

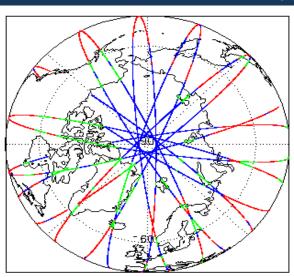
1. Overview

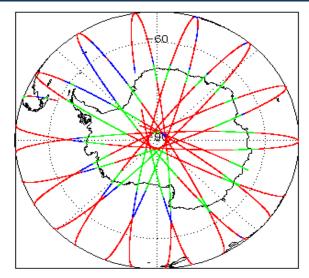
Report Production:	16-Mar-2020
Processor Used:	CryoSat Ocean Processor
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data

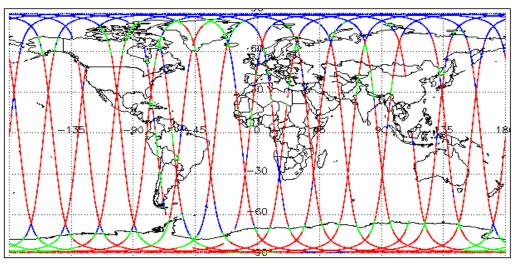
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary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

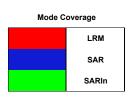
Mission / Instru	ument News
13-Feb-2020	None
14-Feb-2020	None
15-Feb-2020	Nothing planned

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

4. GOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

4.2 L1B Product Header Analysis

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

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

Number of products with errors:

4.3 L1B Auxilary Data File Usage Check

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

Number of products with errors:

4.4 L1B Auxiliary Correction Error Check

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

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:

0

4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20200214T124537_20200214T124926_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20200214T150649_20200214T154044_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20200214T223939_20200214T225122_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200214T004915_20200214T005427_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200214T050800_20200214T050857_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200214T113406_20200214T113941_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200214T123305_20200214T123514_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200214T141217_20200214T141704_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200214T204142_20200214T204550_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200214T004704_20200214T004915_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200214T120343_20200214T120522_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200214T171239_20200214T171417_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200214T172623_20200214T173413_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200214T181221_20200214T181445_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200214T190314_20200214T191722_C001	Loss of Echo	The tracking echo is missing for one or more records

5. GOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

5.2 L2 Product Header Analysis

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

Number of products with errors:

0

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

0

5.4 L2 Auxiliary Correction Error Check

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

Currently, there are some common auxiliary correction errors raised in the Level 2 products 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.

53

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20200214T024140_20200214T024247_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPM_2_20200214T140336_20200214T140437_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

CS_OFFL_SIR_GOPM_2_20200214T232504_20200214T233315_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_20200214T013904_20200214T014156_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_20200214T014819_20200214T015118_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_20200214T022907_20200214T023250_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_20200214T063805_20200214T063930_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_20200214T064447_20200214T064753_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_20200214T074553_20200214T074612_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_20200214T082347_20200214T082725_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_20200214T095825_20200214T100100_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_20200214T105332_20200214T105452_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_20200214T113406_20200214T113941_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_20200214T122808_20200214T122853_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_20200214T123305_20200214T123514_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_20200214T131548_20200214T131725_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_20200214T132613_20200214T132818_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_20200214T141217_20200214T141704_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_20200214T150404_20200214T150629_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_20200214T163500_20200214T163852_C001	mean Sea Suriace (1), mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period	Trief is an error with the wiso neight (solution 1) and the wearn 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_20200214T172040_20200214T172203_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_20200214T172525_20200214T172622_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_20200214T181445_20200214T181758_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_20200214T182313_20200214T182423_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_20200214T195215_20200214T195634_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_20200214T200214_20200214T200336_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_20200214T204142_20200214T204550_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_20200214T213952_20200214T214139_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_20200214T222353_20200214T222445_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_20200214T231755_20200214T232018_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_20200214T005428_20200214T010036_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_20200214T023250_20200214T024140_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_20200214T040942_20200214T041720_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_20200214T054912_20200214T055539_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_20200214T055539_20200214T055846_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_20200214T072746_20200214T073438_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_20200214T073438_20200214T073620_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_20200214T090851_20200214T091334_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_20200214T091334_20200214T091456_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_20200214T104656_20200214T105213_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_20200214T105213_20200214T105332_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_20200214T122853_20200214T122932_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_20200214T122933_20200214T123304_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_20200214T140437_20200214T140459_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_20200214T140459_20200214T141217_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_20200214T154708_20200214T155247_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_20200214T171530_20200214T171707_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_20200214T172027_20200214T172040_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_20200214T172623_20200214T173413_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_20200214T190314_20200214T191722_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_20200214T204551_20200214T205322_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_20200214T222445_20200214T223026_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_20200214T235401_20200214T235500_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

(

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (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.

Number of products with errors:

93

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20200214T000148_20200214T000651_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_20200214T003454_20200214T003707_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_20200214T003830_20200214T004531_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_20200214T011530_20200214T011932_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_20200214T012036_20200214T013904_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_20200214T014157_20200214T014607_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_20200214T014629_20200214T014818_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_20200214T015211_20200214T021811_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_20200214T025258_20200214T031842_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_20200214T031957_20200214T032521_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_20200214T032527_20200214T032852_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_20200214T033119_20200214T040428_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_20200214T043612_20200214T044956_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_20200214T045143_20200214T045818_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_20200214T045953_20200214T050759_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_20200214T051024_20200214T054521_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_20200214T055847_20200214T055937_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_20200214T062846_20200214T063753_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_20200214T063930_20200214T064447_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_20200214T065013_20200214T071256_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_20200214T071542_20200214T072507_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_20200214T073711_20200214T073736_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_20200214T073750_20200214T074118_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_20200214T075710_20200214T080152_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_20200214T080340_20200214T081700_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_20200214T082947_20200214T085701_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_20200214T085841_20200214T090150_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_20200214T092005_20200214T092659_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_20200214T092713_20200214T095125_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_20200214T100100_20200214T100253_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_20200214T100523_20200214T100739_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_20200214T100924_20200214T101439_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_20200214T101532_20200214T102603_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_20200214T102606_20200214T103655_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_20200214T104527_20200214T104531_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_20200214T105452_20200214T105856_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_20200214T110016_20200214T110240_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_20200214T110413_20200214T111508_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_20200214T112219_20200214T113405_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_20200214T113941_20200214T114209_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_20200214T114236_20200214T114700_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_20200214T114839_20200214T120342_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_20200214T123931_20200214T124052_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_20200214T124537_20200214T124926_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_20200214T125049_20200214T125640_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_20200214T125718_20200214T131458_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_20200214T131725_20200214T132613_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_20200214T132823_20200214T135041_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_20200214T143001_20200214T145413_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_20200214T145651_20200214T145832_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_20200214T145937_20200214T150403_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_20200214T150649_20200214T154044_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_20200214T160120_20200214T160359_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_20200214T160524_20200214T163337_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_20200214T163852_20200214T164442_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_20200214T164607_20200214T170520_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_20200214T173715_20200214T181221_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_20200214T181758_20200214T182312_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_20200214T182450_20200214T182755_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_20200214T182955_20200214T183309_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_20200214T190031_20200214T190314_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_20200214T191722_20200214T192603_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_20200214T192849_20200214T195113_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.

