

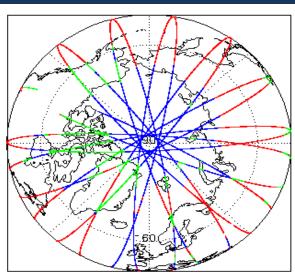
1. Overview

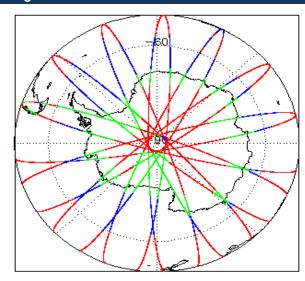
Report Production:	13-Aug-2021
Processor Used:	CryoSat Ocean Processor
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data

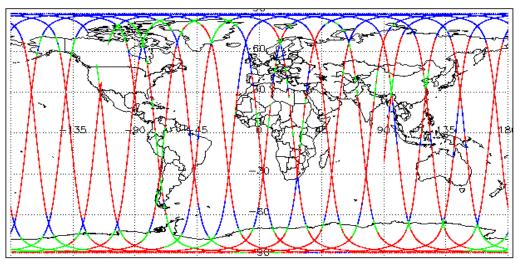
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary Correction Error Check	See Section 5.4	See Section 6.4
Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5	See Section 6.5
Range, SWH & Backscatter Measurement Check	See Section 5.6	See Section 6.6
Ocean Retracking Quality Check	See Section 5.7	See Section 6.7
QCC Error/ Warning Check	See Section 7.1, 7.2 and 7.3	See Section 7.1, 7.2 and 7.3

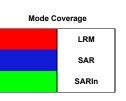
Missi	ion / Instru	iment News
11-	Jul-2021	None
12-	Jul-2021	None
13-	Jul-2021	Nothing planned

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

4. GOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

4.2 L1B Product Header Analysis

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

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

Number of products with errors:

4.3 L1B Auxilary Data File Usage Check

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

Number of products with errors:

0

4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

0

4.5 L1B Measurement Confidence Data Check

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

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

Number of products with errors:

2

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20210712T161847_20210712T162712_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_GOPM1B_20210712T211055_20210712T212402_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

1Ω

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20210712T043622_20210712T051148_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20210712T093337_20210712T094808_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20210712T102249_20210712T103907_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20210712T104513_20210712T105203_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20210712T150323_20210712T150922_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20210712T183752_20210712T191316_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20210712T212616_20210712T214257_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20210712T220540_20210712T221606_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20210712T225535_20210712T230016_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210712T052019_20210712T052111_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210712T083757_20210712T084259_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210712T115621_20210712T120216_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210712T133113_20210712T133141_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210712T164536_20210712T164640_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210712T200809_20210712T200848_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210712T224115_20210712T224619_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20210712T055747_20210712T060140_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20210712T163626_20210712T163728_C001	Loss of Echo	The tracking echo is missing for one or more records

5. GOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

5.2 L2 Product Header Analysis

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

Number of products with errors:

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

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

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

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

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

Number of products with errors:

54

CS_OFFL_SIR_GOPM_2_20210712T102249_20210712T103907_C001 Mean Dynamic Topography (1) CS_OFFL_SIR_GOPM_2_20210712T20323_20210712T150922_C001 Mean Dynamic Topography (1) CS_OFFL_SIR_GOPM_2_20210712T203402_20210712T2010719_C001 CS_OFFL_SIR_GOPM_2_20210712T001327_20210712T010719_C001 CS_OFFL_SIR_GOPM_2_20210712T010316_20210712T010549_C001 CS_OFFL_SIR_GOPM_2_20210712T01310_20210712T010549_C001 CS_OFFL_SIR_GOPM_2_20210712T034052_20210712T010549_C001 CS_OFFL_SIR_GOPM_2_20210712T034052_20210712T034116_C001 CS_OFFL_SIR_GOPM_2_20210712T034052_20210712T034116_C001 CS_OFFL_SIR_GOPM_2_20210712T042218_20210712T03436_C001 CS_OFFL_SIR_GOPM_2_20210712T042218_20210712T042336_C001 CS_OFFL_SIR_GOPM_2_20210712T042098_20210712T042336_C001 CS_OFFL_SIR_GOPM_2_20210712T060140_20210712T060256_C001 CS_OFFL_SIR_GOPM_2_20210712T060140_20210712T060256_C001 CS_OFFL_SIR_GOPM_2_20210712T060805_20210712T061118_C001 CS_OFFL_SIR_GOPM_2_20210712T074238_20210712T074512_C001 CS_OFFL_SIR_GOPM_2_20210712T074238_20210712T074512_C001 CS_OFFL_SIR_GOPM_2_20210712T074710_20210712T07424259_C001 CS_OFFL_SIR_GOPM_2_20210712T083757_20210712T084259_C001 CS_OFFL_SIR_GOPM_2_20210712T08313_20210712T082417_C001 CS_OFFL_SIR_GOPM_2_20210712T082133_20210712T082417_C001 CS_OFFL_SIR_GOPM_2_20210712T05003_20210712T10844259_C001 CS_OFFL_SIR_GOPM_2_20210712T105003_20210712T108444_C001 CS_OFFL_SIR_GOPM_2_20210712T105003_20210712T108444_C001 CS_OFFL_SIR_GOPM_2_20210712T105003_20210712T105444_C001 CS_OFFL_SIR_GOPM_2_20210712T105003_20210712T105444_C001 CS_OFFL_SIR_GOPM_2_20210712T105003_20210712T105446_C001 CS_OFFL_SIR_GOPM_2_20210712T115621_20210712T105446_C001 CS_OFFL_SIR_GOPM_2_20210712T115621_20210712T105446_C001 CS_OFFL_SIR_GOPM_2_20210712T115621_20210712T105446_C001 CS_OFFL_SIR_GOPM_2_20210712T115621_20210712T105446_C001 CS_OFFL_SIR_GOPM_2_20210712T115621_20210712T105446_C001 CS_OFFL_SIR_GOPM_2_20210712T115621_20210712T105446_C001 Mean Dynamic Topography (1) Mean Sea Surface (1), Mean 1 Topography (1) Mean Sea Surface (1), Mean 1 Topo	There is an error with the Mean Dynamic Topography (solution 1) for one or more records 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 Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210712T001327_20210712T010149_C001 CS_OFFL_SIR_GOPN_2_20210712T0101316_20210712T010549_C001 CS_OFFL_SIR_GOPN_2_20210712T010316_20210712T010549_C001 CS_OFFL_SIR_GOPN_2_20210712T010316_20210712T010549_C001 CS_OFFL_SIR_GOPN_2_20210712T011310_20210712T010549_C001 CS_OFFL_SIR_GOPN_2_20210712T011310_20210712T010549_C001 CS_OFFL_SIR_GOPN_2_20210712T011310_20210712T010549_C001 CS_OFFL_SIR_GOPN_2_20210712T025211_20210712T025348_C001 Mean Dynamic Topography (1) Mean Dynamic Topography (1) CS_OFFL_SIR_GOPN_2_20210712T042218_20210712T042336_C001 Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Topography (1) CS_OFFL_SIR_GOPN_2_20210712T042218_20210712T043225_C001 CS_OFFL_SIR_GOPN_2_20210712T060140_20210712T060256_C001 CS_OFFL_SIR_GOPN_2_20210712T060140_20210712T060256_C001 CS_OFFL_SIR_GOPN_2_20210712T060140_20210712T060256_C001 CS_OFFL_SIR_GOPN_2_20210712T060805_20210712T074512_C001 CS_OFFL_SIR_GOPN_2_20210712T074238_20210712T074512_C001 CS_OFFL_SIR_GOPN_2_20210712T074238_20210712T075244_C001 CS_OFFL_SIR_GOPN_2_20210712T083757_20210712T075244_C001 CS_OFFL_SIR_GOPN_2_20210712T083757_20210712T084259_C001 Mean Sea Surface (1), Mean Topography (1) Mean Sea Surface (1), Mean To	or more records 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 Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one or more records
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CS_OFFL_SIR_GOPN_2_20210712T010316_20210712T010149_C001 CS_OFFL_SIR_GOPN_2_20210712T010316_20210712T010549_C001 CS_OFFL_SIR_GOPN_2_20210712T011310_20210712T011453_C001 Mean Dynamic Topography (1) CS_OFFL_SIR_GOPN_2_20210712T025211_20210712T025348_C001 CS_OFFL_SIR_GOPN_2_20210712T034052_20210712T034116_C001 Mean Dynamic Topography (1) CS_OFFL_SIR_GOPN_2_20210712T042218_20210712T034116_C001 Mean Dynamic Topography (1) Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Topography (1) CS_OFFL_SIR_GOPN_2_20210712T042218_20210712T042236_C001 CS_OFFL_SIR_GOPN_2_20210712T060140_20210712T060256_C001 CS_OFFL_SIR_GOPN_2_20210712T060805_20210712T061118_C001 CS_OFFL_SIR_GOPN_2_20210712T060805_20210712T061118_C001 CS_OFFL_SIR_GOPN_2_20210712T074238_20210712T074512_C001 CS_OFFL_SIR_GOPN_2_20210712T074710_20210712T075244_C001 CS_OFFL_SIR_GOPN_2_20210712T074710_20210712T084259_C001 CS_OFFL_SIR_GOPN_2_20210712T083757_20210712T084259_C001 CS_OFFL_SIR_GOPN_2_20210712T092133_20210712T084217_C001 CS_OFFL_SIR_GOPN_2_20210712T10106_20210712T101813_C001 CS_OFFL_SIR_GOPN_2_20210712T105203_20210712T101813_C001 CS_OFFL_SIR_GOPN_2_20210712T105203_20210712T108444_C001 CS_OFFL_SIR_GOPN_2_20210712T10506_20210712T108444_C001 CS_OFFL_SIR_GOPN_2_20210712T10506_20210712T108444_C001 CS_OFFL_SIR_GOPN_2_20210712T10506_20210712T108444_C001 CS_OFFL_SIR_GOPN_2_20210712T10506_20210712T108444_C001 CS_OFFL_SIR_GOPN_2_20210712T10506_20210712T108444_C001 CS_OFFL_SIR_GOPN_2_20210712T10506_20210712T108444_C001 CS_OFFL_SIR_GOPN_2_20210712T10506_20210712T108446_C001 Mean Sea Surface (1), Mean Topography (1) Mean Sea Surface (1), Mean Topography (1	Topography height (solution 1) for one or more records Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one or more records
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CS_OFFL_SIR_GOPN_2_20210712T042218_20210712T042336_C001 Mean Dynamic Topography (1 Mean Sea Surface (1), Mean I Topography (1)	There is an array with the Mean Dynamia Tanagarahy (askutian 4) for any
CS_OFFL_SIR_GOPN_2_20210712T042908_20210712T043225_C001 Mean Sea Surface (1), Mean I Topography (1) Mean Sea Surface (1), Mean I Topography (1), Total Geocer Tide (GOT), Mean I Topography (1) Mean Sea Surface (1), Mean I Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210712T060140_20210712T060256_C001 CS_OFFL_SIR_GOPN_2_20210712T060140_20210712T060256_C001 CS_OFFL_SIR_GOPN_2_20210712T060805_20210712T061118_C001 CS_OFFL_SIR_GOPN_2_20210712T074238_20210712T074512_C001 CS_OFFL_SIR_GOPN_2_20210712T074238_20210712T074512_C001 CS_OFFL_SIR_GOPN_2_20210712T074710_20210712T075244_C001 CS_OFFL_SIR_GOPN_2_20210712T083757_20210712T084259_C001 CS_OFFL_SIR_GOPN_2_20210712T083757_20210712T084259_C001 CS_OFFL_SIR_GOPN_2_20210712T092133_20210712T092417_C001 CS_OFFL_SIR_GOPN_2_20210712T092133_20210712T092417_C001 CS_OFFL_SIR_GOPN_2_20210712T101705_20210712T101813_C001 CS_OFFL_SIR_GOPN_2_20210712T105203_20210712T105444_C001 CS_OFFL_SIR_GOPN_2_20210712T105203_20210712T105444_C001 CS_OFFL_SIR_GOPN_2_20210712T110006_20210712T105444_C001 CS_OFFL_SIR_GOPN_2_20210712T110006_20210712T10202_C001 Mean Sea Surface (1), Mean In Topography (1) Mean Sea Surface (1) Me	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
Topography (1) Mean Sea Surface (1), Mean I Topography (1) Mean Sea Surface (1), Mean I Topography (1) Mean Sea Surface (1), Mean I Topography (1), Total Geocentric (GOT), Total Geocentric (GOT), Total Geocentric Tide (FES), Non-Equilibrium L Ocean Tide CS_OFFL_SIR_GOPN_2_20210712T074238_20210712T074512_C001 CS_OFFL_SIR_GOPN_2_20210712T074710_20210712T075244_C001 CS_OFFL_SIR_GOPN_2_20210712T083757_20210712T084259_C001 CS_OFFL_SIR_GOPN_2_20210712T092133_20210712T092417_C001 CS_OFFL_SIR_GOPN_2_20210712T092133_20210712T092417_C001 CS_OFFL_SIR_GOPN_2_20210712T101705_20210712T101813_C001 CS_OFFL_SIR_GOPN_2_20210712T105203_20210712T105444_C001 CS_OFFL_SIR_GOPN_2_20210712T105203_20210712T105444_C001 CS_OFFL_SIR_GOPN_2_20210712T110006_20210712T1020_C001 Mean Sea Surface (1), Mean I Topography (1) CS_OFFL_SIR_GOPN_2_20210712T110006_20210712T1020_C001 Mean Sea Surface (1), Mean I Topography (1)	Dynamic 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_20210712T060805_20210712T061118_C001	Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
Topography (1) CS_OFFL_SIR_GOPN_2_20210712T074710_20210712T075244_C001 CS_OFFL_SIR_GOPN_2_20210712T083757_20210712T084259_C001 CS_OFFL_SIR_GOPN_2_20210712T083757_20210712T084259_C001 Mean Sea Surface (1), Mean Topography (1) CS_OFFL_SIR_GOPN_2_20210712T101705_20210712T101813_C001 CS_OFFL_SIR_GOPN_2_20210712T105203_20210712T105444_C001 CS_OFFL_SIR_GOPN_2_20210712T105203_20210712T105444_C001 CS_OFFL_SIR_GOPN_2_20210712T110006_20210712T110220_C001 Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Topography (1), Total Geocentric Ocean Tide (GOT) CS_OFFL_SIR_GOPN_2_20210712T115621_20210712T120216_C001 Mean Sea Surface (1), Mean Topography (1)	ntric Ocean Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period
Topography (1) Mean Sea Surface (1), Mean Topography (1) Topography (1) Mean Sea Surface (1), Mean Topography (1) Topography (1) Mean Sea Surface (1), Mean Topography (1) Topography (1) Mean Sea Surface (1), Mean Topography (1) Mean Sea Surface (1), Mean Topography (1) Topography (1) Mean Sea Surface (1), Mean Topography (1) Topography (1) Mean Sea Surface (1), Mean Topography (1) Topography (1) Topography (1) Topography (1) Topography (1) Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Topography (1) Topography (1	Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
Topography (1) CS_OFFL_SIR_GOPN_2_20210712T092133_20210712T092417_C001 Mean Sea Surface (1), Mean I Topography (1) CS_OFFL_SIR_GOPN_2_20210712T101705_20210712T101813_C001 CS_OFFL_SIR_GOPN_2_20210712T105203_20210712T105444_C001 CS_OFFL_SIR_GOPN_2_20210712T105203_20210712T105444_C001 CS_OFFL_SIR_GOPN_2_20210712T105203_20210712T105444_C001 CS_OFFL_SIR_GOPN_2_20210712T110006_20210712T110220_C001 Mean Dynamic Topography (1) Mean Sea Surface (1), Mean I Topography (1) Mean Sea Surface (1), Mean I Topography (1) CS_OFFL_SIR_GOPN_2_20210712T115621_20210712T120216_C001 Mean Dynamic Topography (1) CS_OFFL_SIR_GOPN_2_20210712T124909_20210712T125136_C001 Mean Dynamic Topography (1) CS_OFFL_SIR_GOPN_2_20210712T124909_20210712T125136_C001 Mean Sea Surface (1), Mean I Topography (1) Mean Sea Surface (1), Mean I Topography (1) Mean Sea Surface (1), Mean I Topography (1)	Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
Topography (1) CS_OFFL_SIR_GOPN_2_20210712T101705_20210712T101813_C001 Mean Sea Surface (1), Mean Topography (1) Mean Dynamic Topography (1) Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Topography (1) Mean Sea Surface (1), Mean Topography (1), Total Geocen Tide (GOT) CS_OFFL_SIR_GOPN_2_20210712T115621_20210712T120216_C001 Mean Dynamic Topography (1) CS_OFFL_SIR_GOPN_2_20210712T124909_20210712T125136_C001 Mean Dynamic Topography (1)	Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
Topography (1) Mean Dynamic Topography (1) Mean Sea Surface (1), Mean I Topography (1), Total Geocentric Ocean Tide (FES) CS_OFFL_SIR_GOPN_2_20210712T115621_20210712T120216_C001 CS_OFFL_SIR_GOPN_2_20210712T115621_20210712T120216_C001 Mean Sea Surface (1), Mean I Topography (1) CS_OFFL_SIR_GOPN_2_20210712T124909_20210712T125136_C001 Mean Dynamic Topography (1) Mean Sea Surface (1), Mean I Topography (1) Mean Sea Surface (1), Mean I Topography (1)	Dynamic 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_20210712T105203_20210712T105444_C001 Geocentric Ocean Tide (GOT) Geocentric Ocean Tide (GOT) Geocentric Ocean Tide (FES) Fauilibrium Long Period Ocea Mean Dynamic Topography (1) Mean Sea Surface (1), Mean I Topography (1), Total Geocentric Geocentric Ocean Tide (GOT) Mean Dynamic Topography (1) Mean Sea Surface (1), Mean I Topography (1) CS_OFFL_SIR_GOPN_2_20210712T124909_20210712T125136_C001 Mean Dynamic Topography (1) Mean Dynamic Topography (1) CS_OFFL_SIR_GOPN_2_20210712T133636_20210712T134040_C001 Mean Sea Surface (1), Mean I Topography (1)	Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210712T110006_20210712T110220_C001 Mean Dynamic Topography (1 Mean Sea Surface (1), Mean I Topography (1), Total Geocer Tide (GOT) CS_OFFL_SIR_GOPN_2_20210712T124909_20210712T125136_C001 Mean Dynamic Topography (1) CS_OFFL_SIR_GOPN_2_20210712T124909_20210712T125136_C001 Mean Dynamic Topography (1) Mean Dynamic Topography (1) CS_OFFL_SIR_GOPN_2_20210712T133636_20210712T134040_C001 Mean Sea Surface (1), Mean I Topography (1)), Total , Non- , Non- and the Non-Equilibrium Long Period Ocean Tide (FES)
CS_OFFL_SIR_GOPN_2_20210712T115621_20210712T120216_C001 Topography (1), Total Geocer Tide (GOT) CS_OFFL_SIR_GOPN_2_20210712T124909_20210712T125136_C001 Mean Dynamic Topography (1) CS_OFFL_SIR_GOPN_2_20210712T133636_20210712T134040_C001 Mean Sea Surface (1), Mean Topography (1)	There is an error with the Mean Dynamic Tonography (solution 1) for one
CS_OFFL_SIR_GOPN_2_20210712T133636_20210712T134040_C001	
Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210712T141841_20210712T142023_C001 Mean Dynamic Topography (1	Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210712T151836_20210712T152239_C001	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210712T155852_20210712T160221_C001	Dynamic 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_20210712T173803_20210712T174124_C001	Dynamic 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_20210712T182826_20210712T183010_C001	Dynamic 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_20210712T192538_20210712T192647_C001 Mean Dynamic Topography (1	
CS_OFFL_SIR_GOPN_2_20210712T200809_20210712T200848_C001	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210712T200851_20210712T200917_C001	or more records
CS_OFFL_SIR_GOPN_2_20210712T210240_20210712T210436_C001	Dynamic 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_20210712T214615_20210712T214832_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_20210712T224115_20210712T224619_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_20210712T232158_20210712T232710_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPR_2_20210712T001719_20210712T002232_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_20210712T015507_20210712T020253_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_20210712T033321_20210712T034052_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_20210712T035005_20210712T035202_C001	Mean Dynamic Topography (1)	There is an error with the GPD Wet Tropospheric correction, the MSS height (solution 1) and tidal corrections for one or more records
CS_OFFL_SIR_GOPR_2_20210712T051149_20210712T051855_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_20210712T051855_20210712T052019_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_20210712T065036_20210712T065755_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_20210712T065755_20210712T070052_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_20210712T083223_20210712T083647_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_20210712T083647_20210712T083757_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_20210712T091635_20210712T092133_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20210712T101018_20210712T101310_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_20210712T101310_20210712T101705_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_20210712T114951_20210712T115621_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_20210712T133141_20210712T133636_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_20210712T150923_20210712T151836_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_20210712T164927_20210712T165728_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_20210712T183010_20210712T183752_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_20210712T200917_20210712T201621_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_20210712T212402_20210712T212615_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPR_2_20210712T214832_20210712T214951_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide
CS_OFFL_SIR_GOPR_2_20210712T214951_20210712T215549_C001	Tide (GOT)	height (solution 1: GOT) for one or more records

