backscatter Quality Flags have been dependent on the ocog Altimeter Range and Backscatter Quality Flags have been dependent on the ocog Altimeter Range and Backscatter Quality Flags have been dependent on the ocog Altimeter Range and Backscatter Quality Flags have been dependent on the ocog Altimeter Range and Backscatter Quality Flags have been dependent on the ocog Altimeter Range and Backscatter Quality Flags have been dependent on the ocog Altimeter Range and Backscatter Quality Flags have been dependent on the ocog Altimeter Range and Backscatter Quality Flags have been dependent on the ocog Altimeter Range an	CS_OFFL_SIR_GOPM_2_20230324T143750_20230324T145120_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records CS_OFFL_SIR_GOPM_2_20230324T145516_20230324T150511_C001 CS_OFFL_SIR_GOPM_2_20230324T150659_20230324T150716_C001 and Backscatter Quality, OCOG 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_20230324T150659_20230324T150716_C001 CS_OFFL_SIR_GOPM_2_20230324T150659_20230324T150716_C001 CS_OFFL_SIR_GOPM_2_20230324T150659_20230324T150716_C001 CS_OFFL_SIR_GOPM_2_20230324T150659_20230324T150716_C001 CS_OFFL_SIR_GOPM_2_20230324T150659_20230324T150716_C001	CS_OFFL_SIR_GOPM_2_20230324T142815_20230324T142951_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPM_2_20230324T145516_20230324T150511_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have be	CS_OFFL_SIR_GOPM_2_20230324T145516_20230324T150511_C001 and Backscatter Quality, 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 The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPM_2_20230324T143750_20230324T145120_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
	U.S. OFFI, SIR (30PM / 202303241150659 202303241150716 C001	CS_OFFL_SIR_GOPM_2_20230324T145516_20230324T150511_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
US OFFI SIR (30PM / 202303241150659 202303241150716 C001		CS_OFFL_SIR_GOPM_2_20230324T150659_20230324T150716_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

CS_OFFL_SIR_GOPM_2_20230324T153300_20230324T154055_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_20230324T154502_20230324T155958_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_20230324T160150_20230324T160652_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_20230324T161526_20230324T161641_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_20230324T162039_20230324T162810_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_20230324T163224_20230324T163713_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_20230324T171601_20230324T173909_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_20230324T174223_20230324T174609_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_20230324T175208_20230324T182030_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_20230324T185257_20230324T191836_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_20230324T192006_20230324T192524_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_20230324T192531_20230324T192857_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_20230324T193122_20230324T200525_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_20230324T202857_20230324T204759_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_20230324T205157_20230324T205831_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_20230324T210007_20230324T210802_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_20230324T211049_20230324T214503_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_20230324T215841_20230324T215936_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_20230324T222538_20230324T223801_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_20230324T223939_20230324T224453_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_20230324T225014_20230324T231305_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_20230324T231550_20230324T232512_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_20230324T234639_20230324T234827_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_20230324T235550_20230325T000159_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_20230324T124158_20230324T124353_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_20230324T163713_20230324T163835_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
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L2 Quality Flags (20 Hz PLRM)

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

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

88

Number of products with errors:

An investor Range Quality PLRN Cook Alternetic Range Sunk System Cook Alternetic Range Quality PLRN Cook Alternetic Range Sunk System Cook Alternetic Range Cook Alternetic Range System System Cook Alternetic Range System System Cook Alternetic Range Cook Alternetic R	Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_202303241032918_20230341032913_COOI CS_OFFL_SIR_GOPN_2_202303241032918_20230341032913_COOI CS_OFFL_SIR_GOPN_2_202303241034918_20230341034913_COOI CS_OFFL_SIR_GOPN_2_202303241034918_20230341034913_COOI CS_OFFL_SIR_GOPN_2_202303241034918_20230341034913_COOI CS_OFFL_SIR_GOPN_2_202303241034918_20230341034913_COOI CS_OFFL_SIR_GOPN_2_202303241034918_20230341034913_COOI CS_OFFL_SIR_GOPN_2_202303241034918_20230341034913_COOI CS_OFFL_SIR_GOPN_2_202303241034918_20230341034913_COOI CS_OFFL_SIR_GOPN_2_202303241034918_20230341034913_COOI CS_OFFL_SIR_GOPN_2_202303241034918_20230341034913_COOI CS_OFFL_SIR_GOPN_2_20230324103498_20230341034914_COOI CCCOO Alternator Range_Duality PLRM. CCCO CS_Alternator Range_Duality PLRM. CCCO CS_	CS_OFFL_SIR_GOPN_2_20230324T010956_20230324T011232_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCOG Altimater Range Quality PLRM. OCOG Backscatter Quality The OCOG Range and Backscatter Quality Fligs have been set for one or none records CS_OFFL_SIR_GOPN_2_20230324T04918_20230324T049711_C001 OCOG Altimater Range Quality PLRM. OCOG Backscatter Quality The OCOG Range and Backscatter Quality Fligs have been set for one or none records The OCOG Range and Backscatter Quality Fligs have been set for one or none records The OCOG Range and Backscatter Quality Fligs have been set for one or none records The OCOG Range and Backscatter Quality Fligs have been set for one or none records The OCOG Range and Backscatter Quality Fligs have been set for one or none records The OCOG Range and Backscatter Quality Fligs have been set for one or none records The OCOG Range and Backscatter Quality Fligs have been set for one or none records The OCOG Range and Backscatter Quality Fligs have been set for one or none records The OCOG Range and Backscatter Quality Fligs have been set for one or none records The OCOG Range and Backscatter Quality Fligs have been set for one or none records The OCOG Range and Backscatter Quality Fligs have been set for one or none records CS_OFFL_SIR_GOPN_2_20230324T062338_20230324T062394_QUOI1 Altimater Range and Backscatter Quality Fligs have been set for one or none records CS_OFFL_SIR_GOPN_2_20230324T062386_20230324T062391_QUOI1 Altimater Range and Backscatter Quality Fligs have been set for one or none records CS_OFFL_SIR_GOPN_2_20230324T066415_20230324T0665724_QUOI1 OCOG Altimater Range Quality Fligh, OCOG Range and Backscatter Quality Fligs have been set for one or none records CS_OFFL_SIR_GOPN_2_20230324T066931_20230324T066724_QUOI1 OCOG Altimater Range Quality Fligh, OCOG Range and Backscatter Quality Fligs have been set for one or none records CS_OFFL_SIR_GOPN_2_20230324T066931_20230324T066938_QUOI1 OCOG Altimater Range Quality Fligh, OCOG Range and Backscatter Quality Fligs have been set for one or none records The OCOG Range and Backscatter Quality Fligs have bee	CS_OFFL_SIR_GOPN_2_20230324T011426_20230324T012052_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
OCOG Backscatter Quality FLRM. The OCOG Range and Backscatter Quality Flags have been set for one or ocords. OCS_OFFL_SIR_GOPN_2_20230324T040643_20230324T04298_O001 OCS_Altimeter Range Quality FLRM. The OCOG Range and Backscatter Quality Flags have been set for one or ocords. The OCOG Range and Backscatter Quality Flags have been set for one or ocords. The OCOG Range and Backscatter Quality Flags have been set for one or ocords. The OCOG Range and Backscatter Quality Flags have been set for one or ocords. The OCOG Range and Backscatter Quality Flags have been set for one or ocords. The OCOG Range and Backscatter Quality Flags have been set for one or ocords. The OCOG Range and Backscatter Quality Flags have been set for one or ocords. The OCOG Range and Backscatter Quality Flags have been set for one or ocords. The OCOG Range and Backscatter Quality Flags have been set for one or ocords. The OCOG Range and Backscatter Quality Flags have been set for one or ocords. The OCOG Range and Backscatter Quality Flags have been set for one or ocords. The OCOG Range and Backscatter Quality Flags have been set for one or ocords. The OCOG Range and Backscatter Quality Flags have been set for one or one or one ocords. The OCOG Range and Backscatter Quality Flags have been set for one or one or one or one ocords. The OCOG Range and Backscatter Quality Flags have been set for one or one or one ocords. The OCOG Range and Backscatter Quality Flags have been set for one or one or ocords. The OCOG Range and Backscatter Quality Flags have been set for one or one ocords. The OCOG Range and Backscatter Quality Flags have been set for one or ocords. The OCOG Range and Backscatter Quality Flags have been set for one or ocords. The OCOG Range and Backscatter Quality Flags have been set for one or ocords. The OCOG Range and Backscatter Quality Flags have been set for one or ocords. The OCOG Range and Backscatter Quality Flags have been set for one or ocords. The OCOG Range and Backscatter Quality Flags have been s	CS_OFFL_SIR_GOPN_2_20230324T020910_20230324T021026_C001	_	The OCOG Range and Backscatter Quality Flags have been set for one or more records