20 CMP, SR COPM 2 200234170479 200204170470 CMP CM			
25.0FFL.SR.GOPN 1_200001172001_2000011720010_000001000000100000010000000000	CS_OFFL_SIR_GOPM_2_20200214T195806_20200214T200214_C001		
CO-OPPLIER GOME 2 2000011720107 200001172010 COOR Deep Rights Regulate Reg	CS_OFFL_SIR_GOPM_2_20200214T200421_20200214T201719_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
### COO. After the Page and betweeth County Flags have been will be COO. After the Page and betweeth County Flags have been will be COO. After the Page and betweeth County Flags have been will be COO. After the Page County Flags have been will be COO. After the Page County Flags have been will be COO. After the Page County Flags have been will be controlled by the Page County Flags have been will be controlled by the Page County Flags have been will be controlled by the Page County Flags have been will be controlled by the Page County Flags have been will be controlled by the Page County Flags have been will be controlled by the Page County Flags have been will be controlled by the Page County Flags have been will be controlled by the Page County Flags have been will be controlled by the Page County Flags have been set to be controlled by the Page County Fla	CS_OFFL_SIR_GOPM_2_20200214T201907_20200214T202624_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFF_SR_GOM_2_2020214172092_2020147213091_C001 CR_OFF_SR_GOM_2_202021472132_20202147213091_C001 CR_OFF_SR_GOM_2_202021472132_20202147213092_C001 CR_OFF_SR_GOM_2_202021472132_20202147213092_C001 CR_OFF_SR_GOM_2_202021472132_20202147213092_C001 CR_OFF_SR_GOM_2_20202147213092_200014773170_D001 CR_OFF_SR_GOM_2_20202147213092_200014773170_D001 CR_OFF_SR_GOM_2_2020214721392_200014773170_D001 CR_OFF_SR_GOM_2_2020214721392_20001472313092_C001 CR_OFF_SR_GOM_2_2020214721392_20001472313092_C001 CR_OFF_SR_GOM_2_202021472092_20001 CR_OFF_SR_GOM_2_202021472092_20001 CR_OFF_SR_GOM_2_202021472092_20001 CR_OFF_SR_GOM_2_2020214720932_20001 CR_OFF_SR_GOM_2_2020214720932_200014720932_2001 CR_OFF_SR_GOM_2_2020214720932_200014720932_2001 CR_OFF_SR_GOM_2_2020214720932_200014720932_2	CS_OFFL_SIR_GOPM_2_20200214T202718_20200214T203140_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Col. OFFL_SIR_COPM_2_7000014773193_7000014773193_0000014773193_000014773193_000014773193_000014773193_000014773193_000014773193_000014773193_00001	CS_OFFL_SIR_GOPM_2_20200214T203920_20200214T204004_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Deckwarder Quality	CS_OFFL_SIR_GOPM_2_20200214T205742_20200214T213001_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Description	CS_OFFL_SIR_GOPM_2_20200214T213132_20200214T213657_C001		, ,
Sackscatter Caulity CS_OFFL_SIR_GOPM_2_20000141726045_2000141720077_C001 Death Allimeter Range, SSHA, SWH and Backscatter Quality Flags are been set for coors on an owner records. CS_OFFL_SIR_GOPM_2_2000014722046_2000141720077_C001 DOGA Allimeter Range SSHA, SWH and Backscatter Quality Flags have been set for coors on an owner records. CS_OFFL_SIR_GOPM_2_2000014722046_20000141722050_C001 DOGA Allimeter Range SSHA, SWH and Backscatter Quality Flags have been set for coors on an owner records. CS_OFFL_SIR_GOPM_2_20000147220542_200014722352_C001 DOGA Allimeter Range SSHA, SWH and Backscatter Quality Flags have been set for coors on an owner records. CS_OFFL_SIR_GOPM_2_20000147220542_200014722352_C001 DOGA Allimeter Range SSHA, SWH and Backscatter Quality Flags have been set for coors on one records. CS_OFFL_SIR_GOPM_2_20000147220542_200014722352_C001 DOGA Allimeter Range SSHA, SWH and Backscatter Quality Flags have been set for coors on one records. CS_OFFL_SIR_GOPM_2_20000147223502_200014723152_C001 DOGA Allimeter Range SSHA, SWH and Backscatter Quality Flags have been set for coors on one records. CS_OFFL_SIR_GOPM_2_2000014723503_200014723152_C001 DOGA Allimeter Range SSHA, SWH and Backscatter Quality Flags have been set for coors on one records. DOGA Allimeter Range and Backscatter Quality Flags have been set for coors on one records. DOGA Allimeter Range and Backscatter Quality Flags have been set for coors on one records. DOGA Allimeter Range and Backscatter Quality Flags have been set for coors on one records. DOGA Allimeter Range and Backscatter Quality Flags have been set for coors on one records. DOGA Allimeter Range and Backscatter Quality Flags have been set for coors on one records. DOGA Allimeter Range and Backscatter Quality Flags have been set for coors on one records. DOGA Allimeter Range and Backscatter Quality Flags have been set for coors on one records. DOGA Allimeter Range SSHA, SWH and Backscatter Quality Flags have been set for coors on one records. DOGA Allimeter Ra	CS_OFFL_SIR_GOPM_2_20200214T213703_20200214T213710_C001	3	