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20210712T161847_20210712T162712_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOPM_2_20210712T211055_20210712T212402_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20Hz)

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

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

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

De GAPF, SPR, OPPAL 2 2010 T1721701 2010 T2701040, COV. (C) GAPF, SPR, OPPAL 2 2010 T1721701 2010 T2701040, COV. (C) GAPF, SPR, OPPAL 2 2010 T1701040, COV. (C	Product	Test Failed	Description
Backcaster Coats Coats Almost Finger Coats C	CS_OFFL_SIR_GOPM_2_20210711T233757_20210712T001054_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SR_GOPM_2_20210**ITC06891_20210**ITC06891_20210** CR_OFFL_SR_GOPM_2_20210**ITC06893_20210**ITC06893_20210** CR_OFFL_SR_GOPM_2_20210**ITC06893_20210*	CS_OFFL_SIR_GOPM_2_20210712T003056_20210712T003115_C001		
CB_CPFI_SR_GOM_2_7619171710550_2016717T06560_C0161 CB_CPFI_SR_GOM_2_761917710550_2016717T06560_C0161 CB_CPFI_SR_GOM_2_761917710550_2016717T06560_C0161 CB_CPFI_SR_GOM_2_761917710550_2016717T06560_C0161 CB_CPFI_SR_GOM_2_761917710550_2016717T04560_C0161 CB_CPFI_SR_GOM_2_76191771050_2016717T04560_C0161 CB_CPFI_SR_GOM_2_7619177T0450_2016717T04560_C0161 CB_CPFI_SR_GOM_2_7619177T0450_2016717T04560_C0161 CB_CPFI_SR_GOM_2_7619177T0450_2016717T04560_C0161 CB_CPFI_SR_GOM_2_7619177T0450_2016717T04560_C0161 CB_CPFI_SR_GOM_2_761917T0450_2016717T04560_C0161 CB_CPFI_SR_GOM_2_761917T04560_2016717T04560_C0161 CB_CPFI_SR_GOM_2_761917T14560_2016717T04560_C0161 CB_CPFI_SR_GOM_2_761917T14560_2016717T04660_C0161 CB_CPFI_SR_GOM_2_761917T14560_2	CS_OFFL_SIR_GOPM_2_20210712T003809_20210712T005904_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Searchiter Carly Search Carly	CS_OFFL_SIR_GOPM_2_20210712T005951_20210712T010037_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Sc. DEFL. SIR, GOPML 2, 2021/07/27/08/09/2, 20	CS_OFFL_SIR_GOPM_2_20210712T010550_20210712T010920_C001		, ,
Seasonth Quality Code Children Rough SUN 1, 1997 Code Children R	CS_OFFL_SIR_GOPM_2_20210712T011632_20210712T014250_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and the OCOGA Allementer Range and Backscaster Quality (Figure 1 and Backscaster Quality (Figure 2) and Backscaster Quali	CS_OFFL_SIR_GOPM_2_20210712T014420_20210712T014428_C001		
Backscatter (Dually) 67 or or or more records. 68 of FIL, SIR, GOPM_2_2010112T024843_20210T12T038010_CO01 69 OCOA Altimeter Range, Gually, OCOC 69 Altimeter Range and Backscatter Qually Flags have been set for or or more records. 69 OCOEA Altimeter Range, SSHA, SWH and Backscatter Qually Flags have been set for or or more records. 69 OCOEA Altimeter Range, SSHA, SWH and Backscatter Qually Flags have been set for the control or or records. 69 OCOEA Altimeter Range and Backscatter Qually Flags have been set for the control or or records. 69 OCOEA Altimeter Range and Backscatter Qually Flags have been set for the control or or records. 69 OCOEA Altimeter Range and Backscatter Qually Flags have been set for the control or or records. 69 OCOEA Altimeter Range and Backscatter Qually Flags have been set for control or or records. 69 OCOEA Altimeter Range and Backscatter Qually Flags have been set for control or records. 69 OCOEA Altimeter Range and Backscatter Qually Flags have been set for control or records. 69 OCOEA Altimeter Range and Backscatter Qually Flags have been set for control or records. 69 OCOEA Altimeter Range and Backscatter Qually Flags have been set for control records. 60 OCOEA Altimeter Range and Backscatter Qually Flags have been set for control records. 60 OCOEA Altimeter Range and Backscatter Qually Flags have been set for control records. 60 OCOEA Altimeter Range and Backscatter Qually Flags have been set for control records. 60 OCOEA Altimeter Range and Backscatter Qually Flags have been set for control records. 60 OCOEA Altimeter Range and Backscatter Qually Flags have been set for control records. 60 OCOEA Altimeter Range and Backscatter Qually Flags have been set for control records. 60 OCOEA Altimeter Range and Backscatter Qually Flags have been set for control records. 60 OCOEA Altimeter Range and Backscatter Qually Flags have been set for control records. 60 OCOEA Altimeter Range and Backscatter Qually Flags have been set for control records. 61 OCOEA Altimeter Ra	CS_OFFL_SIR_GOPM_2_20210712T021356_20210712T024041_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality C3_OFFL_SIR_QOPM_2_20210712703005_20210712703005_2001 C3_OFFL_SIR_QOPM_2_20210712703405_202107127034854_QOD Altinoter Range and Exclusionate Quality and Exclusionate Quality C3_OFFL_SIR_QOPM_2_20210712703405_202107127034854_QOD Altinoter Range and Exclusionate Quality Altinoter Range and Exclusio	CS_OFFL_SIR_GOPM_2_20210712T024337_20210712T024835_C001		
and the COGA Allimeter Range and Backscatter Quality Flags have been Range and Backscatter Quality Flags have been set by Flags and Backscatter Quality Flags have been set by Flags and Backscatter Quality Flags have been set by Flags and Backscatter Quality Flags have been set by Flags and Backscatter Quality Flags have been set by Flags and Backscatter Quality Flags have been set by Flags and Backscatter Quality Flags have been set by Flags and Backscatter Quality Flags have been set by Flags and Backscatter Quality Flags have been set by Flags and Backscatter Quality Flags have been set by Flags and Backscatter Quality Flags have been set by Flags and Backscatter Quality Flags have been set by Flags and Backscatter Quality Flags have been set by Flags and Backscatter Quality Flags have been set by Flags and Backscatter Quality Flags have been set by Flags and Backscatter Quality Flags have been set by Flags and Backscatter Quality Flags have been set by Flags and Backscatter Quality Flags have been set by Flags All Flags All Flags have been set by Flags All Flags All Flags ha	CS_OFFL_SIR_GOPM_2_20210712T024843_20210712T025210_C001		
and Backscatter Quality, OCOS Allemeter Range and Backscatter Quality Flags have been after Range and Backscatter Quality Flags have been after Range SSHA, SWH and Backscatter Quality Flags have been after Range SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210712T041848_20210712T041943_CO01 CS_OFFL_SIR_GOPM_2_20210712T042336_20210712T041943_CO01 CS_OFFL_SIR_GOPM_2_20210712T042336_20210712T041943_CO01 CS_OFFL_SIR_GOPM_2_20210712T042336_20210712T04194_CO01 CS_OFFL_SIR_GOPM_2_20210712T043822_20210712T051148_CO01 CS_OFFL_SIR_GOPM_2_20210712T043822_20210712T051148_CO01 CS_OFFL_SIR_GOPM_2_20210712T043822_20210712T051148_CO01 CS_OFFL_SIR_GOPM_2_20210712T043822_20210712T055147_CO01 CS_OFFL_SIR_GOPM_2_20210712T054132_20210712T055135_CO01 CS_OFFL_SIR_GOPM_2_20210712T054132_20210712T055035_CO01 CS_OFFL_SIR_GOPM_2_20210712T054132_20210712T050355_CO01 CS_OFFL_SIR_GOPM_2_20210712T054132_20210712T050355_CO01 CS_OFFL_SIR_GOPM_2_20210712T05432_20210712T050355_CO01 CS_OFFL_SIR_GOPM_2_20210712T05432_20210712T050355_CO01 CS_OFFL_SIR_GOPM_2_20210712T05432_20210712T050355_CO01 CS_OFFL_SIR_GOPM_2_20210712T05432_20210712T050355_CO01 CS_OFFL_SIR_GOPM_2_20210712T05432_20210712T050355_CO01 CS_OFFL_SIR_GOPM_2_20210712T07443_20210712T050355_CO01 CS_OFFL	CS_OFFL_SIR_GOPM_2_20210712T025635_20210712T033007_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and the COGA Allmeter Range and Backscatter Quality Flags have been set for ore ror are records. CS_OFFL_SIR_GOPM_2_20210712T041846_20210712T041943_CO01 CS_OFFL_SIR_GOPM_2_20210712T042336_20210712T042907_CO01 CS_OFFL_SIR_GOPM_2_20210712T042336_20210712T05233_CO01 CS_OFFL_SIR_GOPM_2_20210712T0423622_20210712T05233_CO01 CS_OFFL_SIR_GOPM_2_20210712T052128_20210712T05233_CO01 CS_OFFL_SIR_GOPM_2_20210712T052128_20210712T05233_CO01 CS_OFFL_SIR_GOPM_2_20210712T052128_20210712T05233_CO01 CS_OFFL_SIR_GOPM_2_20210712T052128_20210712T05233_CO01 CS_OFFL_SIR_GOPM_2_20210712T052128_20210712T05233_CO01 CS_OFFL_SIR_GOPM_2_20210712T052128_20210712T05233_CO01 CS_OFFL_SIR_GOPM_2_20210712T052128_20210712T05233_CO01 CS_OFFL_SIR_GOPM_2_20210712T052128_20210712T05233_CO01 CS_OFFL_SIR_GOPM_2_20210712T054132_20210712T055747_CO01 CS_OFFL_SIR_GOPM_2_20210712T064132_20210712T065036_CO01 CS_OFFL_SIR_GOPM_2_20210712T061500_20210712T065036_CO01 CS_OFFL_SIR_GOPM_2_20210712T061500_20210712T065036_CO01 CS_OFFL_SIR_GOPM_2_20210712T061500_20210712T065036_CO01 CS_OFFL_SIR_GOPM_2_20210712T071443_20210712T075439_CO01 CS_OFFL_SIR_GOPM_2_20210712T061500_20210712T065036_CO01 CS_OFFL_SIR_GOPM_2_20210712T061500_20210712T065036_CO01 CS_OFFL_SIR_GOPM_2_20210712T061500_20210712T065036_CO01 CCCCCA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for core ror or core records. CCCCCA Altimeter Range and Backscatter Quality Flags have been set for core ror or core records. CCCCCA Altimeter Range and Backscatter Quality Flags have been set for core ror or core records. CCCCCA Altimeter Range and Backscatter Quality Flags have been set for core ror or core records. CCCCCA Altimeter Range and Backscatter Quality Flags have been set for core ror or core records. CCCCCA Altimeter Range and Backscatter Quality Flags have been set for core ror or core records. CCCCCA Altimeter Range and Backscatter Quality Flags have been set for core ror or core records. CCCCCA Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPM_2_20210712T034209_20210712T034854_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210712T042336_20210712T051148_CO01 CS_OFFL_SIR_GOPM_2_20210712T043622_20210712T051148_CO01 CS_OFFL_SIR_GOPM_2_20210712T043622_20210712T051148_CO01 CS_OFFL_SIR_GOPM_2_20210712T052128_20210712T052323_CO01 CS_OFFL_SIR_GOPM_2_20210712T052128_20210712T052323_CO01 CS_OFFL_SIR_GOPM_2_20210712T052128_20210712T0525747_CO01 CS_OFFL_SIR_GOPM_2_20210712T054132_20210712T055747_CO01 CS_OFFL_SIR_GOPM_2_20210712T054132_20210712T065036_CO01 CS_OFFL_SIR_GOPM_2_20210712T06100256_20210712T066036_CO01 CS_OFFL_SIR_GOPM_2_20210712T061002_20210712T065036_CO01 CS_OFFL_SIR_GOPM_2_20210712T061002_20210712T065036_CO01 CS_OFFL_SIR_GOPM_2_20210712T071728_20210712T075330_CO01 CS_OFFL_SIR_GOPM_2_20210712T071748_20210712T075330_CO01 CS_OFFL_SIR_GOPM_2_20210712T071748_20210712T0765036_CO01 CS_OFFL_SIR_GOPM_2_20210712T076443_20210712T0765036_CO01 CS_OFFL_SIR_GOPM_2_2021071	CS_OFFL_SIR_GOPM_2_20210712T041525_20210712T041646_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPM_2_20210712T043622_20210712T051148_C001 CS_OFFL_SIR_GOPM_2_20210712T0543622_20210712T051148_C001 CS_OFFL_SIR_GOPM_2_20210712T052128_20210712T052323_C001 CS_OFFL_SIR_GOPM_2_20210712T052128_20210712T052323_C001 CS_OFFL_SIR_GOPM_2_20210712T052128_20210712T052323_C001 CS_OFFL_SIR_GOPM_2_20210712T052128_20210712T055747_C001 CS_OFFL_SIR_GOPM_2_20210712T052132_20210712T0560805_C001 CS_OFFL_SIR_GOPM_2_20210712T060556_20210712T060805_C001 CS_OFFL_SIR_GOPM_2_20210712T061500_20210712T065036_C001 CS_OFFL_SIR_GOPM_2_20210712T071443_20210712T071718_C001 CS_OFFL_SIR_GOPM_2_20210712T0717443_20210712T071718_C001 CS_OFFL_SIR_GOPM_2_20210712T0717443_20210712T071718_C001 CS_OFFL_SIR_GOPM_2_20210712T0717443_20210712T071718_C001 CS_OFFL_SIR_GOPM_2_20210712T0717443_20210712T071718_C001 CS_OFFL_SIR_GOPM_2_20210712T0717443_20210712T071718_C001 CS_OFFL_SIR_GOPM_2_20210712T0717443_20210712T071718_C001 CS_OFFL_SIR_GOPM_2_20210712T0717443_20210712T071718_C001 CS_OFFL_SIR_GOPM_2_20210712T0717443_20210712T071718_C001 CS_OFFL_SIR_GOPM_2_20210712T0717443_20210712T071718_C001 CS_OFFL_SIR_GOPM_2_20210712T0717443_20210712T07175539_C001 CS_OFFL_SIR_GOPM_2_20210712T0717443_20210712T073539_C001 CS_OFFL_SIR_GOPM_2_20210712T071759_20210712T073539_C001 CS_OFFL_SIR_GOPM_2_20210712T0717443_20210712T073539_C001 CS_OFFL_SIR_GOPM_2_20210712T071759_20210712T073539_C001 CS_OFFL_SIR_GOPM_2_20210712T071759_20210712T073539_C001 CS_OFFL_SIR_GOPM_2_20210712T071759_20210712T073539_C001 CS_OFFL_SIR_GOPM_2_20210712T075443_20210712T080807_C001 CS_OFFL_SIR_GOPM_2_20210712T075443_20210712T080807_C001 CS_OFFL_SIR_GOPM_2_20210712T075443_20210712T080807_C001 CS_OFFL_SIR_GOPM_2_20210712T075443_20210712T080807_C001 CS_OFFL_SIR_GOPM_2_20210712T075443_20210712T080807_C001 CS_OFFL_SIR_GOPM_2_20210712T084311_20210712T080807_C001 CS_OFFL_SIR_GOPM_2_20210712T084311_20210712T080807_C001 CS_OFFL_SIR_GOPM_2_20210712T084311_20210712T080807_C001 CS_OFFL_SIR_GOPM_2_20210712T084311_20210712T080807_C001 CS_OFFL_SIR_GO	CS_OFFL_SIR_GOPM_2_20210712T041846_20210712T041943_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, CCOG Altimeter Range, SSHA, SWH and Backscatter Quality, DCOG Backscatter Quality, DCOG Altimeter Range, SSHA, SWH and Backscatter Quality, DCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, DCOG Altimeter Range, SSHA, SWH and Backscatt	CS_OFFL_SIR_GOPM_2_20210712T042336_20210712T042907_C001		
and Backscatter Quality, COCG Altimeter Range and Backscatter Quality, COCG Altimeter Range and Backscatter Quality, COCG Altimeter Range and Backscatter Quality, COCG Coean Altimeter Range, SSHA, SWH and Backscatter Quality, COCG Altimeter Range and Backscatter Quality, COCG Altimeter Range and Backscatter Quality Flags have been at 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_GOPM_2_20210712T060256_20210712T060905_C001 CS_OFFL_SIR_GOPM_2_20210712T061500_20210712T065036_C001 CS_OFFL_SIR_GOPM_2_20210712T061500_20210712T065036_C001 CS_OFFL_SIR_GOPM_2_20210712T071243_20210712T071718_C001 CS_OFFL_SIR_GOPM_2_20210712T071243_20210712T071718_C001 CS_OFFL_SIR_GOPM_2_20210712T071243_20210712T071718_C001 CS_OFFL_SIR_GOPM_2_20210712T071759_20210712T073539_C001 CS_OFFL_SIR_GOPM_2_20210712T071759_20210712T073539_C001 CS_OFFL_SIR_GOPM_2_20210712T075443_20210712T080807_C001 CS_OFFL_SIR_GOPM_2_20210712T075443_20210712T080807_C001 CS_OFFL_SIR_GOPM_2_20210712T076443_20210712T080807_C001 CS_OFFL_SIR_GOPM_2_20210712T084011_20210712T080807_C001 CS_OFFL_SIR_GOPM_2_20210712T0840311_20210712T080807_C001 CS_OFFL_SIR_GOPM_2_20210712T0840311_20210712T080805_C001 CS_OFFL_SIR_GOPM_2_20210712T084311_20210712T090048_C001 CS_OFFL_	CS_OFFL_SIR_GOPM_2_20210712T043622_20210712T051148_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210712T060256_20210712T060805_C001 CS_OFFL_SIR_GOPM_2_20210712T061500_20210712T065036_C001 CS_OFFL_SIR_GOPM_2_20210712T061500_20210712T065036_C001 CS_OFFL_SIR_GOPM_2_20210712T071243_20210712T071718_C001 CS_OFFL_SIR_GOPM_2_20210712T071243_20210712T071718_C001 CS_OFFL_SIR_GOPM_2_20210712T071759_20210712T071718_C001 CS_OFFL_SIR_GOPM_2_20210712T071759_20210712T073539_C001 CS_OFFL_SIR_GOPM_2_20210712T071759_20210712T073539_C001 CS_OFFL_SIR_GOPM_2_20210712T075443_20210712T080807_C001 CS_OFFL_SIR_GOPM_2_20210712T075443_20210712T080807_C001 CS_OFFL_SIR_GOPM_2_20210712T075443_20210712T080807_C001 CS_OFFL_SIR_GOPM_2_20210712T075443_20210712T080807_C001 CS_OFFL_SIR_GOPM_2_20210712T075443_20210712T080807_C001 CS_OFFL_SIR_GOPM_2_20210712T081609_20210712T080807_C001 CS_OFFL_SIR_GOPM_2_20210712T081609_20210712T080807_C001 CS_OFFL_SIR_GOPM_2_20210712T081609_20210712T080807_C001 CS_OFFL_SIR_GOPM_2_20210712T081609_20210712T080807_C001 CS_OFFL_SIR_GOPM_2_20210712T081609_20210712T080807_C001 CS_OFFL_SIR_GOPM_2_20210712T081609_20210712T080807_C001 CS_OFFL_SIR_GOPM_2_20210712T081609_20210712T080305_C001 CS_OFFL_SIR_GOPM_2_20210712T081609_20210712T080305_C001 CS_OFFL_SIR_GOPM_2_20210712T084311_20210712T090048_C001 CS_OFFL_SIR_GOPM_2_20210712T084311_20210712T090048	CS_OFFL_SIR_GOPM_2_20210712T052128_20210712T052323_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPM_2_20210712T061500_20210712T085036_C001 CS_OFFL_SIR_GOPM_2_20210712T061500_20210712T085036_C001 CS_OFFL_SIR_GOPM_2_20210712T071243_20210712T071718_C001 CS_OFFL_SIR_GOPM_2_20210712T071243_20210712T071718_C001 CS_OFFL_SIR_GOPM_2_20210712T071243_20210712T071718_C001 CS_OFFL_SIR_GOPM_2_20210712T071243_20210712T071718_C001 CS_OFFL_SIR_GOPM_2_20210712T071759_20210712T073539_C001 CS_OFFL_SIR_GOPM_2_20210712T071759_20210712T073539_C001 CS_OFFL_SIR_GOPM_2_20210712T075443_20210712T080807_C001 CS_OFFL_SIR_GOPM_2_20210712T075443_20210712T080807_C001 CS_OFFL_SIR_GOPM_2_20210712T081609_20210712T080305_C001 CS_OFFL_SIR_GOPM_2_20210712T081609_20210712T080305_C001 CS_OFFL_SIR_GOPM_2_20210712T084311_20210712T090048_C001 CS_OFFL_SIR_GOPM_2_20210712T084311_20210712T090048_C001 CS_OFFL_SIR_GOPM_2_20210712T084311_20210712T090048_C001 CS_OFFL_SIR_GOPM_2_20210712T084311_20210712T091635_C001 CS_OFFL_SIR_GOPM_2_20210712T084311_20210712T091635_C001 CS_OFFL_SIR_GOPM_2_20210712T084311_20210712T091635_C001 CS_OFFL_SIR_GOPM_2_20210712T090227_20210712T091635_C001 CS_OFFL_SIR_GOPM_2_20210712T09	CS_OFFL_SIR_GOPM_2_20210712T054132_20210712T055747_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality And Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records. CS_OFFL_SIR_GOPM_2_20210712T075443_20210712T080807_C001 CS_OFFL_SIR_GOPM_2_20210712T081609_20210712T083035_C001 CS_OFFL_SIR_GOPM_2_20210712T081609_20210712T080048_C001 CS_OFFL_SIR_GOPM_2_20210712T084311_20210712T090048_C001 CS_OFFL_SIR_GOPM_2_20210712T084311_20210712T090048_C001 CS_OFFL_SIR_GOPM_2_20210712T080227_20210712T091635_C001 Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality And Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Qua	CS_OFFL_SIR_GOPM_2_20210712T060256_20210712T060805_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records. CS_OFFL_SIR_GOPM_2_20210712T071759_20210712T073539_C001 CS_OFFL_SIR_GOPM_2_20210712T075443_20210712T080807_C001 CS_OFFL_SIR_GOPM_2_20210712T075443_20210712T080807_C001 CS_OFFL_SIR_GOPM_2_20210712T081609_20210712T083035_C001 CS_OFFL_SIR_GOPM_2_20210712T081609_20210712T083035_C001 CS_OFFL_SIR_GOPM_2_20210712T084311_20210712T090048_C001 CS_OFFL_SIR_GOPM_2_20210712T084311_20210712T090048_C001 CS_OFFL_SIR_GOPM_2_20210712T084311_20210712T090048_C001 CS_OFFL_SIR_GOPM_2_20210712T080227_20210712T091635_C001 CS_OFFL_SIR_GOPM_2_20210712T090227_20210712T091635_C001 CCG_Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCG_Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCG_Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCG_Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCG_Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCG_Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCG_Altimeter Range and Backscatter Quality Flags	CS_OFFL_SIR_GOPM_2_20210712T061500_20210712T065036_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags	CS_OFFL_SIR_GOPM_2_20210712T071243_20210712T071718_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210712T080807_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210712T081609_20210712T083035_C001 CS_OFFL_SIR_GOPM_2_20210712T081609_20210712T083035_C001 CS_OFFL_SIR_GOPM_2_20210712T084311_20210712T090048_C001 CS_OFFL_SIR_GOPM_2_20210712T084311_20210712T090048_C001 CS_OFFL_SIR_GOPM_2_20210712T084311_20210712T090048_C001 CS_OFFL_SIR_GOPM_2_20210712T090227_20210712T091635_C001 CS_OFFL_SIR_GOPM_2_20210712T090227_20210712T091635_C001 CS_OFFL_SIR_GOPM_2_20210712T090227_20210712T091635_C001 CS_OFFL_SIR_GOPM_2_20210712T090227_20210712T091635_C001 CS_OFFL_SIR_GOPM_2_20210712T090227_20210712T091635_C001 CS_OFFL_SIR_GOPM_2_20210712T090227_20210712T091635_C001 CS_OFFL_SIR_GOPM_2_20210712T090227_20210712T091635_C001 CS_OFFL_SIR_GOPM_2_20210712T090227_20210712T0902821_C001	CS_OFFL_SIR_GOPM_2_20210712T071759_20210712T073539_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210712T081609_20210712T083035_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Set for one or more records. CS_OFFL_SIR_GOPM_2_20210712T084311_20210712T090048_C001 CS_OFFL_SIR_GOPM_2_20210712T084311_20210712T090048_C001 CS_OFFL_SIR_GOPM_2_20210712T090227_20210712T091635_C001 CS_OFFL_SIR_GOPM_2_20210712T090227_20210712T091635_C001 CS_OFFL_SIR_GOPM_2_20210712T090227_20210712T091635_C001 CS_OFFL_SIR_GOPM_2_20210712T090227_20210712T091635_C001 CS_OFFL_SIR_GOPM_2_20210712T090227_20210712T091635_C001 CS_OFFL_SIR_GOPM_2_20210712T090227_20210712T091635_C001 CS_OFFL_SIR_GOPM_2_20210712T090227_20210712T091635_C001 CS_OFFL_SIR_GOPM_2_20210712T090227_20210712T0902821_C001	CS_OFFL_SIR_GOPM_2_20210712T075443_20210712T080807_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210712T084311_20210712T090048_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210712T090227_20210712T091635_C001 CS_OFFL_SIR_GOPM_2_20210712T090227_20210712T091635_C001 Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210712T090227_20210712T091635_C001 CS_OFFL_SIR_GOPM_2_20210712T091635_C001 CS_OFFL_SIR_GOPM_2_20210712T091635_C001 CS_OFFL_SIR_GOPM_2_20210712T091635_C001 CS_OFFL_SIR_GOPM_2_20210712T091635_C001 CS_OFFL_SIR_GOPM_2_20210712T091635_C001 CS_OFFL_SIR_GOPM_2_20210712T091635_C001 CS_OFFL_SIR_G	CS_OFFL_SIR_GOPM_2_20210712T081609_20210712T083035_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210712T090227_20210712T091635_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range and Backscatter Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set	CS_OFFL_SIR_GOPM_2_20210712T084311_20210712T090048_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_GOPM_2_20210712T090227_20210712T091635_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_GOPM_2_20210712T092418_20210712T092621_C001		

