

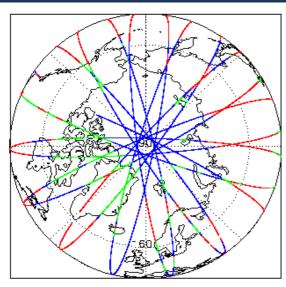
## 1. Overview

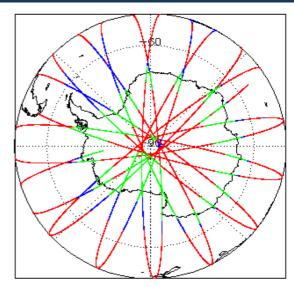
Report Production:	07-Jun-2022	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data	

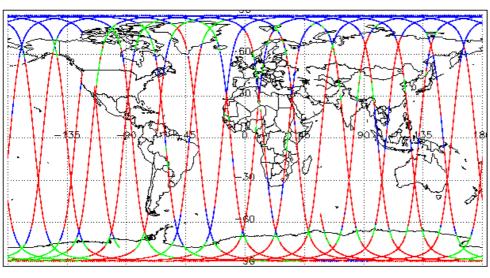
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary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

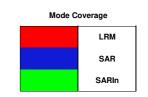
Mission / Instrument News	
28-Apr-2022	SIRAL unavailability 10:36:53 to 15:13:50 due to collision avoidence
29-Apr-2022	None
30-Apr-2022	Nothing planned

# 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:

### 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:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20220429T090234_20220429T093628_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

#### 4.6 L1B Waveform Group Data Check

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

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

Number of products with errors: 15

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20220429T032946_20220429T035207_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20220429T191648_20220429T192611_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20220429T202118_20220429T202518_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220429T030018_20220429T030139_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220429T044248_20220429T044652_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220429T080252_20220429T080504_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220429T194530_20220429T194705_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220429T212229_20220429T212820_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220429T112134_20220429T112908_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220429T112908_20220429T113143_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220429T130725_20220429T131220_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220429T161735_20220429T162404_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220429T180846_20220429T180922_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220429T193633_20220429T193834_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:

#### 5.2 L2 Product Header Analysis

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

Number of products with errors:

#### 5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

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.

Number of products with errors:

53

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20220429T110842_20220429T111002_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_20220429T131814_20220429T131913_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_20220429T195128_20220429T195217_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_20220429T231522_20220429T234303_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_20220429T003556_20220429T003950_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_20220429T021545_20220429T021858_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_20220429T030018_20220429T030139_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_20220429T035323_20220429T035738_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_20220429T040315_20220429T040440_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_20220429T044248_20220429T044652_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_20220429T054101_20220429T054246_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_20220429T071900_20220429T072120_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_20220429T080252_20220429T080504_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_20220429T084911_20220429T085112_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_20220429T085758_20220429T090234_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_20220429T093935_20220429T094328_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_20220429T102925_20220429T103157_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_20220429T103918_20220429T104102_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_20220429T121817_20220429T121953_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_20220429T135515_20220429T135833_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_20220429T152742_20220429T152902_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_20220429T153411_20220429T153722_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_20220429T170834_20220429T171115_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_20220429T171316_20220429T171847_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_20220429T180406_20220429T180846_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_20220429T184749_20220429T185025_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_20220429T194311_20220429T194420_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_20220429T194530_20220429T194705_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_20220429T212229_20220429T212820_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_20220429T220518_20220429T220706_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_20220429T221519_20220429T221742_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_20220429T230240_20220429T230650_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_GOPR_2_20220429T011630_20220429T011813_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_20220429T012722_20220429T013513_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_20220429T030542_20220429T031822_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_20220429T044652_20220429T045438_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_20220429T062549_20220429T063129_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_20220429T075449_20220429T075605_C001	Mean Dynamic Topography (1)	There is an error with the GPD Wet Tropospheric correction, the MSS height (solution 1) and tidal corrections for one or more records
CS_OFFL_SIR_GOPR_2_20220429T080504_20220429T081154_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_20220429T094328_20220429T094845_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_20220429T112134_20220429T112908_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_20220429T125925_20220429T130659_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_20220429T131615_20220429T131813_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_20220429T143708_20220429T144504_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_20220429T144504_20220429T144626_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_20220429T161735_20220429T162404_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_20220429T162404_20220429T162808_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_20220429T175839_20220429T180258_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_20220429T180258_20220429T180406_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_20220429T193633_20220429T193834_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_20220429T193834_20220429T194310_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_20220429T211605_20220429T212229_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_20220429T225752_20220429T230240_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:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20220429T090234_20220429T093628_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

## 5.6 L2 Measurement Quality Flag Check

### L2 Quality Flags (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_20220429T000620_20220429T003351_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_20220429T003950_20220429T004542_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_20220429T004718_20220429T010814_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_20220429T012445_20220429T012543_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