and Backscatter Cauley, CCGG Althreder Range and Backscatter Cauley (Range and Backscatter Cauley) CS_OFFL_SIR_OOPM_2_20200214122044_20002141221908_C001 CS_OFFL_SIR_OOPM_2_20200214122044_20002141222352_C001 CS_OFFL_SIR_OOPM_2_202002141222346_20002141222352_C001 CS_OFFL_SIR_OOPM_2_202002141222369_20002141223352_C001 CS_OFFL_SIR_OOPM_2_202002141223369_20002141223352_C001 CS_OFFL_SIR_OOPM_2_202002141223369_20002141223352_C001 CS_OFFL_SIR_OOPM_2_202002141223369_20002141233152_C001 CS_OFFL_SIR_OOPM_2_202002141223369_20002141233152_C001 CS_OFFL_SIR_OOPM_2_202002141223369_20002141233152_C001 CS_OFFL_SIR_OOPM_2_202002141233152_C001 CS_OFFL_SIR_OOPM_2_202002141233510_C001 CS_OFFL_SIR_OOPM_2_202002141233510_C001 CS_OFFL_SIR_OOPM_2_202002141700444_202002141004752_C001 CS_OFFL_SIR_OOPM_2_202002141700444_202002141004752_C001 CS_OFFL_SIR_OOPM_2_202002141700444_202002141004752_C001 CS_OFFL_SIR_OOPM_2_202002141700444_2020021410044752_C001 CS_OFFL_SIR_OOPM_2_202002141700444_2020021410044752_C001 CS_OFFL_SIR_OOPM_2_202002141700444_2020021410044752_C001 CS_OFFL_SIR_OOPM_2_202002141700444_20200214110044752_C001 CS_OFFL_SIR_OOPM_2_202002141700444_20200214110044752_C001 CS_OFFL_SIR_OOPM_2_20200214170044_20200214110044752_C001 CS_OFFL_SIR_OOPM_2_202002141700444_20200214110044752_C001 CS_OFFL_SIR_OOPM_2_202002141700444_202002141	CS_OFFL_SIR_GOPM_2_20200214T213717_20200214T213952_C001	3	, ,
and the OCOG Allimeter Range and Backscatter Quality Flags have been set to one of more record. CS_OFFL_SIR_GOPM_2_20200214T222146_20202214T22512C_0001 CS_OFFL_SIR_GOPM_2_20200214T222339_20200214T22512C_0001 CS_OFFL_SIR_GOPM_2_20200214T223399_20200214T22512C_0001 CS_OFFL_SIR_GOPM_2_20200214T223399_20200214T22512C_0001 CS_OFFL_SIR_GOPM_2_20200214T223090_20200214T220011_C001 CS_OFFL_SIR_GOPM_2_20200214T223090_20200214T230011_C001 CS_OFFL_SIR_GOPM_2_20200214T23000_2020214T230011_C001 CS_OFFL_SIR_GOPM_2_20200214T23000_2020214T230011_C001 CS_OFFL_SIR_GOPM_2_20200214T23000_2020214T230011_C001 CS_OFFL_SIR_GOPM_2_20200214T23000_2020214T230011_C001 CS_OFFL_SIR_GOPM_2_20200214T23000_2020214T230011_C001 CS_OFFL_SIR_GOPM_2_20200214T23000_2020214T230011_C001 CS_OFFL_SIR_GOPM_2_20200214T23000_2020214T230011_C001 CS_OFFL_SIR_GOPM_2_20200214T23000_2020214T230011_C001 CS_OFFL_SIR_GOPM_2_20200214T230010_2020214T230011_C001 CS_OFFL_SIR_GOPM_2_20200214T230010_2020214T230011_C001 CS_OFFL_SIR_GOPM_2_20200214T230015C000214T230011_C001 CS_OFFL_SIR_GOPM_2_20200214T230010_2020214T230011_C001 CS_OFFL_SIR_GOPM_2_20200214T230010_2020214T230011_C001 CS_OFFL_SIR_GOPM_2_20200214T230010_2020214T230011_C001 CS_OFFL_SIR_GOPM_2_20200214T230010_2020214T20010_202011000000000000000000000000000	CS_OFFL_SIR_GOPM_2_20200214T214758_20200214T220027_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPM_2_20200214T223939_20200214T225122_C001 CS_OFFL_SIR_GOPM_2_20200214T223939_20200214T225132_C001 CS_OFFL_SIR_GOPM_2_20200214T225398_20200214T235154_C001 CS_OFFL_SIR_GOPM_2_20200214T231558_20200214T235154_C001 CS_OFFL_SIR_GOPM_2_20200214T231558_20200214T235154_C001 CS_OFFL_SIR_GOPM_2_20200214T231558_20200214T235154_C001 CS_OFFL_SIR_GOPM_2_20200214T231558_20200214T2351554_C001 CS_OFFL_SIR_GOPM_2_20200214T231558_20200214T235154_C001 CS_OFFL_SIR_GOPM_2_20200214T231558_20200214T2351554_C001 CS_OFFL_SIR_GOPM_2_20200214T231558_20200214T235150_C001 CS_OFFL_SIR_GOPM_2_20200214T231558_20200214T235150_C001 CS_OFFL_SIR_GOPM_2_20200214T23153_20200214T235150_C001 CS_OFFL_SIR_GOPM_2_20200214T23153_20200214T23510_C001 CS_OFFL_SIR_GOPM_2_20200214T03_2050_200214T23510_C001 CS_OFFL_SIR_GOPM_2_20200214T03_2050_200214T04733_C001 CS_OFFL_SIR_GOPM_2_20200214T04447_20200214T04733_C001 CS_OFFL_SIR_GOPM_2_20200214T04447_20200214T04733_C001 CS_OFFL_SIR_GOPM_2_20200214T04447_20200214T04733_C001 CS_OFFL_SIR_GOPM_2_20200214T04447_20200214T00473_C001 CS_OFFL_SIR_GOPM_2_20200214T04447_20200214T00473_C001 CS_OFFL_SIR_GOPM_2_20200214T04447_20200214T00473_C001 CS_OFFL_SIR_GOPM_2_20200214T04447_20200214T00473_C001 CS_OFFL_SIR_GOPM_2_20200214T04447_20200214T00473_C001 CS_OFFL_SIR_GOPM_2_20200214T0440_C001 CS_OFFL_SIR_GOPM_2_20200214T0440_C001 CS_OFFL_SIR_GOPM_2_20200214T0440_C001 CS_OFFL_SIR_GOPM_2_20200214T0440_C001 CS_OFFL_SIR_GOPM_2_20200214T0440_C001 CS_OFFL_SIR_GOPM_2_20200214T0440_C001 CS_OFFL_SIR_GOPM_2_20200214T0440_C001 CS_OFFL_SIR_GOPM_2_20200214T0440_C001 CS_OFFL_SIR_GOPM_2_20200214T03440_C001 CS_OFFL_SIR_GOPM_2_2020	CS_OFFL_SIR_GOPM_2_20200214T220046_20200214T221808_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and the COGA Allimeter Range and Backscatter Quality Flags have been Allimeter Range and Backscatter Quality Flags have been Allimeter Range and Backscatter Quality Flags have been as the Backscatter Quality CoGA Allimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200214T223066_20200214T233155_C001 CS_OFFL_SIR_GOPM_2_20200214T232504_20200214T233155_C001 CS_OFFL_SIR_GOPM_2_20200214T232504_20200214T23315_C001 CS_OFFL_SIR_GOPM_2_20200214T232504_20200214T23315_C001 CS_OFFL_SIR_GOPM_2_20200214T232504_20200214T23315_C001 