

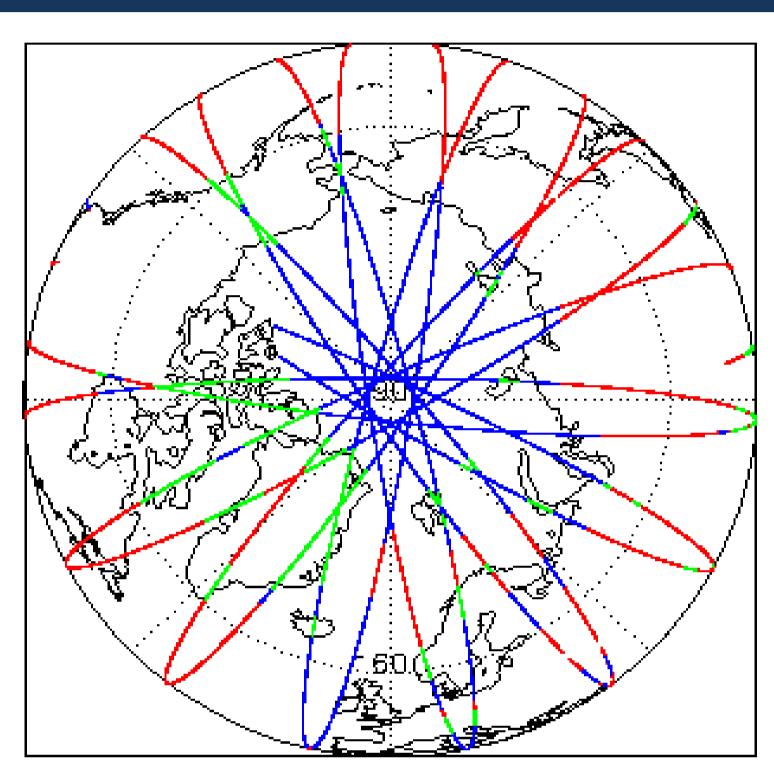
1. Overview

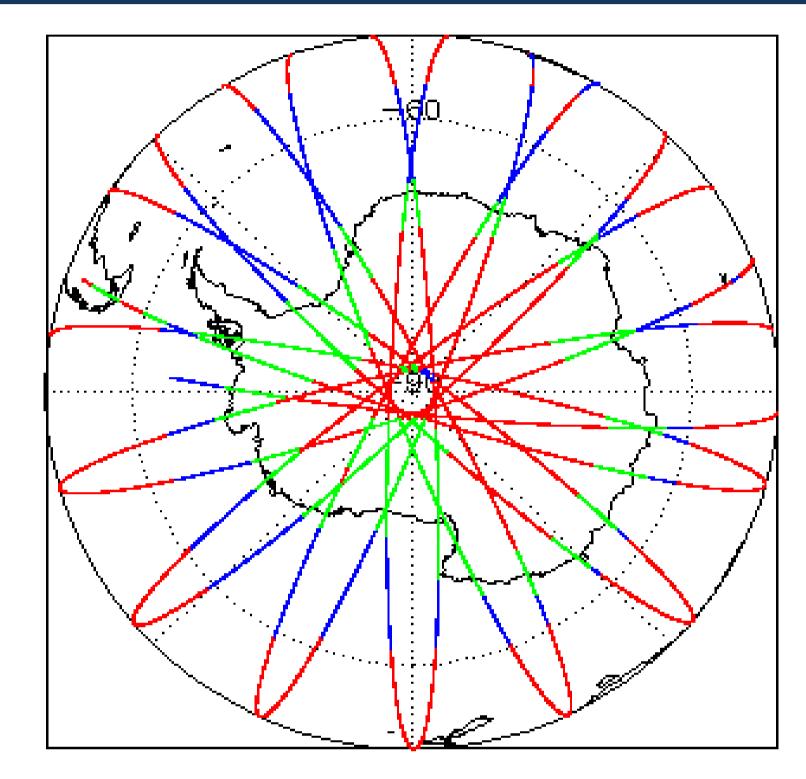
Report Production:	02-Dec-2020
Processor Used:	CryoSat Ocean Processor
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data

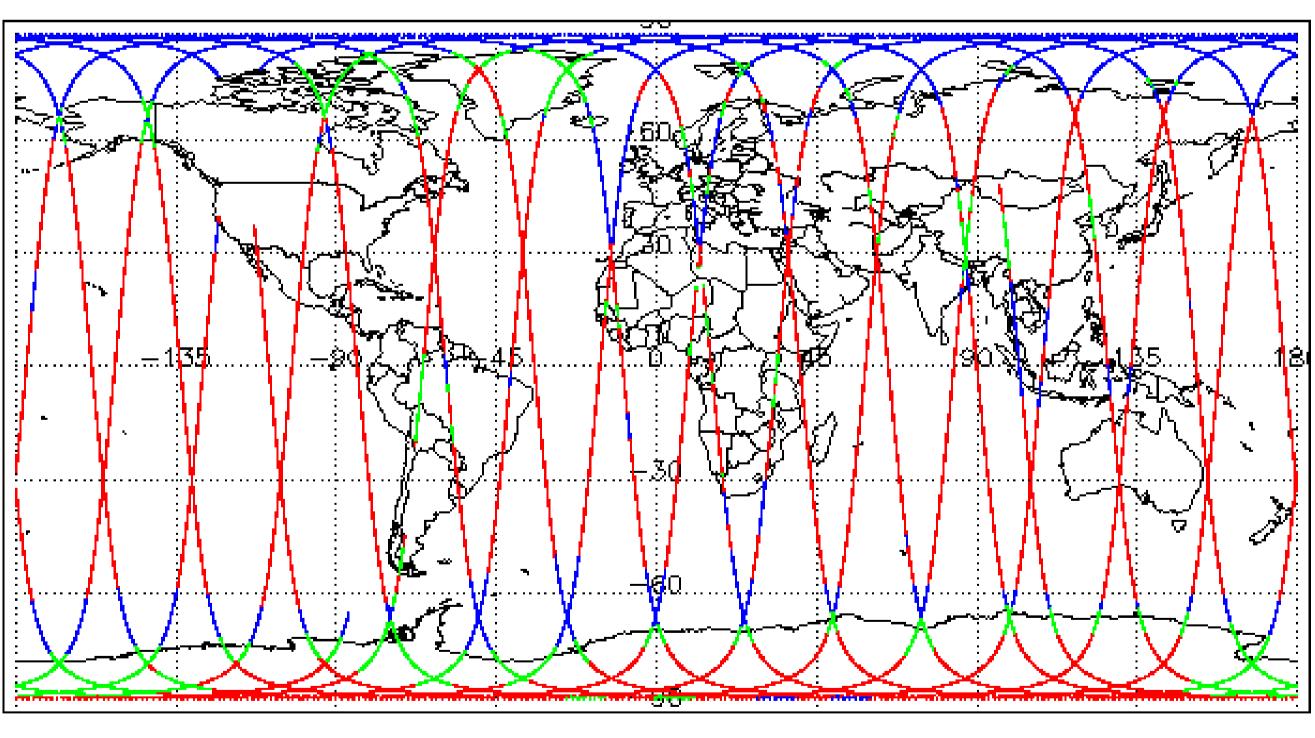
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary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

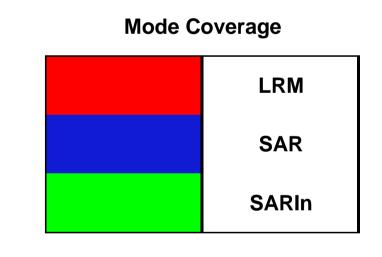
N	/lission / Instru	ment News
	01-Nov-2020	None
	02-Nov-2020	None
	03-Nov-2020	Nothing planned

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

4. GOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

4.2 L1B Product Header Analysis

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

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

Number of products with errors:

4.3 L1B Auxilary Data File Usage Check

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

Number of products with errors:

4.4 L1B Auxiliary Correction Error Check

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

0

0

Number of products with errors:

4.5 L1B Measurement Confidence Data Check

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

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

Number of products with errors:

ProductTest FailedDescriptionCS_OFFL_SIR_GOPM1B_20201102T223823_20201102T225615_C001Power scaling errorThere 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.

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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20201102T094506_20201102T100021_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20201102T010353_20201102T010842_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20201102T042739_20201102T042900_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20201102T064416_20201102T064826_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20201102T105337_20201102T105550_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20201102T123933_20201102T124007_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20201102T205453_20201102T205919_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20201102T223354_20201102T223505_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20201102T231018_20201102T231213_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20201102T064150_20201102T064416_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: 0

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

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

0

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.

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_202011021103342_202011021104940_C001	Geocentric Ocean Tide (GOT)	There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPM_2_20201102T223823_20201102T225615_C001	Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records

CS_OFFL_SIR_GOPN_2_20201102T000729_20201102T000913_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20201102T001751_20201102T001952_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20201102T010353_20201102T010842_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_20201102T032805_20201102T033033_C001	Tide (FES) Non-Familibrium Long Period	Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean
CS_OFFL_SIR_GOPN_2_20201102T050628_20201102T050941_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_20201102T055104_20201102T055232_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20201102T064416_20201102T064826_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_20201102T065358_20201102T065524_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_20201102T073342_20201102T073737_C001	Tide (FES) Non-Fauilibrium Long Period	Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean
CS_OFFL_SIR_GOPN_2_20201102T083152_20201102T083336_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_20201102T091539_20201102T091634_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_20201102T100945_20201102T101202_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_20201102T104940_20201102T105240_C001	Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non- Fauilibrium Long Period Ocean Tide	There is an error with the Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20201102T105337_20201102T105550_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20201102T114001_20201102T114153_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20201102T114840_20201102T115324_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20201102T123019_20201102T123414_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_20201102T132957_20201102T133147_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_20201102T163908_20201102T164021_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20201102T164801_20201102T164917_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20201102T181821_20201102T181945_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_20201102T182455_20201102T182804_C001	Tide (FES) Non-Equilibrium Long Period	Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean
CS_OFFL_SIR_GOPN_2_20201102T195906_20201102T200153_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_20201102T200359_20201102T200926_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_20201102T205453_20201102T205919_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_20201102T213834_20201102T214110_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_20201102T223354_20201102T223505_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_20201102T231018_20201102T231213_C001	Iviean Sea Surrace (1), Iviean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean	Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean
CS_OFFL_SIR_GOPN_2_20201102T231551_20201102T231922_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_20201102T005709_20201102T010353_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_20201102T023858_20201102T024420_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_20201102T040708_20201102T040906_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_20201102T041806_20201102T042600_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_20201102T054925_20201102T055104_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_20201102T055629_20201102T060541_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_20201102T073737_20201102T073852_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the GPD Wet Tropospheric correction, the MSS height (solution 1) and tidal corrections for one or more records
CS_OFFL_SIR_GOPR_2_20201102T073852_20201102T074500_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_20201102T091634_20201102T092215_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_20201102T092229_20201102T092345_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_20201102T105550_20201102T105652_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_20201102T105653_20201102T110239_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_20201102T122802_20201102T122941_C001	Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPR_2_20201102T123414_20201102T123933_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_20201102T141232_20201102T142227_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_20201102T155006_20201102T155744_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_20201102T160703_20201102T160735_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_20201102T160748_20201102T160859_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_20201102T172800_20201102T173550_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_20201102T173550_20201102T173713_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_20201102T190739_20201102T191450_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_20201102T191450_20201102T191731_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_20201102T204923_20201102T205344_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_20201102T205344_20201102T205453_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_20201102T222720_20201102T222957_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_20201102T222957_20201102T223354_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_20201102T234502_20201102T234751_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20201102T223823_20201102T225615_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.

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Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20201102T000913_20201102T001750_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_20201102T002053_20201102T004252_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_20201102T012054_20201102T014428_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_20201102T015115_20201102T015550_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_20201102T020036_20201102T020331_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_20201102T020417_20201102T022410_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_20201102T025739_20201102T032223_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_20201102T033033_20201102T033627_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_20201102T033948_20201102T035740_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_20201102T040020_20201102T040301_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_20201102T041525_20201102T041635_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_20201102T042900_20201102T050223_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_20201102T050941_20201102T051459_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_20201102T052139_20201102T052341_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_20201102T055232_20201102T055629_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_20201102T060755_20201102T061744_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_20201102T062029_20201102T064150_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_20201102T064826_20201102T064943_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_20201102T064951_20201102T065358_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_20201102T065925_20201102T070905_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_20201102T071053_20201102T071709_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_20201102T071844_20201102T072327_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_20201102T074539_20201102T082036_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_20201102T082328_20201102T082843_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20201102T083944_20201102T091012_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_20201102T091150_20201102T091502_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_20201102T091502_20201102T091538_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_20201102T092606_20201102T094309_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.

CQ_CPTL_SRC_OPTL_SCOT NOTTONESC_SCOT NOTTONESC_COT CQ_CPTL_SRC_OPTL_SCOT NOTTONESC_SCOT NOTTONESC_COT CQ_CPTL_SRC_OPTL_SCOT NOTTONESC_SCOT NOTTONESC_COT CQ_CPTL_SRC_OPTL_SCOT NOTTONESC_SCOT NOTTONESC_COT CQ_CPTL_SRC_OPTL_SCOT NOT	CS_OFFL_SIR_GOPM_2_20201102T094506_20201102T100021_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.
Secretario College	CS_OFFL_SIR_GOPM_2_20201102T100238_20201102T100741_C001		·
Sept	CS_OFFL_SIR_GOPM_2_20201102T100820_20201102T100945_C001		
Sign CPFL_SIR_COPPL_2_2227112/T112812_222712/T11392_2221 CQ_CFFL_SIR_COPPL_2_2227112/T112812_222712/T11393_222112/T11393_2222112/T11393_222112/T11393_222112/T11393_2222112/T11393_222112/T11393_222112/T11393_222112/T11393_222112/T11393_222112/T11393_2222	CS_OFFL_SIR_GOPM_2_20201102T101708_20201102T102722_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Section Column	CS_OFFL_SIR_GOPM_2_20201102T103342_20201102T104940_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
25. OFFL. SIR. COPM 2. 222011021112502 22011021112109 (200112211260). DOES A PROMESTED AND STREET PROMESTED AND ST	CS_OFFL_SIR_GOPM_2_20201102T110756_20201102T111802_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
And Series and Books 2 (2001) (2011)	CS_OFFL_SIR_GOPM_2_20201102T112045_20201102T112328_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backster Guilly OCC APPL 98.20211021114795,20201102114600,0001 Dever Allineer Range Quality, 0CC APPL 98.2021102111505,20201102115000 Dever Allineer Range, SSHA, 9VH and Backster Quality Rags have been ast for one or more records. CS. OFFL 98.2021102111505,202011021102120,0001 Dever Allineer Range, SSHA, 9VH and Backster Quality Rags have been ast for one or more records. CS. OFFL 98.2021102111505,202011021102120,0001 Dever Allineer Range, SSHA, 9VH and Backster Quality Rags have been ast for one or more records. CS. OFFL 98.202110211212050, 202011021102120,0001 Dever Allineer Range, SSHA, 9VH and Backster Quality Rags have been ast for one or more records. CS. OFFL 98.2021102112020 3000110211021200 DOM 1000110211021000 DOM 100011021102100 DOM 10001102102100	CS_OFFL_SIR_GOPM_2_20201102T112507_20201102T113848_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Bardescater Outley	CS_OFFL_SIR_GOPM_2_20201102T114153_20201102T114653_C001		
of final-baselier Quality, COOS Altrinder Range and Baselsoatier Quality Flags have been at the COOS Altrinder Range and Baselsoatier Quality Flags have been set for or or or or records. CS_OFFL_SIR_GOPW_2_20201102T13208_20201102T	CS_OFFL_SIR_GOPM_2_20201102T114735_20201102T114840_C001	•	
and Backscatter Quality Althreder Range and Backscatter Quality Flags have been ad function of more records. CS_OFFL_SIR_GOPM_2_202011027132288_202011027132811.CD1 CS_OFFL_SIR_GOPM_2_202011027133328_202011027140337_CD1 CS_OFFL_SIR_GOPM_2_2020110271433328_202011027140337_CD1 CS_OFFL_SIR_GOPM_2_2020110271433328_202011027140337_CD1 CS_OFFL_SIR_GOPM_2_2020110271433328_202011027140337_CD1 CS_OFFL_SIR_GOPM_2_2020110271433338_202011027140337_CD1 CS_OFFL_SIR_GOPM_2_2020110271403332_202011027140034_CD1 CS_OFFL_SIR_GOPM_2_202011027160033_202011027150000_CD1 CS_OFFL_SIR_GOPM_2_202011027160033_202011027150000_CD1 CS_OFFL_SIR_GOPM_2_202011027160033_202011027150000_CD1 CS_OFFL_SIR_GOPM_2_202011027160033_202011027150000_CD1 CS_OFFL_SIR_GOPM_2_202011027160033_202011027150000_CD1 CS_OFFL_SIR_GOPM_2_202011027160333_202011027150000_CD1 CS_OFFL_SIR_GOPM_2_202011027160333_202011027150000_CD1 CS_OFFL_SIR_GOPM_2_202011027160333_202011027150000_CD1 CS_OFFL_SIR_GOPM_2_202011027161313_202011027150000_CD1 CS_OFFL_SIR_GOPM_2_202011027163031_202011027150000_CD1 CS_OFFL_SIR_GOPM_2_202011027163031_202011027150000_CD1 CS_OFFL_SIR_GOPM_2_202011027163031_202011027150000_CD1 CS_OFFL_SIR_GOPM_2_202011027163031_202011027150000_CD1 CS_OFFL_SIR_GOPM_2_202011027163031_2020110271500000000000000000000000000000	CS_OFFL_SIR_GOPM_2_20201102T115439_20201102T122802_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality for one or more records. CS OFFL SIR GOPM 2 20201102T133328 20201102T140337 COOI Coean Altimeter Range and Backscatter Quality Flags have been and backscatter Quality Flags have been set for one or more records. CS OFFL SIR GOPM 2 20201102T143305 20201102T145655 COOI CS OFFL SIR GOPM 2 20201102T150021 20201102T150528 COOI CS OFFL SIR GOPM 2 20201102T150033 20201102T150528 COOI CS OFFL SIR GOPM 2 20201102T15033 20201102T150528 COOI CS OFFL SIR GOPM 2 20201102T16033 20201102T150528 COOI CS OFFL SIR GOPM 2 20201102T16033 20201102T15052 COOI CS OFFL SIR GOPM 2 20201102T16033 20201102T16033 COOI CS OFFL SIR GOPM 2 20201102T16102T 20201102T16053 COOI CS OFFL SIR GOPM 2 20201102T16102T 20201102T16102T COOI CS OFFL SIR GOPM 2 20201102T16033 2 20201102T161053 COOI CS OFFL SIR GOPM 2 20201102T16033 2 20201102T161053 COOI CS OFFL SIR GOPM 2 20201102T16033 2 20201102T161053 COOI CS OFFL SIR GOPM 2 20201102T16033 2 20201102T161053 COOI CS OFFL SIR GOPM 2 20201102T16033 2 20201102T161050 COOI CS OFFL SIR GOPM 2 20201102T16033 2 20201102T161050 COOI CS OFFL SIR GOPM 2 20201102T16033 2 20201102T161050 COOI CS OFFL SIR GOPM 2 20201102T16033 2 20201102T161050 COOI CS OFFL SIR GOPM 2 20201102T16033 2 20201102T161050 COOI CS OFFL SIR GOPM 2 20201102T16033 2 20201102T161050 COOI CS OFFL SIR GOPM 2 20201102T16033 2 20201102T161050 COOI CS OFFL SIR GOPM 2 20201102T16033 2 20201102T161050 COOI CS OFFL SIR GOPM 2 20201102T16033 2 20201102T161050 COOI CS OFFL SIR GOPM 2 20201102T16033 2 20201102T16050 COOI CS OFFL SIR GOPM 2 20201102T16033 2 20201102T16050 COOI CS OFFL SIR GOPM 2 20201102T16033 2 20	CS_OFFL_SIR_GOPM_2_20201102T125636_20201102T131729_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality COCG Allimeter Range and Backscatter Quality Flags have been per growth. SHA, SWH and Backscatter Quality Flags and the OCGG Allimeter Range and Backscatter Quality Flags have been per growth. SHA, SWH and Backscatter Quality Flags have been per growth.	CS_OFFL_SIR_GOPM_2_20201102T132238_20201102T132611_C001		
and Backscatter Quality, CCCG Allmeter Range and Backscatter Quality Flags have been set CS_OFFL_SIR_GOPM_2_20201102T150221_20201102T150528_C001 CS_OFFL_SIR_GOPM_2_20201102T150231_20201102T150528_C001 CS_OFFL_SIR_GOPM_2_20201102T150332_20201102T150901_C001 CS_OFFL_SIR_GOPM_2_20201102T150332_20201102T150901_C001 CS_OFFL_SIR_GOPM_2_20201102T150332_20201102T150901_C001 CS_OFFL_SIR_GOPM_2_20201102T151343_20201102T150901_C001 CS_OFFL_SIR_GOPM_2_20201102T151343_20201102T154635_C001 CS_OFFL_SIR_GOPM_2_20201102T151343_20201102T154635_C001 CS_OFFL_SIR_GOPM_2_20201102T16137_C001 CS_OFFL_SIR_GOPM_2_20201102T16137_20201102T161917_C001 CS_OFFL_SIR_GOPM_2_20201102T16137_20201102T161917_C001 CS_OFFL_SIR_GOPM_2_20201102T164021_20201102T164533_C001 CS_OFFL_SIR_GOPM_2_20201102T164021_20201102T164568_C001 CS_OFFL_SIR_GOPM_2_20201102T164021_20201102T164568_C001 CS_OFFL_SIR_GOPM_2_20201102T164021_20201102T164568_C001 CS_OFFL_SIR_GOPM_2_20201102T164031_20201102T173595_C001 CS_OFFL_SIR_GOPM_2_20201102T165331_20201102T173595_C001 CS_OFFL_SIR_GOPM_2_20201102T173849_20201102T173859_C001 CS_OFFL_SIR_GOPM_2_20201102T173849_20201102T173859_C001 CS_OFFL_SIR_GOPM_2_20201102T173849_20201102T173859_C001 CS_OFFL_SIR_GOPM_2_20201102T173849_20201102T173859_C001 CS_OFFL_SIR_GOPM_2_20201102T173849_20201102T173859_C001 CS_OFFL_SIR_GOPM_2_20201102T173849_20201102T173859_C001 CS_OFFL_SIR_GOPM_2_20201102T175830_20201102T173859_C001 CS_OFFL_SIR_GOPM_2_20201102T175830_20201102T173859_C001 CS_OFFL_SIR_GOPM_2_20201102T175830_20201102T181407_C001 CS_OFFL_SIR_GOPM_2_20201102T175830_20201102T181407_C001 CS_OFFL_SIR_GOPM_2_20201102T175830_20201102T182455_C001 CS_OFFL_SIR_GOPM_2_20201102T175830_20201102T182455_C001 CS_OFFL_SIR_GOPM_2_20201102T181447_C001 CS_OFFL_SIR_GOPM_2_20201102T181447_C001 CS_OFFL_SIR_GOPM_2_20201102T175830_20201102T182455_C001 CS_OFFL_SIR_GOPM_2_20201102T181447_C001 CS_OFFL_SIR_GOPM_2_20201102T181447_C001 CS_OFFL_SIR_GOPM_2_20201102T181447_C001 CS_OFFL_SIR_GOPM_2_20201102T181447_C001 CS_OFFL_SIR_GOPM_2_2	CS_OFFL_SIR_GOPM_2_20201102T133328_20201102T140037_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPM_2_20201102T150533_20201102T150901_C001 CS_OFFL_SIR_GOPM_2_20201102T151343_20201102T154635_C001 CS_OFFL_SIR_GOPM_2_20201102T16137_20201102T161917_C001 CS_OFFL_SIR_GOPM_2_20201102T161237_20201102T161917_C001 CS_OFFL_SIR_GOPM_2_20201102T161237_20201102T161917_C001 CS_OFFL_SIR_GOPM_2_20201102T161237_20201102T161558_C001 CS_OFFL_SIR_GOPM_2_20201102T161237_20201102T161558_C001 CS_OFFL_SIR_GOPM_2_20201102T163210_20201102T163538_C001 CS_OFFL_SIR_GOPM_2_20201102T163210_20201102T16359_C001 CS_OFFL_SIR_GOPM_2_20201102T164021_20201102T164559_C001 CS_OFFL_SIR_GOPM_2_20201102T165331_20201102T175551_C001 CS_OFFL_SIR_GOPM_2_20201102T165331_20201102T175551_C001 CS_OFFL_SIR_GOPM_2_20201102T175849_20201102T175551_C001 CS_OFFL_SIR_GOPM_2_20201102T175830_20201102T175859_C001 CS_OFFL_SIR_GOPM_2_20201102T175830_20201102T175859_C001 CS_OFFL_SIR_GOPM_2_20201102T175830_20201102T175859_C001 CS_OFFL_SIR_GOPM_2_20201102T175830_20201102T175859_C001 CS_OFFL_SIR_GOPM_2_20201102T175830_20201102T175859_C001 CS_OFFL_SIR_GOPM_2_20201102T175830_20201102T175859_C001 CS_OFFL_SIR_GOPM_2_20201102T175830_20201102T175850_C001 CS_OFFL_SIR_GOPM_2_20201102T175830_20201102T181407_C001 CS_OFFL_SIR_GOPM_2_20201102T175830_20201102T181407_C001 CS_OFFL_SIR_GOPM_2_20201102T175830_20201102T181407_C001 CS_OFFL_SIR_GOPM_2_20201102T175830_20201102T181407_C001 CS_OFFL_SIR_GOPM_2_20201102T175830_20201102T181407_C001 CS_OFFL_SIR_GOPM_2_20201102T175830_20201102T181407_C001 CS_OFFL_SIR_GOPM_2_20201102T175830_20201102T181407_C001 CS_OFFL_SIR_GOPM_2_20201102T175830_20201102T181407_C001 CS_OFFL_SIR_GOPM_2_20201102T181945_20201102T182455_C001 CCC_OFFL_SIR_GOPM_2_20201102T181945_20201102T182455_C001 CCC_OFFL_SIR_GOPM_2_20201102T181945_20201102T182455_C001 CCC_OFFL_SIR_GOPM_2_20201102T181945_20201102T182455_C001 CCC_OFFL_SIR_GOPM_2_20201102T181945_20201102T182455_C001 CCC_OFFL_SIR_GOPM_2_20201102T182455_C001 CCC_OFFL_SIR_GOPM_2_20201102T183151_20201102T182455_C001 CCC_OFFL_SIR_GOPM_2_20201102T183151_202011	CS_OFFL_SIR_GOPM_2_20201102T143305_20201102T145655_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPM_2_20201102T151343_20201102T154635_C001 CS_OFFL_SIR_GOPM_2_20201102T151343_20201102T154635_C001 CS_OFFL_SIR_GOPM_2_20201102T161237_20201102T161917_C001 CS_OFFL_SIR_GOPM_2_20201102T161237_20201102T161917_C001 CS_OFFL_SIR_GOPM_2_20201102T161237_20201102T161917_C001 CS_OFFL_SIR_GOPM_2_20201102T161237_20201102T163538_C001 CS_OFFL_SIR_GOPM_2_20201102T164021_20201102T163538_C001 CS_OFFL_SIR_GOPM_2_20201102T164021_20201102T164559_C001 CS_OFFL_SIR_GOPM_2_20201102T164021_20201102T164559_C001 CS_OFFL_SIR_GOPM_2_20201102T164021_20201102T173551_C001 CS_OFFL_SIR_GOPM_2_20201102T173849_20201102T173959_C001 CS_OFFL_SIR_GOPM_2_20201102T173849_20201102T173959_C001 CS_OFFL_SIR_GOPM_2_20201102T175830_20201102T184407_C001 CS_OFFL_SIR_GOPM_2_20201102T175830_20201102T182455_C001 CS_OFFL_SIR_GOPM_2_20201102T175830_20201102T182455_C001 CS_OFFL_SIR_GOPM_2_20201102T175830_20201102T182455_C001 CS_OFFL_SIR_GOPM_2_20201102T175830_20201102T182455_C001 CS_OFFL_SIR_GOPM_2_20201102T175830_20201102T182455_C001 CS_OFFL_SIR_GOPM_2_20201102T183151_20201102T182455_C001 CS_OFFL_SIR_GOPM_2_20201102T183151_20201102T182455_C001 CS_OFFL_SIR_GOPM_2_20201102T183151_20201102T182455_C001 CS_OFFL_SIR_GOPM_2_20201102T183151_20201102T1830642_C001 CS_OFFL_SIR_GOPM_2_20201102T183151_20201102T1830642_C001 CS_OFFL_SIR_GOPM_2_20201102T183151_20201102T1830642_C001 CCCOMA Natireter Range and Backscatter Quality one or more records. CCCOMA Natireter Range and Backscatter Quality one or more records. CCCOMA Natireter Range and Backscatter Quality one or more records. CCCOMA Natireter Range and Backscatter Quality one or more records. CCCOMA Natireter Range and Backscatter Quality one or more records. CCCOMA Natireter Range and Backscatter Quality one or more records. CCCOMA Natireter Range and Backscatter Quality one or more records. CCCOMA Natireter Range and Backscatter Quality one or more records. CCCOMA Natireter Range SNA, SWH and Backscatter Quality one or more records. CCCOMA Natireter Range S	CS_OFFL_SIR_GOPM_2_20201102T150021_20201102T150526_C001		, ,
S_OFFL_SIR_GOPM_2_20201102T161343_20201102T164635_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. Cs_OFFL_SIR_GOPM_2_20201102T161237_20201102T161917_C001 Cs_OFFL_SIR_GOPM_2_20201102T163210_20201102T163538_C001 Cs_OFFL_SIR_GOPM_2_20201102T163210_20201102T164559_C001 Cs_OFFL_SIR_GOPM_2_20201102T164021_20201102T164559_C001 Cs_OFFL_SIR_GOPM_2_20201102T165331_20201102T173859_C001 Cs_OFFL_SIR_GOPM_2_20201102T173849_20201102T173859_C001 Cs_OFFL_SIR_GOPM_2_20201102T173849_20201102T173859_C001 Cs_OFFL_SIR_GOPM_2_20201102T175830_20201102T181407_C001 Cs_OFFL_SIR_GOPM_2_20201102T175830_20201102T181407_C001 Cs_OFFL_SIR_GOPM_2_20201102T175830_20201102T181407_C001 Cs_OFFL_SIR_GOPM_2_20201102T175830_20201102T181407_C001 Cs_OFFL_SIR_GOPM_2_20201102T175830_20201102T181407_C001 Cs_OFFL_SIR_GOPM_2_20201102T175830_20201102T182455_C001 Cs_OFFL_SIR_GOPM_2_20201102T175830_20201102T181407_C001 Cs_OFFL_SIR_GOPM_2_20201102T175830_20201102T181407_C001 Cs_OFFL_SIR_GOPM_2_20201102T175830_20201102T181407_C001 Cs_OFFL_SIR_GOPM_2_20201102T175830_20201102T181407_C001 Cs_OFFL_SIR_GOPM_2_20201102T175830_20201102T181407_C001 Cs_OFFL_SIR_GOPM_2_20201102T175830_20201102T181407_C001 Cs_OFFL_SIR_GOPM_2_20201102T175830_20201102T181407_C001 Cs_OFFL_SIR_GOPM_2_20201102T175830_20201102T181407_C001 Cc_oman Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Cc_oman Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Cc_oman Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Cc_oman Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Cc_oman Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Cc_oman Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Cc_oman Altimeter Range, SSHA, SWH and Backscat	CS_OFFL_SIR_GOPM_2_20201102T150533_20201102T150901_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_20201102T164021_20201102T164559_C001 CS_OFFL_SIR_GOPM_2_20201102T165331_20201102T172551_C001 CS_OFFL_SIR_GOPM_2_20201102T165331_20201102T172551_C001 CS_OFFL_SIR_GOPM_2_20201102T165331_20201102T173599_C001 CS_OFFL_SIR_GOPM_2_20201102T173849_20201102T173959_C001 CS_OFFL_SIR_GOPM_2_20201102T173849_20201102T173959_C001 CS_OFFL_SIR_GOPM_2_20201102T173849_20201102T181407_C001 CS_OFFL_SIR_GOPM_2_20201102T17880_20201102T181407_C001 CS_OFFL_SIR_GOPM_2_20201102T17880_20201102T182455_C001 CS_OFFL_SIR_GOPM_2_20201102T181945_20201102T182455_C001 CCG_Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCG_OFFL_SIR_GOPM_2_20201102T181945_20201102T182455_C001 CCG_Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCG_OFFL_SIR_GOPM_2_20201102T181945_20201102T182455_C001 CCG_Altimeter Range Quality, OCOG Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCG_OFFL_SIR_GOPM_2_20201102T181945_20201102T182455_C001 CCG_Altimeter Range Quality, OCOG Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCG_OFFL_SIR_GOPM_2_20201102T181945_20201102T182455_C001 CCG_Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCG_OFFL_SIR_GOPM_2_20201102T181945_20201102T182455_C001 CCG_Altimeter Range and Ba	CS_OFFL_SIR_GOPM_2_20201102T151343_20201102T154635_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_20201102T164021_20201102T164559_C001 CS_OFFL_SIR_GOPM_2_20201102T165331_20201102T172551_C001 CS_OFFL_SIR_GOPM_2_20201102T165331_20201102T172551_C001 CS_OFFL_SIR_GOPM_2_20201102T173849_20201102T173959_C001 CS_OFFL_SIR_GOPM_2_20201102T173849_20201102T173959_C001 CS_OFFL_SIR_GOPM_2_20201102T173849_20201102T173959_C001 CS_OFFL_SIR_GOPM_2_20201102T173849_20201102T181407_C001 CS_OFFL_SIR_GOPM_2_20201102T173830_20201102T181407_C001 CS_OFFL_SIR_GOPM_2_20201102T173830_20201102T181407_C001 CS_OFFL_SIR_GOPM_2_20201102T173830_20201102T181407_C001 CS_OFFL_SIR_GOPM_2_20201102T173830_20201102T182455_C001 CS_OFFL_SIR_GOPM_2_20201102T181945_20201102T182455_C001 CS_OFFL_SIR_GOPM_2_20201102T181945_20201102T180482_C001 CS_OFFL_SIR_GOPM_2_20201102T183151_20201102T180482_C001 CS_OFFL_SIR_GOPM_2_20201102T180482_C001 CS_OFFL_	CS_OFFL_SIR_GOPM_2_20201102T161237_20201102T161917_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPM_2_20201102T165331_20201102T172551_C001 Backscatter Quality CS_OFFL_SIR_GOPM_2_20201102T173849_20201102T173959_C001 CS_OFFL_SIR_GOPM_2_20201102T173849_20201102T173959_C001 CS_OFFL_SIR_GOPM_2_20201102T175830_20201102T181407_C001 CS_OFFL_SIR_GOPM_2_20201102T175830_20201102T1814407_C001 CS_OFFL_SIR_GOPM_2_20201102T181945_20201102T182455_C001 Backscatter Quality CS_OFFL_SIR_GOPM_2_20201102T181945_20201102T182455_C001 Backscatter Quality Cocan Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPM_2_20201102T163210_20201102T163538_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20201102T165331_20201102T172551_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20201102T173849_20201102T173959_C001 CS_OFFL_SIR_GOPM_2_20201102T173849_20201102T181407_C001 CS_OFFL_SIR_GOPM_2_20201102T175830_20201102T181407_C001 CS_OFFL_SIR_GOPM_2_20201102T181945_20201102T182455_C001 CS_OFFL_SIR_GOPM_2_20201102T181945_20201102T182455_C001 CS_OFFL_SIR_GOPM_2_20201102T181945_20201102T180642_C001 and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Backs	CS_OFFL_SIR_GOPM_2_20201102T164021_20201102T164559_C001		, ,
CS_OFFL_SIR_GOPM_2_20201102T173849_20201102T173959_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20201102T181945_20201102T182455_C001 CS_OFFL_SIR_GOPM_2_20201102T183151_20201102T190642_C001 CS_OFFL_SIR_GOPM_2_20201102T183151_20201102T190642_C001 and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPM_2_20201102T165331_20201102T172551_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20201102T175830_20201102T181407_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range Quality, OCOG Backscatter Quality CS_OFFL_SIR_GOPM_2_20201102T181945_20201102T182455_C001 CS_OFFL_SIR_GOPM_2_20201102T181945_20201102T182455_C001 CS_OFFL_SIR_GOPM_2_20201102T183151_20201102T190642_C001 And Backscatter Quality, 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_20201102T183151_20201102T190642_C001 The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPM_2_20201102T173849_20201102T173959_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20201102T181945_20201102T182455_C001 Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPM_2_20201102T175830_20201102T181407_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20201102T183151_20201102T190642_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPM_2_20201102T181945_20201102T182455_C001	9	, ,
	CS_OFFL_SIR_GOPM_2_20201102T183151_20201102T190642_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_GOPM_2_20201102T192931_20201102T193353_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality set for one or more records. Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality set for one or more records.	•
Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Qu	
CS_OFFL_SIR_GOPM_2_20201102T193447_20201102T195224_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality set for one or more records.	
CS_OFFL_SIR_GOPM_2_20201102T200153_20201102T200359_C001 OCOG Altimeter Range Quality, OCOG for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have for one or more records.	ve been set
CS_OFFL_SIR_GOPM_2_20201102T201134_20201102T202657_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags set for one or more records.	
CS_OFFL_SIR_GOPM_2_20201102T202700_20201102T203231_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags Set for one or more records.	
CS_OFFL_SIR_GOPM_2_20201102T203300_20201102T204544_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags Altimeter Range and Backscatter Quality Set for one or more records.	
CS_OFFL_SIR_GOPM_2_20201102T204716_20201102T204742_C001 OCOG Altimeter Range Quality, OCOG For one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have for one or more records.	ve been set
CS_OFFL_SIR_GOPM_2_20201102T205952_20201102T211807_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records.	
CS_OFFL_SIR_GOPM_2_20201102T211914_20201102T213254_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags Set for one or more records.	•
CS_OFFL_SIR_GOPM_2_20201102T214110_20201102T214309_C001 OCOG Altimeter Range Quality, OCOG for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have for one or more records.	ve been set
CS_OFFL_SIR_GOPM_2_20201102T214423_20201102T214811_C001 OCOG Altimeter Range Quality, OCOG for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have for one or more records.	ve been set
CS_OFFL_SIR_GOPM_2_20201102T215021_20201102T220532_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records.	
CS_OFFL_SIR_GOPM_2_20201102T220733_20201102T221656_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records.	, ,
CS_OFFL_SIR_GOPM_2_20201102T22228_20201102T222234_C001 OCOG Altimeter Range Quality, OCOG For one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have for one or more records.	ve been set
CS_OFFL_SIR_GOPM_2_20201102T222241_20201102T222720_C001 OCOG Altimeter Range Quality, OCOG For one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have for one or more records.	ve been set
CS_OFFL_SIR_GOPM_2_20201102T223823_20201102T225615_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records.	•
CS_OFFL_SIR_GOPM_2_20201102T230919_20201102T231018_C001 OCOG Altimeter Range Quality, OCOG for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have for one or more records.	ve been set
CS_OFFL_SIR_GOPM_2_20201102T231213_20201102T231337_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags Set for one or more records.	
CS_OFFL_SIR_GOPM_2_20201102T231430_20201102T231438_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags Set for one or more records.	•
CS_OFFL_SIR_GOPM_2_20201102T231922_20201102T232714_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have been provided by the control of the ocog Altimeter Range and Backscatter Quality Flags have been provided by the ocog Altimeter Range and Backscatter Quality Flags have been provided by the ocog Altimeter Range and Backscatter Quality Flags have been provided by the ocog Altimeter Range and Backscatter Quality Flags have been provided by the ocog Altimeter Range and Backscatter Quality Flags have been provided by the ocog Altimeter Range and Backscatter Quality Flags have been provided by the ocog Altimeter Range and Backscatter Quality Flags have been provided by the ocog Altimeter Range and Backscatter Quality Flags have been provided by the ocog Altimeter Range and Backscatter Quality Flags have been provided by the ocog Altimeter Range and Backscatter Quality Flags have been provided by the ocog Altimeter Range and Backscatter Quality Flags have been provided by the ocog Altimeter Range and Backscatter Quality Flags have been provided by the ocog Altimeter Range and Backscatter Quality Flags have been provided by the ocog Altimeter Range and Backscatter Quality Flags have been provided by the ocog Altimeter Range and Backscatter Quality Flags have been provided by the ocog Altimeter Range and Backscatter Quality Flags have been provided by the ocog Altimeter Range and Backscatter Quality Flags have been provided by the ocog Altimeter Range and Backscatter Quality Flags have been provided by the ocog Altimeter Range and Backscatter Quality Flags have been provided by the ocog Altimeter Range and Backscatter Quality Flags have been provided by the ocog Altimeter Range and Backscatter Quality Flags have been provided by the ocog Altimeter Range and Backscatter Quality Flags have been provided by the ocog Altimeter Range and Backscatter Quality Flags have been provided by the ocog Altimeter Range and Backscatter Provided by the ocog Altimeter Range and Backscatter Provided by the ocog Altim	ve been set
CS_OFFL_SIR_GOPM_2_20201102T233014_20201102T234438_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags Set for one or more records.	•
CS_OFFL_SIR_GOPM_2_20201102T235254_20201102T235400_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have for one or more records.	ve been set
CS_OFFL_SIR_GOPM_2_20201102T235753_20201102T235908_C001 OCOG Altimeter Range Quality, OCOG For one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have for one or more records.	ve been set
CS_OFFL_SIR_GOPN_2_20201102T001751_20201102T001952_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records.	, ,
CS_OFFL_SIR_GOPN_2_20201102T100945_20201102T101202_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Altimeter Range and Backscatter Quality Set for one or more records.	•

CS_OFFL_SIR_GOPN_2_20201102T125055_20201102T125429_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_20201102T155744_20201102T155808_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_20201102T005029_20201102T005100_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_20201102T010953_20201102T011038_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_20201102T041635_20201102T041740_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_20201102T041806_20201102T042600_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_20201102T074504_20201102T074507_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (20Hz PLRM)

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

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

Number of products with errors:

97

Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20201102T000729_20201102T000913_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_20201102T004433_20201102T004750_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_20201102T010353_20201102T010842_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_20201102T011038_20201102T011106_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_20201102T014704_20201102T014828_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_20201102T015017_20201102T015115_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_20201102T015550_20201102T015809_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_20201102T022827_20201102T022933_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_20201102T032637_20201102T032758_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_20201102T050628_20201102T050941_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_20201102T051459_20201102T051612_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_20201102T053720_20201102T053904_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_20201102T055104_20201102T055232_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_20201102T064416_20201102T064826_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_20201102T071710_20201102T071724_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_20201102T073342_20201102T073737_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_20201102T082150_20201102T082328_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_20201102T091012_20201102T091150_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_20201102T091539_20201102T091634_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_20201102T100056_20201102T100238_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_20201102T104940_20201102T105240_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_20201102T105337_20201102T105550_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_20201102T114001_20201102T114153_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_20201102T114840_20201102T115324_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_20201102T123019_20201102T123414_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_20201102T125055_20201102T125429_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_20201102T125458_20201102T125510_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_20201102T132006_20201102T132238_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_20201102T132957_20201102T133147_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_20201102T143109_20201102T143142_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_20201102T161917_20201102T162112_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_20201102T162211_20201102T162251_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_20201102T163908_20201102T164021_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_20201102T172730_20201102T172800_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_20201102T173959_20201102T174106_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_20201102T174558_20201102T174638_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_20201102T181821_20201102T181945_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_20201102T182455_20201102T182804_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_20201102T193353_20201102T193447_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_20201102T195906_20201102T200153_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_20201102T200359_20201102T200926_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_20201102T204850_20201102T204923_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 and Backscatter Quality PLRM, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags
CS_OFFL_SIR_GOPN_2_20201102T205453_20201102T205919_C001	Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20201102T213834_20201102T214110_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_20201102T221656_20201102T222000_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_20201102T223354_20201102T223505_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_20201102T223624_20201102T223823_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_20201102T225615_20201102T230218_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_20201102T231551_20201102T231922_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_20201102T232714_20201102T232901_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_20201102T235400_20201102T235753_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_20201102T000541_20201102T000729_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_20201102T004354_20201102T004433_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20201102T005622_20201102T005708_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_20201102T005709_20201102T010353_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_20201102T014428_20201102T014704_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_20201102T015809_20201102T020036_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_20201102T023450_20201102T023603_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_20201102T032223_20201102T032637_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_20201102T040708_20201102T040906_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_20201102T041224_20201102T041410_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_20201102T041806_20201102T042600_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_20201102T050223_20201102T050628_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_20201102T051612_20201102T052139_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_20201102T055629_20201102T060541_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_20201102T065524_20201102T065925_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_20201102T073852_20201102T074500_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_20201102T083336_20201102T083944_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_20201102T101202_20201102T101708_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, 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
	PLRM OCOG Altimeter Range Quality PLRM,	set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or
CS_OFFL_SIR_GOPR_2_20201102T103129_20201102T103341_C001	OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH	more records.
CS_OFFL_SIR_GOPR_2_20201102T105550_20201102T105652_C001	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_20201102T105653_20201102T110239_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_20201102T113848_20201102T114001_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_20201102T122802_20201102T122941_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_20201102T123414_20201102T123933_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_20201102T141232_20201102T142227_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_20201102T151035_20201102T151343_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_20201102T155006_20201102T155744_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_20201102T160126_20201102T160242_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_20201102T163538_20201102T163908_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_20201102T164917_20201102T165331_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_20201102T172800_20201102T173550_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_20201102T174108_20201102T174445_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_20201102T174650_20201102T174739_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_20201102T181407_20201102T181821_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_20201102T182804_20201102T183151_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_20201102T190739_20201102T191450_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_20201102T191450_20201102T191731_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_20201102T191917_20201102T192931_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_20201102T195224_20201102T195906_C001	Ocean Altimeter Range, SSHA, SVVH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPR_2_20201102T200926_20201102T201134_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_20201102T204742_20201102T204830_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_20201102T204923_20201102T205344_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_20201102T213254_20201102T213834_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_20201102T222720_20201102T222957_C001	TAITIMETER RANGE AND BACKSCATTER CHAITIVE	The Ocean Altimeter Range, SSHA, SWH 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_20201102T222957_20201102T223354_C001	TAITIMETER Range and Backscatter Chality	The Ocean Altimeter Range, SSHA, SWH 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_20201102T234502_20201102T234751_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG 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: 187

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: 149

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

6.1 P2P Product Format Check

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

Number of products with errors:

6.2 P2P Product Header Analysis

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

Number of products with errors: 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).

0

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.

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220201101T232251_20201102T001228_C002	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_GOP_220201102T001228_20201102T010206_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_220201102T010206_20201102T015143_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_220201102T015143_20201102T024120_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_220201102T024120_20201102T033057_C001	Topography (1), Total Geocentric Ocean	Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height
CS_OFFL_SIR_GOP_220201102T033057_20201102T042035_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_220201102T042035_20201102T051012_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_220201102T051012_20201102T055950_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_220201102T055950_20201102T064927_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_220201102T024120_20201102T033057_C001 CS_OFFL_SIR_GOP_220201102T033057_20201102T042035_C001 CS_OFFL_SIR_GOP_220201102T042035_20201102T051012_C001 CS_OFFL_SIR_GOP_220201102T051012_20201102T055950_C001	Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FFS) Mon-Fauilibrium Long Period Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) Mean Sea Surface (1), Mean Dynamic	Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records 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 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 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_220201102T064927_20201102T073904_C001	Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period	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_220201102T073904_20201102T082841_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_220201102T082841_20201102T091819_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_220201102T091819_20201102T100756_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_220201102T100756_20201102T105734_C001	Iviean Sea Surrace (т), Iviean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) Non-Equilibrium Long Period	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_220201102T105734_20201102T114711_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_220201102T114711_20201102T123648_C001	Iviean Sea Surrace (1), Iviean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) Non-Equilibrium Long Period	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_220201102T123648_20201102T132625_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_220201102T132625_20201102T141603_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_220201102T141603_20201102T150540_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_220201102T150540_20201102T155518_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_220201102T155518_20201102T164455_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_220201102T164455_20201102T173433_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_220201102T173433_20201102T182409_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_220201102T182409_20201102T191347_C001	Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) Non-Equilibrium Long Period	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_220201102T191347_20201102T200324_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_220201102T200324_20201102T205302_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_220201102T205302_20201102T214239_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_220201102T214239_20201102T223216_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_220201102T223216_20201102T232153_C001	Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) Non-Equilibrium Long Period	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_220201102T232153_20201103T001131_C002	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height 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_220201102T223216_20201102T232153_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

6.6 P2P Measurement Quality Flag Check

P2P Quality Flags (20Hz)

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

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

Number of products with errors: 30

P2P Quality Flags (20Hz PLRM)

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

Number of products with errors: 29

P2P Quality Flags (1 Hz & 1Hz PLRM)

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

Number of products with errors: 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.

26

P2P Retracking Flags PLRM

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

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

Number of products with errors:

30

7. GOP QCC Report Analysis

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

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_GOPM1B	170	170	5	165	0
SIR_GOPR1B	119	119	0	119	0
SIR_GOPN1B	106	106	4	102	0
SIR_GOPM_2	170	170	119	51	0
SIR_GOPR_2	119	119	42	75	2
SIR_GOPN_2	106	106	46	60	0
SIR_GOP_P2P	29	29	0	27	2

7.1 QCC Errors

Number of QCC reports with errors:

1

Total number of occurrences of each error

					i Otal Hullibel	or occurrences	of each endi				
Product Type	RLOBOPNCDF	RL	RL	RLOBOPNCDF	RL	RL	-	-	-	-	•
SIR_GOPR_2	2	1	2	2	1	2					
Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	•
SIR GOP 2	2	2	2	2							

Test Description Key:					
Abbreviation	Test name	Details			
RLOBOPNCDF	RangeLatitudeOrBlankOP_7NetCDF	Latitude should be between -90E7 and 90E7			
RL	RangeLatitude_6	Latitude should be between -90E6 and 90E6			
RL	RangeLatitude_7	Latitude should be between -90E7 and 90E7			
RLOBOPNCDF	RangeLongitudeOrBlankOP_7NetCDF	Longitude should be between -180E7 and 180E7			
RL	RangeLongitude_6	Longitude should be between -180E6 and 180E6			
RL	RangeLongitude_7	Longitude should be between -180E7 and 180E7			

7.2 QCC Warnings

SIR_GOP_2_

Number of QCC reports with warnings

2225

18

Total number of occurrences of each warning

Pi	roduct Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD
SI	IR_GOPM1B	165	0	0	0	0	0	0
SI	IR_GOPM_2	0	0	36	34	2	40	0
SI	IR_GOPN1B	101	0	0	0	0	0	0
S	IR_GOPN_2	0	0	10	31	8	26	29
SI	IR_GOPR1B	118	0	0	0	0	0	0
S	IR_GOPR_2	0	2	41	51	1	35	32

Product Type	RBSZOPOEPNCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNCE	RPEPOPFDPLRMSINNCDI	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF	RPEPOPLRMNCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	34	27	0	0	0	0	22
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	20	0	0	21	0	29	0
SIR_GOPR1B	0	0	0	0	0	0	0
SIR_GOPR_2	22	0	48	0	57	0	0

Product Type	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF	RSWHOEPFDNCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	0	0	9	27	0	6	34
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	0	25	21	41	49	26	27
SIR_GOPR1B	0	0	0	0	0	0	0
SIR_GOPR_2	50	0	2	68	50	13	41

Product Type	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHRTASCNSNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF	-
SIR_GOPM1B	0	0	1	0	0	3	
SIR_GOPM_2	0	5	1	0	0	0	
SIR_GOPN1B	0	0	0	0	43	2	
SIR_GOPN_2	28	14	0	0	0	0	
SIR_GOPR1B	0	0	0	0	119	4	
SIR_GOPR_2	53	4	1	4	0	0	

Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD	RBSZOPOEPNCDF
SIR_GOP_2_	18	29	29	7	29	16	29

Product Type	RPEPOPFDPLRMSINNCD	RPEPOPFDSINNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
SIR_GOP_2_	16	29	21	23	29	18	26
Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHLPQWNCDF	-	-	-

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Test Description Key:		
Abbreviation	Test name	Details
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter
IOHHMOOR	IndexOf1Hzin20HzMappingOutOfRange	The mapping of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1)
MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RBSZOPOEPFDPLRM NCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees

RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDPLRMSAR NCDF	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
	RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDSARNCDF	RangePeakinessExcludingPolarOPFD2SARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDSINNCDF	RangePeakinessExcludingPolarOPFD2SINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPLRMNCDF	RangePeakinessExcludingPolarOPLRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPSARNCDF	RangePeakinessExcludingPolarOPSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPSINNCDF	RangePeakinessExcludingPolarOPSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSSBCONCDF	RangeSeaStateBiasCorrectionOceanNetCDF	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean
RSSHAOFDNCDF	RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSSHAOFDPLRMNCD	RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSSHAONCDF	RangeSeaSurfaceHeightAnomalyOceanNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSWHOEPFDNCDF	RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSWHOEPFDPLRMNC	RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSWHOEPNCDF	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node_Start_v2_NetCDF	Rel_Time_ASC_Node_Start mismatch (DBL ASC, rounded up to 0.1)
SOOHHIFHD	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample
SCSTODHRNCDF	SequenceCounterStepTODHRNetCDF	The sequence counter should be modulo 4 higher with regard to the previous sequence counter
SCSTODNCDF	SequenceCounterStepTODNetCDF	The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter

7.3 Missing QCC Reports

Number of products with missing QCC reports:

Product name
No GOPX reports missing

Product name

CS_OFFL_SIR_GOP_2__20201102T232153_20201103T001131_C002