OCOG Backscatter Quality OCOG Allimeter Range Quality PLRM. OCOG Backscatter Quality PLRM. OCOG Allimeter Range SNA, SWH and Backscatter Quality Flags have been set for one or more records OCOG Allimeter Range and Backscatter Quality PLRM. OCOG Allimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records OCOG Allimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records OCOG Allimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records OCOG Allimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records OCOG Allimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records OCOG Allimeter Range and Backscatter Quality Flags have been set for one or more records OCOG Allimeter Range and Backscatter Quality Flags have been set for one or more records OCOG Allimeter Range and Backscatter Quality Flags have been set for one or more records OCOG Allimeter Range and Backscatter Quality Flags have been set for one or more records OCOG Allimeter Range Quality PLRM. OCOG Backscatter Quality PLRM. OCOG Backscatter Quality Flags have been set for one or more records OCOG Allimeter Range Quality PLRM. OCOG Backscatter Quality Flags have been set for one or more records OCOG Allimeter Range Quality PLRM. OCOG Backscatter Quality Flags have been set for one or more records OCOG Allimeter Range Quality PLRM. OCOG Backscatter Quality Flags have been set for one or more records OCOG Allimeter Range Quality PLRM. OCOG Backscatter Quality Flags have been set for one or more records OCOG Allimeter Range Quality PLRM. OCOG Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPN_2_20230324T032715_20230324T032913_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
OCG Backscater Quality PLRM. OCG Altimeter Range, SSHA, SWH and Backscater Quality PLRM and Backscater Quality PLRM and Backscater Quality PLRM. OCG Altimeter Range and Backscater Quality PLRM. OCG Backscater Quality PLR	CS_OFFL_SIR_GOPN_2_20230324T034618_20230324T034711_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
SO OFFL SIR GOPN 2 20230324T042728 20230324T052842 C001 and Backscatter Quality PLRM. COOG Altimeter Range and Backscatter Quality Plags have been set for one or more records CS_OFFL_SIR_GOPN_2_20230324T052852_20230324T052821_C001 CS_OFFL_SIR_GOPN_2_20230324T052855_20230324T052821_C001 CS_OFFL_SIR_GOPN_2_20230324T052855_20230324T052821_C001 CS_OFFL_SIR_GOPN_2_20230324T052855_20230324T052821_C001 CS_OFFL_SIR_GOPN_2_20230324T052855_20230324T052821_C001 CS_OFFL_SIR_GOPN_2_20230324T052855_20230324T052821_C001 CS_OFFL_SIR_GOPN_2_20230324T052855_20230324T052851_C001 CS_OFFL_SIR_GOPN_2_20230324T052855_20230324T052851_C001 CS_OFFL_SIR_GOPN_2_20230324T052855_20230324T052851_C001 CS_OFFL_SIR_GOPN_2_20230324T052855_20230324T055755_C001 CS_OFFL_SIR_GOPN_2_20230324T056553_20230324T055755_C001 CS_OFFL_SIR_GOPN_2_20230324T056553_20230324T055755_C001 CCG_Altimeter Range Quality PLRM. COCG Backscatter Quality Flags have been set for one or more records CCG_OFFL_SIR_GOPN_2_20230324T05631_20230324T055755_C001 CCG_OFFL_SIR_GOPN_2_20230324T064600_20230324T054935_C001 CCG_OFFL_SIR_GOPN_2_20230324T064600_20230324T064935_C001 CCG_OFFL_SIR_GOPN_2_20230324T064500_20230324T064935_C001 CCG_OFFL_SIR_GOPN_2_20230324T064500_20230324T064935_C001 CCG_OFFL_SIR_GOPN_2_20230324T064500_20230324T064635_C001 CCG_OFFL_SIR_GOPN_2_20230324T102457_20230324T102832_C001 CCCG_OFFL_SIR_GOPN_2_20230324T102457_20230324T102832_C001 CCCG_Altimeter Range Quality PLRM. COCG Range and Backscatter Quality Flags have been set for one or more records CCCG_Altimeter Range Quality PLRM. COCG Range and Backscatter Quality Flags have been set for one or more records CCCG_Altimeter Range Quality PLRM. COCG Range and Backscatter Quality Flags have been set for one or more records CCCG_Altimeter Range Quality PLRM. COCG Range and Backscatter Quality Flags have been set for one or more records CCCG_Altimeter Range Quality PLRM. COCG Range and Backscatter Quality Flags have been set for one or more records CCCG_Altimeter Range Quality PLRM. COCG Ra	CS_OFFL_SIR_GOPN_2_20230324T040643_20230324T041203_C001	OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
and Backscatter Quality PLRM, COG Altimeter Range and Backscatter Quality Plags have been set for one or more records CS_OFFL_SIR_GOPN_2_20230324T062855_20230324T064913_CO01 CS_OFFL_SIR_GOPN_2_20230324T064415_20230324T064513_CO01 CS_OFFL_SIR_GOPN_2_20230324T064415_20230324T064513_CO01 CS_OFFL_SIR_GOPN_2_20230324T065653_20230324T065724_CO01 CS_OFFL_SIR_GOPN_2_20230324T065653_20230324T065724_CO01 CS_OFFL_SIR_GOPN_2_20230324T064640 CS_OFFL_SIR_GOPN_2_20230324T064660 CS_OFFL_SIR_GOPN_2_20230324T066653_20230324T065724_CO01 CS_OFFL_SIR_GOPN_2_20230324T064600 CS_OFFL_SIR_GOPN_2_20230324T102457 CS_OFFL_SIR_GOPN_2_20230324T102457 CS_OFFL_SIR_GOPN_2_20230324T102457 CS_OFFL_SIR_GOPN_2_20230324T102457 CS_OFFL_SIR_GOPN_2_20230324T111356 COCG_Altimeter Range Quality PLRM. CCCG_Backscatter Quality CCCG_Altimeter Range Quality PLRM. CCCG_Backscatter Quality CCCG_Altimeter Range Quality PLRM. CCCG_Backscatter Quality C	CS_OFFL_SIR_GOPN_2_20230324T042728_20230324T042926_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPN_2_20230324T052855_20230324T052921_C001 and Backscatter Quality PLRM, OCCG Altimeter Range, STATE Altimeter Range and Backscatter Quality PLRM and sankscatter Quality Flags and the OCGG Altimeter Range and Backscatter Quality Flags and the OCGG Altimeter Range and Backscatter Quality Flags and the OCGG Altimeter Range and Backscatter Quality Flags and the OCGG Altimeter Range and Backscatter Quality Flags and the OCGG Altimeter Range and Backscatter Quality Flags and the OCGG Altimeter Range and Backscatter Quality Flags and the OCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20230324T066653_20230324T066724_C001 CCG_Altimeter Range Quality PLRM, OCCG Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20230324T075631_20230324T075759_C001 CCG_Altimeter Range Quality PLRM, OCCG Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20230324T084600_20230324T084935_C001 CCG_Altimeter Range Quality PLRM, OCCG Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20230324T084613_20230324T084935_C001 