Description   Company	CS_OFFL_SIR_GOPM_2_20220429T013813_20220429T021254_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_OFF_SIR_COPM_2_20204297120392_20204297120392_2020  SofF_SIR_COPM_2_20204297120392_20204297120392_2020  CR_OFF_SIR_COPM_2_20204297120392_20204297120392_2020  CR_OFF_SIR_COPM_2_20204297120392_20204297120392_20	CS_OFFL_SIR_GOPM_2_20220429T021858_20220429T022414_C001		
CE_OFFL_SRIL_COPYL_2_1020429700109_2020429710392_C000  Allenter filtages and ballocation Custly. Through Sixth A Givent and State Control Custle filtage and Ballocation Custly. Through Custle filtage and Ballocation Custly. The Control Allenter Filtage and Ballocation Custly. The Control Allenter Filtage and Ballocation Custly. The Control Allenter Filtage and Ballocation Custly. Filtage filtage and Ballocation Custly. The Control Allenter Filtage and Ballocation Custly. The Control Allenter Filtage and Ballocation Custly. The Control Allenter Filtage and Ballocation Custly. Filtage filtage filtage filtage and Ballocation Custly. Filtage filtage filtage filtage filtage filtage filtage filtage filtage. All filtage filtage. All filtage filt	CS_OFFL_SIR_GOPM_2_20220429T022604_20220429T022856_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFF_SRI_COPM_2_2022049703182_2022049703182_000000000000000000000000000000000000	CS_OFFL_SIR_GOPM_2_20220429T023056_20220429T023336_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
## Baskcaster Quality COCO American Florage and Baskcaster Quality Flogs have been self core or more records    CS_OFFL_SRI_GOPM_2_202004697102346_20200469710401_0.0011   CS_OFFL_SRI_GOPM_2_202004697102346_20200469710401_0.0011   CS_OFFL_SRI_GOPM_2_202004697102346_20200469710401_0.0011   CS_OFFL_SRI_GOPM_2_20200469710401_0.0011   CS_OFFL_SRI_GOPM_2_202004697104102_0.0011   CS_OFFL_SRI_GOPM_2_202004697104102_0.0011   CS_OFFL_SRI_GOPM_2_202004697104102_	CS_OFFL_SIR_GOPM_2_20220429T030139_20220429T030542_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20020497109307_20220497169319_0001  CS_OFFL_SIR_GOPM_2_20020497109307_20220497169319_0001  CS_OFFL_SIR_GOPM_2_20020497109307_20220497169319_0001  CS_OFFL_SIR_GOPM_2_20020497104917_20220497169319_0001  CS_OFFL_SIR_GOPM_2_20020497104917_20220497169319_0001  CS_OFFL_SIR_GOPM_2_20020497104917_20220497169319_0001  CS_OFFL_SIR_GOPM_2_20020497104917_20220497169319_0001  CS_OFFL_SIR_GOPM_2_20020497104917_20220497169319_0001  CS_OFFL_SIR_GOPM_2_20020497104917_20220497169319_0001  CS_OFFL_SIR_GOPM_2_20020497104917_20220497169319_0001  CS_OFFL_SIR_GOPM_2_20020497104919_0001  CS_OFFL_SIR_GOPM_2_20020497104919_00001  CS_OFFL_SIR_GOPM_2_20020497104919_000000000000000000000000000000000	CS_OFFL_SIR_GOPM_2_20220429T031822_20220429T032700_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Caulity  CS_OFFL_SIR_GOPM_2_20220429T040817_2022429T041822_CO01  Backscatter Caulity  CS_OFFL_SIR_GOPM_2_20220429T040817_2022429T041822_CO01  CS_OFFL_SIR_GOPM_2_20220429T040011_2022449T042712_CO01  CS_OFFL_SIR_GOPM_2_20220429T040011_2022449T042712_CO01  CS_OFFL_SIR_GOPM_2_20220429T040011_2022449T042712_CO01  CS_OFFL_SIR_GOPM_2_20220429T040011_2022449T042712_CO01  CS_OFFL_SIR_GOPM_2_20220429T040001_2022449T04000000000000000000000000000000	CS_OFFL_SIR_GOPM_2_20220429T032946_20220429T035207_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and the OCOG Afferenter Range and Backscatter Quality Flags have been affected from the records of the property of the propert	CS_OFFL_SIR_GOPM_2_20220429T035907_20220429T040315_C001		
and Backscater Cuality, COCG CS_OFFL_SIR_GOPM_2_20220429T054829_20220429T053038_C001  CS_OFFL_SIR_GOPM_2_20220429T054829_20220429T053038_C001  CS_OFFL_SIR_GOPM_2_20220429T054829_20220429T053038_C001  CS_OFFL_SIR_GOPM_2_20220429T058299_20220429T053038_C001  CS_OFFL_SIR_GOPM_2_20220429T058299_20220429T053038_C001  CS_OFFL_SIR_GOPM_2_20220429T058299_20220429T054100_C001  CS_OFFL_SIR_GOPM_2_20220429T054891_20220429T054100_C001  CS_OFFL_SIR_GOPM_2_20220429T054891_20220429T054100_C001  CS_OFFL_SIR_GOPM_2_20220429T054991_20220429T054100_C001  CS_OFFL_SIR_GOPM_2_20220429T054991_20220429T054100_C001  CS_OFFL_SIR_GOPM_2_20220429T054991_20220429T054100_C001  