







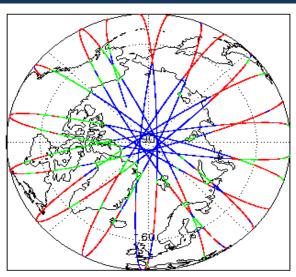
1. Overview

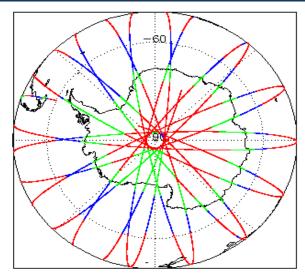
Report Production:	22-Nov-2019
Processor Used:	CryoSat Ocean Processor
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data

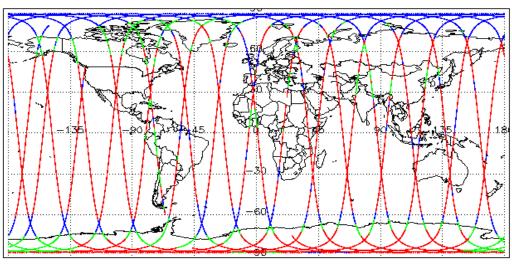
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary 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

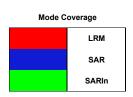
Mission / Instrument News		
22-Oct-2019	None	
23-Oct-2019	None	
24-Oct-2019	Nothing planned	

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

4. GOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

4.2 L1B Product Header Analysis

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

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

Number of products with errors:

4.3 L1B Auxilary Data File Usage Check

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

Number of products with errors:

0

4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

0

4.5 L1B Measurement Confidence Data Check

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

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

Number of products with errors:

- 1

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20191023T225426_20191023T225525_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

15

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20191023T000613_20191023T003902_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20191023T040717_20191023T040909_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20191023T045049_20191023T045259_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20191023T062634_20191023T063146_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20191023T163050_20191023T163210_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20191023T171122_20191023T171700_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20191023T185307_20191023T185444_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20191023T194935_20191023T195421_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20191023T021748_20191023T021952_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20191023T023124_20191023T023535_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20191023T103311_20191023T103547_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20191023T104631_20191023T105050_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20191023T144609_20191023T145052_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20191023T162409_20191023T162932_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20191023T230341_20191023T231131_C001	Loss of Echo	The tracking echo is missing for one or more records

5. GOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

0

5.2 L2 Product Header Analysis

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

Number of products with errors:

0

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

(

5.4 L2 Auxiliary Correction Error Check

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

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

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

Number of products with errors:

60

Product	Test Failed	Description The Management of
CS_OFFL_SIR_GOPM_2_20191023T034146_20191023T035703_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_GOPM_2_20191023T081902_20191023T082004_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_GOPM_2_20191023T194054_20191023T194148_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_GOPM_2_20191023T222531_20191023T224957_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_20191023T004241_20191023T004601_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_20191023T005114_20191023T005237_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_20191023T013322_20191023T013442_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_20191023T023015_20191023T023123_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_20191023T031242_20191023T031352_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_20191023T040717_20191023T040909_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_20191023T045049_20191023T045259_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_20191023T045259_20191023T045306_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_20191023T062634_20191023T063146_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_20191023T071623_20191023T071914_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_20191023T072535_20191023T072837_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_20191023T080625_20191023T080909_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20191023T080910_20191023T081008_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_20191023T121523_20191023T121648_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_20191023T122206_20191023T122512_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_20191023T135507_20191023T135805_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_20191023T140106_20191023T140444_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_20191023T145638_20191023T145723_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_20191023T153544_20191023T153818_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_20191023T154457_20191023T154637_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_20191023T163050_20191023T163210_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_20191023T171122_20191023T171700_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_20191023T180525_20191023T180611_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_20191023T181022_20191023T181232_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_20191023T185307_20191023T185444_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_20191023T190332_20191023T190539_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_20191023T194935_20191023T195421_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_20191023T204123_20191023T204347_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_20191023T221219_20191023T221611_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20191023T225758_20191023T225914_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_20191023T230244_20191023T230340_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_20191023T235204_20191023T235517_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_20191022T235405_20191023T000204_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_20191023T013443_20191023T014221_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_20191023T031352_20191023T032107_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_20191023T042835_20191023T043048_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_20191023T045306_20191023T050010_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_20191023T063146_20191023T063858_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_20191023T081008_20191023T081902_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_20191023T094700_20191023T095438_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_20191023T112631_20191023T113257_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_20191023T113257_20191023T113456_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_20191023T130449_20191023T131156_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_20191023T131156_20191023T131337_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_20191023T144609_20191023T145052_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_20191023T145052_20191023T145215_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_20191023T162409_20191023T162932_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_20191023T162932_20191023T163050_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_20191023T180612_20191023T180653_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20191023T180653_20191023T181022_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_20191023T194149_20191023T194218_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_20191023T194218_20191023T194934_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_20191023T212429_20191023T213004_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_20191023T225249_20191023T225426_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_20191023T225748_20191023T225758_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_20191023T230341_20191023T231131_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