CCG_Altimeter Range Quality PLRM, OCCG Backscatter Quality Flags have been set for one or more records CCG_Altimeter Range Quality PLRM, OCCG Backscatter Quality Flags have been set for one or more records CCG_Altimeter Range Quality PLRM, OCCG Backscatter Quality Flags have been set for one or more records CCG_Altimeter Range Quality PLRM, OCCG Backscatter Quality Flags have been set for one or more records CCG_Altimeter Range Quality PLRM, OCCG Backscatter Quality Flags have been set for one or more records CCG_Altimeter Range Quality PLRM, OCCG_Range and Backscatter Quality Flags have been set for one or more records CCG_Altimeter Range Quality PLRM, OCCG_Range and Backscatter Quality Flags have been set for one or more records CCG_Altimeter Range Quality PLRM, OCCG_Range and Backscatter Quality Flags have been set for one or more records CC	CS_OFFL_SIR_GOPN_2_20230324T052338_20230324T052849_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPN_2_20230324T065653_20230324T065724_C001 CS_OFFL_SIR_GOPN_2_20230324T075631_20230324T075759_C001 CS_OFFL_SIR_GOPN_2_20230324T075631_20230324T075759_C001 CS_OFFL_SIR_GOPN_2_20230324T084600_20230324T084935_C001 CS_OFFL_SIR_GOPN_2_20230324T084600_20230324T084935_C001 CS_OFFL_SIR_GOPN_2_20230324T092613_20230324T092937_C001 CS_OFFL_SIR_GOPN_2_20230324T092613_20230324T092937_C001 CS_OFFL_SIR_GOPN_2_20230324T092613_20230324T092937_C001 CS_OFFL_SIR_GOPN_2_20230324T092613_20230324T092937_C001 CS_OFFL_SIR_GOPN_2_20230324T102457_20230324T102832_C001 CCG_Altimeter Range Quality PLRM, COCG_Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20230324T102457_20230324T102832_C001 CCG_Altimeter Range Quality PLRM, COCG_Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20230324T102457_20230324T102832_C001 CCG_Altimeter Range Quality PLRM, COCG_Backscatter Quality Flags have been set for one or more records CCG_BAltimeter Range Quality PLRM, COCG_Backscatter Quality Flags have been set for one or more records CCG_BAltimeter Range Quality PLRM, COCG_Backscatter Quality Flags have been set for one or more records CCG_BAltimeter Range Quality PLRM, COCG_Backscatter Quality Flags have been set for one or more records CCG_BAltimeter Range Quality PLRM, COCG_Backscatter Quality Flags have been set for one or more records CCG_BAltimeter Range Quality PLRM, COCG_Backscatter Quality Flags have been set for one or more records CCG_BAltimeter Range Quality PLRM, COCG_Backscatter Quality Flags have been set for one or more records CCG_BAltimeter Range Quality PLRM, COCG_Backscatter Quality Flags have been set for one or more records CCG_BAltimeter Range Quality PLRM, COCG_Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPN_2_20230324T052855_20230324T052921_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCOG Backscatter Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20230324T084600_20230324T084935_C001 CS_OFFL_SIR_GOPN_2_20230324T084600_20230324T084935_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPN_2_20230324T064415_20230324T064513_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
OCOG Backscatter Quality CS_OFFL_SIR_GOPN_2_20230324T084600_20230324T084935_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPN_2_20230324T065653_20230324T065724_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20230324T092613_20230324T102832_C001 CS_OFFL_SIR_GOPN_2_20230324T102457_20230324T102832_C001 CS_OFFL_SIR_GOPN_2_20230324T102457_20230324T102832_C001 CS_OFFL_SIR_GOPN_2_20230324T11355_20230324T111518_C001 CS_OFFL_SIR_GOPN_2_20230324T11355_20230324T111518_C001 CS_OFFL_SIR_GOPN_2_20230324T11355_20230324T111355_20230324T111355_20230324T11355_20	CS_OFFL_SIR_GOPN_2_20230324T075631_20230324T075759_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20230324T102457_20230324T102832_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20230324T11355_20230324T111518_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPN_2_20230324T084600_20230324T084935_C001	_	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20230324T102457_20230324T102832_C001 OCOG Backscatter Quality OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPN_2_20230324T092613_20230324T092937_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20230324T1T355_20230324T1T518_C001 OCOG Backscatter Quality more records OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or	CS_OFFL_SIR_GOPN_2_20230324T102457_20230324T102832_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
L.S. UFFL SIR (BUPN) / 70/303741113930 70/303741113890 1.001	CS_OFFL_SIR_GOPN_2_20230324T111355_20230324T111518_C001		
OCOG Backscatter Quality more records	CS_OFFL_SIR_GOPN_2_20230324T113530_20230324T113856_C001	OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
PLRM Ocean Altimeter Range and Backscatter Quality set for one or more records	CS_OFFL_SIR_GOPN_2_20230324T115452_20230324T115730_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20230324T151031_20230324T151123_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPN_2_20230324T151031_20230324T151123_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPN_2_20230324T153014_20230324T153300_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPN_2_20230324T153014_20230324T153300_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20230324T160831_20230324T161240_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPN_2_20230324T160831_20230324T161240_C001	1	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20230324T161641_20230324T162039_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPN_2_20230324T161641_20230324T162039_C001	1	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20230324T162810_20230324T163224_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPN_2_20230324T162810_20230324T163224_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records

CS_OFFL_SIR_GOPN_2_20230324T164916_20230324T165420_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_20230324T171021_20230324T171420_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_20230324T182706_20230324T183244_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_20230324T184858_20230324T185026_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_20230324T220121_20230324T220244_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_20230324T221518_20230324T221703_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_20230324T224453_20230324T224755_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_20230324T235403_20230324T235550_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_20230324T001645_20230324T001703_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_20230324T001811_20230324T002511_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_20230324T002511_20230324T004000_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_20230324T010637_20230324T010955_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_20230324T015140_20230324T015217_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_20230324T015238_20230324T015419_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_20230324T015755_20230324T020401_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_20230324T022737_20230324T022943_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_20230324T033740_20230324T033839_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_20230324T033844_20230324T033936_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_20230324T033952_20230324T034132_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_20230324T034132_20230324T034424_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_20230324T034712_20230324T034858_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_20230324T035026_20230324T035148_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_20230324T045826_20230324T045911_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_20230324T050123_20230324T050320_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_20230324T051638_20230324T051759_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_20230324T051759_20230324T052338_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_20230324T053745_20230324T053839_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_20230324T065433_20230324T065653_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_20230324T065724_20230324T065833_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_20230324T065854_20230324T070358_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_20230324T082722_20230324T082737_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_20230324T083244_20230324T083429_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_20230324T083615_20230324T084600_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_20230324T100319_20230324T100657_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_20230324T100930_20230324T101215_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_20230324T101626_20230324T102457_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_20230324T114606_20230324T114938_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_20230324T114938_20230324T115452_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_20230324T115730_20230324T120514_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_20230324T133632_20230324T134347_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_20230324T134610_20230324T135108_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_20230324T135820_20230324T140301_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_20230324T145120_20230324T145333_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_20230324T150716_20230324T151031_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_20230324T151123_20230324T151331_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_20230324T151548_20230324T152232_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_20230324T155958_20230324T160003_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_20230324T160652_20230324T160659_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_20230324T163836_20230324T163956_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_20230324T165421_20230324T165943_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_20230324T183244_20230324T183746_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_20230324T183746_20230324T184228_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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nge, SSHA, SWH and Backscatter Quality Flags Range and Backscatter Quality Flags have been ds

L2 Quality Flags (1 Hz & 1 Hz PLRM)

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

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

Number of products with errors: 194

5.8 L2 Ocean Retracking Quality Check

L2 Retracking Flags (20 Hz)

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

Ocean Retracking Quality Flag: This flag is currently set for products over land and sea ice, but this is to be expected. The number of products with this error flag set is given below.

Number of products with errors: 65

L2 Retracking Flags (20 Hz PLRM)

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

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

Number of products with errors: 146

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

6.1 P2P Product Format Check

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

Number of products with errors: 0

6.2 P2P Product Header Analysis

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

Number of products with errors:

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:

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).

0

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

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

Number of products with errors:

30

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220230323T233429_20230324T002405_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_220230324T002405_20230324T011344_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_220230324T011344_20230324T020320_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_220230324T020320_20230324T025259_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_220230324T025259_20230324T034235_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_220230324T034235_20230324T043213_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_220230324T043213_20230324T052149_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_220230324T052149_20230324T061128_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_220230324T061128_20230324T070104_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_220230324T070104_20230324T075043_C001	TIGE (FES). Non-Equilibrium Long Period	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_220230324T075043_20230324T084019_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_220230324T084019_20230324T092958_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_220230324T092958_20230324T101934_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_220230324T101934_20230324T110912_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_20230324T110912_20230324T115848_C001	Topography (1), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_220230324T115848_20230324T124827_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_220230324T124827_20230324T133803_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_220230324T133803_20230324T142742_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_20230324T142742_20230324T151718_C001	THOE (FES) NON-FOUIDDOUDD LONG PENOG	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_220230324T151718_20230324T160656_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_220230324T160656_20230324T165632_C001	TIGE (FES). Non-Equilibrium Long Period	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_220230324T165632_20230324T174611_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_220230324T174611_20230324T183547_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_220230324T183547_20230324T192526_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_220230324T192526_20230324T201502_C001	Topography (1), Total Geocentric Ocean	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_220230324T201502_20230324T210441_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_220230324T210441_20230324T215417_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_20230324T215417_20230324T224356_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

Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records

There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records

Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records

There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

6.5 P2P Measurement Confidence Data Check

CryoSat P2P data includes a measurement confidence flag for each 20 Hz measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

P2P Quality Flags (20 Hz)

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

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

0

Number of products with errors: 30

P2P Quality Flags (20 Hz PLRM)

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

Number of products with errors: 30

P2P Quality Flags (1 Hz & 1 Hz PLRM)

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

Number of products with errors: 30

6.8 P2P Ocean Retracking Quality Check

P2P Retracking Flags (20 Hz)

Cryosat P2P data includes an ocean retracking quality flag (field 19) for each 20 Hz measurement record. The bit value of this flag indicates any problems when set.

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

Number of products with errors: 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: 30

7. GOP QCC Report Analysis

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

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_GOPM1B	180	180	4	176	0
SIR_GOPR1B	128	128	0	128	0
SIR_GOPN1B	99	99	4	95	0
SIR_GOPM_2	180	180	123	57	0
SIR_GOPR_2	128	128	44	83	1
SIR_GOPN_2	99	99	38	61	0
SIR_GOP_P2P	29	29	0	28	1

7.1 QCC Errors

Number of QCC reports with errors:

2

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:	est 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

Number of QCC reports with warnings

1927

Total number of occurrences of each warning

Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD
SIR_GOPM1B	176	0	0	0	0	0	0
SIR_GOPM_2	0	0	40	41	0	43	0
SIR_GOPN1B	91	0	0	0	0	0	0
SIR_GOPN_2	0	0	11	36	6	28	30
SIR_GOPR1B	123	0	0	0	0	0	0
SIR_GOPR_2	0	1	25	40	1	28	24

Product Type	RBSZOPOEPNCDF	RDTCONCDF	RNELPOTONCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNC	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	34	0	0	33	0	0	0
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	20	1	0	0	0	21	0
SIR_GOPR1B	0	0	0	0	0	0	0
SIR_GOPR_2	13	0	1	0	42	0	52

Product Type	RPEPOPFDSINNCDF	RPEPOPLRMNCDF	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	0	23	0	0	4	30	0
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	34	0	0	24	13	39	50
SIR_GOPR1B	0	0	0	0	0	0	0
SIR_GOPR_2	0	0	44	0	0	56	31

Product Type	RSSHAONCDF	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHRTASCNSNCDF	SPHRTASCNSNCDF	SOOHHIFHD
SIR_GOPM1B	0	0	0	0	0	1	0
SIR_GOPM_2	5	39	0	2	0	1	0
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	28	31	34	16	1	0	0
SIR_GOPR1B	0	0	0	0	0	0	0
SIR_GOPR_2	13	27	39	2	0	0	4

Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD	RBSZOPOEPNCDF
SIR_GOP_2_	15	26	29		28	16	28

Product Type	RDTCONCDF	RPEPOPFDPLRMSINNCDI	RPEPOPFDSINNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF
SIR_GOP_2_	1	14	26	19		29	18

Product Type	RSSHAONCDF	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHLPQWNCDF	-	-
SIR_GOP_2_	22	28	15		29		

Test Description Key:							
Abbreviation	Test name	Details					
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter					
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 latitude between -70 and 70 degrees					
RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitude between -70 and 70 degrees					
RDTCONCDF	RangeDryTroposphericCorrectionOceanNetCDF	The Dry tropospheric correction should be between -2500mm and -1900mm (or missing) for surface type = ocean - NetCDF					
RNELPOTONCDF	RangeNELPOceanTideOceanNetCDF	The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing) for surface type = ocean					
RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPFDPLRMSAR NCDF	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPFDPLRMSINN CDF	RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPFDSARNCDF	RangePeakinessExcludingPolarOPFD2SARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPFDSINNCDF	RangePeakinessExcludingPolarOPFD2SINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPLRMNCDF	RangePeakinessExcludingPolarOPLRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPSARNCDF	RangePeakinessExcludingPolarOPSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPSINNCDF	RangePeakinessExcludingPolarOPSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RSSBCONCDF	RangeSeaStateBiasCorrectionOceanNetCDF	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean					
RSSHAOFDNCDF	RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean					
RSSHAOFDPLRMNCD F	RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean					
RSSHAONCDF	RangeSeaSurfaceHeightAnomalyOceanNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean					
RSWHOEPFDNCDF	RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RSWHOEPFDPLRMNC DF	RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RSWHOEPNCDF	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node_Start_v2_NetCDF	Rel_Time_ASC_Node_Start mismatch (DBL ASC, rounded up to 0.1)					
SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node_Stop_v2_NetCDF	Rel_Time_ASC_Node_Stop mismatch					

7.3 Missing QCC Reports

Number of products with missing QCC reports:

P2P Product name

L1B and L2 Product name n/a

CS_OFFL_SIR_GOP_2__20230324T233331_20230325T002310_C002