CS_OFFL_SIR_GOPM_2_20220429T054991_20220429T054100_C001  CS_OFFL_SIR_GOPM_2_20220429T054991_20220429T054100_C001  CS_OFFL_SIR_GOPM_2_20220429T054090_20220429T054100_C001  CS_OFFL_SIR_GOPM_2_20220429T054090_20220429T054090_C001  CS_OFFL_SIR_GOPM_2_20220429T054090_20220429T054090_C001  CS_OFFL_SIR_GOPM_2_20220429T054090_20220429T054090_C001  CS_OFFL_SIR_GOPM_2_20220429T054090_20220429T054090_C001  CS_OFFL_SIR_GOPM_2_20220429T054090_20220429T054090_C001  CS_OFFL_SIR_GOPM_2_20220429T054090_20220429T074090_C001  CS_OFFL_SIR_GOPM_2_20220429T074178_20220429T071490_C001  CS_OFFL_SIR_GOPM_2_20220429T074718_20220429T071490_C001  CS_OFFL_SIR_GOPM_2_20220429T074718_20220429T071490_C001  CS_OFFL_SIR_GOPM_2_20220429T074718_20220429T071490_C001  CS_OFFL_SIR_GOPM_2_20220429T074718_20220429T071490_C001  CS_OFFL_SIR_GOPM_2_20220429T074718_20220429T071490_C001  CS_OFFL_SIR_GOPM_2_20220429T0747190_C001  CS_OFFL_SIR_GOPM_2_20220429T0747190_C001  CS_OFFL_SIR_GOPM_2_20220429T074256_20220429T074900_C001  CS_OFFL_SIR_GOPM_2_20220429T074256_20220429T074900_C001  CS_OFFL_SIR_GOPM_2_20220429T0747250_2001  CS_OFFL_SIR_GOPM_2_20220429T0747250_2001  CS_OFFL_SIR_GOPM_2_20220429T07456_20220429T074900_C001  CS_OFFL_SIR_GOPM_2_20220429T07456_20220429T074900_C001  CS_OFFL_SIR_GOPM_2_20220429T074756_20220429T074900_C001  CS_OFFL_SIR_GOPM_2_20220429T07456_20220429T074900_C001  CS_OFFL_SIR_GOPM_2_20220429T	CS_OFFL_SIR_GOPM_2_20220429T040517_20220429T041822_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_GOPM_2_20220429T053299_20220429T053759_C001  CS_OFFL_SIR_GOPM_2_20220429T053299_20220429T054100_C001  CS_OFFL_SIR_GOPM_2_20220429T053891_20220429T054100_C001  CS_OFFL_SIR_GOPM_2_20220429T054901_20220429T054100_C001  CS_OFFL_SIR_GOPM_2_20220429T054901_20220429T054100_C001  CS_OFFL_SIR_GOPM_2_20220429T054901_20220429T054000_C001  CS_OFFL_SIR_GOPM_2_20220429T054001_20220429T05400_C001  CS_OFFL_SIR_GOPM_2_20220429T054001_20220429T05400_C001  CS_OFFL_SIR_GOPM_2_20220429T054001_20220429T05520_C001  CS_OFFL_SIR_GOPM_2_20220429T054000_20220429T06520_C001  CS_OFFL_SIR_GOPM_2_20220429T07456_20220429T071000_C001  CS_OFFL_SIR_GOPM_2_20220429T071777_20220429T071658_C001  CS_OFFL_SIR_GOPM_2_20220429T071778_2020429T071608_C001  CS_OFFL_SIR_GOPM_2_20220429T071778_2020429T071789_C001  CS_OFFL_SIR_GOPM_2_20220429T071778_2020429T071789_C001  CS_OFFL_SIR_GOPM_2_20220429T071780_0000  CS_OFFL_SIR_GOPM_2_20220429T071780_00001  CS_OFFL_SIR_GOPM_2_20220429T071780_00001  CCS_OFFL_SIR_GOPM_2_20220429T071780_00001  CCS_OFFL_SIR_GOPM_2_20220429T071780_00001  CCS_OFFL_SIR_GOPM_2_20220429T071780_00001  CCS_OFFL_SIR_GOPM_2_20220429T071780_00001  CCS_OFFL_SIR_GOPM_2_20220429T071780_00001  CCS_OFFL_SIR_GOPM_2_20220429T071780_00001  CCS_OFFL_SIR_GOPM_2_20220429T071780_00001  CCS_OFFL_SIR_GOPM_2_20220429T071780_00001  CCS_OFFL_SIR_GOPM_2_20220429T071780_00001  CCS_OFFL_SIR_GOPM_2_20220429T0714266_20220429T073489_0001  CCS_OFFL_SIR_GOPM_2_20220429T074266_20220429T073489_000	CS_OFFL_SIR_GOPM_2_20220429T042010_20220429T042712_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality for one or more records  CS_OFFL_SIR_GOPM_2_20220429T053819_20220429T064100_C001  CS_OFFL_SIR_GOPM_2_20220429T064001_20220429T06131C001  CS_OFFL_SIR_GOPM_2_20220429T064001_20220429T061906_C001  CS_OFFL_SIR_GOPM_2_20220429T064002_20220429T061906_C001  CS_OFFL_SIR_GOPM_2_20220429T064002_20220429T061906_C001  CS_OFFL_SIR_GOPM_2_20220429T064002_20220429T06202_C001  CS_OFFL_SIR_GOPM_2_20220429T064002_20220429T06202_C001  CS_OFFL_SIR_GOPM_2_20220429T064002_20220429T06202_C001  CS_OFFL_SIR_GOPM_2_20220429T064002_20220429T06202_C001  CS_OFFL_SIR_GOPM_2_20220429T071772_20220429T071002_C001  CS_OFFL_SIR_GOPM_2_20220429T071772_20220429T071002_C001  CS_OFFL_SIR_GOPM_2_20220429T071772_20220429T071002_C001  CS_OFFL_SIR_GOPM_2_20220429T071772_20220429T071900_C001  CS_OFFL_SIR_GOPM_2_20220429T071772_20220429T075449_C001  CS_OFFL_SIR_GOPM_2_20220429T074258_20220429T075449_C001  CS_OFFL_SIR_GOPM_2_20220429T074258_20220429T075449_C001  CS_OFFL_SIR_GOPM_2_20220429T074258_20220429T075449_C001  CS_OFFL_SIR_GOPM_2_20220429T0708302_2020429T083123_C001  CS_OFFL_SIR_GOPM_2_20220429T08302_2020429T083123_C001  