

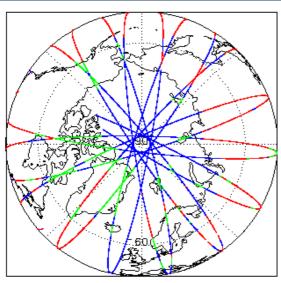
# 1. Overview

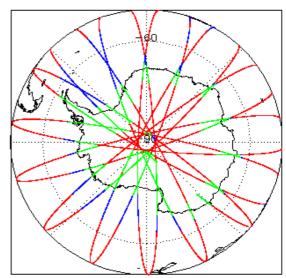
Report Production:	18-Feb-2022		
Processor Used:	CryoSat Ocean Processor		
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data		

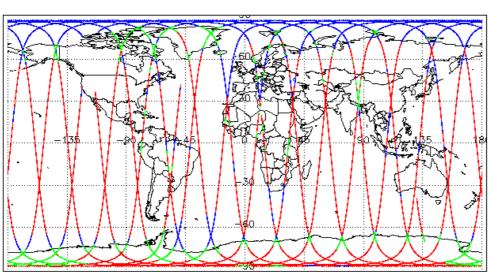
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary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

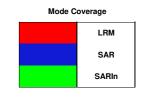
Mission / Instr	ument News
18-Jan-2022	None
19-Jan-2022	None
20-Jan-2022	Nothing planned

# 2. Global Coverage









# 3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

# 4. GOP Level 1B Data Quality Check

### 4.1 L1B Product Format Check

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).

#### 4.2 L1B Product Header Analysis

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

L1B Processing Quality HR: The I1b\_proc\_flag\_hr flag is currently set all L1B GOPR and GOPN products because the I1b\_processing\_quality\_hr field is not correctly configured in the OSAR and OSARIn chains. A modification is required in the next release.

Number of products with errors:

#### 4.3 L1B Auxilary Data File Usage Check

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

Number of products with errors:

0

#### 4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

0

### 4.5 L1B Measurement Confidence Data Check

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

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

Number of products with errors:

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#### 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.

20

Number of products with errors:

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Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20220119T063156_20220119T070644_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20220119T075527_20220119T075755_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20220119T114808_20220119T120354_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220119T030653_20220119T031141_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220119T075400_20220119T075527_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220119T084713_20220119T085125_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220119T093635_20220119T094035_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220119T111258_20220119T111438_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220119T012337_20220119T012432_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220119T012951_20220119T013106_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220119T043946_20220119T044138_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220119T044156_20220119T044721_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220119T060815_20220119T060901_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220119T074712_20220119T075022_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220119T094036_20220119T094809_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220119T113023_20220119T113149_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220119T144304_20220119T144414_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220119T161528_20220119T162422_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220119T180108_20220119T180240_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220119T194035_20220119T194044_C001	Loss of Echo	The tracking echo is missing for one or more records

## 5. GOP Level 2 Data Quality Check

#### 5.1 L2 Product Format Check

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

Number of products with errors:

0

#### 5.2 L2 Product Header Analysis

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

Number of products with errors:

0

#### 5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

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 that are expected, due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues that may arise from this test.

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

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20220119T143230_20220119T143318_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT and solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPM_2_20220119T153526_20220119T160435_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPM_2_20220119T213748_20220119T215525_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_20220119T002834_20220119T003424_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_20220119T012740_20220119T012950_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_20220119T021030_20220119T021212_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_20220119T022052_20220119T022256_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_20220119T030653_20220119T031141_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_20220119T052940_20220119T053334_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT and solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20220119T053927_20220119T054053_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_20220119T070929_20220119T071242_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_20220119T071759_20220119T071910_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_20220119T075400_20220119T075527_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20220119T084713_20220119T085125_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_20220119T085659_20220119T085824_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_20220119T093635_20220119T094035_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20220119T103450_20220119T103633_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_20220119T111838_20220119T111932_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_20220119T121245_20220119T121503_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_20220119T125243_20220119T125541_C001	Total Geocentric Ocean Tide (GOT)	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20220119T125635_20220119T125848_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20220119T134259_20220119T134453_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_20220119T135142_20220119T135622_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20220119T143318_20220119T143712_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_20220119T152309_20220119T152539_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_20220119T153302_20220119T153447_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_20220119T184209_20220119T184323_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_20220119T185102_20220119T185218_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_20220119T202124_20220119T202246_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_20220119T202756_20220119T203105_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT and solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20220119T220213_20220119T220457_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_20220119T220700_20220119T221228_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_20220119T225751_20220119T230220_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_20220119T234134_20220119T234410_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_20220119T012337_20220119T012432_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_20220119T012432_20220119T012739_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_20220119T030002_20220119T030653_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_20220119T044156_20220119T044721_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_20220119T061010_20220119T061119_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_20220119T062105_20220119T062858_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_20220119T075933_20220119T080844_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_20220119T094036_20220119T094809_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_20220119T111933_20220119T112514_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_20220119T125848_20220119T130536_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_20220119T143713_20220119T144230_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_20220119T144304_20220119T144414_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_20220119T161528_20220119T162422_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_20220119T175307_20220119T180042_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_20220119T181001_20220119T181159_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_20220119T193056_20220119T193848_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_20220119T193848_20220119T194011_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_20220119T211115_20220119T211747_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_20220119T211747_20220119T213231_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_20220119T225032_20220119T225150_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_20220119T225222_20220119T225641_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_20220119T225641_20220119T225751_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

# 5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

# 5.6 L2 Measurement Quality Flag Check

## L2 Quality Flags (20 Hz)

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20220118T235459_20220119T000052_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPM_2_20220119T000132_20220119T001035_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

CO CPPL SPR GOPPL 2 2020119780420 2020119780	CS_OFFL_SIR_GOPM_2_20220119T001655_20220119T002833_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CQ_OFF_SR_QOPM_2_202011970012_202011970000_0000  CQ_OFF_SR_QOPM_2_202011970012_202011970000_0000  CQ_OFF_SR_QOPM_2_202011970012_202011970000_0000  CQ_OFF_SR_QOPM_2_202011970012_202011970000_0000  CQ_OFF_SR_QOPM_2_202011970012_202011970000_0000  CQ_OFF_SR_QOPM_2_202011970012_202011970000_0000  CQ_OFF_SR_QOPM_2_2020119701000_202000000000000000000000000000000	CS_OFFL_SIR_GOPM_2_20220119T003425_20220119T003647_C001		
CS_OFF_SR_GOP4_2_0020119700403_200011970193_0001  CS_OFF_SR_GOP4_2_0020119704003_200011970193_0001  CS_OFF_SR_GOP4_2_002011970403_200011970403_0001  CS_OFF_SR_GOP4_2_002011970403_20001	CS_OFFL_SIR_GOPM_2_20220119T004323_20220119T005029_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Des CFFL SIR COPM 2 20221111701402 20221111701402 COOL  CS CFFL SIR COPM 2 2022111701402 20221111700402 COOL  CS CFFL SIR COPM 2 2022111701402 20221111700402 COOL  CS CFFL SIR COPM 2 2022111700402 20221111700404 COOL  CS CFFL SIR COPM 2 2022111700402 20221111700404 COOL  CS CFFL SIR COPM 2 2022111700402 20221111700404 COOL  CS CFFL SIR COPM 2 2022111700404 COOL	CS_OFFL_SIR_GOPM_2_20220119T005137_20220119T005823_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Seg. OFFL. SIR. GOPM. 2. 202201191014501 grozo 119104400, C001  Dean Affanter Range, SSIA, SWI and Backscatter Quality Flags and the COOL Affanter Range and State County Flags	CS_OFFL_SIR_GOPM_2_20220119T010003_20220119T011453_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SRI_GOPM_2_20220119703914_CD_2022119702920_CDD  CS_OFFL_SRI_GOPM_2_20220119705914_CDD  C	CS_OFFL_SIR_GOPM_2_20220119T014137_20220119T014403_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CB_OFFL_SIR_GOPM_2_202201197031452_20220119702955_CO01  CB_OFFL_SIR_GOPM_2_202201197031452_20220119702955_CO01  CB_OFFL_SIR_GOPM_2_202201197031452_20220119702955_CO01  CB_OFFL_SIR_GOPM_2_20220119702955_CO220119702955_CO01  CB_OFFL_SIR_GOPM_2_20220119702955_CO01  CB_OFFL_SIR_GOPM_2_20220119702955_CO220119702955_CO01  CB_OFFL_SIR_GOPM_2_20220119702955_CO220119702955_CO01  CB_OFFL_SIR_GOPM_2_20220119702955_CO220119702955_CO01  CB_OFFL_SIR_GOPM_2_20220119702955_CO220119702955_CO01  CB_OFFL_SIR_GOPM_2_20220119702955_CO220119702955_CO01  CB_OFFL_SIR_GOPM_2_20220119702955_CO01  CB_OFFL_SIR_GOPM_2_20220119702955_CO01  CB_OFFL_SIR_GOPM_2_20220119702955_CO01  CB_OFFL_SIR_GOPM_2_20220119702955_CO01  CB_OFFL_SIR_GOPM_2_202201197050005_CO01  CB_OFFL_SIR_GOPM_2_202201197050005_C	CS_OFFL_SIR_GOPM_2_20220119T014526_20220119T014830_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Badacacter Quality COCO Alterneter Range and Badacacter Quality Flags have been set for one or more records cs_OFFL_SIR_QOPM_2_202201197022122_202201197022002_C001  CS_OFFL_SIR_QOPM_2_202201197022108_202201197022002_C001  CS_OFFL_SIR_QOPM_2_202201197022008_202201197022004_C001  CS_OFFL_SIR_QOPM_2_202201197022008_202201197022004_C001  CS_OFFL_SIR_QOPM_2_202201197022008_2022011970200404_C001  CS_OFFL_SIR_QOPM_2_202201197030102_202201197020010_C001  CS_OFFL_SIR_QOPM_2_202201197030102_202201197020010_C001  CS_OFFL_SIR_QOPM_2_202201197030102_202201197020010_C001  CS_OFFL_SIR_QOPM_2_202201197030102_202201197020010_C001  CS_OFFL_SIR_QOPM_2_20220119703010_202201197020010_C001  CS_OFFL_SIR_QOPM_2_20220119703010_202201197020010_C001  CS_OFFL_SIR_QOPM_2_20220119703010_202201197020010_C001  CS_OFFL_SIR_QOPM_2_20220119703010_202201197020010_C001  CS_OFFL_SIR_QOPM_2_20220119703010_202201197020010_C001  CS_OFFL_SIR_QOPM_2_20220119703010_202201197020010_C001  CS_OFFL_SIR_QOPM_2_20220119703010_202201197020010_C001  CS_OFFL_SIR_QOPM_2_20220119703010_202201197020000_C001  CS_OFFL_SIR_QOPM_2_20220119703010_202201197020000_C001  CS_OFFL_SIR_QOPM_2_20220119703010_202201197020000_C001  CS_OFFL_SIR_QOPM_2_202201197030100_202201197020000_C001  CS_OFFL_SIR_QOPM_2_202201197030100_202201197000000_C001  CS_OFFL_SIR_QOPM_2_202201197030100_202201197000000_C001  CS_OFFL_SIR_QOPM_2_202201197030100_C0020119700000000000000000000000000000000	CS_OFFL_SIR_GOPM_2_20220119T014832_20220119T015014_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Cuality  CS OFFL SIR OPM 2 20220119703496 20220119703496 C001  CS OFFL SIR OPM 2 20220119703496 20220119703496 C001  CS OFFL SIR OPM 2 20220119703496 20220119703496 C001  CS OFFL SIR OPM 2 20220119703496 202201197039397 C001  CS OFFL SIR OPM 2 20220119703496 202201197039397 C001  CS OFFL SIR OPM 2 20220119703949 202201197039397 C001  CS OFFL SIR OPM 2 20220119703949 C001  CS OFFL SIR OPM 2 20220119703949 202201197039397 C001  CS OFFL SIR OPM 2 20220119703939 C001  CS OFFL SIR OPM 2 2022011970493 20220119705959 C001  CS OFFL SIR OPM 2 20220119705004 20220119705959 C001  CS OFFL SIR OPM 2 20220119705410 C0020 Allineter Range SINA SWH and Backscatter Cuality Flags have been set to cre or or or notor notor or or or or notor notor or or or or or notor notor or or or or or or or notor notor or or or or or notor notor or or or or or or or notor notor or or or or or notor notor or or or or or notor notor or or or or or or notor notor or or or or or or notor notor or or or or or or or or or notor notor or o	CS_OFFL_SIR_GOPM_2_20220119T015306_20220119T020926_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and flackscatter Quality, COCG Sprig. SIR_GOPM_2_202201197031405_20220119703485_CO01  CS_OFFI_SIR_GOPM_2_202201197031405_20220119703485_CO01  CS_OFFI_SIR_GOPM_2_20220119703310_20220119703849_CO01  CS_OFFI_SIR_GOPM_2_20220119703310_20220119703849_CO01  CS_OFFI_SIR_GOPM_2_202201197033417_20220119703849_CO01  CS_OFFI_SIR_GOPM_2_202201197038417_20220119703849_CO01  CS_OFFI_SIR_GOPM_2_202201197038417_20220119703849_CO01  CS_OFFI_SIR_GOPM_2_202201197038417_20220119703849_CO01  CS_OFFI_SIR_GOPM_2_202201197038417_20220119703849_CO01  CS_OFFI_SIR_GOPM_2_202201197038417_20220119703849_CO01  CS_OFFI_SIR_GOPM_2_202201197038417_20220119703849_CO01  CS_OFFI_SIR_GOPM_2_202201197038417_20220119703849_CO01  CS_OFFI_SIR_GOPM_2_202201197038338_20220119703829_CO01  CS_OFFI_SIR_GOPM_2_202201197058338_20220119705829_CO01  CS_OFFI_SIR_GOPM_2_202201197058338_20220119705829_CO01  CS_OFFI_SIR_GOPM_2_202201197058338_20220119705829_CO01  CS_OFFI_SIR_GOPM_2_202201197054103_20220119705829_CO01  CS_OFFI_SIR_GOPM_2_202201197054103_20220119705829_CO01  CS_OFFI_SIR_GOPM_2_202201197054103_20220119705829_CO01  CS_OFFI_SIR_GOPM_2_202201197054103_20220119705829_CO01  CS_OFFI_SIR_GOPM_2_202201197054103_20220119705829_CO01  CS_OFFI_SIR_GOPM_2_202201197054103_20220119705829_CO01  CS_OFFI_SIR_GOPM_2_202201197054103_20220119705829_CO01  CS_OFFI_SIR_GOPM_2_202201197054103_20220119705829_CO01  CS_OFFI_SIR_GOPM_2_202201197054103_20220119705829_CO01  CS_OFFI_SIR_GOPM_2_202201197054103_20220119705840_CO01  CS_OFFI_SIR_GOPM_2_20220119705439_202201197075857_CO01  CS_OFFI_SIR_GOPM_2_20220119705439_202201197075857_CO01  CS_OFFI_SIR_GOPM_2_202201197075827_202201197075857_CO01  CS_OFFI_SIR_GOPM_2_202201197075827_202201197075857_CO01  CS_OFFI_SIR_GOPM_2_202201197075827_202201197078840_CO01  CS_OFFI_SIR_GOPM_2_202201197078207_202201197078840_CO01  CS_OFFI_SIR_GOPM_2_202201197078207_202201197078840_CO01  CS_OFFI_SIR_GOPM_2_202201197078207_202201197078840_CO01  CS_OFFI_SIR_GOPM_2_202201197078207_202201197078850_CO01  CS_OFFI_SIR_GOPM_2_202201197078207_202201197078850_	CS_OFFL_SIR_GOPM_2_20220119T021212_20220119T022052_C001		
and Backscatter Quality Flags have been set from the company of the COGA Altimeter Range and Backscatter Quality Flags have been set for one or more records  The COGA Altimeter Range Quality, COGA Blackscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_GOPM_2_20220119T035130_20220119T035317_C001  CS_OFFL_SIR_GOPM_2_20220119T035417_20220119T035349_C001  CS_OFFL_SIR_GOPM_2_20220119T040134_20220119T042748_C001  CS_OFFL_SIR_GOPM_2_20220119T040134_20220119T042748_C001  CS_OFFL_SIR_GOPM_2_20220119T050004_20220119T050566_C001  CS_OFFL_SIR_GOPM_2_20220119T050004_20220119T050566_C001  CS_OFFL_SIR_GOPM_2_20220119T0503135_20220119T050326_C001  CS_OFFL_SIR_GOPM_2_20220119T054103_20220119T050326_C001  CS_OFFL_SIR_GOPM_2_20220119T054103_20220119T050326_C001  CS_OFFL_SIR_GOPM_2_20220119T054103_20220119T060325_C001  CS_OFFL_SIR_GOPM_2_20220119T054103_20220119T060325_C001  CS_OFFL_SIR_GOPM_2_20220119T054103_20220119T060325_C001  CS_OFFL_SIR_GOPM_2_20220119T054103_20220119T060325_C001  CS_OFFL_SIR_GOPM_2_20220119T054103_20220119T060325_C001  CS_OFFL_SIR_GOPM_2_20220119T05105035_20220119T060325_C001  CS_OFFL_SIR_GOPM_2_20220119T05105035_20220119T060325_C001  CS_OFFL_SIR_GOPM_2_20220119T05105035_20220119T060325_C001  CS_OFFL_SIR_GOPM_2_20220119T05105035_20220119T060325_C001  CS_OFFL_SIR_GOPM_2_20220119T05105035_20220119T070644_C001  CS_OFFL_SIR_GOPM_2_20220119T070535_20220119T070644_C001  CS_OFFL_SIR_GOPM_2_20220119T070535_20220119T070644_C001  CS_OFFL_SIR_GOPM_2_20220119T070557_20220119T070544_C001  CS_OFFL_SIR_GOPM_2_20220119T070557_20220119T070544_C001  CS_OFFL_SIR_GOPM_2_20220119T070557_20220119T070544_C001  CS_OFFL_SIR_GOPM_2_20220119T070557_20220119T070544_C001  CS_OFFL_SIR_GOPM_2_20220119T070557_20220119T070544_C001  CS_OFFL_SIR_GOPM_2_20220119T070557_20220119T070544_C001  CS_OFFL_SIR_GOPM_2_20220119T070557_20220119T070544_C001  CS_OFFL_SIR_GOPM_2_20220119T070557_20220119T070544_C001  CCS_OFFL_SIR_GOPM_2_20220119T070557_20220119T070557_4_C001  CCS_OFFL_SIR_GOPM_2_20220119T070557_20220119T070557_4_C001	CS_OFFL_SIR_GOPM_2_20220119T022308_20220119T024544_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality  CS_OFFL_SIR_GOPM_2_20220119T035417_20220119T035849_C001  CS_OFFL_SIR_GOPM_2_20220119T040134_20220119T042748_C001  CS_OFFL_SIR_GOPM_2_20220119T040134_20220119T042748_C001  CS_OFFL_SIR_GOPM_2_20220119T050004_20220119T052566_C001  CS_OFFL_SIR_GOPM_2_20220119T050004_20220119T052566_C001  CS_OFFL_SIR_GOPM_2_20220119T050004_20220119T052566_C001  CS_OFFL_SIR_GOPM_2_20220119T050004_20220119T052566_C001  CS_OFFL_SIR_GOPM_2_20220119T050004_20220119T052566_C001  CS_OFFL_SIR_GOPM_2_20220119T050004_20220119T053986_C001  CS_OFFL_SIR_GOPM_2_20220119T053356_20220119T053986_C001  CS_OFFL_SIR_GOPM_2_20220119T054103_20220119T060325_C001  CS_OFFL_SIR_GOPM_2_20220119T054103_20220119T060325_C001  CS_OFFL_SIR_GOPM_2_20220119T061826_20220119T061919_C001  CS_OFFL_SIR_GOPM_2_20220119T061826_20220119T061919_C001  CS_OFFL_SIR_GOPM_2_20220119T061826_20220119T070644_C001  CS_OFFL_SIR_GOPM_2_20220119T071957_20220119T070644_C001  CS_OFFL_SIR_GOPM_2_20220119T071957_20220119T075240_C001  CS_OFFL_SIR_GOPM_2_20220119T077249_20220119T075240_C001  CS_OFFL_SIR_GOPM_2_20220119T077527_20220119T075240_C001  CS_OFFL_SIR_GOPM_2_20220119T077557_20220119T075240_C001  CS_OFFL_SIR_GOPM_2_20220119T075527_20220119T0752557_C001  CS_OFFL_SIR_GOPM_2_20220119T075507_20220119T0752557_C001  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T0752557_C001  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T0752557_C001  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T0752557_C001  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T0752557_C001  CS_OFFL_SIR_GOPM_2_20220	CS_OFFL_SIR_GOPM_2_20220119T031405_20220119T034850_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality  CS_OFFL_SIR_GOPM_2_20220119T040134_20220119T042748_CO01  CS_OFFL_SIR_GOPM_2_20220119T050004_20220119T052656_CO01  CS_OFFL_SIR_GOPM_2_20220119T050004_20220119T052656_CO01  CS_OFFL_SIR_GOPM_2_20220119T050004_20220119T052656_CO01  CS_OFFL_SIR_GOPM_2_20220119T050004_20220119T052656_CO01  CS_OFFL_SIR_GOPM_2_20220119T053355_20220119T053926_CO01  CS_OFFL_SIR_GOPM_2_20220119T054103_20220119T063025_CO01  CS_OFFL_SIR_GOPM_2_20220119T054103_20220119T063025_CO01  CS_OFFL_SIR_GOPM_2_20220119T054103_20220119T063025_CO01  CS_OFFL_SIR_GOPM_2_20220119T054103_20220119T063025_CO01  CS_OFFL_SIR_GOPM_2_20220119T054103_20220119T063025_CO01  CS_OFFL_SIR_GOPM_2_20220119T054103_20220119T063025_CO01  CS_OFFL_SIR_GOPM_2_20220119T054103_20220119T063025_CO01  CS_OFFL_SIR_GOPM_2_20220119T054103_20220119T063025_CO01  CS_OFFL_SIR_GOPM_2_20220119T064103_20220119T063025_CO01  CS_OFFL_SIR_GOPM_2_20220119T064103_20220119T0644_CO01  CS_OFFL_SIR_GOPM_2_20220119T06440_CO01  CS_OFFL_SIR_GOPM_2_20220119T06440_CO01  CS_OFFL_SIR_GOPM_2_20220119T064556_C0020119T070644_CO01  CS_OFFL_SIR_GOPM_2_20220119T071957_20220119T070644_CO01  CS_OFFL_SIR_GOPM_2_20220119T071957_20220119T070644_CO01  CS_OFFL_SIR_GOPM_2_20220119T071957_20220119T070644_CO01  CS_OFFL_SIR_GOPM_2_20220119T071957_20220119T072240_CO01  CS_OFFL_SIR_GOPM_2_20220119T077240_CO01  CS_OFFL_SIR_GOPM_2_20220119T077240_CO01  CS_OFFL_SIR_GOPM_2_20220119T077557_20220119T072240_CO01  CS_OFFL_SIR_GOPM_2_20220119T077557_20220119T07554_CO01  CS_OFFL_SIR_GOPM_2_20220119T075507_20220119T07554_CO01  CS_OFFL_SIR_GOPM_2_20220119T075507_20220119T07554_CO01  CS_OFFL_SIR_GOPM_2_20220119T075507_20220119T07554_CO01  CS_OFFL_SIR_GOPM_2_20220119T075507_20220119T07554_CO01  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T07554_CO01  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T07554_CO01  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T07554_CO01  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T07554_CO01  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T07554_CO01  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T07554_C	CS_OFFL_SIR_GOPM_2_20220119T035130_20220119T035317_C001		
and Backscatter Ouality COGA Altimeter Range and Backscatter Ouality Flags have been and Backscatter Ouality Flags have been and Backscatter Ouality CoGA Altimeter Range and Backscatter Ouality Flags have been and Backscatter Ouality CoGA Altimeter Range SSHA, SWH and Backscatter Ouality COGA Altimeter Range and Backscatter Ouality Flags and the OCGA Altimeter Range and Backscatter Ouality F	CS_OFFL_SIR_GOPM_2_20220119T035417_20220119T035849_C001		
and Backscatter Quality, COCG Altimeter Range and Backscatter Quality, COCG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Response and Backscatter Quality Flags have been Set for one or more records  CS_OFFL_SIR_GOPM_2_20220119T053335_20220119T053326_CO01  CS_OFFL_SIR_GOPM_2_20220119T054103_20220119T060325_CO01  CS_OFFL_SIR_GOPM_2_20220119T061826_20220119T060325_CO01  CS_OFFL_SIR_GOPM_2_20220119T061826_20220119T061919_CO01  CS_OFFL_SIR_GOPM_2_20220119T061826_20220119T061919_CO01  CS_OFFL_SIR_GOPM_2_20220119T063156_20220119T07644_CO01  CS_OFFL_SIR_GOPM_2_20220119T063156_20220119T07644_CO01  CS_OFFL_SIR_GOPM_2_20220119T07957_20220119T072240_CO01  CS_OFFL_SIR_GOPM_2_20220119T07957_20220119T072240_CO01  CS_OFFL_SIR_GOPM_2_20220119T07957_20220119T072240_CO01  CS_OFFL_SIR_GOPM_2_20220119T07957_20220119T07257_CO01  CS_OFFL_SIR_GOPM_2_20220119T075507_C001  CS_OFFL_SIR_GOPM_2_20220119T075507_C001  CS_OFFL_SIR_GOPM_2_20220119T075507_20220119T075524_C001  CS_OFFL_SIR_GOPM_2_20220119T075507_20220119T075524_C001  CS_OFFL_SIR_GOPM_2_20220119T075507_20220119T075524_C001  CS_OFFL_SIR_GOPM_2_20220119T075507_20220119T075524_C001  CS_OFFL_SIR_GOPM_2_20220119T075507_20220119T075524_C001  CS_OFFL_SIR_GOPM_2_20220119T075507_20220119T075524_C001  CS_OFFL_SIR_GOPM_2_20220119T075507_20220119T075524_C001  CS_OFFL_SIR_GOPM_2_20220119T075507_20220119T075524_C001  CS_OFFL_SIR_GOPM_2_20220119T075527_20220119T075524_C001  CS_OFFL_SIR_GOPM_2_20220119T075527_20220119T075524_C001  CS_OFFL_SIR_GOPM_2_20220119T075527_20220119T075524_C001  CS_OFFL_SIR_GOPM_2_20220119T075527_20220119T075524_C001  CS_OFFL_SIR_GOPM_2_20220119T081204_20220119T082044_C001  CS_OFFL_SIR_GOPM_2_20220119T081204_20220119T082044_C001  CS_OFFL_SIR_GOPM_2_20220119T081204_20220119T082044_C001  CS_OFFL_SIR_GOPM_2_20220119T081204_20220119T082044_C001  CS_OFFL_SIR_GOPM_2_20220119T081204_20220119T082044_C001  CS_OFFL_SIR_GOPM_2_20220119T081204_20220119T082044_C001  CS_OFFL_SIR_GOPM_2_20220119T081204_20220119T082044_C	CS_OFFL_SIR_GOPM_2_20220119T040134_20220119T042748_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality  CS_OFFL_SIR_GOPM_2_20220119T054103_20220119T060325_C001  CS_OFFL_SIR_GOPM_2_20220119T061826_20220119T061919_C001  CS_OFFL_SIR_GOPM_2_20220119T061826_20220119T061919_C001  CS_OFFL_SIR_GOPM_2_20220119T061826_20220119T061919_C001  CS_OFFL_SIR_GOPM_2_20220119T063156_20220119T07644_C001  CS_OFFL_SIR_GOPM_2_20220119T063156_20220119T07644_C001  CS_OFFL_SIR_GOPM_2_20220119T07957_20220119T072240_C001  CS_OFFL_SIR_GOPM_2_20220119T07957_20220119T072240_C001  CS_OFFL_SIR_GOPM_2_20220119T077257_20220119T072240_C001  CS_OFFL_SIR_GOPM_2_20220119T077257_20220119T075240_C001  CS_OFFL_SIR_GOPM_2_20220119T07527_20220119T075240_C001  CS_OFFL_SIR_GOPM_2_20220119T075527_20220119T075240_C001  CS_OFFL_SIR_GOPM_2_20220119T075527_20220119T075524_C001  CS_OFFL_SIR_GOPM_2_20220119T075527_20220119T075524_C001  CS_OFFL_SIR_GOPM_2_20220119T075527_20220119T075524_C001  CS_OFFL_SIR_GOPM_2_20220119T075527_20220119T082044_C001  CS_OFFL_SIR_GOPM_2_20220119T081204_20220119T082044_C001  CS_OFFL_SIR_GOPM_2_20220119T081204_20220119T082044_C001  CS_OFFL_SIR_GOPM_2_20220119T081204_20220119T082044_C001  CS_OFFL_SIR_GOPM_2_20220119T081204_20220119T082044_C001  CS_OFFL_SIR_GOPM_2_20220119T081204_20220119T082044_C001  CS_OFFL_SIR_GOPM_2_20220119T081204_20220119T082044_C001  CS_OFFL_SIR_GOPM_2_20220119T081204_	CS_OFFL_SIR_GOPM_2_20220119T050004_20220119T052656_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20220119T061826_20220119T061919_C001  and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_GOPM_2_20220119T061826_20220119T070644_C001  CS_OFFL_SIR_GOPM_2_20220119T071967_20220119T072240_C001  CS_OFFL_SIR_GOPM_2_20220119T071967_20220119T072240_C001  CS_OFFL_SIR_GOPM_2_20220119T071967_20220119T072240_C001  CS_OFFL_SIR_GOPM_2_20220119T072439_20220119T072657_C001  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T075224_C001  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T075224_C001  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T075224_C001  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T075204_C001  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T075204_C001  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T075204_C001  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T075204_C001  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T075224_C001  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T075204_C001  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T075204_C001  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T075204_C001  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T075204_C001  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T075204_C001  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T075204_C001  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T075204_C001  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T075204_C001  CS_OFFL_SIR_GOPM_2_20220119T081204_20220119T082044_C001  CS_OFFL_SIR_GOPM_2_20220119T081204_20220119T082044_C001  COCAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_GOPM_2_20220119T081204_20220119T082044_C001  COCAN Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_GOPM_2_20220119T081204_20220119T082044_C001  COCAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_GOPM_2_20220119T081204_20220119T082044_C001  COCAN Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFF	CS_OFFL_SIR_GOPM_2_20220119T053335_20220119T053926_C001		
Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_GOPM_2_20220119T063156_20220119T070644_C001  CS_OFFL_SIR_GOPM_2_20220119T071957_20220119T070644_C001  CS_OFFL_SIR_GOPM_2_20220119T071957_20220119T072240_C001  CS_OFFL_SIR_GOPM_2_20220119T071957_20220119T072240_C001  CS_OFFL_SIR_GOPM_2_20220119T072439_20220119T072240_C001  CS_OFFL_SIR_GOPM_2_20220119T072439_20220119T072657_C001  CS_OFFL_SIR_GOPM_2_20220119T072439_20220119T072657_C001  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T075224_C001  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T075240_C001  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T075240_C001  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T075524_C001  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T075240_C001  CS_OFFL_SIR_GOPM_2_20220119T081204_20220119T082044_C001  CS_OFFL_SIR_GOPM_2_20220119T081204_20220119T082044_C001  COCAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  CC_OCAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  CC_OCAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  CC_OCAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  CC_OCAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  CC_OCAN Altimeter	CS_OFFL_SIR_GOPM_2_20220119T054103_20220119T060325_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, COOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_GOPM_2_20220119T071957_20220119T072240_C001  CS_OFFL_SIR_GOPM_2_20220119T072439_20220119T072240_C001  CS_OFFL_SIR_GOPM_2_20220119T072439_20220119T072657_C001  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T075224_C001  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T075224_C001  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T07524_C001  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T07524_C001  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T07524_C001  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T07524_C001  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T075754_C001  CS_OFFL_SIR_GOPM_2_20220119T075527_20220119T075754_C001  CS_OFFL_SIR_GOPM_2_20220119T075527_20220119T075754_C001  CS_OFFL_SIR_GOPM_2_20220119T075527_20220119T082044_C001  CS_OFFL_SIR_GOPM_2_20220119T081204_20220119T082044_C001  CS_OFFL_SIR_GOPM_2_20220119T081204_20220119T082044_C001  CS_OFFL_SIR_GOPM_2_20220119T082030_20220119T084536_C001  And Backscatter Quality, COOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_GOPM_2_20220119T081204_20220119T082044_C001  CCEAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  CCEAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  CCEAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  CCEAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  CCEAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPM_2_20220119T061826_20220119T061919_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_20220119T072439_20220119T072657_C001  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T075224_C001  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T07524_C001  CS_OFFL_SIR_GOPM_2_20220119T075527_20220119T07554_C001  CS_OFFL_SIR_GOPM_2_20220119T075527_20220119T07554_C001  CS_OFFL_SIR_GOPM_2_20220119T075527_20220119T07554_C001  CS_OFFL_SIR_GOPM_2_20220119T075527_20220119T07554_C001  CS_OFFL_SIR_GOPM_2_20220119T075527_20220119T07554_C001  CS_OFFL_SIR_GOPM_2_20220119T081204_20220119T082044_C001  CS_OFFL_SIR_GOPM_2_20220119T081204_20220119T082044_C001  CS_OFFL_SIR_GOPM_2_20220119T081204_20220119T082044_C001  CS_OFFL_SIR_GOPM_2_20220119T082030_20220119T084536_C001  and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_GOPM_2_20220119T081204_20220119T082044_C001  CS_OFFL_SIR_GOPM_2_20220119T081204_20220119T082044_C001  CS_OFFL_SIR_GOPM_2_20220119T081204_20220119T082044_C001  CS_OFFL_SIR_GOPM_2_20220119T082030_20220119T082044_C001  CS_OFFL_SIR_GOPM_2_20220119T082030_20220119T084536_C001  CS_OFFL_SIR_GOPM_2_20220119T082330_20220119T084536_C001  CS_OFFL_SIR_GOPM_2_20	CS_OFFL_SIR_GOPM_2_20220119T063156_20220119T070644_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20220119T072439_20220119T072657_C001  and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Backscatter Quality, OCOG Backscatter Quality  CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T075224_C001  CS_OFFL_SIR_GOPM_2_20220119T07527_20220119T075754_C001  CS_OFFL_SIR_GOPM_2_20220119T075527_20220119T075754_C001  CS_OFFL_SIR_GOPM_2_20220119T075527_20220119T075754_C001  CS_OFFL_SIR_GOPM_2_20220119T081204_20220119T082044_C001  CS_OFFL_SIR_GOPM_2_20220119T081204_20220119T082044_C001  CS_OFFL_SIR_GOPM_2_20220119T082330_20220119T084536_C001  And Backscatter Quality, OCOG Backscatter Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_GOPM_2_20220119T081204_20220119T082044_C001  CS_OFFL_SIR_GOPM_2_20220119T082330_20220119T084536_C001  And Backscatter Quality, OCOG Backscatter Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  The OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  The OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG 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 Altim	CS_OFFL_SIR_GOPM_2_20220119T071957_20220119T072240_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Qu	CS_OFFL_SIR_GOPM_2_20220119T072439_20220119T072657_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20220119T075527_20220119T075754_C001  and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  Cs_OFFL_SIR_GOPM_2_20220119T081204_20220119T082044_C001  Cs_OFFL_SIR_GOPM_2_20220119T081204_20220119T082044_C001  Cs_OFFL_SIR_GOPM_2_20220119T082330_20220119T084536_C001  and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  Cs_OFFL_SIR_GOPM_2_20220119T082330_20220119T084536_C001  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  Cs_OFFL_SIR_GOPM_2_20220119T082330_20220119T084536_C001  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPM_2_20220119T075207_20220119T075224_C001		
CS_OFFL_SIR_GOPM_2_20220119T081204_20220119T082044_C001  and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been a	CS_OFFL_SIR_GOPM_2_20220119T075527_20220119T075754_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20220119T082330_20220119T084536_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPM_2_20220119T081204_20220119T082044_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_GOPM_2_20220119T082330_20220119T084536_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_GOPM_2_20220119T085126_20220119T085244_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_20220119T085252_20220119T085659_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_20220119T085906_20220119T091205_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_20220119T091353_20220119T092103_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_20220119T095157_20220119T102443_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_20220119T102627_20220119T103143_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_20220119T103150_20220119T103156_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_20220119T104245_20220119T111258_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_20220119T111438_20220119T111838_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_20220119T112817_20220119T112820_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_20220119T112823_20220119T112832_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_20220119T113330_20220119T114603_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_20220119T114808_20220119T120354_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_20220119T120540_20220119T121042_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_20220119T121102_20220119T121114_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_20220119T121121_20220119T121245_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_20220119T122005_20220119T123022_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_20220119T123641_20220119T124734_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_20220119T131057_20220119T131120_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_20220119T132346_20220119T132628_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_20220119T132808_20220119T134241_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_20220119T134454_20220119T134954_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_20220119T135036_20220119T135141_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_20220119T135626_20220119T143013_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_20220119T145807_20220119T152243_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_20220119T152540_20220119T152912_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_20220119T152919_20220119T152928_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_20220119T153526_20220119T160435_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_20220119T162541_20220119T162618_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_20220119T163554_20220119T170143_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_20220119T170324_20220119T170826_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_20220119T171553_20220119T174939_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_20220119T181159_20220119T181714_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_20220119T183512_20220119T184118_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_20220119T184323_20220119T184859_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_20220119T185503_20220119T192811_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_20220119T194204_20220119T194301_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_20220119T200130_20220119T202040_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_20220119T202247_20220119T202755_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_20220119T203330_20220119T210803_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_20220119T213231_20220119T213652_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_20220119T213748_20220119T215525_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_20220119T221404_20220119T223031_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_20220119T223115_20220119T223350_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_20220119T223600_20220119T224313_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_20220119T230300_20220119T232101_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_20220119T232215_20220119T233602_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_20220119T234411_20220119T234610_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_20220119T235256_20220120T000830_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20220119T013532_20220119T013653_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20220119T035317_20220119T035416_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20220119T071759_20220119T071910_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

CS_OFFL_SIR_GOPN_2_20220119T073011_20220119T073014_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20220119T092103_20220119T092146_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20220119T102452_20220119T102626_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20220119T125635_20220119T125848_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20220119T152928_20220119T152934_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20220119T194044_20220119T194107_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_20220119T012148_20220119T012234_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPR_2_20220119T061520_20220119T061630_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_20220119T144304_20220119T144414_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_20220119T215526_20220119T220212_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPR_2_20220119T221229_20220119T221404_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

### L2 Quality Flags (20 Hz PLRM)

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

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

Number of products with errors:

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Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20220119T001549_20220119T001655_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_20220119T002834_20220119T003424_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_20220119T012234_20220119T012337_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_20220119T013532_20220119T013653_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_20220119T015015_20220119T015306_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_20220119T022052_20220119T022256_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_20220119T030653_20220119T031141_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_20220119T043126_20220119T043232_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_20220119T043903_20220119T043945_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_20220119T044138_20220119T044156_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_20220119T052940_20220119T053334_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_20220119T062859_20220119T063002_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

C3_OFF_SR_GOPF_2_20221191100422_20221191100420_C001  C4_OFF_SR_GOPF_2_20221191104022_20221191100400_C001  C5_OFF_SR_GOPF_2_20221191104022_20221191100400_C001  C5_OFF_SR_GOPF_2_20221191104022_20221191100400_C001  C6_OFF_SR_GOPF_2_20221191104022_20221191100400_C001  C6_OFF_SR_GOPF_2_20221191104022_20221191100400_C001  C6_OFF_SR_GOPF_2_20221191104022_20221191100400_C001  C6_OFF_SR_GOPF_2_20221191104022_20221191100400_C001  C6_OFF_SR_GOPF_2_20221191104000_C001  C6_OFF_SR_GOPF_2_20221191104000_C001  C6_OFF_SR_GOPF_2_20221191104000_C001  C6_OFF_SR_GOPF_2_20221191104000_C001  C6_OFF_SR_GOPF_2_20221191104000_C001  C6_OFF_SR_GOPF_2_20221191104000_C001  C6_OFF_SR_GOPF_2_20221191104000_C001  C6_OFF_SR_GOPF_2_202221191104000_C001  C6_OFF_SR_GOPF_2_202221191104000_C001  C6_OFF_SR_GOPF_2_202221191104000_C001  C6_OFF_SR_GOPF_2_202221191104000_C001  C6_OFF_SR_GOPF_2_202221191104000_C001  C6_OFF_SR_GOPF_2_202221191104000_C001  C6_OFF_SR_GOPF_2_202221191104000_C001  C6_OFF_SR_GOPF_2_202221191104000_C001  C6_OFF_SR_GOPF_2_2022211911104000_C001  C6_OFF_SR_GOPF_2_20222119111040000_C001  C6_OFF_SR_GOPF_2_20222119111040000_C001  C6_OFF_SR_GOPF_2_2022211911104000000000000000000000000000			
DOCS Altered Name   Case   C	CS_OFFL_SIR_GOPN_2_20220119T071759_20220119T071910_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
08_OFFL_SIR_GOPN_2_2020119T109183_0220119T109185_C001  OCG_Affined Flarys Duality PLINA.  OCG_Affined Flarys Duality PLIN	CS_OFFL_SIR_GOPN_2_20220119T075023_20220119T075201_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
Dec.   Column   Col	CS_OFFL_SIR_GOPN_2_20220119T084713_20220119T085125_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
Coco Altimater Range Calaby PLPM	CS_OFFL_SIR_GOPN_2_20220119T092103_20220119T092146_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20220119T103459_20220119T113683_C001  CS_OFFL_SIR_GOPN_2_20220119T103459_20220119T113683_C001  CS_OFFL_SIR_GOPN_2_20220119T113523_20220119T113683_C001  CS_OFFL_SIR_GOPN_2_20220119T113523_20220119T113683_C001  CS_OFFL_SIR_GOPN_2_20220119T113523_20220119T129S41_C001  CS_OFFL_SIR_GOPN_2_20220119T125243_20220119T129S41_C001  CS_OFFL_SIR_GOPN_2_20220119T13523_20220119T136423_C001  CCGO Altimeter Range Guality PLRM. CCGO Basic-scatter Coulty Altimeter Range and Basic-scatter Coulty Flags have been set for or more records.  CS_OFFL_SIR_GOPN_2_20220119T136423_20220119T136423_C001  CCGO Altimeter Range Guality PLRM. CCGO Altimeter Range Guality PLRM. CCGO Altimeter Range Guality PLRM. CCGO Altimeter Range and Basic-scatter Coulty Plags have been set for or more records.  CC_OFFL_SIR_GOPN_2_20220119T136423_20220119T136423_C001  CCGO Altimeter Range Guality PLRM. CCGO Basic-scatter Coulty Plags have been set for or more records.  CC_OFFL_SIR_GOPN_2_20220119T136423_20220119T136423_C001  CCGO Altimeter Range Guality PLRM. CCGO Basic-scatter Coulty Plags have been set for or more records.  CCGO Altimeter Range Guality PLRM. CCGO Basic-scatter Coulty Plags have been set for or more records.  CCGO Altimeter Range and Basic-scatter Coulty Plags have been set for or more records.  CCGO Altimeter Range Guality PLRM. CCGO Basic-scatter Coult	CS_OFFL_SIR_GOPN_2_20220119T093448_20220119T093535_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
OCOG Barbaceater Quality PLPM.	CS_OFFL_SIR_GOPN_2_20220119T093635_20220119T094035_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20220119T112529_20220119T1259G CO01  CS_OFFL_SIR_GOPN_2_20220119T12259_20220119T1259G CO01  CS_OFFL_SIR_GOPN_2_20220119T1259G 20220119T1259G CO01  CS_OFFL_SIR_GOPN_2_20220119T139G 20220119T139G CO01  CS_OFFL_SIR_GOPN_2_20220119T179G 20220119T179G CO01  CC_OFFL_SIR_GOP	CS_OFFL_SIR_GOPN_2_20220119T103450_20220119T103633_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20220119T122543_20220119T12534_C001  CS_OFFL_SIR_GOPN_2_20220119T122543_20220119T12544_C001  CS_OFFL_SIR_GOPN_2_20220119T125453_20220119T12544_C001  CS_OFFL_SIR_GOPN_2_20220119T125453_20220119T12544_C001  CS_OFFL_SIR_GOPN_2_20220119T125453_20220119T12544_C001  CS_OFFL_SIR_GOPN_2_20220119T125453_20220119T135452_C001  CS_OFFL_SIR_GOPN_2_20220119T134259_20220119T134453_C001  CS_OFFL_SIR_GOPN_2_20220119T134259_20220119T134453_C001  CS_OFFL_SIR_GOPN_2_20220119T134318_20220119T134453_C001  CS_OFFL_SIR_GOPN_2_20220119T134318_20220119T134454_C001  CS_OFFL_SIR_GOPN_2_20220119T134318_20220119T134434_C001  CS_OFFL_SIR_GOPN_2_20220119T134318_20220119T134532_C001  CS_OFFL_SIR_GOPN_2_20220119T134318_20220119T134532_C001  CS_OFFL_SIR_GOPN_2_20220119T135209_20220119T134314_C001  CS_OFFL_SIR_GOPN_2_20220119T135209_20220119T134334_C001  CS_OFFL_SIR_GOPN_2_20220119T135209_20220119T134334_C001  CS_OFFL_SIR_GOPN_2_20220119T135209_20220119T152539_C001  CS_OFFL_SIR_GOPN_2_20220119T175152_20220119T153530_C001  CS_OFFL_SIR_GOPN_2_20220119T175152_20220119T153530_C001  CS_OFFL_SIR_GOPN_2_20220119T175152_20220119T175332_C001  CS_OFFL_SIR_GOPN_2_20220119T175132_20220119T184332_C001  CCS_OFFL_SIR_GOPN_2_20220119T184209_20220119T184332_C001  CCS_OFFL_SIR_GOPN_2_20220119T184209_20220119T184332_C001  CCS_OFFL_SIR_GOPN_2_20220119T184209_20220119T184332_C001  CCS_OFFL_SIR_GOPN_2_20220119T184209_20220119T184332_C001  CCS_OFFL_SIR_GOPN_2_20220119T184209_20220119T184332_C001  CCS_OFFL_SIR_GOPN_2_20220119T184209_20220119T184332	CS_OFFL_SIR_GOPN_2_20220119T111258_20220119T111438_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20220119T125243_20220119T125541_C001  CS_OFFL_SIR_GOPN_2_20220119T125243_20220119T125541_C001  CS_OFFL_SIR_GOPN_2_20220119T125243_20220119T125541_C001  CS_OFFL_SIR_GOPN_2_20220119T125253_20220119T125543_C001  CS_OFFL_SIR_GOPN_2_20220119T134259_20220119T134453_C001  CS_OFFL_SIR_GOPN_2_20220119T134251_20220119T135622_C001  CS_OFFL_SIR_GOPN_2_20220119T134318_20220119T134430_C001  CS_OFFL_SIR_GOPN_2_20220119T134318_20220119T135622_C001  CS_OFFL_SIR_GOPN_2_20220119T135209_20220119T135539_C001  CS_OFFL_SIR_GOPN_2_20220119T135209_20220119T152539_C001  CS_OFFL_SIR_GOPN_2_20220119T152309_20220119T152539_C001  CS_OFFL_SIR_GOPN_2_20220119T17519_20220119T175300_C001  CS_OFFL_SIR_GOPN_2_20220119T182218_20220119T182351_C001  CS_OFFL_SIR_GOPN_2_20220119T182218_20220119T182351_C001  CCS_OFFL_SIR_GOPN_2_20220119T182218_20220119T182351_C001  CCS_OFFL_SIR_GOPN_2_20220119T182218_20220119T182351_C001  CCS_OFFL_SIR_GOPN_2_20220119T182218_20220119T182351_C001  CCS_OFFL_SIR_GOPN_2_20220119T182218_20220119T182351_C001  CCS_OFFL_SIR_GOPN_2_20220119T182218_20220119T182351_C001  CCS_OFFL_SIR_GOPN_2_20220119T182218_20220119T182351_C001  CCS_OFFL_SIR_GOPN_2_20220119T182218_20220119T182351_C001  CCS_OFFL_SIR_GOPN_2_20220119T182218_20220119T182351_C001  C	CS_OFFL_SIR_GOPN_2_20220119T113323_20220119T113330_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
OCG Backscatter Coustly  CS_OFFL_SIR_GOPN_2_20220119T12693_20220119T134453_CO01  CS_OFFL_SIR_GOPN_2_20220119T134259_20220119T134453_CO01  CS_OFFL_SIR_GOPN_2_20220119T134259_20220119T134453_CO01  CS_OFFL_SIR_GOPN_2_20220119T134259_20220119T134453_CO01  CS_OFFL_SIR_GOPN_2_20220119T134259_20220119T134453_CO01  CS_OFFL_SIR_GOPN_2_20220119T135142_20220119T135622_CO01  CS_OFFL_SIR_GOPN_2_20220119T135142_20220119T143712_CO01  Altimeter Range Coultily PLRM, OCCG Altimeter Range Roughly PLRM, OCCG Altimeter Ra	CS_OFFL_SIR_GOPN_2_20220119T121245_20220119T121503_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
and Backscatter Quality PLRM, COCG Altimeter Range and Backscatter Quality PLRM, COCG Altimeter Range and Backscatter Quality Plags have been set for on more records  CS_OFFL_SIR_GOPN_2_20220119T134459_00220119T134453_C001  CS_OFFL_SIR_GOPN_2_20220119T135142_00220119T135622_C001  CS_OFFL_SIR_GOPN_2_20220119T135142_00220119T135622_C001  CS_OFFL_SIR_GOPN_2_20220119T143318_00220119T143712_C001  CS_OFFL_SIR_GOPN_2_20220119T143318_00220119T143712_C001  CS_OFFL_SIR_GOPN_2_20220119T143318_00220119T143712_C001  CS_OFFL_SIR_GOPN_2_20220119T14231_00220119T14404_C001  CS_OFFL_SIR_GOPN_2_20220119T14231_00220119T14404_C001  CS_OFFL_SIR_GOPN_2_20220119T14231_00220119T14404_C001  CS_OFFL_SIR_GOPN_2_20220119T152309_00220119T152599_C001  CS_OFFL_SIR_GOPN_2_20220119T170152_20220119T170323_C001  CS_OFFL_SIR_GOPN_2_20220119T170152_20220119T170323_C001  CS_OFFL_SIR_GOPN_2_20220119T170152_20220119T170323_C001  CS_OFFL_SIR_GOPN_2_20220119T170152_20220119T170323_C001  CS_OFFL_SIR_GOPN_2_20220119T170152_20220119T175306_C001  CS_OFFL_SIR_GOPN_2_20220119T170152_20220119T175306_C001  CS_OFFL_SIR_GOPN_2_20220119T170152_20220119T175306_C001  CS_OFFL_SIR_GOPN_2_20220119T17519_20220119T175306_C001  CS_OFFL_SIR_GOPN_2_20220119T176302_0001  CS_OFFL_SIR_GOPN_2_20220119T182218_20220	CS_OFFL_SIR_GOPN_2_20220119T125243_20220119T125541_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
OCG Backscatter Quality PLRM. OCG Altimeter Range. SSHA. SWH and Backscatter Quality PLRM. OCG Altimeter Range Quality PLRM. OCG Altimeter Range SSHA. SWH and Backscatter Quality PLRM. OCG Altimeter Range Altimeter Quality PLRM. OCG Altimeter Range Altimeter Range SSHA. SWH and Backscatter Quality DCG B	CS_OFFL_SIR_GOPN_2_20220119T125635_20220119T125848_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
OCOG Backscatter Quality  CS_OFFL_SIR_GOPN_2_20220119T143318_20220119T143712_C001  CS_OFFL_SIR_GOPN_2_20220119T144231_20220119T144304_C001  Altimeter Range and Backscatter Quality PLRM  CS_OFFL_SIR_GOPN_2_20220119T152309_20220119T152539_C001  CS_OFFL_SIR_GOPN_2_20220119T1752309_20220119T152339_C001  CS_OFFL_SIR_GOPN_2_20220119T1752309_20220119T170323_C001  CS_OFFL_SIR_GOPN_2_20220119T170152_20220119T170323_C001  CS_OFFL_SIR_GOPN_2_20220119T170152_20220119T170323_C001  CS_OFFL_SIR_GOPN_2_20220119T170152_20220119T170323_C001  CS_OFFL_SIR_GOPN_2_20220119T170152_20220119T170323_C001  CS_OFFL_SIR_GOPN_2_20220119T170152_20220119T170323_C001  CS_OFFL_SIR_GOPN_2_20220119T170152_20220119T170323_C001  CS_OFFL_SIR_GOPN_2_20220119T170152_20220119T170323_C001  CS_OFFL_SIR_GOPN_2_20220119T170152_20220119T1700152_C001010010010010010010010010010010010010	CS_OFFL_SIR_GOPN_2_20220119T134259_20220119T134453_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20220119T143318_20220119T143712_C001  Altimeter Range and Backscatter Quality PLRM, COCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM and Backscatter Quality PLRM, COCG Altimeter Range and Backscatter Quality Plags have been set for one or more records  CS_OFFL_SIR_GOPN_2_20220119T184209_20220119T184323_C001  CS_OFFL_SIR_GOPN_2_20220119T184209_20220119T184323_C001  CS_OFFL_SIR_GOPN_2_20220119T184209_20220119T184323_C001  CS_OFFL_SIR_GOPN_2_20220119T193033_20220119T193055_C001  CS_OFFL_SIR_GOPN_2_20220119T193033_20220119T193055_C001  CS_OFFL_SIR_GOPN_2_20220119T193033_20220119T193055_C001  CS_OFFL_SIR_GOPN_2_20220119T193033_20220119T193055_C001  CS_OFFL_SIR_GOPN_2_20220119T193033_20220119T193055_C001  CS_OFFL_SIR_GOPN_2_20220119T193033_20220119T193055_C001  CS_OFFL_SIR_GOPN_2_202201	CS_OFFL_SIR_GOPN_2_20220119T135142_20220119T135622_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records  CS_OFFL_SIR_GOPN_2_20220119T152309_20220119T152539_C001  CS_OFFL_SIR_GOPN_2_20220119T170152_20220119T170323_C001  CS_OFFL_SIR_GOPN_2_20220119T170152_20220119T170323_C001  CS_OFFL_SIR_GOPN_2_20220119T170152_20220119T170323_C001  CS_OFFL_SIR_GOPN_2_20220119T170152_20220119T170323_C001  CS_OFFL_SIR_GOPN_2_20220119T175159_20220119T175121_C001  CS_OFFL_SIR_GOPN_2_20220119T175159_20220119T175121_C001  CS_OFFL_SIR_GOPN_2_20220119T175159_20220119T175121_C001  CS_OFFL_SIR_GOPN_2_20220119T175159_20220119T175306_C001  CS_OFFL_SIR_GOPN_2_20220119T182218_20220119T182551_C001  CS_OFFL_SIR_GOPN_2_20220119T182218_20220119T182551_C001  CS_OFFL_SIR_GOPN_2_20220119T182218_20220119T182551_C001  CS_OFFL_SIR_GOPN_2_20220119T182218_20220119T18255_C001  CS_OFFL_SIR_GOPN_2_20220119T182033_20220119T184323_C001  CS_OFFL_SIR_GOPN_2_20220119T182033_20220119T184323_C001  CS_OFFL_SIR_GOPN_2_20220119T182033_20220119T184323_C001  CS_OFFL_SIR_GOPN_2_20220119T182033_20220119T184323_C001  CS_OFFL_SIR_GOPN_2_20220119T184209_20220119T184323_C001  CS_OFFL_SIR_GOPN_2_20220119T184209_20220119T184323_C001  CS_OFFL_SIR_GOPN_2_20220119T184209_20220119T184323_C001  CS_OFFL_SIR_GOPN_2_20220119T184209_20220119T184323_C001  CS_OFFL_SIR_GOPN_2_20220119T184209_20220119T184323_C001  CS_OFFL_SIR_GOPN_2_20220119T184209_20220119T184323_C001  CS_OFFL_SIR_GOPN_2_20220119T184209_20220119T184323_C001  CS_OFFL_SIR_GOPN_2_20220119T184209_20220119T184323_C001  CS_OFFL_SIR_GOPN_2_20220119T193033_20220119T184323_C001  CS_OFFL_SIR_GOPN_2_20220119T184209_20220119T184323_C001  CS_OFFL_SIR_GOPN_2_20220119T193033_20220119T193055_C001  CS_OFFL_SIR_GOPN_2_20220119T193033_20220119T193055_C001  CS_OFFL_SIR_GOPN_2_20220119T193033_20220119T193055_C001  CS_OFFL_SIR_GOPN_2_20220119T193033_20220119T193055_C001  CS_OFFL_SIR_GOPN_2_20220119T193033_20220119T193055_C001  CS_OFFL_SIR_GOPN_2_20220119T193033_20220119T193055_C001  CS_OFFL_SIR_GOPN_2_20220119T193033_20220119T1930	CS_OFFL_SIR_GOPN_2_20220119T143318_20220119T143712_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20220119T152309_20220119T152539_C001  and Backscatter Quality PLRM, COCG Altimeter Range and Backscatter Quality Flags have be set for one or more records  Cs_OFFL_SIR_GOPN_2_20220119T170152_20220119T170323_C001  CS_OFFL_SIR_GOPN_2_20220119T174940_20220119T175121_C001  CS_OFFL_SIR_GOPN_2_20220119T175159_20220119T175306_C001  CS_OFFL_SIR_GOPN_2_20220119T175159_20220119T175306_C001  CS_OFFL_SIR_GOPN_2_20220119T182218_20220119T182551_C001  CS_OFFL_SIR_GOPN_2_20220119T182218_20220119T184323_C001  CS_OFFL_SIR_GOPN_2_20220119T182218_20220119T184323_C001  CS_OFFL_SIR_GOPN_2_20220119T184209_20220119T184323_C001  CS_OFFL_SIR_GOPN_2_20220119T184209_20220119T184	CS_OFFL_SIR_GOPN_2_20220119T144231_20220119T144304_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20220119T170152_20220119T170323_C001  and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, DCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Plags have be set for one or more records.	CS_OFFL_SIR_GOPN_2_20220119T152309_20220119T152539_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
OCOG Backscatter Quality  CS_OFFL_SIR_GOPN_2_20220119T175159_20220119T175306_C001  CS_OFFL_SIR_GOPN_2_20220119T182218_20220119T182551_C001  CS_OFFL_SIR_GOPN_2_20220119T182218_20220119T182551_C001  CS_OFFL_SIR_GOPN_2_20220119T182218_20220119T18233_C001  CS_OFFL_SIR_GOPN_2_20220119T184209_20220119T184323_C001  CS_OFFL_SIR_GOPN_2_20220119T184209_20220119T184323_C001  CS_OFFL_SIR_GOPN_2_20220119T184209_20220119T184323_C001  CS_OFFL_SIR_GOPN_2_20220119T184209_20220119T184323_C001  CS_OFFL_SIR_GOPN_2_20220119T184209_20220119T184323_C001  CS_OFFL_SIR_GOPN_2_20220119T184209_20220119T184323_C001  CS_OFFL_SIR_GOPN_2_20220119T184209_20220119T184323_C001  CS_OFFL_SIR_GOPN_2_20220119T193033_20220119T193055_C001  CS_OFFL_SIR_GOPN_2_20220119T193033_20220119T193055_C001  CS_OFFL_SIR_GOPN_2_20220119T193033_20220119T193055_C001  CS_OFFL_SIR_GOPN_2_20220119T193033_20220119T193055_C001	CS_OFFL_SIR_GOPN_2_20220119T170152_20220119T170323_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM  CS_OFFL_SIR_GOPN_2_20220119T182218_20220119T182551_C001  CS_OFFL_SIR_GOPN_2_20220119T184209_20220119T184323_C001  CS_OFFL_SIR_GOPN_2_20220119T184209_20220119T184323_C001  Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_GOPN_2_20220119T184209_20220119T184323_C001  CS_OFFL_SIR_GOPN_2_20220119T193033_20220119T193055_C001  Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_GOPN_2_20220119T193033_20220119T193055_C001  Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_GOPN_2_20220119T193033_20220119T193055_C001  Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_GOPN_2_20220119T193033_20220119T193055_C001  Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPN_2_20220119T174940_20220119T175121_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
OCOG Backscatter Quality  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM  Ocean Altimeter Range and Backscatter Quality PLRM  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records  CS_OFFL_SIR_GOPN_2_20220119T193033_20220119T193055_C001  OCOG Backscatter Quality  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records  Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records	CS_OFFL_SIR_GOPN_2_20220119T175159_20220119T175306_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality P	CS_OFFL_SIR_GOPN_2_20220119T182218_20220119T182551_C001	OCOG Altimeter Range Quality PLRM,	The OCOG Range and Backscatter Quality Flags have been set for one or more records
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records.	CS_OFFL_SIR_GOPN_2_20220119T184209_20220119T184323_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
	CS_OFFL_SIR_GOPN_2_20220119T193033_20220119T193055_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20220119T194855_20220119T194906_C001  OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality  The OCOG Range and Backscatter Quality Flags have been set for on more records	CS_OFFL_SIR_GOPN_2_20220119T194855_20220119T194906_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20220119T200020_20220119T200129_C001  OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for on more records	CS_OFFL_SIR_GOPN_2_20220119T200020_20220119T200129_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20220119T213652_20220119T213748_C001  OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality  The OCOG Range and Backscatter Quality Flags have been set for on more records	CS_OFFL_SIR_GOPN_2_20220119T213652_20220119T213748_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records

OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality  OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range and Backscatter Quality PLRM Ocog Altimeter Range and Backscatter Quality PLRM OCOG Altimeter Range and Backscatter Quality PLRM Ocog Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range and Backscatter Quality PLRM Ocog Altimeter Range and Backscatter Quality PLRM Ocoan Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range and Backscatter Quality PLRM Ocog Altimeter Range and Bac

CS_OFFL_SIR_GOPR_2_20220119T111933_20220119T112514_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_20220119T112529_20220119T112653_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_20220119T113023_20220119T113149_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_20220119T121504_20220119T121954_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_20220119T123429_20220119T123641_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_20220119T124734_20220119T124951_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_20220119T125848_20220119T130536_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_20220119T132629_20220119T132808_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_20220119T143713_20220119T144230_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_20220119T144304_20220119T144414_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_20220119T145730_20220119T145807_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_20220119T161528_20220119T162422_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_20220119T175307_20220119T180042_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_20220119T180108_20220119T180240_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_20220119T180255_20220119T180558_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_20220119T193056_20220119T193848_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_20220119T193848_20220119T194011_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_20220119T194035_20220119T194044_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_20220119T194416_20220119T194737_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_20220119T194944_20220119T195321_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_20220119T211115_20220119T211747_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_20220119T211747_20220119T213231_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_20220119T215526_20220119T220212_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_20220119T225222_20220119T225641_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_20220119T225641_20220119T225751_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_20220119T232102_20220119T232215_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records

Ocean Altimeter Range, SSHA, SWH

Ocean Altimeter Hange, Soria 3000

The Ocean Altimeter Ha

#### L2 Quality Flags (1 Hz & 1 Hz PLRM)

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

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

Number of products with errors:

#### 5.8 L2 Ocean Retracking Quality Check

#### L2 Retracking Flags (20 Hz)

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

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

Number of products with errors:

#### L2 Retracking Flags (20 Hz PLRM)

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

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

### 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 that are expected, due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues that may arise from this test.

- > ECMWF Meteo Corrections: Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric Corection, 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
- > 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: 29

<b>5</b>	l=	In
Product	Test Failed	Description
CS_OFFL_SIR_GOP_220220118T234647_20220119T003626_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_20220119T003626_20220119T012602_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_20220119T012602_20220119T021541_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_20220119T021541_20220119T030517_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_20220119T030517_20220119T035456_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_20220119T035456_20220119T044432_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_20220119T044432_20220119T053411_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	Topography height (solution 1), the Total Geocentric Ocean Tide height
CS_OFFL_SIR_GOP_2_20220119T053411_20220119T062346_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_20220119T062346_20220119T071325_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_20220119T071325_20220119T080301_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20220119T080301_20220119T085240_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_20220119T085240_20220119T094216_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records

CS_OFFL_SIR_GOP_2_20220119T094216_20220119T103155_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_20220119T103155_20220119T112130_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_20220119T112130_20220119T121109_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_20220119T121109_20220119T130045_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20220119T130045_20220119T135024_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_20220119T135024_20220119T144000_C001	Mean Sea Surrace (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Fauilibrium Long Period	Inere is an error with the MSS neight (solution 1), the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20220119T144000_20220119T152939_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_20220119T152939_20220119T161914_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_20220119T161914_20220119T170854_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_20220119T170854_20220119T175829_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_20220119T175829_20220119T184808_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_20220119T184808_20220119T193744_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_20220119T193744_20220119T202723_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_20220119T202723_20220119T211658_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20220119T211658_20220119T220637_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_20220119T220637_20220119T225613_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_20220119T225613_20220119T234552_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

#### 6.5 P2P Measurement Confidence Data Check

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 (20 Hz)

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

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

Number of products with errors:

## P2P Quality Flags (20 Hz PLRM)

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

Number of products with errors: 2

#### P2P Quality Flags (1 Hz & 1 Hz PLRM)

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

Number of products with errors:

#### 6.8 P2P Ocean Retracking Quality Check

## P2P Retracking Flags (20 Hz)

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

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

Number of products with errors: 28

#### 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.

30

Number of products with errors:

## 7. GOP QCC Report Analysis

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_GOPM1B	187	187	6	181	0
SIR_GOPR1B	133	133	0	133	0
SIR_GOPN1B	106	106	2	104	0
SIR_GOPM_2	187	187	132	55	0
SIR_GOPR_2	133	133	47	82	4
SIR_GOPN_2	106	106	46	60	0
SIR_GOP_P2P	29	29	0	26	3

# 7.1 QCC Errors

### Number of QCC reports with errors:

7

Total	number	of occu	rrences	of eac	h error

Product Type	KLOBOPNCDF	KL	KL	REOROPICOF	KL	KL	-	-	-	-	-
SIR GOPR 2	4	1	4	4	1	4					
									ı		
Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	

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

# 7.2 QCC Warnings

## Number of QCC reports with warnings

2170

#### Total number of occurrences of each warning

Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCI
SIR_GOPM1B	181	0	0	0	0	0	0
SIR_GOPM_2	0	0	41	41	1	41	0
SIR_GOPN1B	104	0	0	0	0	0	0
SIR_GOPN_2	0	0	9	30	7	21	22
SIR_GOPR1B	131	0	0	0	0	0	0
SIR GOPR 2	0	4	29	46	0	30	21

Product Type	RBSZOPOEPNCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNCE	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF	RPEPOPLRMNCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	37	36	0	0	0	0	31
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	12	0	0	21	0	32	0
SIR_GOPR1B	0	0	0	0	0	0	0
SIR_GOPR_2	11	0	44	0	52	0	0

Product Type	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF	RSWHOEPFDNCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	0	0	13	30	0	7	42
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	0	27	20	36	53	29	23
SIR_GOPR1B	0	0	0	0	0	0	0
SIR GOPR 2	45	0	6	62	23	12	31

Product Type	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHRTASCNSNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF	-
SIR_GOPM1B	0	0	0	0	0	0	
SIR_GOPM_2	0	6	0	0	0	0	
SIR_GOPN1B	0	0	0	0	44	1	
SIR_GOPN_2	26	13	1	0	0	0	
SIR_GOPR1B	0	0	0	0	133	7	
SIR_GOPR_2	42	3	0	7	0	0	

	Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCI	RBSZOPOEPNCDF
ſ	SIR GOP 2	15	27	28	6	29	16	28

Product Type	RPEPOPFDPLRMSINNCD	RPEPOPFDSINNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
SIR_GOP_2_	15	26	20	23	29	16	26
,		,	•	•	,	,	•

Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHLPQWNCDF	•	•	-
SIR_GOP_2_	29	17		29			

Test Description Key:						
Abbreviation	Test name	Details				
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter				
IOHHMOOR	IndexOf1Hzin20HzMappingOutOfRange	The mapping of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1)				
MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees				
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees				
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only				
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RBSZOPOEPFDPLRM NCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPFDPLRMSAR NCDF	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPFDPLRMSINN CDF	RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPFDSARNCDF	RangePeakinessExcludingPolarOPFD2SARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPFDSINNCDF	RangePeakinessExcludingPolarOPFD2SINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				

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

# 7.3 Missing QCC Reports

Number of products with missing QCC reports:

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