5.5 L2 Measurement Confidence Data Check

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

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20191023T225426_20191023T225525_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_20191023T000613_20191023T003902_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_20191023T004602_20191023T005113_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_20191023T005642_20191023T011254_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_20191023T013052_20191023T013153_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_20191023T014221_20191023T020521_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_20191023T020632_20191023T021747_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_20191023T022226_20191023T022600_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_20191023T022617_20191023T023015_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_20191023T023536_20191023T030114_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_20191023T030131_20191023T030903_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_20191023T031002_20191023T031242_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_20191023T032340_20191023T033537_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_20191023T034019_20191023T034144_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_20191023T034146_20191023T035703_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_20191023T035941_20191023T040459_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_20191023T041543_20191023T042834_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_20191023T043048_20191023T044938_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_20191023T051011_20191023T052038_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_20191023T052218_20191023T053552_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_20191023T053906_20191023T054410_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_20191023T054434_20191023T054548_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_20191023T055241_20191023T055338_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_20191023T061215_20191023T061425_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_20191023T061549_20191023T062259_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_20191023T062422_20191023T062633_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_20191023T065319_20191023T065650_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_20191023T065826_20191023T071445_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_20191023T071914_20191023T072326_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_20191023T073056_20191023T080420_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_20191023T083016_20191023T085350_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_20191023T085716_20191023T090240_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_20191023T090246_20191023T090611_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_20191023T090959_20191023T094143_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_20191023T095600_20191023T095620_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_20191023T100511_20191023T102735_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_20191023T102901_20191023T103310_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_20191023T103712_20191023T104518_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_20191023T105051_20191023T112240_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_20191023T113457_20191023T113655_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_20191023T114739_20191023T114906_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_20191023T120609_20191023T121111_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_20191023T121649_20191023T122206_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_20191023T122924_20191023T125015_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_20191023T125301_20191023T130446_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_20191023T131355_20191023T131836_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_20191023T132357_20191023T132519_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_20191023T133428_20191023T133910_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_20191023T134058_20191023T135043_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_20191023T135806_20191023T140106_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_20191023T140821_20191023T143420_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

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CS_OFFL_SIR_GOPM_2_20191023T143559_20191023T144249_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_20191023T145553_20191023T145638_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_20191023T145723_20191023T150418_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_20191023T150433_20191023T152844_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_20191023T154244_20191023T154457_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_20191023T154740_20191023T155205_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_20191023T155258_20191023T160335_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_20191023T160338_20191023T160433_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_20191023T160456_20191023T161415_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_20191023T163210_20191023T163616_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_20191023T163734_20191023T165207_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_20191023T165938_20191023T171052_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_20191023T171955_20191023T172419_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_20191023T172720_20191023T174101_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_20191023T174241_20191023T174336_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_20191023T174339_20191023T174939_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191023T174949_20191023T175305_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_20191023T175308_20191023T175731_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_20191023T182255_20191023T182643_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_20191023T182807_20191023T183346_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_20191023T183439_20191023T185049_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_20191023T185445_20191023T190332_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_20191023T190703_20191023T192802_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_20191023T193542_20191023T193912_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_20191023T200736_20191023T203018_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_20191023T203657_20191023T204123_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_20191023T204623_20191023T211159_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_20191023T212121_20191023T212151_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_20191023T212207_20191023T212343_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_20191023T213840_20191023T214117_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_20191023T214243_20191023T220801_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_20191023T221611_20191023T222201_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_20191023T222531_20191023T224957_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_20191023T230105_20191023T230243_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_20191023T231433_20191023T234741_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_20191023T235517_20191024T000032_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_20191023T000502_20191023T000612_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20191023T055834_20191023T060142_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_20191023T082604_20191023T083015_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_20191023T114508_20191023T114707_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_20191023T033538_20191023T034019_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_20191023T065651_20191023T065826_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	
CS_OFFL_SIR_GOPR_2_20191023T085351_20191023T085602_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (20Hz PLRM)

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

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

Number of products with errors:

96

Product	Test Failed	Description
		The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20191023T004241_20191023T004601_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
		The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20191023T013322_20191023T013442_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
		The OCOG Range and Backscatter Quality Flags have been set for one or more records.
	,	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
		The OCOG Range and Backscatter Quality Flags have been set for one or more records.
		The OCOG Range and Backscatter Quality Flags have been set for one or more records.
		The OCOG Range and Backscatter Quality Flags have been set for one or more records.

19.00 All part August	CS_OFFL_SIR_GOPN_2_20191023T060430_20191023T061001_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CG_OPPL_SIR_DOPN_2_3019023108289_2919122108210_C001 CG_OPPL_SIR_DOPN_2_3019023108290_2919122108210_C001 CG_OPPL_SIR_DOPN_2_3019023108290_2919122108210_C001 CG_OPPL_SIR_DOPN_2_3019023108290_2919122108210_C001 CG_OPPL_SIR_DOPN_2_3019023108290_2919122108210_C001 CG_OPPL_SIR_DOPN_2_3019023108290_2919122108210_C001 CG_OPPL_SIR_DOPN_2_3019023108290_2919122108210_C001 CG_OPPL_SIR_DOPN_2_3019023108290_2919122108210_C001 CG_OPPL_SIR_DOPN_2_3019023113801_2919122110900_C001 CG_OPPL_SIR_DOPN_2_3019023113801_29191221111000_C001 CG_OPPL_SIR_DOPN_2_3019023113801_2919122111000_C001 CG_OPPL_SIR_DOPN_2_3019023113801_2919122111000_C001 CG_OPPL_SIR_DOPN_2_3019023113801_2919122111000_C001 CG_OPPL_SIR_DOPN_2_3019023113801_2919122111000_C001 CG_OPPL_SIR_DOPN_2_3019023113801_2919122111000_C001 CG_OPPL_SIR_DOPN_2_3019023113801_2919122111000_C001 CG_OPPL_SIR_DOPN_2_3019023113801_2919122111000_C001 CG_OPPL_SIR_DOPN_2_3019023113801_2919122110000_C001 CG_OPPL_SIR_DOPN_2_3019023113801_2919122110000_C001 CG_OPPL_SIR_DOPN_2_3019023113801_2919122110000_C001 CG_OPPL_SIR_DOPN_2_3019023113801_2919122110000_C001 CG_OPPL_SIR_DOPN_2_3019023113801_2919122110000_C001 CG_OPPL_SIR_DOPN_2_3019023113801_2919122110000_C001 CG_OPPL_SIR_DOPN_2_30190231140000_C001 CG_OPPL_SIR_DOPN_2_30190231140000_C001 CG_OPPL_SIR_DOPN_2_30190231140000_C001 CG_OPPL_SIR_DOPN_2_30190231140000000000000000000000000000000000	CS_OFFL_SIR_GOPN_2_20191023T062634_20191023T063146_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
COD Attender Range Quality PLEAS. The CODO Range and Backsorder Quality Flags have been set for one or control. COD Attender Range Quality PLEAS. The CODO Range and Backsorder Quality Flags have been set for one or control. COD Attender Range Quality PLEAS. The CODO Range and Backsorder Quality Flags have been set for one or control. COD Attender Range Quality PLEAS. The CODO Range and Backsorder Quality Flags have been set for one or control. COD Attender Range Quality PLEAS. The CODO Range and Backsorder Quality Flags have been set for one or control. COD Attender Range Quality PLEAS. The CODO Range and Backsorder Quality Flags have been set for one or control. COD Attender Range Quality PLEAS. The CODO Range and Backsorder Quality Flags have been set for one or control. COD Attender Range Quality PLEAS. The CODO Range and Backsorder Quality Flags have been set for one or control. COD Attender Range Quality PLEAS. The CODO Range and Backsorder Quality Flags have been set for one or control. COD Attender Range Quality PLEAS. The CODO Range and Backsorder Quality Flags have been set for one or control. COD Attender Range Quality PLEAS. The CODO Range and Backsorder Quality Flags have been set for one or control. COD Attender Range Quality PLEAS. The CODO Range and Backsorder Quality Flags have been set for one or control. COD Attender Range Quality PLEAS. The CODO Range and Backsorder Quality Flags have been set for one or control. COD Attender Range Quality PLEAS. The CODO Range and Backsorder Quality Flags have been set for one or control. COD Attender Range Quality PLEAS. The CODO Range and Backsorder Quality Flags have been set for one or control. COD Attender Range Quality PLEAS. The CODO Range and Backsorder Quality Flags have been set for one or control. COD Attender Range Quality PLEAS. The CODO Range and Backsorder Quality Flags have been set for one or control. COD Attender Range Quality PLEAS. The CODO Range and Backsorder Quality Flags have been set for one or control. COD Attender	CS_OFFL_SIR_GOPN_2_20191023T064806_20191023T065111_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPFL_2_201910237196091_201910237196072 0011 CS_OFFL_SIR_GOPFL_2_20191023736091_201910237196072 0011 CS_OFFL_SIR_GOPFL_2_20191023736091_201910237196072 0011 CS_OFFL_SIR_GOPFL_2_20191023736091_201910237196072 0011 CS_OFFL_SIR_GOPFL_2_20191023716084_20191023719674_0011 CS_OFFL_SIR_GOPFL_2_20191023716084_20191023719674_0011 CS_OFFL_SIR_GOPFL_2_20191023716084_20191023716084_0011 CS_OFFL_SIR_GOPFL_2_20191023716084_20191023716084_0011 CS_OFFL_SIR_GOPFL_2_20191023716084_20191023716084_0011 CS_OFFL_SIR_GOPFL_2_20191023716084_20191023716083_0011 CS_OFFL_SIR_GOPFL_2_20191023716084_20191023715085_0011 CS_OFFL_SIR_GOPFL_2_20191023716084_20191023713085_0011 CS_OFFL_SIR_GOPFL_2_20191023713082_20191023713085_0011 CS_OFFL_SIR_GOPFL_2_20191023713085_20191023713085_0011 CCCORRESPONDED 0011 CCCORRESPON	CS_OFFL_SIR_GOPN_2_20191023T080420_20191023T080542_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CG. OPFL_SIR_GOPPL_2.2019/0237104614_20191023710470_C001 CG. OPFL_SIR_GOPPL_2.2019/0237104614_20191023710470_C001 CG. OPFL_SIR_GOPPL_2.2019/0237104614_20191023710470_C001 CG. OPFL_SIR_GOPPL_2.2019/0237104614_20191023710470_C001 CG. OPFL_SIR_GOPPL_2.2019/0237104618_20191023710480_C001 CG. OPFL_SIR_GOPPL_2.2019/0237104618_20191023710480_C001 CG. OPFL_SIR_GOPPL_2.2019/0237104618_20191023710480_C001 CG. OPFL_SIR_GOPPL_2.2019/0237104618_20191023710480_C001 CG. OPFL_SIR_GOPPL_2.2019/023713338_20191023713388_C001 CG. OPFL_SIR_GOPPL_2.2019/023713388_20191023713388_C001 CG. OPFL_SIR_GOPPL_2.2019/023713388_C0010 CG. OPFL_SIR_GOPPL_2.2019/023713489_C0010 CG. OPFL_SIR_GOPPL_2.2019/023713489_C0	CS_OFFL_SIR_GOPN_2_20191023T082005_20191023T082127_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20191023T109444_20191023T094742_0001 CG_OS_Allimeter Range Quality PENA. CGG Beasocater Quality PENA. CGG Beasoc	CS_OFFL_SIR_GOPN_2_20191023T082604_20191023T083015_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20191023T159348_20191023T109714_C001 CS_OFFL_SIR_GOPN_2_20191023T109348_20191023T109714_C001 CS_OFFL_SIR_GOPN_2_20191023T109348_20191023T109714_C001 CS_OFFL_SIR_GOPN_2_20191023T119392_20191023T109714_C001 CS_OFFL_SIR_GOPN_2_20191023T119392_20191023T109715_C001 CS_OFFL_SIR_GOPN_2_20191023T119392_20191023T109715_C001 CS_OFFL_SIR_GOPN_2_20191023T119392_20191023T109715_C001 CS_OFFL_SIR_GOPN_2_20191023T1109715_C001 CS_OFFL_SIR_GOPN_2_20191023T1109715_C001 CCS_OFFL_SIR_GOPN_2_20191023T1109715_C001 CCCG_GAllimeter Range_Coully PLRN CCCG_GAllimeter Range_Coully PL	CS_OFFL_SIR_GOPN_2_20191023T090611_20191023T090729_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CSG GFFL_SIR_GOPN_2_20191023T104S18_20191023T104S00_C001 CS_OFFL_SIR_GOPN_2_20191023T104S18_20191023T104S00_C001 CS_OFFL_SIR_GOPN_2_20191023T104S18_20191023T1138S5_C001 CS_OFFL_SIR_GOPN_2_20191023T13338_20191023T133S5_C001 CS_OFFL_SIR_GOPN_2_20191023T133S05_20191023T133S5_C001 CS_OFFL_SIR_GOPN_2_20191023T133S05_20191023T133S5_C001 CS_OFFL_SIR_GOPN_2_20191023T133S05_20191023T133S05_C001 CS_OFFL_SIR_GOPN_2_20191023T133S05_20191023T133S05_C001 CS_OFFL_SIR_GOPN_2_20191023T133S05_20191023T133S05_C001 CS_OFFL_SIR_GOPN_2_20191023T13S05_20191023T135S05_C001 CS_OFFL_SIR_GOPN_2_20191023T13S05_20191023T135S05_C001 CS_OFFL_SIR_GOPN_2_20191023T13S05_20191023T13S05_C001 CS_OFFL_SIR_GOPN_2_20191023T13S05_20191023T13S05_2001 CS_OFFL_SIR_GOPN_2_20191023T13S05_20191023T13S05_	CS_OFFL_SIR_GOPN_2_20191023T094144_20191023T094700_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records.
OCOG Blackscatter Quality PLRM. The OCOG Range and Backscatter Quality Flags have been set for one or ocords. OCOG Alterester Range Quality PLRM. The OCOG Range and Backscatter Quality Flags have been set for one or ocords. OCOG Blackscatter Quality PLRM. The OCOG Range and Backscatter Quality Flags have been set for one or ocords. OCOG Alterester Range Quality PLRM. The OCOG Range and Backscatter Quality Flags have been set for one or ocords. OCOG Alterester Range Quality PLRM. OCOG Alterester Range Quality Flags have been set for one or ocords. OCOG Alterester Range and Backscatter Quality Flags have been set for one or ocords. OCOG Alterester Range Quality PLRM. OCOG Blackscatter Quality PLRM. OCOG Alterester Range Quality PLRM. OCOG Blackscatter	CS_OFFL_SIR_GOPN_2_20191023T095621_20191023T095748_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records.
OCOG Altmeter Range Quality PLRM. OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or once records. The OCOG Range and Backscatter Quality Flags have been set for one or once administer Range. SNA, SWH and Backscatter Quality Flags have been set for one or once records. The OCOG Range and Backscatter Quality Flags have been set for one or once administer Range and Backscatter Quality Flags have been set for one or once records. OCOG Altmeter Range and Backscatter Quality Flags have been set for one or once records. The OCOG Range and Backscatter Quality Flags have been set for one or once records. The OCOG Range and Backscatter Quality Flags have been set for one or once records. The OCOG Range and Backscatter Quality Flags have been set for one or once records. The OCOG Range and Backscatter Quality Flags have been set for one or once records. The OCOG Range and Backscatter Quality Flags have been set for one or once records. The OCOG Range and Backscatter Quality Flags have been set for one or once records. The OCOG Range and Backscatter Quality Flags have been set for one or once or once or once records. The OCOG Range and Backscatter Quality Flags have been set for one or once or once or once records. The OCOG Range and Backscatter Quality Flags have been set for one or once records. The OCOG Range and Backscatter Quality Flags have been set for one or once records. The OCOG Range and Backscatter Quality Flags have been set for one or once	CS_OFFL_SIR_GOPN_2_20191023T103548_20191023T103711_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records.
OCOG Backscatter Quality CS_OFFL_SIR_GOPN_2_20191023T131338_20191023T131355_C001 CS_OFFL_SIR_GOPN_2_20191023T131338_20191023T133426_C001 CS_OFFL_SIR_GOPN_2_20191023T133056_20191023T133426_C001 CS_OFFL_SIR_GOPN_2_20191023T145323_20191023T145441_C001 CS_OFFL_SIR_GOPN_2_20191023T145323_20191023T145441_C001 CS_OFFL_SIR_GOPN_2_20191023T145323_20191023T145441_C001 CS_OFFL_SIR_GOPN_2_20191023T154013_20191023T154244_C001 CS_OFFL_SIR_GOPN_2_20191023T154013_20191023T154244_C001 CS_OFFL_SIR_GOPN_2_20191023T154013_20191023T154037_C001 CS_OFFL_SIR_GOPN_2_20191023T16407_20191023T154037_C001 CS_OFFL_SIR_GOPN_2_20191023T16407_20191023T154037_C001 CS_OFFL_SIR_GOPN_2_20191023T16407_20191023T16407_C001 CS_OFFL_SIR_GOPN_2_20191023T16407_20191023T16407_C001 CS_OFFL_SIR_GOPN_2_20191023T16407_20191023T16407_C001 CS_OFFL_SIR_GOPN_2_20191023T16407_20191023T16407_C001 CS_OFFL_SIR_GOPN_2_20191023T16407_20191023T16407_C001 CS_OFFL_SIR_GOPN_2_20191023T16407_20191023T16407_C001 CS_OFFL_SIR_GOPN_2_20191023T16407_20191023T16407_C001 CS_OFFL_SIR_GOPN_2_20191023T16407_20191023T16407_C001 CS_OFFL_SIR_GOPN_2_20191023T16407_20191023T165407_C001 CS_OFFL_SIR_GOPN_2_20191023T165507_C001 CS_OFFL_SIR_GOPN_2_20191023T165507_C001 CS_OFFL_SIR_GOPN_2_20191023T165507_C001 CS_OFFL_SIR_GOPN_2_20191023T165507_C001 CS_OFFL_SIR_GOPN_2_20191023T165637_C001 CS_OFFL_SIR_GOPN_2_20191023T165637_20191023T165937_C001 CCG_GBackscatter Quality PLRM, COCG Backscatter Quality Plags have been set for one	CS_OFFL_SIR_GOPN_2_20191023T104518_20191023T104630_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20191023T13138_20191023T1313428_C001 CS_OFFL_SIR_GOPN_2_20191023T133056_20191023T133428_C001 CS_OFFL_SIR_GOPN_2_20191023T133056_20191023T13428_C001 CS_OFFL_SIR_GOPN_2_20191023T133056_20191023T13428_C001 CS_OFFL_SIR_GOPN_2_20191023T145323_20191023T145441_C001 CS_OFFL_SIR_GOPN_2_20191023T145323_20191023T145441_C001 CS_OFFL_SIR_GOPN_2_20191023T154013_20191023T154244_C001 CS_OFFL_SIR_GOPN_2_20191023T154013_20191023T15403T_C001 CS_OFFL_SIR_GOPN_2_20191023T154052_C00191023T15403T_C001 CS_OFFL_SIR_GOPN_2_20191023T16559_20191023T16752_C001 CS_OFFL_SIR_GOPN_2_20191023T16559_20191023T16752_C001 CS_OFFL_SIR_GOPN_2_20191023T16559_20191023T16593T_C001 CS_OFFL_SIR_GOPN_2_20191023T165632_20191023T16593T_C001 CS_OFFL_SIR_GOPN_2_20191023T18033T_20191023T16593T_C001 CCS_OFFL_SIR_GOPN_2_20191023T18033T_20191023T16593T_C001 CCS_OFFL_SIR_GOPN_2_20191023T18033T_20191023T18133T_20191023T18109T_C001 CCS_OFFL_SIR_GOPN_2_20191023T18133T_20191023T18109T_C001 CCS_OFFL_SIR_GOPN_2_20191023T18133T_20191023T18109T_C001 CCS_OFFL_SIR_GOPN_2_20191023T18133T_20191023T18109T_C001 CCS_OFFL_SIR_GOPN_2_20191023T18133T_20191023T18109T_C001 CCS_OFFL_SIR_GOPN_2_20191023T18133T_20191023T18109T_C001 CCS_OFFL_SIR_GOPN_2_20191023T18133T_20191023T18109T_C001 CCS_OFFL_SIR_GOPN_2_20191023T18133T_20191023T18109T_C001 CCS_OFFL_SIR_GOPN_2_20191023T18133T_20191023T18109T_C001 CCS_OFFL_SIR_GOPN_2_20191023T18133T_20191023T18109T_C001 CCS_OFFL_SIR_GOPN_2_20191023T1	CS_OFFL_SIR_GOPN_2_20191023T113832_20191023T113955_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records.
OCOG Backscatter Quality CS_OFFL_SIR_GOPN_2_20191023T145323_20191023T145441_C001 CS_OFFL_SIR_GOPN_2_20191023T1454323_20191023T145444_C001 CS_OFFL_SIR_GOPN_2_20191023T154013_20191023T154244_C001 CS_OFFL_SIR_GOPN_2_20191023T154013_20191023T154244_C001 CS_OFFL_SIR_GOPN_2_20191023T154013_20191023T154037_C001 CS_OFFL_SIR_GOPN_2_20191023T164557_20191023T164637_C001 CS_OFFL_SIR_GOPN_2_20191023T161559_20191023T161552_C001 CS_OFFL_SIR_GOPN_2_20191023T165832_20191023T163210_C001 CS_OFFL_SIR_GOPN_2_20191023T165832_20191023T165937_C001 CS_OFFL_SIR_GOPN_2_20191023T161337_20191023T161593_C001 CS_OFFL_SIR_GOPN_2_20191023T161337_20191023T1616937_C001 CS_OFFL_SIR_GOPN_2_20191023T161337_20191023T1616937_C001 CS_OFFL_SIR_GOPN_2_20191023T161337_20191023T1616937_C001 CS_OFFL_SIR_GOPN_2_20191023T161337_20191023T1616937_C001 CCS_OFFL_SIR_GOPN_2_20191023T161337_20191023T1616937_C001 CCS_OFFL_SIR_GOPN_2_20191023T161337_20191023T1616937_C001	CS_OFFL_SIR_GOPN_2_20191023T131338_20191023T131355_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPN_2_20191023T145323_20191023T154041_C001 Alimeter Range and Backscatter Quality PLRM. CS_OFFL_SIR_GOPN_2_20191023T154013_20191023T154244_C001 CS_OFFL_SIR_GOPN_2_20191023T154057_20191023T154457_C001 CS_OFFL_SIR_GOPN_2_20191023T16457_20191023T154457_C001 CS_OFFL_SIR_GOPN_2_20191023T161559_20191023T161552_C001 CS_OFFL_SIR_GOPN_2_20191023T161559_20191023T161552_C001 CS_OFFL_SIR_GOPN_2_20191023T163050_20191023T163210_C001 CS_OFFL_SIR_GOPN_2_20191023T163050_20191023T163210_C001 CS_OFFL_SIR_GOPN_2_20191023T165832_20191023T165937_C001 CS_OFFL_SIR_GOPN_2_20191023T165832_20191023T165937_C001 CS_OFFL_SIR_GOPN_2_20191023T165832_20191023T165937_C001 CS_OFFL_SIR_GOPN_2_20191023T165832_20191023T165937_C001 CS_OFFL_SIR_GOPN_2_20191023T165832_20191023T165937_C001 CS_OFFL_SIR_GOPN_2_20191023T172419_20191023T172558_C001 CS_OFFL_SIR_GOPN_2_20191023T172419_20191023T181232_C001 CS_OFFL_SIR_GOPN_2_20191023T181022_20191023T181232_C001 CS_OFFL_SIR_GOPN_2_20191023T181022_20191023T181337_20191023T181232_C001 CS_OFFL_SIR_GOPN_2_20191023T181337_20191023T181232_C001 CS_OFFL_SIR_GOPN_2_20191023T181337_20191023T181232_C001 CS_OFFL_SIR_GOPN_2_20191023T181337_20191023T181232_C001 CS_OFFL_SIR_GOPN_2_20191023T1813337_20191023T181232_C001 CS_OFFL_SIR_GOPN_2_20191023T1813337_20191023T181232_C001 CS_OFFL_SIR_GOPN_2_20191023T1813337_20191023T181232_C001 CS_OFFL_SIR_GOPN_2_20191023T1813337_20191023T181232_C001 CS_OFFL_SIR_GOPN_2_20191023T1813337_20191023T181232_C001 CCOGA Altimeter Range Quality PLRM, COCG Range and Backscatter Quality Flags have been set for one of more records. CS_OFFL_SIR_GOPN_2_20191023T1813337_20191023T181232_C001 CCOGA Altimeter Range Quality PLRM, CCCG Range and Backscatter Quality Flags have been set for one of more records. CCCGA Altimeter Range Quality PLRM, CCCG Range and Backscatter Quality Flags have been set for one of more records. CCCGA Altimeter Range Quality PLRM, CCCG Range and Backscatter Quality Flags have been set for one of more records.	CS_OFFL_SIR_GOPN_2_20191023T133056_20191023T133428_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20191023T154457_20191023T154637_C001 CS_OFFL_SIR_GOPN_2_20191023T161559_20191023T161752_C001 CS_OFFL_SIR_GOPN_2_20191023T161559_20191023T163210_C001 CS_OFFL_SIR_GOPN_2_20191023T163050_20191023T163210_C001 CS_OFFL_SIR_GOPN_2_20191023T165832_20191023T165937_C001 CS_OFFL_SIR_GOPN_2_20191023T165832_20191023T165937_C001 CS_OFFL_SIR_GOPN_2_20191023T172419_20191023T172558_C001 CS_OFFL_SIR_GOPN_2_20191023T172419_20191023T181232_C001 CS_OFFL_SIR_GOPN_2_20191023T181337_20191023T181607_C001 CS_OFFL_SIR_GOPN_2_20191023T181337_20191023T181607_C001 CS_OFFL_SIR_GOPN_2_20191023T181337_20191023T1813349_C001 CS_OFFL_SIR_GOPN_2_20191023T183347_20191023T1813439_C001 CS_OFFL_SIR_GOPN_2_20191023T183347_20191023T1813439_C001 CS_OFFL_SIR_GOPN_2_20191023T183347_20191023T1813439_C001 CCOCG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20191023T181337_20191023T1813439_C001 CCOCG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20191023T181337_20191023T1813439_C001 CCOCG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for one or more records. CCOCG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20191023T181337_20191023T181607_C001 CCOCG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for one or more records. CCOCG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for one or more records. CCOCG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for one or more records. CCOCG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for one or more records. CCOCG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for one or more records. CCOCG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPN_2_20191023T145323_20191023T145441_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPN_2_20191023T161559_20191023T161752_C001 CS_OFFL_SIR_GOPN_2_20191023T161559_20191023T163210_C001 CS_OFFL_SIR_GOPN_2_20191023T163050_20191023T163210_C001 CS_OFFL_SIR_GOPN_2_20191023T165832_20191023T165937_C001 CS_OFFL_SIR_GOPN_2_20191023T165832_20191023T172558_C001 CS_OFFL_SIR_GOPN_2_20191023T181022_20191023T181232_C001 CS_OFFL_SIR_GOPN_2_20191023T181022_20191023T181232_C001 CS_OFFL_SIR_GOPN_2_20191023T181337_20191023T181607_C001 CS_OFFL_SIR_GOPN_2_20191023T181337_20191023T1813439_C001 CS_OFFL_SIR_GOPN_2_20191023T181337_20191023T1813439_C001 CCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscat	CS_OFFL_SIR_GOPN_2_20191023T154013_20191023T154244_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records.
OCOG Backscatter Quality CS_OFFL_SIR_GOPN_2_20191023T163050_20191023T163210_C001 CS_OFFL_SIR_GOPN_2_20191023T163050_20191023T163210_C001 CS_OFFL_SIR_GOPN_2_20191023T165832_20191023T165937_C001 CS_OFFL_SIR_GOPN_2_20191023T172419_20191023T165937_C001 CS_OFFL_SIR_GOPN_2_20191023T172419_20191023T172558_C001 CS_OFFL_SIR_GOPN_2_20191023T172419_20191023T181232_C001 CS_OFFL_SIR_GOPN_2_20191023T181022_20191023T181232_C001 CS_OFFL_SIR_GOPN_2_20191023T181337_20191023T181607_C001 CS_OFFL_SIR_GOPN_2_20191023T181337_20191023T181607_C001 CS_OFFL_SIR_GOPN_2_20191023T183347_20191023T183439_C001 CCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20191023T181337_20191023T181607_C001 CCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPN_2_20191023T154457_20191023T154637_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20191023T163050_20191023T163210_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM. CS_OFFL_SIR_GOPN_2_20191023T165832_20191023T165937_C001 CS_OFFL_SIR_GOPN_2_20191023T172419_20191023T172558_C001 CS_OFFL_SIR_GOPN_2_20191023T181022_20191023T181232_C001 CS_OFFL_SIR_GOPN_2_20191023T181022_20191023T181232_C001 CS_OFFL_SIR_GOPN_2_20191023T181337_20191023T181232_C001 CS_OFFL_SIR_GOPN_2_20191023T181337_20191023T181607_C001 CS_OFFL_SIR_GOPN_2_20191023T181337_20191023T181607_C001 CS_OFFL_SIR_GOPN_2_20191023T183347_20191023T183439_C001 CS_OFFL_SIR_GOPN_2_20191023T183347_20191023T183439_C001 CS_OFFL_SIR_GOPN_2_20191023T183347_20191023T183439_C001 CS_OFFL_SIR_GOPN_2_20191023T183347_20191023T183439_C001 CS_OFFL_SIR_GOPN_2_20191023T183347_20191023T183439_C001 CCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one of more records. CS_OFFL_SIR_GOPN_2_20191023T183347_20191023T183439_C001 CCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one of more records. CS_OFFL_SIR_GOPN_2_20191023T183347_20191023T183439_C001 CCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one of more records. CCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one of more records. CCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one of more records.	CS_OFFL_SIR_GOPN_2_20191023T161559_20191023T161752_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20191023T181022_20191023T181232_C001 CS_OFFL_SIR_GOPN_2_20191023T181022_20191023T181232_C001 CS_OFFL_SIR_GOPN_2_20191023T181022_20191023T181232_C001 CS_OFFL_SIR_GOPN_2_20191023T181022_20191023T181607_C001 CS_OFFL_SIR_GOPN_2_20191023T181337_20191023T181607_C001 CS_OFFL_SIR_GOPN_2_20191023T181337_20191023T181607_C001 CS_OFFL_SIR_GOPN_2_20191023T183347_20191023T183439_C001 CS_OFFL_SIR_GOPN_2_20191023T183347_20191023T183439_C001 CS_OFFL_SIR_GOPN_2_20191023T183347_20191023T183439_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one of more records. The OCOG Range and Backscatter Quality Flags have been set for one of more records. The OCOG Range and Backscatter Quality Flags have been set for one of more records. The OCOG Range and Backscatter Quality Flags have been set for one of more records. The OCOG Range and Backscatter Quality Flags have been set for one of more records. The OCOG Range and Backscatter Quality Flags have been set for one of more records. The OCOG Range and Backscatter Quality Flags have been set for one of more records. The OCOG Range and Backscatter Quality Flags have been set for one of more records. The OCOG Range and Backscatter Quality Flags have been set for one of more records.	CS_OFFL_SIR_GOPN_2_20191023T163050_20191023T163210_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPN_2_20191023T181022_20191023T181232_C001 OCOG Backscatter Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one of more records. The OCOG Range and Backscatter Quality Flags have been set for one of more records. OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one of more records. The OCOG Range and Backscatter Quality Flags have been set for one of more records. The OCOG Range and Backscatter Quality Flags have been set for one of more records. OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one of more records. OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one of more records. OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one of more records.	CS_OFFL_SIR_GOPN_2_20191023T165832_20191023T165937_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20191023T181337_20191023T181607_C001 OCOG Backscatter Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one of more records. The OCOG Range and Backscatter Quality Flags have been set for one of more records. CS_OFFL_SIR_GOPN_2_20191023T183347_20191023T183439_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one of more records. The OCOG Range and Backscatter Quality Flags have been set for one of more records. OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one of more records.	CS_OFFL_SIR_GOPN_2_20191023T172419_20191023T172558_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20191023T181337_20191023T181607_C001 OCOG Backscatter Quality OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one of more records. The OCOG Range and Backscatter Quality Flags have been set for one of more records. OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one of more records.	CS_OFFL_SIR_GOPN_2_20191023T181022_20191023T181232_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records.
OCOG Backscatter Quality OCOG Backscatter Quality more records. OCOG Range and Backscatter Quality Flags have been set for one of	CS_OFFL_SIR_GOPN_2_20191023T181337_20191023T181607_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records.
	CS_OFFL_SIR_GOPN_2_20191023T183347_20191023T183439_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records.
	CS_OFFL_SIR_GOPN_2_20191023T190332_20191023T190539_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20191023T193006_20191023T193313_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one of more records.	CS_OFFL_SIR_GOPN_2_20191023T193006_20191023T193313_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20191023T193912_20191023T194054_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPN_2_20191023T193912_20191023T194054_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_GOPN_2_20191023T194935_20191023T195421_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_20191023T203243_20191023T203409_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_20191023T203552_20191023T203656_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_20191023T204123_20191023T204347_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_20191023T221219_20191023T221611_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_20191023T222201_20191023T222326_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_20191023T225758_20191023T225914_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_20191023T230038_20191023T230105_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_20191023T230244_20191023T230340_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_20191023T231132_20191023T231231_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_20191023T003902_20191023T004241_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_20191023T005238_20191023T005641_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_20191023T012630_20191023T013052_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_20191023T013153_20191023T013322_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_20191023T013443_20191023T014221_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_20191023T021748_20191023T021952_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_20191023T023124_20191023T023535_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_20191023T042835_20191023T043048_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_20191023T045306_20191023T050010_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_20191023T052039_20191023T052217_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_20191023T063146_20191023T063858_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_20191023T065243_20191023T065318_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_20191023T071445_20191023T071622_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_20191023T072837_20191023T073056_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_20191023T081008_20191023T081902_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_20191023T085351_20191023T085602_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_20191023T094700_20191023T095438_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.

	Ocean Altimeter Range, SSHA, SWH	l-,
CS_OFFL_SIR_GOPR_2_20191023T104631_20191023T105050_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_20191023T112412_20191023T112457_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_20191023T112631_20191023T113257_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_20191023T113257_20191023T113456_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_20191023T113955_20191023T114035_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_20191023T114707_20191023T114739_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_20191023T120323_20191023T120609_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_20191023T121112_20191023T121523_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_20191023T122513_20191023T122924_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_20191023T130449_20191023T131156_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_20191023T131156_20191023T131337_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_20191023T131836_20191023T132213_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_20191023T135044_20191023T135507_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_20191023T140444_20191023T140821_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_20191023T144609_20191023T145052_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_20191023T145254_20191023T145322_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_20191023T152844_20191023T153544_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_20191023T162409_20191023T162932_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_20191023T162932_20191023T163050_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_20191023T165207_20191023T165531_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_20191023T174102_20191023T174241_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_20191023T174939_20191023T174948_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_20191023T180653_20191023T181022_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_20191023T185050_20191023T185307_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_20191023T190539_20191023T190703_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_20191023T194218_20191023T194934_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_20191023T204347_20191023T204623_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_20191023T212021_20191023T212121_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_20191023T220802_20191023T221218_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_20191023T222326_20191023T222531_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_20191023T225921_20191023T225950_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_20191023T231231_20191023T231316_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_20191023T234741_20191023T235204_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (1 Hz & 1Hz PLRM)

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

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

Number of products with errors: 20

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: 64

L2 Retracking Flags (20Hz, PLRM)

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

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

Number of products with errors:

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

6.1 P2P Product Format Check

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

Number of products with errors:

0

6.2 P2P Product Header Analysis

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

Number of products with errors:

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

6.4 P2P Auxiliary Correction Error Check

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220191022T235706_20191023T004644_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_220191023T004644_20191023T013619_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_220191023T013619_20191023T022557_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20191023T022557_20191023T031533_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_220191023T031533_20191023T040511_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_220191023T040511_20191023T045446_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_220191023T045446_20191023T054424_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

CS_OFFL_SIR_GOP_2_20191023T054424_20191023T063400_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20191023T063400_20191023T072338_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20191023T072338_20191023T081313_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20191023T081313_20191023T090252_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20191023T090252_20191023T095227_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20191023T095227_20191023T104205_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20191023T104205_20191023T113141_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20191023T113141_20191023T122119_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20191023T122119_20191023T131054_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20191023T131054_20191023T140032_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20191023T140032_20191023T145008_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20191023T145008_20191023T153946_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20191023T153946_20191023T162921_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20191023T162921_20191023T171859_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20191023T171859_20191023T180835_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20191023T180835_20191023T185813_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20191023T185813_20191023T194748_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20191023T194748_20191023T203727_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20191023T203727_20191023T212702_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20191023T212702_20191023T221640_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20191023T221640_20191023T230616_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20191023T230616_20191023T235554_C002	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

6.5 P2P Measurement Confidence Data Check

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

Number of products with errors:

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:

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.

6.8 P2P Ocean Retracking Quality Check

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

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

Number of products with errors:

P2P Retracking Flags PLRM

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

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