CS_OFFL_SIR_GOPM_2_20220429T08302_2020429T08483_C001  CS_OFFL_SIR_GOPM_2_20220429T08302_2020429T08483_C001  CS_OFFL_SIR_GOPM_2_20220429T08302_2020429T08483_C001  CS_OFFL_SIR_GOPM_2_20220429T08302_2020429T08483_C001  CS_OFFL_SIR_GOPM_2_20220429T08302_2020429T08483_C001  CS_OFFL_SIR_GOPM_2_20220429T08302_2020429T08483_C001  CS_OFFL_SIR_GOPM_2_20220429T0830	CS_OFFL_SIR_GOPM_2_20220429T045829_20220429T053038_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality  CS_OFFL_SIR_GOPM_2_20220429T06191_20220429T06196_C001  CS_OFFL_SIR_GOPM_2_20220429T060135_20220429T061966_C001  CS_OFFL_SIR_GOPM_2_20220429T060035_20220429T061966_C001  CS_OFFL_SIR_GOPM_2_20220429T060035_20220429T061966_C001  CS_OFFL_SIR_GOPM_2_20220429T060035_20220429T061966_C001  CS_OFFL_SIR_GOPM_2_20220429T060035_20220429T061966_C001  CS_OFFL_SIR_GOPM_2_20220429T060035_20220429T061966_C001  CS_OFFL_SIR_GOPM_2_20220429T060035_20200429T06520_C001  CS_OFFL_SIR_GOPM_2_20220429T060035_20220429T06520_C001  CS_OFFL_SIR_GOPM_2_20220429T060035_20200429T071002_C001  CS_OFFL_SIR_GOPM_2_20220429T065424_20220429T071002_C001  CS_OFFL_SIR_GOPM_2_20220429T071157_20220429T071002_C001  CS_OFFL_SIR_GOPM_2_20220429T071157_20220429T071658_C001  CS_OFFL_SIR_GOPM_2_20220429T071157_20220429T07129_C001  CS_OFFL_SIR_GOPM_2_20220429T071778_2020429T07129_C001  CS_OFFL_SIR_GOPM_2_20220429T071778_2020429T07129_C001  CS_OFFL_SIR_GOPM_2_20220429T071777_20220429T07129_C001  CS_OFFL_SIR_GOPM_2_20220429T071777_20220429T07129_C001  CS_OFFL_SIR_GOPM_2_20220429T071777_20220429T07129_C001  CS_OFFL_SIR_GOPM_2_20220429T071777_20220429T07129_C001  CS_OFFL_SIR_GOPM_2_20220429T071777_20220429T071900_C001  CS_OFFL_SIR_GOPM_2_20220429T071777_20220429T071900_C001  CS_OFFL_SIR_GOPM_2_20220429T071777_20220429T071900_C001  CS_OFFL_SIR_GOPM_2_20220429T071777_20220429T071900_C001  CS_OFFL_SIR_GOPM_2_20220429T071785_2000000000000000000000000000000000000	CS_OFFL_SIR_GOPM_2_20220429T053239_20220429T053759_C001		
and the OCOG Allimeter Range and Backscatter Quality Flags have been Set for one or more records  CS_OFFL_SIR_GOPM_2_20220429T065242_20220429T071002_C001  CS_OFFL_SIR_GOPM_2_20220429T07157_20220429T071002_C001  CS_OFFL_SIR_GOPM_2_20220429T07157_20220429T0710588_C001  CS_OFFL_SIR_GOPM_2_20220429T071157_20220429T071588_C001  CS_OFFL_SIR_GOPM_2_20220429T07178_20220429T071729_C001  CS_OFFL_SIR_GOPM_2_20220429T07178_20220429T071790_C001  CS_OFFL_SIR_GOPM_2_20220429T07178_20220429T071900_C001  CS_OFFL_SIR_GOPM_2_20220429T07178_20220429T071900_C001  CS_OFFL_SIR_GOPM_2_20220429T07178_20220429T071900_C001  CS_OFFL_SIR_GOPM_2_20220429T07178_20220429T071900_C001  CS_OFFL_SIR_GOPM_2_20220429T07178_20220429T073639_C001  CS_OFFL_SIR_GOPM_2_20220429T074256_20220429T075449_C001  CS_OFFL_SIR_GOPM_2_20220429T074256_20220429T075449_C001  CS_OFFL_SIR_GOPM_2_20220429T074256_20220429T075449_C001  CS_OFFL_SIR_GOPM_2_20220429T074256_20220429T075449_C001  CS_OFFL_SIR_GOPM_2_20220429T078302_C001  CS_OFFL_SIR_GOPM_2_20220429T078302_20201429T07849_C001  CS_OFFL_SIR_GOPM_2_20220429T07849_C001  CS_O	CS_OFFL_SIR_GOPM_2_20220429T053819_20220429T054100_C001		
and Backscatter Quality, COGG Altimeter Range and Backscatter Quality Flags have been at the COGG Altimeter Range and Backscatter Quality Flags have been Altimeter Range Altimeter Range and Backscatter Quality Flags have been Range Altimeter Range and Backscatter Quality Flags have been Range Altimeter Range Quality, COCG Backscatter Quality Flags have been Range Altimeter Range Range Range Quality, COCG Backscatter Quality Flags have been Range Range Range Quality, COCG Backscatter Quality Flags have been Range Range Quality, COCG Backscatter Quality Flags have been Range Ra	CS_OFFL_SIR_GOPM_2_20220429T054901_20220429T060131_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_20220429T071157_20220429T071002_C001  CS_OFFL_SIR_GOPM_2_20220429T071157_20220429T071658_C001  CS_OFFL_SIR_GOPM_2_20220429T071157_20220429T071729_C001  CS_OFFL_SIR_GOPM_2_20220429T071718_20220429T071729_C001  CS_OFFL_SIR_GOPM_2_20220429T071737_20220429T071729_C001  CS_OFFL_SIR_GOPM_2_20220429T071737_20220429T071790_C001  CS_OFFL_SIR_GOPM_2_20220429T071737_20220429T071900_C001  CS_OFFL_SIR_GOPM_2_20220429T071737_20220429T071900_C001  CS_OFFL_SIR_GOPM_2_20220429T071737_20220429T073639_C001  CS_OFFL_SIR_GOPM_2_20220429T072616_20220429T075449_C001  CS_OFFL_SIR_GOPM_2_20220429T074256_20220429T075449_C001  CS_OFFL_SIR_GOPM_2_20220429T074256_20220429T075449_C001  CS_OFFL_SIR_GOPM_2_20220429T074256_20220429T075449_C001  CS_OFFL_SIR_GOPM_2_20220429T074256_20220429T075449_C001  CS_OFFL_SIR_GOPM_2_20220429T074256_20220429T075449_C001  CS_OFFL_SIR_GOPM_2_20220429T074256_20220429T075449_C001  CS_OFFL_SIR_GOPM_2_20220429T083002_20220429T083123_C001  CS_OFFL_SIR_GOPM_2_20220429T083002_20220429T083123	CS_OFFL_SIR_GOPM_2_20220429T060135_20220429T061906_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_20220429T071157_20220429T071658_C001  CS_OFFL_SIR_GOPM_2_20220429T07118_20220429T071729_C001  CS_OFFL_SIR_GOPM_2_20220429T071737_20220429T071900_C001  CS_OFFL_SIR_GOPM_2_20220429T071737_20220429T071900_C001  CS_OFFL_SIR_GOPM_2_20220429T071737_20220429T071900_C001  CS_OFFL_SIR_GOPM_2_20220429T072616_20220429T073639_C001  CS_OFFL_SIR_GOPM_2_20220429T074256_20220429T075449_C001  CS_OFFL_SIR_GOPM_2_20220429T074256_20220429T075449_C001  CS_OFFL_SIR_GOPM_2_20220429T074256_20220429T075449_C001  CS_OFFL_SIR_GOPM_2_20220429T074256_20220429T075449_C001  CS_OFFL_SIR_GOPM_2_20220429T074256_20220429T075449_C001  CS_OFFL_SIR_GOPM_2_20220429T074256_20220429T075449_C001  CS_OFFL_SIR_GOPM_2_20220429T074256_20220429T075449_C001  CS_OFFL_SIR_GOPM_2_20220429T074256_20220429T075449_C001  CS_OFFL_SIR_GOPM_2_20220429T083002_20220429T083123_C001  CS_OFFL_SIR_GOPM_2_20220429T083022_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T083424_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T083424_20220429T084853_	CS_OFFL_SIR_GOPM_2_20220429T064009_20220429T065220_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality  CS_OFFL_SIR_GOPM_2_20220429T071718_20220429T071729_C001  Backscatter Quality  CS_OFFL_SIR_GOPM_2_20220429T071737_20220429T071900_C001  CS_OFFL_SIR_GOPM_2_20220429T071737_20220429T071900_C001  CS_OFFL_SIR_GOPM_2_20220429T072616_20220429T073639_C001  CS_OFFL_SIR_GOPM_2_20220429T072616_20220429T073639_C001  CS_OFFL_SIR_GOPM_2_20220429T074256_20220429T075449_C001  CS_OFFL_SIR_GOPM_2_20220429T074256_20220429T075449_C001  CS_OFFL_SIR_GOPM_2_20220429T074256_20220429T075449_C001  CS_OFFL_SIR_GOPM_2_20220429T083002_20220429T083123_C001  CS_OFFL_SIR_GOPM_2_20220429T083002_20220429T083123_C001  CS_OFFL_SIR_GOPM_2_20220429T083424_20220429T084853_C001  CS_OFFL_S	CS_OFFL_SIR_GOPM_2_20220429T065424_20220429T071002_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality  CS_OFFL_SIR_GOPM_2_20220429T071737_20220429T071900_C001  CS_OFFL_SIR_GOPM_2_20220429T072616_20220429T073639_C001  CS_OFFL_SIR_GOPM_2_20220429T072616_20220429T073639_C001  CS_OFFL_SIR_GOPM_2_20220429T072616_20220429T073639_C001  CS_OFFL_SIR_GOPM_2_20220429T074256_20220429T075449_C001  CS_OFFL_SIR_GOPM_2_20220429T074256_20220429T075449_C001  CS_OFFL_SIR_GOPM_2_20220429T083002_20220429T083123_C001  CS_OFFL_SIR_GOPM_2_20220429T083002_20220429T083123_C001  CS_OFFL_SIR_GOPM_2_20220429T083022_20220429T083123_C001  CS_OFFL_SIR_GOPM_2_20220429T083022_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T083424_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T085112_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T085112_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T085112_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T085112_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T085112_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T085112_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T085112_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T085112_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T08	CS_OFFL_SIR_GOPM_2_20220429T071157_20220429T071658_C001		