Description of the control of the co			
Debt. Silk. GOPM. 2 20210712T100287_20210712T103288_COPM_2 20210712T103287_20210712T103288_COPM_2 20210712T103287_20210712T103288_COPM_2 20210712T103287_20210712T103288_COPM_2 20210712T103287_20210712T103288_COPM_2 20210712T103287_20210712T103288_COPM_2 20210712T103287_20210712T10328_COPM_2 20210712T10328_COPM_2 202	CS_OFFL_SIR_GOPM_2_20210712T092721_20210712T093122_C001		
Co. OFFL. SIRL, GOPM_2_202187127110813_2018712710910_CDD	CS_OFFL_SIR_GOPM_2_20210712T093337_20210712T094808_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Secretary County Secretary C	CS_OFFL_SIR_GOPM_2_20210712T095038_20210712T100001_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CB_OFFL_SIR_GOPM_2_20210712T100481_20210712T105209_0001 CB_OFFL_SIR_GOPM_2_20210712T100481_20210712T105209_0001 CB_OFFL_SIR_GOPM_2_20210712T100482_20210712T1005209_0001 CB_OFFL_SIR_GOPM_2_20210712T100482_20210712T1005209_0001 CB_OFFL_SIR_GOPM_2_20210712T100482_20210712T1005209_0001 CB_OFFL_SIR_GOPM_2_20210712T100482_20210712T100578_0001 CB_OFFL_SIR_GOPM_2_20210712T100482_20210712T10055_0001 CB_OFFL_SIR_GOPM_2_20210712T100482_20210712T10055_0001 CB_OFFL_SIR_GOPM_2_20210712T100480_20210712T10055_0001 CB_OFFL_SIR_GOPM_2_20210712T100490_20210712T10055_0001 CB_OFFL_SIR_GOPM_2_20210712T100490_2021001012T100590_2001 CB_OFFL_SIR_GOPM_2_20210712T100490_2001012T100590_20010 CB_OFFL_SIR_GOPM_2_20210712T100490_2001012T100590_20010 CB_OFFL_SIR_GOPM_2_20210712T100490_2001012T100590_20010 CB_OFFL_SIR_GOPM_2_20210712T100490_2001012T100590_20010 CB_OFFL_SIR_GOPM_2_20210712T100490_2001012T100590_20010 CB_OFFL_SIR_GOPM_2_20210712T100490_20010112T100590_20010 CB_OFFL_SIR_GOPM_2_20210712T100490_20010112T100590_20010 CB_OFFL_SIR_GOPM_2_20210712T100490_20010112T100590_20010 CB_OFFL_SIR_GOPM_2_20210712T100490_20010112T100590_200101 CB_OFFL_SIR_GOPM_2_20210712T100490_20010112T100590_200101 CB_OFFL_SIR_GOPM_2_20210712T100490_20010112T100590_200101 CB_OFFL_SIR_GOPM_2_20210712T100490_20010112T100590_200	CS_OFFL_SIR_GOPM_2_20210712T101813_20210712T101914_C001		
and Baskoscater Quality Coop Annexes Fange and Baskoscater Quality Fings have been Alternated Fange and Baskoscater Quality Fings have been Service Fange	CS_OFFL_SIR_GOPM_2_20210712T102249_20210712T103907_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and the OCOS Affereite Range and Backscatter Quality Flags have been set for one or necessary. CS_OFFL_SIR_GOPM_2_20210712T11323_20210712T1112756_C001 CS_OFFL_SIR_GOPM_2_20210712T11323_20210712T112756_C001 CS_OFFL_SIR_GOPM_2_20210712T11323_20210712T112756_C001 CS_OFFL_SIR_GOPM_2_20210712T11323_20210712T112756_C001 CS_OFFL_SIR_GOPM_2_20210712T12445_20210712T112756_C001 CS_OFFL_SIR_GOPM_2_20210712T12445_20210712T13275_C001 CS_OFFL_SIR_GOPM_2_20210712T12445_20210712T13275_C001 CS_OFFL_SIR_GOPM_2_20210712T12445_20210712T13456_C001 CS_OFFL_SIR_GOPM_2_20210712T12458_20210712T13456_C001 CS_OFFL_SIR_GOPM_2_20210712T12458_20210712T13456_C001 CS_OFFL_SIR_GOPM_2_20210712T12458_20210712T13456_C001 CS_OFFL_SIR_GOPM_2_20210712T125034_20210712T13456_C001 CS_OFFL_SIR_GOPM_2_20210712T135028_20210712T13456_C001 CS_OFFL_SIR_GOPM_2_20210712T135028_20210712T13456_C001 CS_OFFL_SIR_GOPM_2_20210712T135028_20210712T13456_C001 CS_OFFL_SIR_GOPM_2_20210712T135028_20210712T13456_C001 CS_OFFL_SIR_GOPM_2_20210712T135028_20210712T13456_C001 CS_OFFL_SIR_GOPM_2_20210712T135028_20210712T13456_C001 CS_OFFL_SIR_GOPM_2_20210712T135028_20210712T13456_C001 CS_OFFL_SIR_GOPM_2_20210712T135028_20210712T1356_C001 CS_OFFL_SIR_GOPM_2_20210712T1356_C001 CS_OFFL_SIR_GOPM_2_20210712T1356_C001 CS_OFFL_SIR_GOPM_2_20210712T1356_C001 CS_OFFL_SIR_GOPM_2_20210712T1356_C001 CS_OFFL_SIR_GOPM_2_20210712T1356_C001 CS_OFFL_SIR_GOPM_2_20210712T1356_C001 CS_OFFL_SIR_GOPM_2_20210712T1356_C001 CS_OFFL_SIR_G	CS_OFFL_SIR_GOPM_2_20210712T104513_20210712T105203_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Badescater Quality CS_OFFL_SIR_GOPM_2_20210712T11323_20210712T1275_COUNT and Backscater Quality Flags have been set for one or nor records. CS_OFFL_SIR_GOPM_2_20210712T12033_20210712T1275_COUNT and Backscater Quality Flags have been set for one or nor records. CS_OFFL_SIR_GOPM_2_20210712T12033_20210712T12155_COUNT and Backscater Quality Flags have been set for one or nor records. CS_OFFL_SIR_GOPM_2_20210712T12033_20210712T13165_COUNT and Backscater Quality. COUNT and Backscater Quality Flags have been set for one or nor records. CS_OFFL_SIR_GOPM_2_20210712T12033_20210712T13165_COUNT and Backscater Quality. COUNT and Backscater Quality. Flags have been set for nor records. CS_OFFL_SIR_GOPM_2_20210712T12033_20210712T13165_COUNT and Backscater Quality. COUNT and Backscater Quality. Flags have been set for one or nor records. CS_OFFL_SIR_GOPM_2_20210712T14090_20210712T140910_COUNT and Backscater Quality. COUNT and Backscater Quality. Flags have been set for one or nor records. CS_OFFL_SIR_GOPM_2_20210712T140932_20210712T19092_20010712T19092_20010712T19092_20010712T19092_20010712T19092_20010712T19092_20010712T19092_20010712T1	CS_OFFL_SIR_GOPM_2_20210712T105444_20210712T105730_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
one (Backscater Quality, COCG) and Backscater Quality, COCG Altmeter Range and Backscater Quality Flags have been after the Cock Altmeter Range and Backscater Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210712T124339_20210712T124399_CO01 CS_OFFL_SIR_GOPM_2_20210712T124339_20210712T124399_CO01 CS_OFFL_SIR_GOPM_2_20210712T133028_20210712T13695_CO01 CS_OFFL_SIR_GOPM_2_20210712T133028_20210712T13695_CO01 CS_OFFL_SIR_GOPM_2_20210712T133028_20210712T13409_CO01 CS_OFFL_SIR_GOPM_2_20210712T13028_20210712T135028_CO01 CS_OFFL_SIR_GOPM_2_20210712T13028_20210712T135028_CO01 CS_OFFL_SIR_GOPM_2_20210712T13028_20210712T135028_CO01 CS_OFFL_SIR_GOPM_2_20210712T13028_20210712T135038_CO01 CS_OFFL_SIR_GOPM_2_20210712T13028_20210712T135038_CO01 CS_OFFL_SIR_GOPM_2_20210712T13028_20210712T135038_CO01 CS_OFFL_SIR_GOPM_2_20210712T13028_20210712T135038_CO01 CS_OFFL_SIR_GOPM_2_20210712T13028_20210712T130302_CO01 CS_OFFL_SIR_GOPM_2_20210712T1303032_20210712T130302_CO01 CS_OFFL_SIR_GOPM_2_20210712T1303032_20210712T130302_CO01 CS_OFFL_SIR_GOPM_2_20210712T1303032_20210712T130302_CO01 CS_OFFL_SIR_GOPM_2_20210712T1303032_20210712T130302_CO01 CS_OFFL_SIR_GOPM_2_20210712T1303032_20210712T130302_CO01 CS_OFFL_SIR_GOPM_2_20210712T1303032_20210712T130302_CO01 CS_OFFL_SIR_GOPM_2_20210712T1303032_20210712T150302_CO01 CS_OFFL_SIR_GOPM_2_20210712T1303032_20210712T150302_CO01 CS_OFFL_SIR_GOPM_2_20210712T1303032_20210712T150302_CO01 CS_OFFL_SIR_GOPM_2_20210712T1303032_20210712T150302_CO01 CS_OFFL_SIR_GOPM_2_20210712T160201_20210712T150302_CO01 CS_OFFL_SIR_GOPM_2_20210712T160201_20210712T150302_CO01 CS_OFFL_SIR_GOPM_2_20210712T160201_20210712T150302_CO01 CS_OFFL_SIR_GOPM_2_20210712T160201_20210712T150302_CO01 CS_OFFL_SIR_GOPM_2_20210712T160201_20210712T150302_CO01 CS_OFFL_SIR_GOPM_2_20210712T160201_20210712T150302_CO01 CS_OFFL_SIR_GOPM_2_20210712T160201_20210712T150302_CO01 CS_OFFL_SIR_GOPM_2_20210712T160201_20210712T150302_CO01 CS_OFFL_SIR_GOPM_2_20210712T160201_20210712T160302_CO01 CS_OFFL_SI	CS_OFFL_SIR_GOPM_2_20210712T110221_20210712T111025_C001		
and Backscatter Quality Flags have been addressed from the Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210712T124339_20210712T131655_C001 CS_OFFL_SIR_GOPM_2_20210712T135028_20210712T145002_C001 CS_OFFL_SIR_GOPM_2_20210712T142534_20210712T145052_C001 CS_OFFL_SIR_GOPM_2_20210712T1425028_20210712T142501_C001 CS_OFFL_SIR_GOPM_2_20210712T1425028_20210712T142501_C001 CS_OFFL_SIR_GOPM_2_20210712T1425028_20210712T142501_C001 CS_OFFL_SIR_GOPM_2_20210712T1425028_20210712T142501_C001 CS_OFFL_SIR_GOPM_2_20210712T1425028_20210712T142501_C001 CS_OFFL_SIR_GOPM_2_20210712T1425028_20210712T142501_C001 CS_OFFL_SIR_GOPM_2_20210712T1425028_20210712T142501_C001 CS_OFFL_SIR_GOPM_2_20210712T1425028_20210712T1425015_C001 CS_OFFL_SIR_GOPM_2_20210712T1425032_20210712T1425015_C001 CS_OFFL_SIR_GOPM_2_20210712T1425032_20210712T150822_C001 CS_OFFL_SIR_GOPM_2_20210712T150323_20210712T150822_C001 CS_OFFL_SIR_GOPM_2_20210712T150323_20210712T150822_C001 CS_OFFL_SIR_GOPM_2_20210712T150323_20210712T150822_C001 CS_OFFL_SIR_GOPM_2_20210712T160221_20210712T150822_C001 CS_OFFL_SIR_GOPM_2_20210712T160221_20210712T150822_C001 CS_OFFL_SIR_GOPM_2_20210712T160221_20210712T150822_C001 CS_OFFL_SIR_GOPM_2_20210712T160221_20210712T150822_C001 CS_OFFL_SIR_GOPM_2_20210712T160221_20210712T160822_C001 CS_OFFL_SIR_GOPM_2_20210712T160221_20210712T160822_C001 CS_OFFL_SIR_GOPM_2_20210712T160221_20210712T160822_C001 CS_OFFL_SIR_GOPM_2_20210712T160221_20210712T160822_C001 CS_OFFL_SIR_GOPM_2_20210712T160221_20210712T160822_C001 CS_OFFL_SIR_GOPM_2_20210712T160221_20210712T160822_C001 CS_OFFL_SIR_GOPM_2_20210712T160221_20210712T161539_C001 CS_OFFL_SIR_GOPM_2_20210712T160221_20210712T161539_C001 CS_OFFL_SIR_GOPM_2_20210712T160221_20210712T161539_C001 CS_OFFL_SIR_GOPM_2_20210712T160822_20210712T164987_C001 CCCOMAIllmeter Range_SSHA_SWH and Backscatter Quality Flags have been set for one or more records. CCCOMAIllmeter Range and Backscatter Quality Flags have been set for one or more records. CCCCOMAI	CS_OFFL_SIR_GOPM_2_20210712T111323_20210712T112755_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPM_2_20210712T128334_20210712T131655_C001 CS_OFFL_SIR_GOPM_2_20210712T128334_20210712T141655_C001 CS_OFFL_SIR_GOPM_2_20210712T138028_20210712T14165_C001 CS_OFFL_SIR_GOPM_2_20210712T142311_20210712T142758_C001 CS_OFFL_SIR_GOPM_2_20210712T142311_20210712T142758_C001 CS_OFFL_SIR_GOPM_2_20210712T142311_20210712T142910_C001 CS_OFFL_SIR_GOPM_2_20210712T142312_20210712T142910_C001 CS_OFFL_SIR_GOPM_2_20210712T142313_20210712T142910_C001 CS_OFFL_SIR_GOPM_2_20210712T142313_20210712T142910_C001 CS_OFFL_SIR_GOPM_2_20210712T142313_20210712T142910_C001 CS_OFFL_SIR_GOPM_2_20210712T142313_20210712T142910_C001 CS_OFFL_SIR_GOPM_2_20210712T142313_20210712T142910_C001 CS_OFFL_SIR_GOPM_2_20210712T142313_20210712T145915_C001 CS_OFFL_SIR_GOPM_2_20210712T142313_20210712T155221_C001 CS_OFFL_SIR_GOPM_2_20210712T150233_20210712T150922_C001 CS_OFFL_SIR_GOPM_2_20210712T160221_20210712T155241_C001 CS_OFFL_SIR_GOPM_2_20210712T160221_20210712T160751_C001 CS_OFFL_SIR_GOPM_2_20210712T160221_20210712T164127_C001 CS_OFFL_SIR_GOPM_2_20210712T16428_20210712T16427_C001 CS_OFFL_SIR_GOPM_2_20210712T16428_20210712T16427_C001 CS_OFFL_SIR_GOPM_2_20210712T16428_20210712T16427_C001 CS_OFFL_SIR_GOPM_2_20210712T16428_20210712T16427_C001 CS_OFFL_SIR_GOPM_2_20210712T16428_20210712T16427_C001 CS_OFFL_SIR_GOPM_2_20210712T16428_20210712T16427_C001 CS_OFFL_SIR_GOPM_2_20210712T16428_20210712T16427_C001 CS_OFFL_SIR_GOPM_2_20210712T16428_20210712T16427_C001 CS_OFFL_SIR_GOPM_2_20210712T16428_20210712T1642	CS_OFFL_SIR_GOPM_2_20210712T120445_20210712T123730_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCOG Bac	CS_OFFL_SIR_GOPM_2_20210712T124339_20210712T124909_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210712T142311_20210712T142910_C001 CS_OFFL_SIR_GOPM_2_20210712T142809_20210712T142910_C001 CS_OFFL_SIR_GOPM_2_20210712T142809_20210712T142910_C001 CS_OFFL_SIR_GOPM_2_20210712T142809_20210712T142910_C001 CS_OFFL_SIR_GOPM_2_20210712T142809_20210712T142910_C001 CS_OFFL_SIR_GOPM_2_20210712T142809_20210712T142910_C001 CS_OFFL_SIR_GOPM_2_20210712T142809_20210712T142910_C001 CS_OFFL_SIR_GOPM_2_20210712T150323_20210712T150922_C001 CS_OFFL_SIR_GOPM_2_20210712T150323_20210712T150922_C001 CS_OFFL_SIR_GOPM_2_20210712T160221_20210712T150922_C001 CS_OFFL_SIR_GOPM_2_20210712T160221_20210712T160751_C001 CS_OFFL_SIR_GOPM_2_20210712T160221_20210712T160751_C001 CS_OFFL_SIR_GOPM_2_20210712T160221_20210712T160751_C001 CS_OFFL_SIR_GOPM_2_20210712T160221_20210712T164412_C001 CS_OFFL_SIR_GOPM_2_20210712T160221_20210712T164412_C001 CS_OFFL_SIR_GOPM_2_20210712T164055_20210712T164412_C001 CS_OFFL_SIR_GOPM_2_20210712T164055_20210712T164492_C001 CS_OFFL_SIR_GOPM_2_20210712T164055_20210712T164492_C001 CS_OFFL_SIR_GOPM_2_20210712T164055_20210712T164492_C001 CS_OFFL_SIR_GOPM_2_20210712T164055_20210712T164492_C001 CS_OFFL_SIR_GOPM_2_20210712T164055_20210712T164492_C001 CS_OFFL_SIR_GOPM_2_20210712T164055_20210712T164492_C001 CS_OFFL_SIR_GOPM_2_20210712T164055_20210712T164492_C001 CS_OFFL_SIR_GOPM_2_20210712T164055_20210712T164927_C001 CS_OFFL_SIR_GOPM_2_20210712T164055_20210712T16492	CS_OFFL_SIR_GOPM_2_20210712T125334_20210712T131655_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPM_2_20210712T142809_20210712T142910_C001 CS_OFFL_SIR_GOPM_2_20210712T142809_20210712T142910_C001 CS_OFFL_SIR_GOPM_2_20210712T143213_20210712T145915_C001 CS_OFFL_SIR_GOPM_2_20210712T143213_20210712T150922_C001 CS_OFFL_SIR_GOPM_2_20210712T150323_20210712T150922_C001 CS_OFFL_SIR_GOPM_2_20210712T150323_20210712T150922_C001 CS_OFFL_SIR_GOPM_2_20210712T150323_20210712T150922_C001 CS_OFFL_SIR_GOPM_2_20210712T150323_20210712T150922_C001 CS_OFFL_SIR_GOPM_2_20210712T150323_20210712T150922_C001 CS_OFFL_SIR_GOPM_2_20210712T150323_20210712T150922_C001 CS_OFFL_SIR_GOPM_2_20210712T160221_20210712T150922_C001 CS_OFFL_SIR_GOPM_2_20210712T160221_20210712T160751_C001 CS_OFFL_SIR_GOPM_2_20210712T160221_20210712T160751_C001 CS_OFFL_SIR_GOPM_2_20210712T160221_20210712T161539_C001 CS_OFFL_SIR_GOPM_2_20210712T164055_20210712T164127_C001 CS_OFFL_SIR_GOPM_2_20210712T164055_20210712T164927_C001 CS_OFFL_SIR_GOPM_2_20210712T164641_20210712T164927_C001 COGG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210712T164641_20210712T164927_C001 CS_OFFL_SIR_GOPM_2_20210712T164641_20210712T164927_C001 CS_OFFL_SIR_GOPM_2_20210712T164641_20210712T164927_C0	CS_OFFL_SIR_GOPM_2_20210712T135028_20210712T141605_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPM_2_20210712T143213_20210712T145915_C001 CS_OFFL_SIR_GOPM_2_20210712T150323_20210712T150922_C001 CS_OFFL_SIR_GOPM_2_20210712T150323_20210712T150922_C001 CS_OFFL_SIR_GOPM_2_20210712T150323_20210712T150922_C001 CS_OFFL_SIR_GOPM_2_20210712T150323_20210712T150922_C001 CS_OFFL_SIR_GOPM_2_20210712T150323_20210712T150922_C001 CS_OFFL_SIR_GOPM_2_20210712T152239_20210712T155421_C001 CS_OFFL_SIR_GOPM_2_20210712T160221_20210712T160751_C001 CS_OFFL_SIR_GOPM_2_20210712T160221_20210712T160751_C001 CS_OFFL_SIR_GOPM_2_20210712T1605221_20210712T160751_C001 CS_OFFL_SIR_GOPM_2_20210712T1605221_20210712T161539_C001 CS_OFFL_SIR_GOPM_2_20210712T16055_20210712T161539_C001 CS_OFFL_SIR_GOPM_2_20210712T164055_20210712T164127_C001 CS_OFFL_SIR_GOPM_2_20210712T164055_20210712T164927_C001 CS_OFFL_SIR_GOPM_2_20210712T164441_20210712T164927_C001 CS_OFFL_SIR_GOPM_2_20210712T164441_20210712T164927_C001 CS_OFFL_SIR_GOPM_2_20210712T164441_20210712T164927_C001 CS_OFFL_SIR_GOPM_2_20210712T164441_20210712T164927_C001 CS_OFFL_SIR_GOPM_2_20210712T174124_20210712T164927_C001 CS_OFFL_SIR_GOPM_2_20210712T164441_20210712T164927_C001 CS_OFFL_SIR_GOPM_2_20210712T164441_20210712T164927_C001 CS_OFFL_SIR_GOPM_2_20210712T164441_20210712T164927_C001 CS_OFFL_SIR_GOPM_2_20210712T164441_20210712T164927_C001 CS_OFFL_SIR_GOPM_2_20210712T1	CS_OFFL_SIR_GOPM_2_20210712T142311_20210712T142758_C001		
CS_OFFL_SIR_GOPM_2_20210712T160323_20210712T160922_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Slags have been and the OCOG Altimeter Range and Backscatter Quality Slags and the OCOG Altimeter Range and Backscatter Quality Slags and the OCOG Altimeter Range and Backscatter Quality Slags and the OCOG Altimeter Range, self A, SWH and Backscatter Quality Slags and the OCOG Altimeter Range, self A, SWH and Backscatter Quality Slags and the OCOG Altimeter Range and Backscatter Quality Slags and the OCOG Altimeter Range and Backscatter Quality Slags and the OCOG Altimeter Range and Backscatter Quality Slags and the OCOG Altimeter Range and Backscatter Quality Slags and the OCOG Altimeter Range and Backscatter Quality Slags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210712T160221_20210712T160751_C001 CS_OFFL_SIR_GOPM_2_20210712T161117_20210712T161539_C001 CS_OFFL_SIR_GOPM_2_20210712T164055_20210712T164127_C001 CS_OFFL_SIR_GOPM_2_20210712T164055_20210712T164127_C001 CS_OFFL_SIR_GOPM_2_20210712T164055_20210712T164127_C001 CS_OFFL_SIR_GOPM_2_20210712T164641_20210712T164927_C001 CS_OFFL_SIR_GOPM_2_20210712T164641_20210712T164927_C001 CS_OFFL_SIR_GOPM_2_20210712T164641_20210712T164927_C001 CS_OFFL_SIR_GOPM_2_20210712T164641_20210712T164927_C001 CS_OFFL_SIR_GOPM_2_20210712T164641_20210712T164927_C001 CS_OFFL_SIR_GOPM_2_20210712T164641_20210712T164927_C001 CS_OFFL_SIR_GOPM_2_20210712T170128_20210712T174344_C001 CS_OFFL_SIR_GOPM_2_20210712T170128_20210712T174344_C001 CS_OFFL_SIR_GOPM_2_20210712T170128_20210712T174344_C001 CS_OFFL_SIR_GOPM_2_20210712T170128_20210712T174344_C001 CS_OFFL_SIR_GOPM_2_20210712T170128_20210712T174344_C001 CS_OFFL_SIR_GOPM_2_20210712T170128_20210712T174344_C001 CS_OFFL_SIR_GOPM_2_20210712T170128_20210712T174344_C001 CS_OFFL_SIR_GOPM_2_20210712T170128_20210712T174344_C001 CS_OFFL_SIR_GOPM_2_20210712T170128_20210712T174344_C001 CS_OFFL_SIR_GOPM_2_20210712T170128_20210712T1743	CS_OFFL_SIR_GOPM_2_20210712T142809_20210712T142910_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been Altimeter Range Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter	CS_OFFL_SIR_GOPM_2_20210712T143213_20210712T145915_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Set for one or more records. CS_OFFL_SIR_GOPM_2_20210712T160221_20210712T160751_C001 CS_OFFL_SIR_GOPM_2_20210712T161117_20210712T161539_C001 CS_OFFL_SIR_GOPM_2_20210712T164055_20210712T164127_C001 CS_OFFL_SIR_GOPM_2_20210712T164055_20210712T164127_C001 CS_OFFL_SIR_GOPM_2_20210712T164055_20210712T1640927_C001 CS_OFFL_SIR_GOPM_2_20210712T164051_20210712T1640927_C001 CS_OFFL_SIR_GOPM_2_20210712T164051_20210712T1640927_C001 CS_OFFL_SIR_GOPM_2_20210712T164051_20210712T1640927_C001 CS_OFFL_SIR_GOPM_2_20210712T164051_20210712T1640927_C001 CS_OFFL_SIR_GOPM_2_20210712T164051_20210712T1640927_C001 CS_OFFL_SIR_GOPM_2_20210712T164051_20210712T1640927_C001 CS_OFFL_SIR_GOPM_2_20210712T164051_20210712T1640927_C001 CS_OFFL_SIR_GOPM_2_20210712T1640641_20210712T1640927_C001 CS_OFFL_SIR_GOPM_2_20210712T1640641_20210712T1640927_C001 CS_OFFL_SIR_GOPM_2_20210712T170128_20210712T173434_C001 CS_OFFL_SIR_GOPM_2_20210712T170128_20210712T173434_C001 CS_OFFL_SIR_GOPM_2_20210712T170128_20210712T173434_C001 CS_OFFL_SIR_GOPM_2_20210712T170128_20210712T173434_C001 CS_OFFL_SIR_GOPM_2_20210712T170128_20210712T173434_C001 CCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210712T170128_20210712T173434_C001 CCOG Altimeter Range Quality, OCOG 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.	CS_OFFL_SIR_GOPM_2_20210712T150323_20210712T150922_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPM_2_20210712T161117_20210712T161539_C001 Backscatter Quality CS_OFFL_SIR_GOPM_2_20210712T161117_20210712T161539_C001 CS_OFFL_SIR_GOPM_2_20210712T164055_20210712T164127_C001 CS_OFFL_SIR_GOPM_2_20210712T164055_20210712T164927_C001 CS_OFFL_SIR_GOPM_2_20210712T164641_20210712T164927_C001 CS_OFFL_SIR_GOPM_2_20210712T164641_20210712T164927_C001 CS_OFFL_SIR_GOPM_2_20210712T170128_20210712T173434_C001 COCG_Altimeter Range, SSHA, SWH and Backscatter Quality Flags have	CS_OFFL_SIR_GOPM_2_20210712T152239_20210712T155421_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210712T161117_20210712T161539_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210712T164055_20210712T164127_C001 CS_OFFL_SIR_GOPM_2_20210712T164641_20210712T164927_C001 CS_OFFL_SIR_GOPM_2_20210712T164641_20210712T164927_C001 CS_OFFL_SIR_GOPM_2_20210712T164641_20210712T164927_C001 CS_OFFL_SIR_GOPM_2_20210712T170128_20210712T173434_C001 CS_OFFL_SIR_GOPM_2_20210712T170128_20210712T173434_C001 CS_OFFL_SIR_GOPM_2_20210712T170128_20210712T173434_C001 CS_OFFL_SIR_GOPM_2_20210712T170128_20210712T173434_C001 CS_OFFL_SIR_GOPM_2_20210712T170128_20210712T173434_C001 CS_OFFL_SIR_GOPM_2_20210712T170128_20210712T173434_C001 CS_OFFL_SIR_GOPM_2_20210712T174124_20210712T173434_C001 CS_OFFL_SIR_GOPM_2_20210712T174124_20210712T174227_C001	CS_OFFL_SIR_GOPM_2_20210712T160221_20210712T160751_C001		
Backscatter Quality CS_OFFL_SIR_GOPM_2_20210712T164641_20210712T164927_C001 Backscatter Quality CS_OFFL_SIR_GOPM_2_20210712T164641_20210712T164927_C001 CS_OFFL_SIR_GOPM_2_20210712T170128_20210712T173434_C001 CS_OFFL_SIR_GOPM_2_20210712T170128_20210712T173434_C001 CS_OFFL_SIR_GOPM_2_20210712T170128_20210712T173434_C001 CS_OFFL_SIR_GOPM_2_20210712T170128_20210712T173434_C001 CS_OFFL_SIR_GOPM_2_20210712T170128_20210712T173434_C001 CS_OFFL_SIR_GOPM_2_20210712T170128_20210712T173434_C001 CS_OFFL_SIR_GOPM_2_20210712T174124_20210712T173434_C001 CS_OFFL_SIR_GOPM_2_20210712T174124_20210712T174227_C001	CS_OFFL_SIR_GOPM_2_20210712T1611117_20210712T161539_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210712T164641_20210712T164927_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality Flags have been and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been altimeter Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range and Backscatter Quality Flags have been and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPM_2_20210712T164055_20210712T164127_C001		
CS_OFFL_SIR_GOPM_2_20210712T170128_20210712T173434_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records. CS_OFFL_SIR_GOPM_2_20210712T174124_20210712T174227_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set. CS_OFFL_SIR_GOPM_2_20210712T174124_20210712T174227_C001	CS_OFFL_SIR_GOPM_2_20210712T164641_20210712T164927_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_GOPM_2_20210712T170128_20210712T173434_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_GOPM_2_20210712T174124_20210712T174227_C001		
CS_OFFL_SIR_GOPM_2_20210712T174229_20210712T174638_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_20210712T174229_20210712T174638_C001		
CS_OFFL_SIR_GOPM_2_20210712T175141_20210712T180817_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPM_2_20210712T175141_20210712T180817_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210712T182617_20210712T182634_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPM_2_20210712T182617_20210712T182634_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_GOPM_2_20210712T183752_20210712T191316_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_20210712T191705_20210712T192125_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_20210712T193025_20210712T200405_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_20210712T200522_20210712T200809_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_20210712T201622_20210712T203103_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_20210712T204034_20210712T205249_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_20210712T205507_20210712T210025_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_20210712T211055_20210712T212402_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_20210712T212616_20210712T214257_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_20210712T220540_20210712T221606_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_20210712T221745_20210712T223138_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_20210712T223434_20210712T223937_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_20210712T224808_20210712T224906_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_20210712T225535_20210712T230016_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_20210712T230519_20210712T230529_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_20210712T230641_20210712T230954_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_20210712T231117_20210712T231822_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_20210712T234705_20210712T234706_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_20210712T235007_20210713T001014_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_20210712T021157_20210712T021214_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_20210712T191512_20210712T191705_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_20210712T200417_20210712T200507_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_20210712T224910_20210712T225013_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_20210712T053009_20210712T053222_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_20210712T174802_20210712T175140_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (20Hz PLRM)

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

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

Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20210712T001327_20210712T001719_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_20210712T002232_20210712T002306_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_20210712T003432_20210712T003713_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_20210712T010316_20210712T010549_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_20210712T014449_20210712T014822_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_20210712T024208_20210712T024336_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_20210712T033213_20210712T033320_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_20210712T040229_20210712T040603_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_20210712T042218_20210712T042336_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_20210712T042908_20210712T043225_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_20210712T053935_20210712T054132_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_20210712T060805_20210712T061118_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_20210712T074238_20210712T074512_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_20210712T074710_20210712T075244_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_20210712T083757_20210712T084259_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_20210712T092133_20210712T092417_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_20210712T100001_20210712T100235_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_20210712T101705_20210712T101813_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_20210712T103927_20210712T104513_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_20210712T105203_20210712T105444_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_20210712T110006_20210712T110220_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_20210712T115621_20210712T120216_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_20210712T123914_20210712T124102_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_20210712T124308_20210712T124339_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_20210712T124909_20210712T125136_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_20210712T131655_20210712T131753_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_20210712T132614_20210712T132631_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_20210712T133113_20210712T133141_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_20210712T133636_20210712T134040_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_20210712T141841_20210712T142023_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_20210712T142127_20210712T142310_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_20210712T142910_20210712T143033_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_20210712T151836_20210712T152239_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_20210712T155852_20210712T160221_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_20210712T160751_20210712T160907_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_20210712T162712_20210712T162823_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_20210712T164536_20210712T164640_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_20210712T165729_20210712T165928_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_20210712T174638_20210712T174802_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_20210712T205329_20210712T205507_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_20210712T214615_20210712T214832_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_20210712T220225_20210712T220540_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_20210712T224115_20210712T224619_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_20210712T225249_20210712T225535_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_20210712T230016_20210712T230513_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_20210712T232158_20210712T232710_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_20210712T234259_20210712T234648_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_20210712T001054_20210712T001204_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_20210712T001719_20210712T002232_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_20210712T011453_20210712T011632_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_20210712T015507_20210712T020253_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_20210712T025348_20210712T025634_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_20210712T033130_20210712T033213_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.

	Ocean Altimeter Range, SSHA, SWH	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags
CS_OFFL_SIR_GOPR_2_20210712T033321_20210712T034052_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20210712T041943_20210712T042218_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_20210712T043226_20210712T043622_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_20210712T051149_20210712T051855_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_20210712T052502_20210712T052753_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_20210712T055747_20210712T060140_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_20210712T061118_20210712T061500_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_20210712T073539_20210712T074238_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_20210712T075245_20210712T075443_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_20210712T083223_20210712T083647_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_20210712T091635_20210712T092133_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_20210712T093300_20210712T093337_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_20210712T101018_20210712T101310_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_20210712T105731_20210712T110006_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_20210712T112756_20210712T113600_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_20210712T114951_20210712T115621_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_20210712T120216_20210712T120445_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_20210712T123731_20210712T123914_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_20210712T125136_20210712T125334_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_20210712T133141_20210712T133636_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_20210712T143033_20210712T143212_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_20210712T155421_20210712T155851_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_20210712T160908_20210712T161117_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_20210712T164233_20210712T164528_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_20210712T164927_20210712T165728_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_20210712T173434_20210712T173803_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_20210712T174802_20210712T175140_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_20210712T191317_20210712T191512_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_20210712T192648_20210712T193025_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_20210712T200917_20210712T201621_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_20210712T210436_20210712T211055_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_20210712T223138_20210712T223245_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_20210712T231950_20210712T232157_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (1 Hz & 1Hz PLRM)

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

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

Number of products with errors: 17

5.8 L2 Ocean Retracking Quality Check

L2 Retracking Flags (20Hz)

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

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

Number of products with errors: 57

L2 Retracking Flags (20Hz, PLRM)

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

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

Number of products with errors:

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

6.1 P2P Product Format Check

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

Number of products with errors:

0

6.2 P2P Product Header Analysis

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

Number of products with errors:

0

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

6.4 P2P Auxiliary Correction Error Check

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

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

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

Number of products with errors: 3

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20210711T233026_20210712T002001_C002	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_20210712T002001_20210712T010940_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_20210712T010940_20210712T015916_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_20210712T015916_20210712T024855_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_20210712T024855_20210712T033830_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_20210712T033830_20210712T042810_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_20210712T042810_20210712T051745_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_20210712T051745_20210712T060724_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_20210712T060724_20210712T065700_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20210712T065700_20210712T074639_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_20210712T074639_20210712T083614_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_20210712T083614_20210712T092553_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_20210712T092553_20210712T101529_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_20210712T101529_20210712T110508_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20210712T110508_20210712T115444_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_20210712T115444_20210712T124423_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20210712T124423_20210712T133358_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_20210712T133358_20210712T142338_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_20210712T142338_20210712T151313_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_20210712T151313_20210712T160252_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_20210712T160252_20210712T165228_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_20210712T165228_20210712T174207_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_20210712T174207_20210712T183142_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_20210712T183142_20210712T192121_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_20210712T192121_20210712T201057_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_20210712T201057_20210712T210036_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_20210712T210036_20210712T215012_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20210712T215012_20210712T223951_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20210712T223951_20210712T232926_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20210712T232926_20210713T001905_C002	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

6.5 P2P Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20210712T160252_20210712T165228_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOP_220210712T210036_20210712T215012_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

6.6 P2P Measurement Quality Flag Check

P2P Quality Flags (20Hz)

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

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

Number of products with errors:

30

P2P Quality Flags (20Hz PLRM)

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

Number of products with errors:

30

P2P Quality Flags (1 Hz & 1Hz PLRM)

Number of products with errors:

30

6.8 P2P Ocean Retracking Quality Check

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

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

Number of products with errors:

P2P Retracking Flags PLRM

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

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

Number of products with errors: