

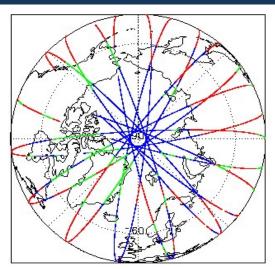
1. Overview

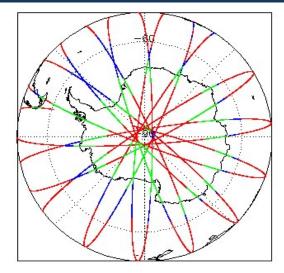
Report Production:	16-Jun-2022		
Processor Used:	CryoSat Ocean Processor		
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data		

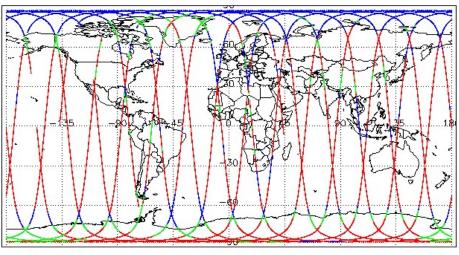
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary 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, 7.2 and 7.3	See Section 7.1, 7.2 and 7.3

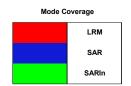
Mission / Instrument News		
13-May-2022	None	
14-May-2022	None	
15-May-2022	Nothing planned	

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use:	SIRAL - A
-----------------------------	-----------

4. GOP Level 1B Data Quality Check

4.1 L1B Product Format Check

4.2 L1B Product Header Analysis

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

L1B Processing Quality HR: The Ib_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.

mber 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.

0

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:

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:

26

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20220514T015819_20220514T020209_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20220514T032418_20220514T032850_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20220514T132633_20220514T133104_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20220514T191804_20220514T191905_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220514T034002_20220514T034300_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220514T065901_20220514T070116_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220514T080241_20220514T080425_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220514T134512_20220514T134603_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220514T170022_20220514T170435_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220514T184212_20220514T184442_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220514T201839_20220514T202033_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220514T001230_20220514T001423_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220514T002326_20220514T003132_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220514T014907_20220514T015308_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:

5.2 L2 Product Header Analysis

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

Number of products with errors:

0

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

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.

Draduct	Test Failed	Decovirátion
Product CS_OFFL_SIR_GOPM_2_20220514T001424_20220514T001531_C001	Mean Dynamic Topography (1)	Description There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPM_2_20220514T102745_20220514T102823_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_20220514T011150_20220514T011508_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_20220514T012029_20220514T012148_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_20220514T025041_20220514T025401_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_20220514T025925_20220514T030049_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_20220514T034002_20220514T034300_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_20220514T043742_20220514T043918_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_20220514T052101_20220514T052201_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_20220514T061517_20220514T061726_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_20220514T081528_20220514T081656_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_20220514T083538_20220514T083943_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_20220514T093504_20220514T093705_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_20220514T142346_20220514T142511_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_20220514T143023_20220514T143326_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_20220514T160409_20220514T160708_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_20220514T160926_20220514T161444_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_20220514T170022_20220514T170435_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_20220514T174403_20220514T174638_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_20220514T183915_20220514T184029_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_20220514T184212_20220514T184442_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20220514T191905_20220514T192502_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_20220514T201839_20220514T202033_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_20220514T210120_20220514T210311_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_20220514T224100_20220514T224238_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_20220514T001230_20220514T001423_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_20220514T001759_20220514T002000_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_20220514T002326_20220514T003132_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_20220514T020209_20220514T021043_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_20220514T034306_20220514T035023_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_20220514T052201_20220514T052744_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_20220514T070116_20220514T070529_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_20220514T070529_20220514T070800_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_20220514T083943_20220514T084505_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_20220514T101806_20220514T102745_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_20220514T115523_20220514T120255_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_20220514T133421_20220514T134113_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_20220514T134114_20220514T134417_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the GPD Wet Tropospheric correction, the MSS height (solution 1) and tidal corrections for one or more records
CS_OFFL_SIR_GOPR_2_20220514T151300_20220514T152014_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_20220514T152014_20220514T152223_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_20220514T165445_20220514T165909_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_20220514T165909_20220514T170022_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_20220514T183243_20220514T183739_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_20220514T183739_20220514T183915_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_20220514T201228_20220514T201839_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_20220514T214958_20220514T215221_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_20220514T215403_20220514T215819_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_20220514T232818_20220514T233903_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

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:

80

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20220513T234346_20220514T001224_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_20220514T003445_20220514T010822_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_20220514T011508_20220514T012029_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_20220514T012300_20220514T012624_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_20220514T012704_20220514T012826_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_20220514T015819_20220514T020209_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_20220514T021353_20220514T022309_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_20220514T022555_20220514T024755_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_20220514T030220_20220514T031430_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_20220514T031617_20220514T032217_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_20220514T035303_20220514T042628_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_20220514T042909_20220514T043411_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_20220514T044511_20220514T051616_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_20220514T051916_20220514T052101_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_20220514T053652_20220514T054352_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_20220514T054730_20220514T054946_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_20220514T054949_20220514T060556_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_20220514T060800_20220514T061310_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_20220514T061316_20220514T061323_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_20220514T062258_20220514T063326_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_20220514T063905_20220514T065152_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_20220514T071836_20220514T072853_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_20220514T073033_20220514T074450_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_20220514T074721_20220514T075221_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_20220514T075302_20220514T075404_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_20220514T080425_20220514T081528_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_20220514T081656_20220514T082244_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_20220514T082527_20220514T083224_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_20220514T090132_20220514T092345_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_20220514T092759_20220514T093139_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_20220514T093146_20220514T093155_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_20220514T093820_20220514T100525_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_20220514T103921_20220514T110348_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_20220514T110543_20220514T111054_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_20220514T111801_20220514T115127_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_20220514T121516_20220514T122124_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_20220514T123733_20220514T124307_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_20220514T124543_20220514T125128_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_20220514T125151_20220514T125330_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_20220514T125735_20220514T131514_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_20220514T132633_20220514T133104_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_20220514T140234_20220514T142221_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_20220514T142512_20220514T143023_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_20220514T143644_20220514T145836_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_20220514T145917_20220514T151048_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_20220514T152223_20220514T152442_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_20220514T154023_20220514T160017_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_20220514T160709_20220514T160926_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_20220514T161635_20220514T164859_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_20220514T165200_20220514T165214_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_20220514T170515_20220514T172407_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_20220514T172439_20220514T173744_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_20220514T174638_20220514T174835_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_20220514T175009_20220514T175338_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_20220514T175533_20220514T181058_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_20220514T181300_20220514T182221_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_20220514T184445_20220514T184705_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_20220514T184908_20220514T190140_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_20220514T191804_20220514T191905_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_20220514T192502_20220514T192759_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_20220514T193514_20220514T194928_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_20220514T202757_20220514T203347_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_20220514T203631_20220514T210011_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_20220514T210312_20220514T211140_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_20220514T211448_20220514T213948_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_20220514T221257_20220514T221306_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_20220514T221456_20220514T223900_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_20220514T224525_20220514T224941_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_20220514T225339_20220514T232053_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_20220514T232058_20220514T232249_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_20220514T232550_20220514T232818_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_20220514T234554_20220515T001757_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_20220514T011150_20220514T011508_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_20220514T065505_20220514T065733_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_20220514T134512_20220514T134603_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPR_2_20220514T034306_20220514T035023_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPR_2_20220514T110348_20220514T110406_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPR_2_20220514T121403_20220514T121422_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPR_2_20220514T134624_20220514T135001_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPR_2_20220514T215403_20220514T215819_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (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.

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

CS_OFFL_SIR_GOPN_2_20220514T025041_20220514T025401_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_20220514T025925_20220514T030049_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_20220514T034002_20220514T034300_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_20220514T052744_20220514T052759_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_20220514T061517_20220514T061726_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_20220514T065505_20220514T065733_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_20220514T065901_20220514T070116_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_20220514T071640_20220514T071836_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_20220514T080241_20220514T080425_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_20220514T081528_20220514T081656_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_20220514T083538_20220514T083943_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_20220514T085603_20220514T085954_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_20220514T092608_20220514T092759_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_20220514T093139_20220514T093146_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_20220514T102823_20220514T102938_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_20220514T103620_20220514T103800_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_20220514T110406_20220514T110542_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_20220514T111429_20220514T111555_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_20220514T115127_20220514T115521_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_20220514T133107_20220514T133421_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_20220514T140050_20220514T140234_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_20220514T142346_20220514T142511_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_20220514T153940_20220514T154023_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_20220514T160409_20220514T160708_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_20220514T160926_20220514T161444_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_20220514T170022_20220514T170435_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records

0.000 Almost Region Could p Flags A			
COOR Service Country COOR All Country Reging Country COOR All Country COOR All Country Reging Country COOR All Count	CS_OFFL_SIR_GOPN_2_20220514T174835_20220514T175009_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	
COOR Security Full Process of Coop Age and Bedecotter Castly Flags have been set for one or new recents. Coop First Set GOPN 2 2822051471943 20220514719494 COOP	CS_OFFL_SIR_GOPN_2_20220514T182222_20220514T182554_C001		
Delign	CS_OFFL_SIR_GOPN_2_20220514T183915_20220514T184029_C001		
Co. OFFL. SR. GOPh. 2. 202295417919242 202205417919242 CO01	CS_OFFL_SIR_GOPN_2_20220514T184212_20220514T184442_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS. OFFL. SR. GOPN 2. 202205141190406. 202205141190502. COORD Selectorists Casilly Final Price Final	CS_OFFL_SIR_GOPN_2_20220514T190141_20220514T190621_C001		
DOGG Sadesates Custary Text	CS_OFFL_SIR_GOPN_2_20220514T191703_20220514T191804_C001		
25_0FFL_SIR_GOPPL_2_20220541703246_202254170312_001	CS_OFFL_SIR_GOPN_2_20220514T191905_20220514T192502_C001		
SB_OFFL_SIR_GOPN_2_20220614T201026_20220614T20101_0001 CB_OFFL_SIR_GOPN_2_20220614T201026_20220614T20101_0001 CB_OFFL_SIR_GOPN_2_20220614T201026_20220614T201001_0001 CB_OFFL_SIR_GOPN_2_20220614T201026_20220614T201001_0001 CB_OFFL_SIR_GOPN_2_20220614T201026_20220614T202000_0001 CB_OFFL_SIR_GOPN_2_20220614T20400_20220614T202000_0001 CB_OFFL_SIR_GOPN_2_20220614T20400_20220614T202000_0001 CB_OFFL_SIR_GOPN_2_20220614T20400_20220614T202000_0001 CB_OFFL_SIR_GOPN_2_20220614T20400_20220614T202000_0001 CB_OFFL_SIR_GOPN_2_20220614T20400_20220614T202000_0001 CB_OFFL_SIR_GOPN_2_20220614T20400_20220614T202000_0001 CB_OFFL_SIR_GOPN_2_20220614T20400_20220614T202000_0001 CB_OFFL_SIR_GOPN_2_20220614T002100_20001 CB_OFFL_SIR_GOPN_2_20220614T002100_00010 CB_OFFL_SIR_GOPN_2_20220614	CS_OFFL_SIR_GOPN_2_20220514T193240_20220514T193424_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCC Backscater Quality PLRM. CS_OFFL_SIR_GOPFL_2_0220514T224985_0220514T221103_ODD1 OCS Altmeter Range Quality PLRM. CS_OFFL_SIR_GOPFL_2_0220514T224402_020514T224428_ODD1 OCS Altmeter Range Quality PLRM. CS_OFFL_SIR_GOPFL_2_0220514T224402_20220514T224238_ODD1 OCS Altmeter Range Quality PLRM. CS_OFFL_SIR_GOPFL_2_0220514T224402_20220514T224238_ODD1 OCS Altmeter Range Quality PLRM. CS_OFFL_SIR_GOPFL_2_0220514T224402_20220514T224238_ODD1 OCS Altmeter Range Quality PLRM. CS_OFFL_SIR_GOPFL_2_0220514T024402_20220514T022423_ODD1 OCS Altmeter Range Quality PLRM. CS_OFFL_SIR_GOPFL_2_0220514T024402_20220514T022052_ODD1 OCS Altmeter Range Quality PLRM. CS_OFFL_SIR_GOPFL_2_0220514T001759_0020514T00200_ODD1 OCS Altmeter Range Quality PLRM. CS_OFFL_SIR_GOPFL_2_0220514T001759_0020514T00200_ODD1 OCS Altmeter Range Quality PLRM. CS_OFFL_SIR_GOPFL_2_0220514T001759_0020514T00200_ODD1 OCS Altmeter Range SIRA_SIVI- and Backscatter Quality PLRM. CS_OFFL_SIR_GOPFL_2_0220514T001759_0020514T002012_ODD1 OCS Altmeter Range SIRA_SIVI- and Backscatter Quality PLRM. CS_OFFL_SIR_GOPFL_2_0220514T001759_0020514T002012_ODD1 OCS Altmeter Range SIRA_SIVI- and Backscatter Quality PLRM. CS_OFFL_SIR_GOPFL_2_0220514T001759_0020514T002012_ODD1 OCS Altmeter Range SIRA_SIVI- and Backscatter Quality PLRM. CS_OFFL_SIR_GOPFL_2_0220514T001823_0020514T002012_ODD1 OCS Altmeter Range SIRA_SIVI- and Backscatter Quality PLRM. CS_OFFL_SIR_GOPFL_2_0220514T001823_0020514T0019132_ODD1 OCS Altmeter Range SIRA_SIVI- and Backscatter Quality PLRM. CS_OFFL_SIR_GOPFL_2_0220514T001823_0020514T0019132_ODD1 OCS Altmeter Range SIRA_SIVI- and Backscatter Quality PLRM. CS_OFFL_SIR_GOPFL_2_0220514T001823_0020514T0019132_ODD1 OCS Altmeter Range and Backscatter Quality Plags have been set for one or more records CS_OFFL_SIR_GOPFL_2_0220514T001802_0020514T005012_ODD1 OCS Altmeter Range and Backscatter Quality Plags have been set for one or more records CS_OFFL_SIR_GOPFL_2_0220514T005012_0020514T005012_ODD1 OCS Altmeter Range and Backscatter Quality Plags have been set for one or	CS_OFFL_SIR_GOPN_2_20220514T202046_20220514T202100_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. CS_OFFL_SIR_GOPN_2_20220514T224400_20220514T224438_C001 OCOG Altimeter Range and Backscatter Quality Flags and the COCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20220514T224402_20220514T224525_C001 OCOG Altimeter Range Quality PLRM. CS_OFFL_SIR_GOPN_2_20220514T224402_20220514T225232_C001 OCOG Altimeter Range Quality PLRM. OCOG Backscatter Quality PLRM. OCOG Backsca	CS_OFFL_SIR_GOPN_2_20220514T210120_20220514T210311_C001		
os_offl_sir_Gorn_2_20220514T224100_20220514T224235_C001 occord_Allimeter 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_GOFR_2_20220514T002132_C001 CS_OFFL_SIR_GOFR_2_20220514T002336_20220514T003132_C001 CS_OFFL_SIR_GOFR_2_20220514T002336_20220514T003132_C001 CS_OFFL_SIR_GOFR_2_20220514T002336_20220514T003132_C001 CS_OFFL_SIR_GOFR_2_20220514T015510_20220514T0015701_C001 CS_OFFL_SIR_GOFR_2_20220514T015510_20220514T015701_C001 CS_OFFL_SIR_GOFR_2_20220514T015510_20220514T015701_C001 CS_OFFL_SIR_GOFR_2_20220514T04308_20220514T025022_C001 CS_OFFL_SIR_GOFR_2_20220514T04308_20220514T025022_C001 CS_OFFL_SIR_GOFR_2_20220514T04308_20220514T035022_C001 CS_OFFL_SIR_GOFR_2_20220514T04308_20220514T035022_C001 CS_OFFL_SIR_GOFR_2_20220514T04308_20220514T035022_C001 CS_OFFL_SIR_GOFR_2_20220514T04308_20220514T035022_C001 CS_OFFL_SIR_GOFR_2_20220514T04308_20220514T044089_C001 CS_OFFL_SIR_GOFR_2_20220514T04308_20220514T044089_C001 CS_OFFL_SIR_GOFR_2_20220514T04308_20220514T044089_C001 CS_OFFL_SIR_GOFR_2_20220514T04308_20220514T044089_C001 CS_OFFL_SIR_GOFR_	CS_OFFL_SIR_GOPN_2_20220514T220858_20220514T221103_C001	OCOG Backscatter Quality	
CS_OFFL_SIR_GOPR_2_20220514T024942_20220514T023532_C001 CS_OFFL_SIR_GOPR_2_20220514T024942_20220514T002312_C001 CS_OFFL_SIR_GOPR_2_20220514T00243_20220514T002312_C001 CS_OFFL_SIR_GOPR_2_20220514T00243_20220514T002312_C001 CS_OFFL_SIR_GOPR_2_20220514T00243_20220514T002312_C001 CS_OFFL_SIR_GOPR_2_20220514T002332_20220514T002312_C001 CS_OFFL_SIR_GOPR_2_20220514T002332_20220514T003132_C001 CS_OFFL_SIR_GOPR_2_20220514T002332_20220514T003132_C001 CS_OFFL_SIR_GOPR_2_20220514T002332_20220514T003132_C001 CS_OFFL_SIR_GOPR_2_20220514T003332_20220514T011150_C001 CS_OFFL_SIR_GOPR_2_20220514T00332_20220514T011150_C001 CS_OFFL_SIR_GOPR_2_20220514T00332_20220514T011150_C001 CS_OFFL_SIR_GOPR_2_20220514T00332_20220514T01150_C001 CS_OFFL_SIR_GOPR_2_20220514T003032_20220514T01150_C001 CS_OFFL_SIR_GOPR_2_20220514T003032_20220514T0103032_C001 CS_OFFL_SIR_GOPR_2_20220514T030302_20220514T0103032_C001 CS_OFFL_SIR_GOPR_2_20220514T030302_20220514T030303_C001 CS_OFFL_SIR_GOPR_2_20220514T030302_20220514T030303_C001 CS_OFFL_SIR_GOPR_2_20220514T030302_C001 CCS_OFFL_SIR_GOPR_2_20220514T030302_C001 CCS_OFFL_SIR_GOPR_2_20220514T030302_C001 CCS_OFFL_SIR_GOPR_2_20220514T030302_C001 CCS_OFFL_SIR_GOPR_2_20220514T030302_C001 CCS_OFFL_SIR_GOPR_2_20220514T030302_C001 CCS_OFFL_SIR_GOPR_2_20220514T030302_C001 CCS_OFFL_SIR_GOPR_2_20220514T030302_C001 CCS_OFFL_SIR_GOPR_2_20220514T030302_C001 CCS_OFFL_SIR_GOPR_2_20220514T03030	CS_OFFL_SIR_GOPN_2_20220514T224100_20220514T224238_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_GOPR_2_20220514T002312_C0001 CS_OFFL_SIR_GOPR_2_20220514T002312_C001 CS_OFFL_SIR_GOPR_2_20220514T002312_C001 CS_OFFL_SIR_GOPR_2_20220514T002328_20220514T002312_C001 CS_OFFL_SIR_GOPR_2_20220514T002328_20220514T003132_C001 CS_OFFL_SIR_GOPR_2_20220514T003528_20220514T003032_C001 CS_OFFL_SIR_GOPR_2_20220514T003528_20220514T003032_C001 CS_OFFL_SIR_GOPR_2_20220514T003032_20220514T003032_C001 CS_OFFL_SIR_GOPR_2_20220514T003032_20220514T003032_C001 CS_OFFL_SIR_GOPR_2_20220514T003032_C001 CS_OFFL_SI	CS_OFFL_SIR_GOPN_2_20220514T224402_20220514T224525_C001		
and Backscatter Quality PLRM, COCG Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_GOPR_2_20220514T002143_20220514T002312_C011 CS_OFFL_SIR_GOPR_2_20220514T002326_20220514T002312_C011 CS_OFFL_SIR_GOPR_2_20220514T002326_20220514T003332_C011 CS_OFFL_SIR_GOPR_2_20220514T002326_20220514T003332_C011 CS_OFFL_SIR_GOPR_2_20220514T002326_20220514T003332_C011 CS_OFFL_SIR_GOPR_2_20220514T010823_20220514T01150_C011 CS_OFFL_SIR_GOPR_2_20220514T010823_20220514T01150_C011 CS_OFFL_SIR_GOPR_2_20220514T010823_20220514T01150_C011 CS_OFFL_SIR_GOPR_2_20220514T010823_20220514T01150_C011 CS_OFFL_SIR_GOPR_2_20220514T010823_20220514T01150_C011 CS_OFFL_SIR_GOPR_2_20220514T010823_20220514T010820_C011 CS_OFFL_SIR_GOPR_2_20220514T010823_20220514T010820_C011 CS_OFFL_SIR_GOPR_2_20220514T010820_C011 CS_OFFL_SIR_GOPR_2_20220514T010820_C011 CS_OFFL_SIR_GOPR_2_20220514T010820_C011 CS_OFFL_SIR_GOPR_2_20220514T010820_C011 CS_OFFL_SIR_GOPR_2_20220514T02000_C011 CS_OFFL_SIR_GOPR_2_20220514T02000_C011 CS_OFFL_SIR_GOPR_2_20220514T02000_C011 CS_OFFL_SIR_GOPR_2_20220514T03000_C011 CS_OFFL_SIR_GOPR_2_20220514T030000_C011 CS_OFFL_SIR_GOPR_2_20220514T030000_C011 CS_OFFL_SIR_GOPR_2_20220514T030000_C011	CS_OFFL_SIR_GOPN_2_20220514T224942_20220514T225232_C001		
and Backscatter Quality PLRM. COGA Altimeter Range and Backscatter Quality PLRM. COGA Altimeter Range and Backscatter Quality Plags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220514T003326_20220514T003132_C001 CS_OFFL_SIR_GOPR_2_20220514T00823_20220514T011150_C001 CS_OFFL_SIR_GOPR_2_20220514T010823_20220514T011150_C001 CS_OFFL_SIR_GOPR_2_20220514T015510_20220514T015701_C001 CS_OFFL_SIR_GOPR_2_20220514T015510_20220514T015701_C001 CS_OFFL_SIR_GOPR_2_20220514T020209_20220514T021043_C001 CS_OFFL_SIR_GOPR_2_20220514T020209_20220514T025041_C001 CS_OFFL_SIR_GOPR_2_20220514T03502_C001 CS_OFFL_SIR_GOPR_2_20220514T03502_C001 CS_OFFL_SIR_GOPR_2_20220514T03502_C001 CS_OFFL_SIR_GOPR_2_20220514T03502_C001 CS_OFFL_SIR_GOPR_2_20220514T03502_C001 CS_OFFL_SIR_GOPR_2_20220514T035021_C001 CS_OFF	CS_OFFL_SIR_GOPR_2_20220514T001759_20220514T002000_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Plags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220514T015510_20220514T015701_C001 CS_OFFL_SIR_GOPR_2_20220514T020209_20220514T015701_C001 CS_OFFL_SIR_GOPR_2_20220514T020209_20220514T021043_C001 CS_OFFL_SIR_GOPR_2_20220514T020209_20220514T021043_C001 CS_OFFL_SIR_GOPR_2_20220514T020209_20220514T020403_C001 CS_OFFL_SIR_GOPR_2_20220514T034306_20220514T035023_C001 CS_OFFL_SIR_GOPR_2_20220514T034306_20220514T035023_C001 CS_OFFL_SIR_GOPR_2_20220514T034306_20220514T035023_C001 CS_OFFL_SIR_GOPR_2_20220514T035218_20220514T035023_C001 CS_OFFL_SIR_GOPR_2_20220514T035021_20220514T035023_C001 CS_OFFL_SIR_GOPR_2_20220514T035021_20220514T035023_C001 CS_OFFL_SIR_GOPR_2_20220514T035021_20220514T035023_C001 CS_OFFL_SIR_GOPR_2_20220514T035021_20220514T035023_C001 CS_OFFL_SIR_GOPR_2_20220514T035021_20220	CS_OFFL_SIR_GOPR_2_20220514T002143_20220514T002312_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_GOPR_2_20220514T01623_20220514T015510_C001 CS_OFFL_SIR_GOPR_2_20220514T015510_20220514T015701_C001 CS_OFFL_SIR_GOPR_2_20220514T020209_20220514T021043_C001 CS_OFFL_SIR_GOPR_2_20220514T020209_20220514T021043_C001 CS_OFFL_SIR_GOPR_2_20220514T024755_20220514T025041_C001 CS_OFFL_SIR_GOPR_2_20220514T024755_20220514T025041_C001 CS_OFFL_SIR_GOPR_2_20220514T034306_20220514T035032_C001 CS_OFFL_SIR_GOPR_2_20220514T034306_20220514T035032_C001 CS_OFFL_SIR_GOPR_2_20220514T034306_20220514T035032_C001 CS_OFFL_SIR_GOPR_2_20220514T034306_20220514T035032_C001 CS_OFFL_SIR_GOPR_2_20220514T035218_20220514T04058_C001 CS_OFFL_SIR_GOPR_2_20220514T0352218_20220514T04058_C001 CS_OFFL_SIR_GOPR_2_20220514T0352218_20220514T04058_C001 CS_OFFL_SIR_GOPR_2_20220514T0352201_20220514T04058_C001 CS_OFFL_SIR_GOPR_2_20220514T0352201_20220514T04058_C001 CS_OFFL_SIR_GOPR_2_20220514T0352201_20220514T0352744_C001 CS_OFFL_SIR_GOPR_2_20220514T035201_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T035201_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052201_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052201_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052201_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052201_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052201_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052201_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052201_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052201_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052201_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052750_20220514T052744_C001 CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The Occan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Occan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be	CS_OFFL_SIR_GOPR_2_20220514T002326_20220514T003132_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCG Backscatter Quality CS_OFFL_SIR_GOPR_2_20220514T020209_20220514T021043_C001 CS_OFFL_SIR_GOPR_2_20220514T020209_20220514T021043_C001 CS_OFFL_SIR_GOPR_2_20220514T024755_20220514T025041_C001 CS_OFFL_SIR_GOPR_2_20220514T024755_20220514T025041_C001 CS_OFFL_SIR_GOPR_2_20220514T034306_20220514T035023_C001 CS_OFFL_SIR_GOPR_2_20220514T035218_20220514T035023_C001 CS_OFFL_SIR_GOPR_2_20220514T035218_20220514T035023_C001 CS_OFFL_SIR_GOPR_2_20220514T035218_20220514T035023_C001 CS_OFFL_SIR_GOPR_2_20220514T035218_20220514T035023_C001 CS_OFFL_SIR_GOPR_2_20220514T035218_20220514T035023_C001 CS_OFFL_SIR_GOPR_2_20220514T035218_20220514T035022_C001 CS_OFFL_SIR_GOPR_2_20220514T035218_20220514T03502_C001 CS_OFFL_SIR_GOPR_2_20220514T035218_20220514T03502_C001 CS_OFFL_SIR_GOPR_2_20220514T035218_20220514T03502_C001 CS_OFFL_SIR_GOPR_2_20220514T035218_20220514T03502_C001 CS_OFFL_SIR_GOPR_2_20220514T035218_20220514T03502_C001 CS_OFFL_SIR_GOPR_2_20220514T035218_20220514T03502_C001 CS_OFFL_SIR_GOPR_2_20220514T035218_20220514T03502_C001 CS_OFFL_SIR_GOPR_2_20220514T035218_20220514T03502_C001 CS_OFFL_SIR_GOPR_2_20220514T035218_20220514T03502_C001 CS_OFFL_SIR_GOPR_2_20220514T052201_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052201_	CS_OFFL_SIR_GOPR_2_20220514T010823_20220514T011150_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220514T024755_20220514T025041_C001 CS_OFFL_SIR_GOPR_2_20220514T034306_20220514T035023_C001 CS_OFFL_SIR_GOPR_2_20220514T034306_20220514T035023_C001 CS_OFFL_SIR_GOPR_2_20220514T034306_20220514T035023_C001 CS_OFFL_SIR_GOPR_2_20220514T034306_20220514T035302_C001 CS_OFFL_SIR_GOPR_2_20220514T034308_20220514T035302_C001 CS_OFFL_SIR_GOPR_2_20220514T035218_20220514T035302_C001 CS_OFFL_SIR_GOPR_2_20220514T035218_20220514T035302_C001 CS_OFFL_SIR_GOPR_2_20220514T035218_20220514T035302_C001 CS_OFFL_SIR_GOPR_2_20220514T035218_20220514T035302_C001 CS_OFFL_SIR_GOPR_2_20220514T035218_20220514T035302_C001 CS_OFFL_SIR_GOPR_2_20220514T035218_20220514T044058_C001 CS_OFFL_SIR_GOPR_2_20220514T043918_20220514T044058_C001 CS_OFFL_SIR_GOPR_2_20220514T043918_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052201_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052201_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052201_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052759_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052759_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052759_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052759_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052759_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052759_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052759_20220514T052759_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052759_20220514T052759_2020514T052759_2020514T052759_2020514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052759_20220514T052759_2020514T052759_2020514T052759_2020514T052759_2020514T052759_2020514T052759_2020514T052759_2020514T052759_2020514T052759_2020514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052759_20220514T052759_2020514T052759_2020514T052759_2020514T052759_2020514T052759_2020514T052759_2020514T052759_2020514T052759_2020514T052759_2020514T052759_2020514T052759_2020514T052759_2020514T052759_2020514T052759_20	CS_OFFL_SIR_GOPR_2_20220514T015510_20220514T015701_C001		
CS_OFFL_SIR_GOPR_2_20220514T024755_20220514T025041_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter	CS_OFFL_SIR_GOPR_2_20220514T020209_20220514T021043_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_GOPR_2_20220514T034306_20220514T035023_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM ocog Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220514T035218_20220514T035302_C001 CS_OFFL_SIR_GOPR_2_20220514T035218_20220514T044058_C001 CS_OFFL_SIR_GOPR_2_20220514T043918_20220514T044058_C001 CS_OFFL_SIR_GOPR_2_20220514T043918_20220514T044058_C001 CS_OFFL_SIR_GOPR_2_20220514T052201_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052201_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052201_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052201_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052759_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052759_20220514T052749_C001 CS_OFFL_SIR_GOPR_2_20220514T052759_20220514T052749_C001 CS_OFFL_SIR_GOPR_2_20220514T052759_20220514T052749_C001 CS_OFFL_SIR_GOPR_2_20220514T052759_20220514T052749_C001 CS_OFFL_SIR_GOPR_2_20220514T052759_20220514T052749_C001 CS_OFFL_SIR_GOPR_2_20220514T052759_20220514T052749_C001 CS_OFFL_SIR_GOPR_2_20220514T052759_20220514T052749_C001 CS_OFFL_SIR_GOPR_2_20220514T052759_20220514T052749_C001 CS_OFFL_SIR_GOPR_2_20220514T052759_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052759_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052759_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052759_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052759_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052759_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052759_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052759_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052759_20220514T052749_C001 CS_OFFL_SIR_GOPR_2_20220514T052759_20220514T052749_C001 CS_OFFL_SIR_GOPR_2_20220514T052759_20220514T052749_C001 CS_OFFL_SIR_GOPR_2_20220514T052759_20220514T052749_C001 CS_OFFL_SIR_GOPR_2_20220514T052759_20220514T052749_C001 CS_OFFL_SIR_GOPR_2_20220514T052759_20220514T052749_C001 CS_OFFL_SIR_GOPR_2_20220514T052759_20220514T052749_C	CS_OFFL_SIR_GOPR_2_20220514T024755_20220514T025041_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_GOPR_2_20220514T039216_20220514T043918_20220514T044058_C001 CS_OFFL_SIR_GOPR_2_20220514T043918_20220514T044058_C001 CS_OFFL_SIR_GOPR_2_20220514T052201_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052750_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052750_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052750_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052750_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052750_	CS_OFFL_SIR_GOPR_2_20220514T034306_20220514T035023_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_GOPR_2_20220514T043918_20220514T044058_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220514T052201_20220514T052744_C001 CS_OFFL_SIR_GOPR_2_20220514T052201_20220514T052744_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220514T052259_20220514T052744_C001 The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPR_2_20220514T035218_20220514T035302_C001		
CS_OFFL_SIR_GOPR_2_20220514T052201_20220514T052744_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220514T052259_20220514T052744_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220514T052759_20220514T052744_C001 OCOG Altimeter Range Quality PLRM. The OCOG Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPR_2_20220514T043918_20220514T044058_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_GOPR_2_20220514T052201_20220514T052744_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_GOPR_2_20220514T052759_20220514T052919_C001		

CS_OFFL_SIR_GOPR_2_20220514T053148_20220514T053152_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_20220514T053211_20220514T053431_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_20220514T061726_20220514T062258_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_20220514T063652_20220514T063905_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_20220514T070116_20220514T070529_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_20220514T070529_20220514T070800_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_20220514T072854_20220514T073033_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_20220514T083224_20220514T083522_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_20220514T083943_20220514T084505_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_20220514T090027_20220514T090132_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_20220514T101806_20220514T102745_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_20220514T115523_20220514T120255_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_20220514T120327_20220514T120759_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_20220514T121343_20220514T121357_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_20220514T125444_20220514T125735_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_20220514T133421_20220514T134113_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_20220514T134114_20220514T134417_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_20220514T134624_20220514T135001_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_20220514T143327_20220514T143644_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_20220514T151300_20220514T152014_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_20220514T152014_20220514T152223_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_20220514T160017_20220514T160409_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_20220514T161445_20220514T161634_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_20220514T165255_20220514T165349_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_20220514T170436_20220514T170515_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_20220514T173744_20220514T174403_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_20220514T183243_20220514T183739_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_20220514T184705_20220514T184908_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
	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPR_2_20220514T193424_20220514T193514_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
	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_20220514T201228_20220514T201839_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (1 Hz & 1 Hz PLRM)

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

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

Number of products with errors:

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:

L2 Retracking Flags (20 Hz PLRM)

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

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

Number of products with errors:

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

6.1 P2P Product Format Check

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

Number of products with errors:

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.
- > 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.

Product	Test Failed	Description
	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_220220514T002620_20220514T011559_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_220220514T011559_20220514T020534_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_220220514T020534_20220514T025514_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_20220514T025514_20220514T034449_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20220514T034449_20220514T043428_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_20220514T043428_20220514T052404_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_20220514T052404_20220514T061343_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_20220514T061343_20220514T070318_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_20220514T070318_20220514T075258_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_20220514T075258_20220514T084233_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_20220514T084233_20220514T093213_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_20220514T093213_20220514T102148_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_20220514T102148_20220514T111127_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_20220514T111127_20220514T120103_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_20220514T120103_20220514T125042_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_20220514T125042_20220514T134017_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_20220514T134017_20220514T142957_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_20220514T142957_20220514T151932_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20220514T151932_20220514T160911_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_20220514T160911_20220514T165847_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_20220514T165847_20220514T174826_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20220514T174826_20220514T183801_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_20220514T183801_20220514T192741_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20220514T192741_20220514T201716_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_20220514T201716_20220514T210655_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20220514T210655_20220514T215631_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_20220514T215631_20220514T224610_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_20220514T224610_20220514T233546_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_20220514T233546_20220515T002525_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

6.5 P2P Measurement Confidence Data Check

P2P Quality Flags (20 Hz)

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

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

Number of products with errors:

P2P Quality Flags (20 Hz PLRM)

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

Number of products with errors:

P2P Quality Flags (1 Hz & 1 Hz PLRM)

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

Number of products with errors:

6.8 P2P Ocean Retracking Quality Check

P2P Retracking Flags (20 Hz)

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

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

Number of products with errors:

P2P Retracking Flags PLRM

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

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