Backscatter Quality  CS_OFFL_SIR_GOPM_2_20220429T072616_20220429T073639_C001  CS_OFFL_SIR_GOPM_2_20220429T072616_20220429T073639_C001  CS_OFFL_SIR_GOPM_2_20220429T074256_20220429T075449_C001  CS_OFFL_SIR_GOPM_2_20220429T074256_20220429T075449_C001  CS_OFFL_SIR_GOPM_2_20220429T083002_20220429T083123_C001  CS_OFFL_SIR_GOPM_2_20220429T083002_20220429T083123_C001  CS_OFFL_SIR_GOPM_2_20220429T083002_20220429T083123_C001  CS_OFFL_SIR_GOPM_2_20220429T083424_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20	CS_OFFL_SIR_GOPM_2_20220429T071718_20220429T071729_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been  CS_OFFL_SIR_GOPM_2_20220429T074256_20220429T075449_C001  CS_OFFL_SIR_GOPM_2_20220429T083002_20220429T083123_C001  CS_OFFL_SIR_GOPM_2_20220429T083002_20220429T083123_C001  CS_OFFL_SIR_GOPM_2_20220429T083022_20220429T083123_C001  CS_OFFL_SIR_GOPM_2_20220429T083022_20220429T083123_C001  CS_OFFL_SIR_GOPM_2_20220429T083424_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T083424_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T083424_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T083424_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T083424_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T083424_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T083424_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T085112_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T085112_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T085112_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T083424_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T083424_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T083424_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T083424_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T083424_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T083424_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T083424_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T085112_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T085112_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T085112_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T085112_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T085112_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T085112_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T085112_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T085112_20220429T085698_C001	CS_OFFL_SIR_GOPM_2_20220429T071737_20220429T071900_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Set for one or more records  CS_OFFL_SIR_GOPM_2_20220429T083002_20220429T083123_C001  CS_OFFL_SIR_GOPM_2_20220429T083002_20220429T083123_C001  CS_OFFL_SIR_GOPM_2_20220429T083424_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T083424_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T083424_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T083424_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T083424_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T083424_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T085112_20220429T085609_C001  CS_OFFL_SIR_GOPM_2_20220429T085112_20220429T085809_C001	CS_OFFL_SIR_GOPM_2_20220429T072616_20220429T073639_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_20220429T083424_20220429T084853_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_20220429T083424_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T083424_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T083424_20220429T084853_C001  CS_OFFL_SIR_GOPM_2_20220429T085112_20220429T085609_C001  CS_OFFL_SIR_GOPM_2_20220429T085112_20220429T085809_C001  CS_OFFL_SIR_GOPM_2_20220429T085112_20220429T085809_C001	CS_OFFL_SIR_GOPM_2_20220429T074256_20220429T075449_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20220429T083424_20220429T084853_C001  and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_GOPM_2_20220429T083424_20220429T084853_C001  and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set occords  The OCOG Altimeter Range and Backscatter Quality Flags have been set occords	CS_OFFL_SIR_GOPM_2_20220429T083002_20220429T083123_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_GOPM_2_20220429T083424_20220429T084853_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and the control of th	CS_OFFL_SIR_GOPM_2_20220429T085112_20220429T085609_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_20220429T085651_20220429T085758_C001  OCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPM_2_20220429T085651_20220429T085758_C001		

CS_OFFL_SIR_GOPM_2_20220429T090234_20220429T093628_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_20220429T095933_20220429T100023_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_20220429T100423_20220429T102545_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_20220429T102600_20220429T102831_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_20220429T103157_20220429T103527_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_20220429T104137_20220429T110840_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_20220429T110842_20220429T111002_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_20220429T114235_20220429T120800_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_20220429T120940_20220429T121442_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_20220429T121449_20220429T121817_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_20220429T122142_20220429T125603_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_20220429T132148_20220429T132300_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_20220429T132302_20220429T132833_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_20220429T134129_20220429T134744_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_20220429T134940_20220429T135515_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_20220429T140059_20220429T143439_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_20220429T150745_20220429T152700_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_20220429T152902_20220429T153411_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_20220429T154008_20220429T161417_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_20220429T164404_20220429T170142_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_20220429T170443_20220429T170507_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_20220429T172021_20220429T173556_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_20220429T173715_20220429T173756_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_20220429T174217_20220429T174920_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_20220429T180922_20220429T182709_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_20220429T183019_20220429T184226_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_20220429T185025_20220429T185226_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_20220429T185334_20220429T185728_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_20220429T185920_20220429T191446_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_20220429T191648_20220429T192611_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_20220429T194420_20220429T194530_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_20220429T195353_20220429T200511_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_20220429T202118_20220429T202518_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_20220429T202832_20220429T203631_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_20220429T203847_20220429T205354_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_20220429T213045_20220429T214049_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_20220429T214052_20220429T220433_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_20220429T220707_20220429T220916_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_20220429T220941_20220429T221519_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_20220429T221807_20220429T224308_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_20220429T225341_20220429T225345_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_20220429T231522_20220429T234303_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_20220429T234917_20220429T235353_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_20220429T235451_20220429T235511_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_20220429T235650_20220430T002528_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_20220429T071900_20220429T072120_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_20220429T012133_20220429T012149_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_20220429T053812_20220429T053819_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_20220429T054246_20220429T054538_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_20220429T075745_20220429T075905_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_20220429T170507_20220429T170834_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

> OCOG Altimeter Range and Backscatter PLRM Quality Flags: These flags are currently set for occasional records over continental ice.

Number of products with errors:

92

Product	Test Failed	Description
. 104401	Ocean Altimeter Range, SSHA, SWH	·
CS_OFFL_SIR_GOPN_2_20220429T003556_20220429T003950_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20220429T004542_20220429T004708_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_20220429T012149_20220429T012302_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_20220429T012630_20220429T012648_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_20220429T025635_20220429T025826_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_20220429T035323_20220429T035738_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_20220429T044248_20220429T044652_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_20220429T053109_20220429T053238_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_20220429T071900_20220429T072120_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_20220429T073639_20220429T073745_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_20220429T074006_20220429T074046_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_20220429T080252_20220429T080504_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_20220429T093935_20220429T094328_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_20220429T095822_20220429T095933_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_20220429T100023_20220429T100348_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_20220429T102925_20220429T103157_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_20220429T103918_20220429T104102_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_20220429T113146_20220429T113302_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_20220429T120810_20220429T120940_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_20220429T132834_20220429T133208_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_20220429T134825_20220429T134940_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_20220429T135515_20220429T135833_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_20220429T144922_20220429T145035_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_20220429T145527_20220429T145604_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_20220429T152742_20220429T152902_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_20220429T153411_20220429T153722_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_20220429T170834_20220429T171115_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_20220429T171316_20220429T171847_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_20220429T175809_20220429T175838_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_20220429T185226_20220429T185334_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_20220429T192611_20220429T192900_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_20220429T203631_20220429T203820_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_20220429T210333_20220429T210719_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_20220429T212229_20220429T212820_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_20220429T220518_20220429T220706_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_20220429T224308_20220429T224417_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_20220429T225208_20220429T225228_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_20220429T225718_20220429T225751_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_20220429T230240_20220429T230650_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_20220429T230735_20220429T230858_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_20220429T231011_20220429T231441_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_20220429T234448_20220429T234629_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_20220429T011630_20220429T011813_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_20220429T012722_20220429T013513_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_20220429T021254_20220429T021544_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_20220429T025434_20220429T025634_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_20220429T030542_20220429T031822_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_20220429T035207_20220429T035323_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_20220429T044652_20220429T045438_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_20220429T045542_20220429T045555_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_20220429T045600_20220429T045651_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_20220429T054246_20220429T054538_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_20220429T062549_20220429T063129_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_20220429T065220_20220429T065424_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_20220429T072120_20220429T072529_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_20220429T072530_20220429T072616_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_20220429T075449_20220429T075605_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_20220429T080201_20220429T080251_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_20220429T080504_20220429T081154_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_20220429T082537_20220429T083001_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_20220429T094328_20220429T094845_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_20220429T094918_20220429T095035_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_20220429T100348_20220429T100423_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_20220429T112134_20220429T112908_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_20220429T125925_20220429T130659_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_20220429T130725_20220429T131220_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_20220429T131615_20220429T131813_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_20220429T131934_20220429T131952_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_20220429T135834_20220429T140059_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_20220429T143708_20220429T144504_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_20220429T144504_20220429T144626_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_20220429T145043_20220429T145402_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_20220429T145604_20220429T145933_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_20220429T153722_20220429T154007_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_20220429T161647_20220429T161733_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_20220429T161735_20220429T162404_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_20220429T162404_20220429T162808_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_20220429T170507_20220429T170834_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_20220429T171847_20220429T172020_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_20220429T173756_20220429T174217_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_20220429T175839_20220429T180258_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_20220429T180258_20220429T180406_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_20220429T184226_20220429T184749_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_20220429T193633_20220429T193834_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_20220429T193834_20220429T194310_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_20220429T194705_20220429T195128_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_20220429T205625_20220429T210004_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records

#### L2 Quality Flags (1 Hz & 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.

Number of products with errors: 14

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

Number of products with errors

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220220428T235056_20220429T004035_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_220220429T004035_20220429T013011_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_220220429T013011_20220429T021949_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_20220429T021949_20220429T030925_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_20220429T030925_20220429T035904_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_20220429T035904_20220429T044840_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_20220429T044840_20220429T053818_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_220220429T053818_20220429T062755_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_20220429T062755_20220429T071733_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_20220429T071733_20220429T080709_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_20220429T080709_20220429T085648_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_20220429T085648_20220429T094624_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_220220429T094624_20220429T103603_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_220220429T103603_20220429T112539_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_220220429T112539_20220429T121517_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_220220429T121517_20220429T130453_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_220220429T130453_20220429T135432_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_220220429T135432_20220429T144408_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_220220429T144408_20220429T153347_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_20220429T153347_20220429T162323_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_20220429T162323_20220429T171301_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_20220429T171301_20220429T180237_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_20220429T180237_20220429T185216_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_20220429T185216_20220429T194152_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_20220429T194152_20220429T203130_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_20220429T203130_20220429T212107_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_20220429T212107_20220429T221045_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_20220429T221045_20220429T230021_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_220220429T230021_20220429T235000_C002	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

## 6.5 P2P Measurement Confidence Data Check

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220220429T085648_20220429T094624_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

#### 6.6 P2P Measurement Quality Flag Check

#### P2P Quality Flags (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:

30

#### 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

30

#### 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:

30

## 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.

Number of products with errors:

30