CS_OFFL_SIR_GOPM_2_20200214T23415_20200214T23315_C001 CS_OFFL_SIR_GOPM_2_20200214T23415_20200214T23315_C001 CS_OFFL_SIR_GOPM_2_20200214T0415_20200214T04753_C001 CS_OFFL_SIR_GOPM_2_20200214T04407_20200214T091727_C001 CS_OFFL_SIR_GOPM_2_20200214T091601_20200214T091727_C001 CS_OFFL_SIR_GOPM_2_20200214T091601_20200214T091727_C001 CS_OFFL_SIR_GOPM_2_20200214T091601_20200214T091727_C001 CS_OFFL_SIR_GOPM_2_20200214T091601_20200214T091727_C001 CS_OFFL_SIR_GOPM_2_20200214T091601_20200214T091727_C001 CS_OFFL_SIR_GOPM_2_20200214T091601_20200214T091727_C001 CS_OFFL_SIR_GOPM_2_20200214T091601_20200214T091727_C001 CS_OFFL_SIR_GOPM_2_20200214T091601_20200214T091601_C001 CS_OFFL_SIR_GOPM_2_20200214T091601_20200214T091601_C001 CS_OFFL_SIR_GOPM_2_20200214T09018_C001 CS_OFFL_SIR_	CS_OFFL_SIR_GOPM_2_20200214T222146_20200214T222352_C001		
CS_OFFL_SIR_GOPM_2_20200214T233556_20200214T233155_CO11 CS_OFFL_SIR_GOPM_2_20200214T234166_20200214T23315_CO11 CS_OFFL_SIR_GOPM_2_20200214T234166_20200214T23315_CO11 CS_OFFL_SIR_GOPM_2_20200214T23456_20200214T23351_CO11 CS_OFFL_SIR_GOPM_2_20200214T23455_20200214T23351_CO11 CS_OFFL_SIR_GOPM_2_20200214T23455_20200214T235510_CO11 CS_OFFL_SIR_GOPM_2_20200214T23455_20200214T235510_CO11 CS_OFFL_SIR_GOPM_2_20200214T23455_20200214T235510_CO11 CS_OFFL_SIR_GOPM_2_20200214T23455_20200214T235510_CO11 CS_OFFL_SIR_GOPM_2_20200214T23455_20200214T235510_CO11 CS_OFFL_SIR_GOPM_2_20200214T091601_20200214T091727_CO11 CS_OFFL_SIR_GOPM_2_20200214T091601_20200214T091875_CO11 CS_OFFL_SIR_GOPM_2_20200214T100798_20200214T100918_CO11 CS_OFFL_SIR_GOPM_2_20200214T100798_20200214T100918_CO11 CS_OFFL_SIR_GOPM_2_20200214T100798_20200214T100918_CO11 CS_OFFL_SIR_GOPM_2_20200214T100798_20200214T100918_CO11 CS_OFFL_SIR_GOPM_2_20200214T100798_20200214T100918_CO11 CS_OFFL_SIR_GOPM_2_20200214T100798_20200214T100918_CO11 CS_OFFL_SIR_GOPM_2_20200214T100798_20200214T100918_CO11 CS_OFFL_SIR_GOPM_2_20200214T100798_20200214T100918_CO11 CS_OFFL_SIR_GOPM_2_20200214T100798_20200214T100918_CO11 CS_OFFL_SIR_GOPM_2_20200214T154435_20200214T100918_CO11 CS_OFFL_SIR_GOPM_2_20200214T100798_20200214T100918_CO11 CS_OFFL_SIR_GOPM_2_20200214T100798_20200214T100918_CO11 CS_OFFL_SIR_GOPM_2_20200214T100798_20200214T100918_CO11 CS_OFFL_SIR_GOPM_2_20200214T100798_20200214T100918_CO11 CS_OFFL_SIR_GOPM_2_20200214T100798_20200214T100918_CO11 CS_OFFL_SIR_GOPM_2_20200214T100798_20200214T100918_CO11 CS_OFFL_SIR_GOPM_2_20200214T100798_20200214T100918_CO11 CS_OFFL_SIR_GOPM_2_20200214T100798_20200214T100918_CO11 CS_OFFL_SIR_GOPM_2_20200214T154435_02000214T100918_CO11 CS_OFFL_SIR_GOPM_2_20200214T100798_20200214T100918_CO11 CS_OFFL_SIR_GOPM_2_20200214T100044_20200214T100918_CO11 CS_OFFL_SIR_GOPM_2_20200214T100044_20200214T00044_CO11 CCOMMINITED Residuation of the control of the	CS_OFFL_SIR_GOPM_2_20200214T223939_20200214T225122_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPM_2_20200214T232504_20200214T233315_C001 CS_OFFL_SIR_GOPM_2_20200214T232504_20200214T233315_C001 CS_OFFL_SIR_GOPM_2_20200214T23453_20200214T233315_C001 CS_OFFL_SIR_GOPM_2_20200214T064447_20200214T064753_C001 CS_OFFL_SIR_GOPM_2_20200214T064447_20200214T064753_C001 CS_OFFL_SIR_GOPM_2_20200214T064447_20200214T064753_C001 CS_OFFL_SIR_GOPM_2_20200214T06447_20200214T064753_C001 CS_OFFL_SIR_GOPM_2_20200214T06447_20200214T064753_C001 CS_OFFL_SIR_GOPM_2_20200214T064001_20200214T064753_C001 CS_OFFL_SIR_GOPM_2_20200214T064001_20200214T064753_C001 CS_OFFL_SIR_GOPM_2_20200214T064001_20200214T064753_C001 CS_OFFL_SIR_GOPM_2_20200214T064001_20200214T064753_C001 CS_OFFL_SIR_GOPM_2_20200214T064001_20200214T064753_C001 CS_OFFL_SIR_GOPM_2_20200214T064001_20200214T064763_C001 CS_OFFL_SIR_GOPM_2_20200214T100739_20200214T06476_C001 CS_OFFL_SIR_GOPM_2_20200214T100739_20200214T100748_C001 CS_OFFL_SIR_GOPM_2_20200214T100739_20200214T100748_C001 CS_OFFL_SIR_GOPM_2_20200214T154435_20200214T154447_C001 CS_OFFL_SIR_GOPM_2_20200214T154435_20200214T231666_C001 CS_OFFL_SIR_GOPM_2_20200214T154435_20200214T231666_C001 CS_OFFL_SIR_GOPM_2_20200214T1233031_20200214T233803_C001 CS_OFFL_SIR_GOPM_2_20200214T1233031_20200214T00414_C001 CS_OFFL_SIR_GOPM_2_20200214T1233031_20200214T00414_C001 CS_OFFL_SIR_GOPM_2_20200214T122333_20200214T123364_C001 CS_OFFL_SIR_GOPM_2_20200214T122333_20200214T123364_C001 CS_OFFL_SIR_GOPM_2_20200214T122333_20200214T123364_C001 CS_OFFL_SIR_GOPM_2_20200214T122333_20200214T123364_C001 CS_OFFL_SIR_GOPM_2_20200214T122333_20200214T123364_C001 CS_OFFL_SIR_GOPM_2_20200214T122333_20200214T123364_C001 CS_OFFL_SIR_GOPM_2_20200214T122333_20200214T123364_C001 CS_OFFL_SIR_GOPM_2_20200214T123333_20200214T123364_C001 CS_OFFL_SIR_GOPM_2_20200214T123333_20200214T123364_C001 CS_OFFL_SIR_GOPM_2_20200214T123334_C001 CS_OFFL_SIR_GOPM_2_20200214T123334_C001 CS_OFFL_SIR_GOPM_2_20200214T16404_2020214T010144_C001 CS_OFFL_SIR_GOPM_2_20200214T16404_2020214T01044_C001 CS_OFFL_SIR_G	CS_OFFL_SIR_GOPM_2_20200214T225326_20200214T230913_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality. OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200214T234153_20200214T084753_C001 CS_OFFL_SIR_GOPM_2_20200214T084447_20200214T084753_C001 CS_OFFL_SIR_GOPM_2_20200214T084447_20200214T084753_C001 CS_OFFL_SIR_GOPM_2_20200214T084447_20200214T084753_C001 CS_OFFL_SIR_GOPM_2_20200214T091601_20200214T091727_C001 CS_OFFL_SIR_GOPM_2_20200214T091601_20200214T091727_C001 CS_OFFL_SIR_GOPM_2_20200214T091801_20200214T091801_000000000000000000000000000000000	CS_OFFL_SIR_GOPM_2_20200214T231056_20200214T231554_C001		
and Backscatter Quality, COCG Altimeter Range, and Backscatter Quality Flags have been altimeter Range, SSHA, SWH and Backscatter Quality Flags have been altimeter Range, SSHA, SWH and Backscatter Quality Flags have been altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been altimeter Range, SSHA, SWH and Backscatter Quality Flags have been altimeter Range, SSHA, SWH and Backscatter Quality Flags have been altimeter Range, SSHA, SWH and Backscatter Quality Flags have been altimeter Range, SSHA, SWH and Backscatter Quality Flags have been altimeter Range, SSHA, SWH and Backscatter Quality Flags have been altimeter Range, SSHA, SWH and Backscatter Quality Flags have been altimeter Range, SSHA, SWH and Backscatter Quality Flags have been altimeter Range, SSHA, SWH and Backscatter Quality Flags have been altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20200214T1233535_20200214T233503_C001 CS_OFFL_SIR_GOPR_2_20200214T00144_C001 CS_OFFL_SIR_GOPR_2_20	CS_OFFL_SIR_GOPM_2_20200214T232504_20200214T233315_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range Altimeter Ra	CS_OFFL_SIR_GOPM_2_20200214T234153_20200214T235310_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPN_2_20200214T091601_20200214T10918_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20200214T100739_20200214T100918_C001 CS_OFFL_SIR_GOPN_2_20200214T154435_20200214T154447_C001 CS_OFFL_SIR_GOPN_2_20200214T154435_20200214T154447_C001 CS_OFFL_SIR_GOPN_2_20200214T154435_20200214T154447_C001 CS_OFFL_SIR_GOPN_2_20200214T230914_20200214T231056_C001 CS_OFFL_SIR_GOPN_2_20200214T2339355_20200214T233603_C001 CS_OFFL_SIR_GOPN_2_20200214T00044_20200214T010144_C001 CS_OFFL_SIR_GOPR_2_20200214T010044_20200214T010144_C001 CS_OFFL_SIR_GOPR_2_20200214T00044_20200214T010144_C001 CS_OFFL_SIR_GOPR_2_20200214T00044_20200214T010144_C001 CS_OFFL_SIR_GOPR_2_20200214T00044_20200214T023300_C001 CS_OFFL_SIR_GOPR_2_20200214T00044_20200214T023000_C001 CS_OFFL_SIR_GOPR_2_20200214T00044_20200214T0001144_C001 CS_OFFL_SIR_GOPR_2_20200214T00044_20200214T0001144_C001 CS_OFFL_SIR_GOPR_2_20200214T00044_20200214T0001144_C001 CS_OFFL_SIR_GOPR_2_20200214T00044_20000214T0001144_C001 CS_OFFL_SIR_GOPR_2_20200214T00044_20000214T0001144_C001 CS_OFFL_SIR_GOPR_2_20200214T00044_20000214T0001144_C001 CS_OFFL_SIR_GOPR_2_20200214T00044_20000214T0001144_C001 CS_OFFL_SIR_GOPR_2_20200214T00044_20000214T0004140_C001 CS_OFFL_SIR_GOPR_2_20200014T00044_20000114T0004140_C001 CS_OFFL_SIR_GOPR_2_20200014T0004000114T0001144_C001 CS_OFFL_SIR_GOPR_2_20200014T0004000114T00040001 CS_OFFL_SIR_GOPR_2_20200014T10004000114T0004000114T000400114T0004000114T0004001	CS_OFFL_SIR_GOPN_2_20200214T064447_20200214T064753_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20200214T154435_20200214T154447_CO01 CS_OFFL_SIR_GOPN_2_20200214T230914_20200214T231056_CO01 CS_OFFL_SIR_GOPN_2_20200214T2339355_20200214T233603_CO01 CS_OFFL_SIR_GOPN_2_20200214T233535_20200214T233603_CO01 CS_OFFL_SIR_GOPR_2_20200214T010044_20200214T010144_CO01 CS_OFFL_SIR_GOPR_2_20200214T010044_20200214T010044_20001 CS_OFFL_SIR_GOPR_2_20200214T010044	CS_OFFL_SIR_GOPN_2_20200214T091601_20200214T091727_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_GOPN_2_20200214T230914_20200214T231056_C001 CS_OFFL_SIR_GOPN_2_20200214T233535_20200214T233603_C001 CS_OFFL_SIR_GOPN_2_20200214T233535_20200214T233603_C001 CS_OFFL_SIR_GOPR_2_20200214T010044_20200214T010144_C001 CS_OFFL_SIR_GOPR_2_20200214T010044_20200214T010144_C001 CS_OFFL_SIR_GOPR_2_20200214T023250_20200214T024140_C001 CS_OFFL_SIR_GOPR_2_20200214T023250_20200214T024140_C001 CS_OFFL_SIR_GOPR_2_20200214T023350_20200214T024140_C001 CS_OFFL_SIR_GOPR_2_20200214T023350_20200214T024140_C001 CS_OFFL_SIR_GOPR_2_20200214T023350_20200214T024140_C001 CS_OFFL_SIR_GOPR_2_20200214T023350_20200214T024140_C001 CS_OFFL_SIR_GOPR_2_20200214T023350_20200214T023304_C001 CS_OFFL_SIR_GOPR_2_20200214T023350_20200214T023304_C001 CS_OFFL_SIR_GOPR_2_20200214T023350_20200214T023304_C001 CS_OFFL_SIR_GOPR_2_20200214T023350_20200214T023304_C001 CS_OFFL_SIR_GOPR_2_20200214T023350_20200214T023304_C001 CS_OFFL_SIR_GOPR_2_20200214T023350_20200214T023304_C001 CS_OFFL_SIR_GOPR_2_20200214T023350_20200214T023304_C001 CS_OFFL_SIR_GOPR_2_20200214T023350_20200214T023304_C001 CS_OFFL_SIR_GOPR_2_20200214T023350_20200214T023304_C001 CS_OFFL_SIR_GOPR_2_20200214T03304_C001 CS_OFFL_SIR_GOPR_2_20200214T03304_C001 CS_OFFL_SIR_GOPR_2_20200214T03304_C001 CS_OFFL_SIR_GOPR_2_20200214T183310_20200214T183912_C001 CS_OFFL_SIR_GOPR_2_20200214T183310_20200214T183912_C001 CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	CS_OFFL_SIR_GOPN_2_20200214T100739_20200214T100918_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPN_2_20200214T233535_20200214T233603_C001 CS_OFFL_SIR_GOPN_2_20200214T010044_20200214T010144_C001 CS_OFFL_SIR_GOPR_2_20200214T010044_20200214T010144_C001 CS_OFFL_SIR_GOPR_2_20200214T023250_20200214T024140_C001 CS_OFFL_SIR_GOPR_2_20200214T023250_20200214T024140_C001 CS_OFFL_SIR_GOPR_2_20200214T02333_20200214T024140_C001 CS_OFFL_SIR_GOPR_2_20200214T122933_20200214T123304_C001 CS_OFFL_SIR_GOPR_2_20200214T122933_20200214T123304_C001 CS_OFFL_SIR_GOPR_2_20200214T183310_20200214T183912_C001 CS_OFFL_SIR_GOPR_2_20200214T183310_20200214T183912_C001 Backscatter Quality CCS_OFFL_SIR_GOPR_2_20200214T122933_20200214T183912_C001 Backscatter Quality CCS_OFFL_SIR_GOPR_2_20200214T123355_20200214T183912_C001 Backscatter Quality CCS_OFFL_SIR_GOPR_2_20200214T123355_20200214T123304_C001 CCOG_Altimeter Range Quality, OCOG_Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCS_OFFL_SIR_GOPR_2_20200214T183310_20200214T183912_C001 CCS_OFFL_SIR_GOPR_2_20200214T183310_20200214T183912_C001 CCS_OFFL_SIR_GOPR_2_20200214T183310_20200214T183912_C001 CCS_OFFL_SIR_GOPR_2_20200214T183910_20200214T183912_C001 CCS_OFFL_SIR_GOPR_2_20200214T183910_20200214T183910_20	CS_OFFL_SIR_GOPN_2_20200214T154435_20200214T154447_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPR_2_20200214T010044_20200214T010144_C001 CS_OFFL_SIR_GOPR_2_20200214T023250_20200214T024140_C001 CS_OFFL_SIR_GOPR_2_20200214T023250_20200214T024140_C001 CS_OFFL_SIR_GOPR_2_20200214T023250_20200214T024140_C001 CS_OFFL_SIR_GOPR_2_20200214T122933_20200214T123304_C001 CS_OFFL_SIR_GOPR_2_20200214T122933_20200214T123304_C001 CS_OFFL_SIR_GOPR_2_20200214T122933_20200214T123304_C001 CS_OFFL_SIR_GOPR_2_20200214T183310_20200214T183912_C001 CS_OFFL_SIR_GOPR_2_20200214T183310_20200214T183912_C001 CS_OFFL_SIR_GOPR_2_20200214T183310_20200214T183912_C001 CS_OFFL_SIR_GOPR_2_20200214T183310_20200214T183912_C001 CS_OFFL_SIR_GOPR_2_20200214T183310_20200214T183912_C001 CS_OFFL_SIR_GOPR_2_20200214T183310_20200214T183912_C001 CS_OFFL_SIR_GOPR_2_20200214T192603_20200214T192849_C001 CCOG Altimeter Range Quality, OCOG Backscatter Quality, O	CS_OFFL_SIR_GOPN_2_20200214T230914_20200214T231056_C001		
Backscatter Quality CS_OFFL_SIR_GOPR_2_20200214T023250_20200214T024140_C001 CS_OFFL_SIR_GOPR_2_20200214T122933_20200214T123304_C001 CS_OFFL_SIR_GOPR_2_20200214T122933_20200214T123304_C001 CS_OFFL_SIR_GOPR_2_20200214T183310_20200214T183912_C001 CS_OFFL_SIR_GOPR_2_20200214T183310_20200214T183912_C001 CS_OFFL_SIR_GOPR_2_20200214T183310_20200214T183912_C001 CS_OFFL_SIR_GOPR_2_20200214T183310_20200214T183912_C001 CS_OFFL_SIR_GOPR_2_20200214T183310_20200214T183912_C001 CS_OFFL_SIR_GOPR_2_20200214T183310_20200214T183912_C001 CS_OFFL_SIR_GOPR_2_20200214T183310_20200214T183912_C001 CS_OFFL_SIR_GOPR_2_20200214T183310_20200214T183912_C001 CS_OFFL_SIR_GOPR_2_20200214T183310_20200214T183912_C001 CS_OFFL_SIR_GOPR_2_20200214T192603_20200214T192849_C001 CS_OFFL_SIR_GOPR_2_20200214T192603_20200214T192849_C001 CCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20200214T183310_20200214T183912_C001 CCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20200214T192603_20200214T192849_C001 CCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter	CS_OFFL_SIR_GOPN_2_20200214T233535_20200214T233603_C001		
Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20200214T122933_20200214T123304_C001 CS_OFFL_SIR_GOPR_2_20200214T183310_20200214T183912_C001 CS_OFFL_SIR_GOPR_2_20200214T183310_20200214T183912_C001 DCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Backscatter Quality, OCOG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20200214T183310_20200214T183912_C001 DCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPR_2_20200214T010044_20200214T010144_C001		
CS_OFFL_SIR_GOPR_2_20200214T122933_20200214T123304_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	CS_OFFL_SIR_GOPR_2_20200214T023250_20200214T024140_C001	Backscatter Quality	for one or more records.
CS_OFFL_SIR_GOPR_2_20200214T183310_20200214T183912_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocoan Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocoan Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPR_2_20200214T122933_20200214T123304_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20200214T192603_20200214T192849_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPR_2_20200214T183310_20200214T183912_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
	CS_OFFL_SIR_GOPR_2_20200214T192603_20200214T192849_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

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:

Test Failed Description

Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20200214T002105_20200214T002409_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_20200214T002714_20200214T003240_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_20200214T004541_20200214T004703_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_20200214T014819_20200214T015118_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_20200214T022702_20200214T022824_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_20200214T024846_20200214T025110_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_20200214T032852_20200214T033011_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_20200214T041720_20200214T041745_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_20200214T045829_20200214T045953_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_20200214T050800_20200214T050857_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_20200214T054521_20200214T054652_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_20200214T060114_20200214T060237_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_20200214T060751_20200214T060948_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_20200214T063805_20200214T063930_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_20200214T064447_20200214T064753_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_20200214T075338_20200214T075710_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_20200214T082347_20200214T082725_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_20200214T091456_20200214T091538_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_20200214T091601_20200214T091727_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_20200214T091919_20200214T092005_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_20200214T100254_20200214T100523_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_20200214T105332_20200214T105452_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_20200214T113406_20200214T113941_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_20200214T122808_20200214T122853_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_20200214T124926_20200214T125048_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_20200214T135650_20200214T135823_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_20200214T163500_20200214T163852_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_20200214T172040_20200214T172203_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_20200214T173413_20200214T173513_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_20200214T182313_20200214T182423_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_20200214T184144_20200214T184203_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_20200214T195215_20200214T195634_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_20200214T200214_20200214T200336_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_20200214T202625_20200214T202718_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_20200214T204142_20200214T204550_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_20200214T221813_20200214T221932_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_20200214T231755_20200214T232018_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_20200214T233714_20200214T233726_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_20200214T233845_20200214T234137_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_20200214T235808_20200215T000102_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_20200214T003357_20200214T003453_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_20200214T004531_20200214T004541_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_20200214T004704_20200214T004915_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_20200214T005428_20200214T010036_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_20200214T010044_20200214T010144_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_20200214T015129_20200214T015211_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_20200214T023250_20200214T024140_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_20200214T040942_20200214T041720_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_20200214T041746_20200214T041904_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_20200214T042030_20200214T042158_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_20200214T054652_20200214T054715_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_20200214T054912_20200214T055539_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_20200214T055539_20200214T055846_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_20200214T062555_20200214T062846_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_20200214T064753_20200214T065013_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_20200214T072508_20200214T072659_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_20200214T072746_20200214T073438_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_20200214T073438_20200214T073620_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_20200214T074803_20200214T074846_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_20200214T090150_20200214T090513_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_20200214T090851_20200214T091334_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_20200214T091334_20200214T091456_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_20200214T091538_20200214T091601_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_20200214T104656_20200214T105213_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_20200214T111508_20200214T111813_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_20200214T122704_20200214T122807_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_20200214T123514_20200214T123618_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_20200214T123848_20200214T123931_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_20200214T135212_20200214T135247_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_20200214T140459_20200214T141217_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_20200214T154255_20200214T154435_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_20200214T154708_20200214T155247_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_20200214T172623_20200214T173413_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_20200214T183310_20200214T183912_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_20200214T190314_20200214T191722_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_20200214T204551_20200214T205322_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_20200214T205441_20200214T205742_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_20200214T223115_20200214T223210_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_20200214T223503_20200214T223507_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_20200214T223529_20200214T223541_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_20200214T223555_20200214T223655_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_20200214T223657_20200214T223757_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_20200214T225122_20200214T225325_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_20200214T232018_20200214T232355_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_20200214T235401_20200214T235500_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_20200214T235641_20200214T235808_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:

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: 53

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:

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 total 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:

CS_OFFL_SIR_GOP_2_20200214T000703_20200214T005639_C003 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1), Total Geocentric Ocean Tide height (solution 1) and the Total Geocentric Ocean Tide height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Mean Dynamic	Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20200214T014616_20200214T023553_C001 Topography (1), Total Geocentric Ocean Topography height (solution 1) and the Total Geocentric Ocean Tide heigh	CS_OFFL_SIR_GOP_2_20200214T000703_20200214T005639_C003		
		Topography (1), Total Geocentric Ocean	
CS_OFFL_SIR_GOP_2_20200214T023553_20200214T032530_C002 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records	CS_OFFL_SIR_GOP_2_20200214T023553_20200214T032530_C002		

	1	ı
CS_OFFL_SIR_GOP_220200214T032530_20200214T041507_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_20200214T041507_20200214T050444_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_20200214T050444_20200214T055420_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_20200214T055420_20200214T064357_C002	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20200214T064357_20200214T073334_C002	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20200214T073334_20200214T082311_C002	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20200214T082311_20200214T091247_C002	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20200214T091247_20200214T100224_C002	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20200214T100224_20200214T105201_C002	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20200214T105201_20200214T114138_C002	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_20200214T114138_20200214T123114_C002	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20200214T123114_20200214T132051_C002	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20200214T132051_20200214T141028_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_20200214T141028_20200214T150005_C002	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_220200214T150005_20200214T154942_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_GOP_2_20200214T154942_20200214T163919_C001	Mean Sea Suriace (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (EES), Non-Equilibrium Long Period	There is an error with the MSS neight (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_220200214T163919_20200214T172855_C002	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20200214T172855_20200214T181832_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_220200214T181832_20200214T190809_C002	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_GOP_2_20200214T190809_20200214T195746_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_20200214T195746_20200214T204722_C002	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20200214T204722_20200214T213659_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_20200214T213659_20200214T222636_C002	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20200214T222636_20200214T231613_C002	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20200214T231613_20200215T000549_C002	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

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.

Number of products with errors:

0

6.8 P2P Ocean Retracking Quality Check

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

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

Number of products with errors:

P2P Retracking Flags PLRM

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

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

Number of products with errors: