

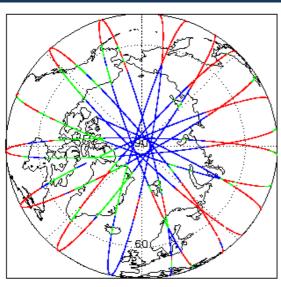
## 1. Overview

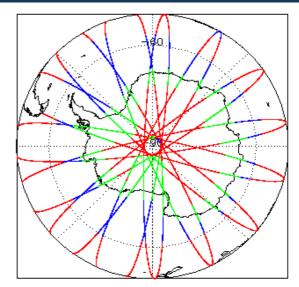
Report Production:	10-Aug-2022	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data	

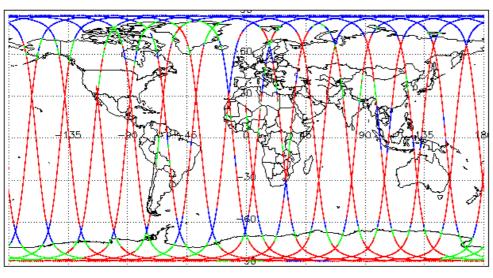
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary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

Miss	ion / Instru	ment News
10-	-Jul-2022	None
11-	-Jul-2022	None
12-	-Jul-2022	Nothing planned

# 2. Global Coverage









## 3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

# 4. GOP Level 1B Data Quality Check

### 4.1 L1B Product Format Check

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

#### 4.2 L1B Product Header Analysis

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

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

Number of products with errors:

#### 4.3 L1B Auxilary Data File Usage Check

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

Number of products with errors:

0

#### 4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

0

## 4.5 L1B Measurement Confidence Data Check

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20220711T040322_20220711T041817_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_GOPM1B_20220711T220550_20220711T221145_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_GOPM1B_20220711T222636_20220711T222759_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:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20220711T031449_20220711T032943_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220711T010130_20220711T010218_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220711T010622_20220711T010718_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220711T024521_20220711T024615_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220711T041926_20220711T042224_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220711T042402_20220711T042530_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220711T060914_20220711T060947_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220711T101742_20220711T101857_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220711T112702_20220711T112811_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220711T133339_20220711T133908_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220711T160336_20220711T160446_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220711T160602_20220711T160751_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220711T174256_20220711T174756_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220711T182541_20220711T182730_C001	Loss of Echo	The tracking echo is missing for one or more records

## 5. GOP Level 2 Data Quality Check

#### 5.1 L2 Product Format Check

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

Number of products with errors:

0

#### 5.2 L2 Product Header Analysis

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

Number of products with errors:

0

#### 5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

0

#### 5.4 L2 Auxiliary Correction Error Check

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

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

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

Product	Test Failed	Description
		There is an error with the Mean Dynamic Topography (solution 1) for one
CS_OFFL_SIR_GOPM_2_20220711T052434_20220711T055652_C001	Mean Dynamic Topography (1)	or more records
CS_OFFL_SIR_GOPM_2_20220711T055918_20220711T060001_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_20220711T072831_20220711T073051_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_20220711T130430_20220711T132206_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_20220711T160851_20220711T162557_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_20220711T193556_20220711T193732_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_20220711T001353_20220711T001804_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T002338_20220711T002504_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T010622_20220711T010718_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_20220711T020130_20220711T020313_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T024521_20220711T024615_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T033925_20220711T034143_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T041926_20220711T042224_C001	Total Geocentric Ocean Tide (GOT)	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20220711T042402_20220711T042530_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_20220711T050939_20220711T051133_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_20220711T051821_20220711T052302_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_20220711T060001_20220711T060355_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T064949_20220711T065220_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T065941_20220711T070126_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T100849_20220711T101003_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_20220711T101742_20220711T101857_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T114804_20220711T114926_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T115435_20220711T115745_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_20220711T132853_20220711T133137_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T133339_20220711T133908_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T142434_20220711T142903_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T150814_20220711T151050_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T160336_20220711T160446_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T160602_20220711T160751_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20220711T174256_20220711T174756_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T182541_20220711T182730_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_20220711T183545_20220711T183807_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T192300_20220711T192719_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_20220711T214516_20220711T214851_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T232436_20220711T232756_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T010718_20220711T011508_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T024615_20220711T025157_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T042531_20220711T043227_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the GPD Wet Tropospheric correction, the MSS height (solution 1) and tidal corrections for one or more records
CS_OFFL_SIR_GOPR_2_20220711T060355_20220711T060913_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T060947_20220711T061055_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_20220711T074210_20220711T075209_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T091949_20220711T092725_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T093644_20220711T093841_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_20220711T105839_20220711T110530_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T110530_20220711T110654_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T123714_20220711T124430_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T124430_20220711T124710_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T141713_20220711T141833_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_20220711T141905_20220711T142323_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T142323_20220711T142434_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T155653_20220711T155938_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_20220711T155938_20220711T160336_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T173640_20220711T174255_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T191819_20220711T192300_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T205559_20220711T210503_C001	Mean Sea Surface (1), Mean Dynamic Topography (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_20220711T040322_20220711T041816_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOPM_2_20220711T220550_20220711T221145_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOPM_2_20220711T222636_20220711T222759_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:

87

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20220710T235013_20220711T001124_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

COCO Altrinois Place and Beloncetor Caushy Flags have been all broaders (Caushy Flags		1	
Subscience Caulty  Comment (1997)  Comment (19	CS_OFFL_SIR_GOPM_2_20220711T001804_20220711T001924_C001		
Col. Child. 50   Col. Child. 1985   20000711700344   20000711700345   20	CS_OFFL_SIR_GOPM_2_20220711T001931_20220711T002338_C001		
Section	CS_OFFL_SIR_GOPM_2_20220711T002844_20220711T003845_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
So CREL SIR GOPM 2 20207111015882 2020711101000 COST  CREATED GOPM 2 2020711101588 2020711101000 COST  CREATED GOPM 2 202071110158 2020711101000 COST  CREATED GOPM 2 202071110158 2020711102000 COST  CREATED GOPM 2 202071110158 2020711102000 COST  CREATED GOPM 2 2020711101000 COST  CREATED GOPM 2	CS_OFFL_SIR_GOPM_2_20220711T004033_20220711T004743_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CR. OFFL. SIR. GOPPL. 2. 20229711101509_2022971101509_20229711101509_20229711101509_20229711101509_20229711101509_20229711101509_20229711101509_20229711101509_20229711101509_20229711101509_20229711101509_20229711101509_20229711101509_20229711101509_20229711101509_20229711101509_20229711101509_2022971110	CS_OFFL_SIR_GOPM_2_20220711T004828_20220711T005308_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Sacketter Coulty  Court Alterior Results (SSH, 5994)  Court Alteri	CS_OFFL_SIR_GOPM_2_20220711T011508_20220711T015017_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
05.0FFL.SIR_OOPML_2.0220711T09394_00201   05.0FFL.SIR_OOPML_2.022071T09394_00201   05.0FFL.SIR_OOPML_2.022071T09394_00201   05.0FFL.SIR_OOPML_2.022071T00012_022071T09394_00201   05.0FFL.SIR_OOPML_2.022071T00012_022071T09394_00201   05.0FFL.SIR_OOPML_2.022071T00012_022071T09394_00201   05.0FFL.SIR_OOPML_2.022071T00012_022071T09394_00201   05.0FFL.SIR_OOPML_2.022071T00012_022071T09394_00201   05.0FFL.SIR_OOPML_2.022071T000012_022071T000012_002071T0000012_002071T000012_002071T0000012_002071T0000012_002071T0000012_002071T0000012_002071T0000012_	CS_OFFL_SIR_GOPM_2_20220711T015306_20220711T015823_C001		
and Backscatter Caulity CoCo Altereder Range and Backscatter Caulity Flags have been self- common and the CoCo Altereder Range and Backscatter Caulity Flags have been self- common and the Coco Altereder Range and Backscatter Caulity Flags have been self- common and the Coco Altereder Range and Backscatter Caulity Flags have been self- common and the Coco Altereder Range and Backscatter Caulity Flags have been self- common and the Coco Altereder Range and Backscatter Caulity Flags have been self- common and the Coco Altereder Range and Backscatter Caulity Flags have been self- common and the Coco Altereder Range and Backscatter Caulity Flags have been self- common and the Coco Altereder Range and Backscatter Caulity Flags have been self- common and the Coco Altereder Range and Backscatter Caulity Flags have been self- common and the Coco Altereder Range and Backscatter Caulity Flags have been self- common and the Coco Altereder Range and Backscatter Caulity Flags have been self- common and the Coco Altereder Range and Backscatter Caulity Flags have been self- common and the Coco Altereder Range and Backscatter Caulity Flags have been self- common and the Coco Altereder Range and Backscatter Caulity Flags have been self- common and the Coco Altereder Range and Backscatter Caulity Flags have been self- common and the Coco Altereder Range and Backscatter Caulity Flags have been self- common and the Coco Altereder Range and Backscatter Caulity Flags have been self- common and the Coco Altereder Range and Backscatter Caulity Flags have been self- common and the Coco Altereder Range and Backscatter Caulity Flags have been self- common and the Coco Altereder Range and Backscatter Caulity Flags have been self- common and the Coco Altereder Range and Backscatter Caulity Flags have been self- common and the Coco Altereder Range and Backscatter Caulity Flags have been self- common and the Coco Altereder Range and Backscatter Caulity Flags have been self- common and the Coco Altereder Range and Backscatter Caulity Flags hav	CS_OFFL_SIR_GOPM_2_20220711T020924_20220711T023940_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and the OCOS Affenter Flange and Backscatter Quality Flags have been Affenter Flange and Backscatter Quality Flags have been Affenter Flange and Backscatter Quality Flags have been set for one or more records.  Sp. OFFL_SIR_OOPM_2_20220711T031449_20220711T032945_C001  Sp. OFFL_SIR_OOPM_2_20220711T033201_20220711T033225_C001  Sp. OFFL_SIR_OOPM_2_20220711T033201_20220711T033225_C001  Sp. OFFL_SIR_OOPM_2_20220711T033201_20220711T033225_C001  Sp. OFFL_SIR_OOPM_2_20220711T033201_20220711T033225_C001  Sp. OFFL_SIR_OOPM_2_20220711T033201_20220711T033225_C001  Sp. OFFL_SIR_OOPM_2_2022071T033201_20220711T033225_C001  Sp. OFFL_SIR_OOPM_2_2022071T033201_2022071T033225_C001  Sp. OFFL_SIR_OOPM_2_2022071T033201_2022071T033225_C001  Sp. OFFL_SIR_OOPM_2_2022071T034052_2022071T045016_C001  Sp. OFFL_SIR_OOPM_2_2022071T045022_2022071T045016_C001  Sp. OFFL_SIR_OOPM_2_2022071T045022_2022071T050402_202	CS_OFFL_SIR_GOPM_2_20220711T025337_20220711T025945_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, DOOG Specific SIR, GOPM_2_202207117033220_202207117033721_C0011  OOG Alterneter Range Quality, DOOG Specific SIR, GOPM_2_202207117033220_202207117033721_C0011  OOG Alterneter Range Quality, DOOG Specific SIR, GOPM_2_202207117033201_202207117033721_C0011  OOG Alterneter Range Quality, DOOG Specific SIR, GOPM_2_202207117033721_C0011  OOG Alterneter Range Quality, DOOG Specific SIR, GOPM_2_202207117034645_202207117035702_C0011  OOG Alterneter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more room or more	CS_OFFL_SIR_GOPM_2_20220711T030012_20220711T031245_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_202207117043801_202207117033925_C001  CS_OFFL_SIR_GOPM_2_202207117040382_202207117041816_C001  CS_OFFL_SIR_GOPM_2_202207117040382_202207117041816_C001  CS_OFFL_SIR_GOPM_2_202207117040382_20220711704816_C001  CS_OFFL_SIR_GOPM_2_202207117040382_20220711704816_C001  CS_OFFL_SIR_GOPM_2_202207117040382_20220711704816_C001  CS_OFFL_SIR_GOPM_2_202207117040382_20220711704816_C001  CS_OFFL_SIR_GOPM_2_202207117040382_20220711704816_C001  CS_OFFL_SIR_GOPM_2_202207117040382_20220711704816_C001  CS_OFFL_SIR_GOPM_2_202207117040382_20220711704816_C001  CS_OFFL_SIR_GOPM_2_202207117040382_20220711704816_C001  CS_OFFL_SIR_GOPM_2_202207117040382_20220711704816_C001  CS_OFFL_SIR_GOPM_2_202207117045449_20220711705819_C001  CS_OFFL_SIR_GOPM_2_202207117045449_20220711705819_C001  CS_OFFL_SIR_GOPM_2_202207117045449_20220711705819_C001  CS_OFFL_SIR_GOPM_2_202207117051659_202207117051633_C001  CS_OFFL_SIR_GOPM_2_202207117051659_202207117051659_C001  CS_OFFL_SIR_GOPM_2_202207117051659_202207117051708_C001  CS_OFFL_SIR_GOPM_2_202207117054049_20220711705405650_C001  CS_OFFL_SIR_GOPM_2_202207117054048_20220711705405650_C001  CS_OFFL_SIR_GOPM_2_202207117054049_20220711705405650_C001  CS_OFFL_SIR_GOPM_2_202207117054049_2022071170540550_C001  CS_OFFL_SIR_GOPM_2_202207117054049_2022071170540550_C001  CS_OFFL_SIR_GOPM_2_202207117054049_202207117054050_C001  CS_OFFL_SIR_GOPM_2_202207117054050_C001  CS_OFFL_SIR_GOPM_2_2022071	CS_OFFL_SIR_GOPM_2_20220711T031449_20220711T032943_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality  CS_OFFL_SIR_GOPM_2_202207117034645_202207117035702_C001  Cs_OFFL_SIR_GOPM_2_202207117034645_202207117035702_C001  Cs_OFFL_SIR_GOPM_2_202207117040322_202207117041816_C001  Cs_OFFL_SIR_GOPM_2_202207117040322_202207117041816_C001  Cs_OFFL_SIR_GOPM_2_202207117040322_202207117041816_C001  Cs_OFFL_SIR_GOPM_2_202207117045028_202207117045310_C001  Cs_OFFL_SIR_GOPM_2_202207117045028_202207117050819_C001  Cs_OFFL_SIR_GOPM_2_20220711705133_202207117051633_C001  Cs_OFFL_SIR_GOPM_2_20220711705133_202207117051632_C001  Cs_OFFL_SIR_GOPM_2_20220711705133_202207117051632_C001  Cs_OFFL_SIR_GOPM_2_20220711705133_2022071170516582_C001  Cs_OFFL_SIR_GOPM_2_20220711705133_2022071170516582_C001  Cs_OFFL_SIR_GOPM_2_20220711705133_2022071170516582_C001  Cs_OFFL_SIR_GOPM_2_20220711705133_2022071170516582_C001  Cs_OFFL_SIR_GOPM_2_202207117052434_2022071170516582_C001  Cs_OFFL_SIR_GOPM_2_202207117052434_2022071170516582_C001  Cs_OFFL_SIR_GOPM_2_202207117052434_2022071170516582_C001  Cs_OFFL_SIR_GOPM_2_202207117052434_2022071170516582_C001  Cs_OFFL_SIR_GOPM_2_202207117052434_2022071170516582_C001  Cs_OFFL_SIR_GOPM_2_202207117052434_202207117056685_C001  Cs_OFFL_SIR_GOPM_2_202207117052434_202207117056685_C001  Cs_OFFL_SIR_GOPM_2_202207117052434_202207117056685_C001  Cs_OFFL_SIR_GOPM_2_202207117062449_202207117064658_C001  Cs_OFFL_SIR_GOPM_2_202207117062449_202207117064658_C001  Cs_OFFL_SIR_GOPM_2_202207117062449_202207117064658_C001  Cs_OFFL_SIR_GOPM_2_202207117062449_202207117064658_C001  Cs_OFFL_SIR_GOPM_2_20220711706323_202207117064658_C001  Cs_OFFL_SIR_GOPM_2_20220711706323_202207117063551_C001  Cs_OFFL_SIR_GOPM_2_20220711706323_202207117063551_C001  Cs_OFFL_SIR_GOPM_2_20220711706323_202207117063551_C001  Cs_OFFL_SIR_GOPM_2_20220711706323_202207117063551_C001  Cs_OFFL_SIR_GOPM_2_20220711706323_202207117063551_C001  Cs_OFFL_SIR_GOPM_2_20220711706323_202207117064559_C001  Cs_OFFL_SIR_GOPM_2_20220711706323_202207117064559_C001  Cs_OFFL_SIR_GOPM_2_20220711706323_202207117064559_C001  Cs_OFFL_SIR_GOPM_2_20220711706303_202	CS_OFFL_SIR_GOPM_2_20220711T033220_20220711T033721_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Set for one or more records  CS_OFFL_SIR_GOPM_2_20220711T051132_20220711T051683_C001  CS_OFFL_SIR_GOPM_2_20220711T051659_20220711T051708_C001  CS_OFFL_SIR_GOPM_2_20220711T051659_20220711T051708_C001  CS_OFFL_SIR_GOPM_2_20220711T051659_20220711T051708_C001  CS_OFFL_SIR_GOPM_2_20220711T052434_20220711T055652_C001  CS_OFFL_SIR_GOPM_2_20220711T052434_20220711T056552_C001  CS_OFFL_SIR_GOPM_2_20220711T052434_20220711T056552_C001  CS_OFFL_SIR_GOPM_2_20220711T062449_20220711T065652_C001  CS_OFFL_SIR_GOPM_2_20220711T062449_20220711T065652_C001  CS_OFFL_SIR_GOPM_2_20220711T062449_20220711T065652_C001  CS_OFFL_SIR_GOPM_2_20220711T062449_20220711T064656_C001  CS_OFFL_SIR_GOPM_2_20220711T062449_20220711T065651_C001  CS_OFFL_SIR_GOPM_2_20220711T07303_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T07303_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T07303_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T07303_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T07303_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T07303_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T07303_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T07303_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T07303_20220711T073	CS_OFFL_SIR_GOPM_2_20220711T033801_20220711T033925_C001		
and Backscatter Quality Flags have been at many and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_GOPM_2_20220711T045028_20220711T045310_C001  CS_OFFL_SIR_GOPM_2_20220711T045028_20220711T045310_C001  CS_OFFL_SIR_GOPM_2_20220711T045449_20220711T050819_C001  CS_OFFL_SIR_GOPM_2_20220711T045449_20220711T050819_C001  CS_OFFL_SIR_GOPM_2_20220711T05133_20220711T051633_C001  CS_OFFL_SIR_GOPM_2_20220711T05133_20220711T051633_C001  CS_OFFL_SIR_GOPM_2_20220711T05133_20220711T051633_C001  CS_OFFL_SIR_GOPM_2_20220711T051434_20220711T051633_C001  CS_OFFL_SIR_GOPM_2_20220711T051434_20220711T051708_C001  CS_OFFL_SIR_GOPM_2_20220711T052434_20220711T055652_C001  CS_OFFL_SIR_GOPM_2_20220711T052434_20220711T055652_C001  CS_OFFL_SIR_GOPM_2_20220711T052434_20220711T056552_C001  CS_OFFL_SIR_GOPM_2_20220711T052434_20220711T056552_C001  CS_OFFL_SIR_GOPM_2_20220711T052434_20220711T0526552_C001  CS_OFFL_SIR_GOPM_2_20220711T052434_2022071T0526552_C001  CS_OFFL_SIR_GOPM_2_2022071T052434_2022071T0526552_C001  CS_OFFL_SIR_GOPM_2_2022071T052434_2022071T0526552_C001  CS_OFFL_SIR_GOPM_2_2022071T052434_2022071T0526552_C001  CS_OFFL_SIR_GOPM_2_2022071T052434_2022071T0526552_C001  CS_OFFL_SIR_GOPM_2_2022071T052434_2022071T0526552_C001  CS_OFFL_SIR_GOPM_2_2022071T052434_2022071T0525552_C001  CS_OFFL_SIR_GOPM_2_2022071T052434_2022071T0525552_C001  CS_OFFL_SIR_GOPM_2_2022071T052434_2022071T052551_C001  CS_OFFL_SIR_GOPM_2_2022071T05230_202071T052551_C001  CS_OFFL_SIR_GOPM_2_2022071T05230_202071T052551_C001  CS_OFFL_SIR_GOPM_2_2022071T070303_2022071T072829_C001  CS_OFFL_SIR_GOPM_2_2022071T070303_2022071T073051_C001  CS_OFFL_SIR_GOPM_2_2022071T070303_2022071T073051_C001  CS_OFFL_SIR_GOPM_2_2022071T070303_2022071T073051_C001  CS_OFFL_SIR_GOPM_2_2022071T070303_2022071T073051_C001  CS_OFFL_SIR_GOPM_2_2022071T070303_2022071T073051_C001  CS_OFFL_SIR_GOPM_2_2022071T070303_2022071T073051_C001  CS_OFFL_SIR_GOPM_2_2022071T070303_2022071T073051_C001  CS_OFFL_SIR_GOPM_2_2022071T070303_2022071T073051_C001  CS_OFFL_SIR_GOPM_2_2022071T0	CS_OFFL_SIR_GOPM_2_20220711T034645_20220711T035702_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, COCG Altimeter Range and Backscatter Quality, COCG Altimeter Range and Backscatter Quality Altimeter Range, SSHA, SWH and Backscatter Quality, COCG Altimeter Range, SSHA, SWH and Backscatter Quality, COCG Altimeter Range and Backscatter Quality, COCG Altimeter Range, SSHA, SWH and Backscatter Quality, COCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records  The OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records  The OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatt	CS_OFFL_SIR_GOPM_2_20220711T040322_20220711T041816_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_GOPM_2_20220711T051133_20220711T051633_CO01  CS_OFFL_SIR_GOPM_2_20220711T051133_20220711T051633_CO01  CCG_Altimeter Range Quality, OCOG Backscatter Quality  CCG_Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_GOPM_2_20220711T051659_20220711T051708_CO01  CCG_Altimeter Range Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality  CCG_Altimeter Range, SSHA, SWH and Backscatter Quality  CS_OFFL_SIR_GOPM_2_20220711T062449_20220711T064658_CO01  CS_OFFL_SIR_GOPM_2_20220711T062449_20220711T065551_CO01  CS_OFFL_SIR_GOPM_2_20220711T065220_20220711T065551_CO01  CS_OFFL_SIR_GOPM_2_20220711T065220_20220711T065551_CO01  CS_OFFL_SIR_GOPM_2_20220711T076303_20220711T072829_CO01  CS_OFFL_SIR_GOPM_2_20220711T07303_20220711T072829_CO01  CS_OFFL_SIR_GOPM_2_20220711T07303_20220711T073051_CO01  CCG_Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_GOPM_2_20220711T07303_20220711T072829_CO01  CCG_Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_GOPM_2_20220711T07303_20220711T073051_CO01  CCG_Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_GOPM_2_20220711T07303_20220711T073051_CO01  CCG_Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_GOPM_2_20220711T073053_20220	CS_OFFL_SIR_GOPM_2_20220711T045028_20220711T045310_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality  CS_OFFL_SIR_GOPM_2_20220711T051659_20220711T051659_20220711T051708_C001  CS_OFFL_SIR_GOPM_2_20220711T052434_20220711T055652_C001  CS_OFFL_SIR_GOPM_2_20220711T052434_20220711T054658_C001  CS_OFFL_SIR_GOPM_2_20220711T062449_20220711T064658_C001  CS_OFFL_SIR_GOPM_2_20220711T062449_20220711T064658_C001  CS_OFFL_SIR_GOPM_2_20220711T065220_20220711T065551_C001  CS_OFFL_SIR_GOPM_2_20220711T065220_20220711T065551_C001  CS_OFFL_SIR_GOPM_2_20220711T065220_20220711T065551_C001  CS_OFFL_SIR_GOPM_2_20220711T07303_20220711T072892_C001  CS_OFFL_SIR_GOPM_2_20220711T07303_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T073053_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T073053_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T073053_20220711T073053_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T073053_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T073053_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T073053_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T073053_20220711T073051_C001  CCOG Altimeter Range and Backscatter Quality COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCOG Altimeter Range	CS_OFFL_SIR_GOPM_2_20220711T045449_20220711T050819_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality  CS_OFFL_SIR_GOPM_2_20220711T052434_20220711T055652_C001  CS_OFFL_SIR_GOPM_2_20220711T052434_20220711T055652_C001  CS_OFFL_SIR_GOPM_2_20220711T062449_20220711T064658_C001  CS_OFFL_SIR_GOPM_2_20220711T062449_20220711T064658_C001  CS_OFFL_SIR_GOPM_2_20220711T062449_20220711T064658_C001  CS_OFFL_SIR_GOPM_2_20220711T065220_20220711T065551_C001  CS_OFFL_SIR_GOPM_2_20220711T065220_20220711T065551_C001  CS_OFFL_SIR_GOPM_2_20220711T065220_20220711T07303_20220711T073829_C001  CS_OFFL_SIR_GOPM_2_20220711T07303_20220711T073829_C001  CS_OFFL_SIR_GOPM_2_20220711T07303_20220711T07381_C001  CS_OFFL_SIR_GOPM_2_20220711T07303_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T07303_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T07303_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T07303_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T07303_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T07303_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T07303_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T073053_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T073053_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T073053_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T073053_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T073053_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T073053_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T073053_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T073053_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T073053_20220711T073051_C001  CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	CS_OFFL_SIR_GOPM_2_20220711T051133_20220711T051633_C001		
and Backscatter Quality, COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_GOPM_2_20220711T062449_20220711T064658_C001  CS_OFFL_SIR_GOPM_2_20220711T062449_20220711T064658_C001  CS_OFFL_SIR_GOPM_2_20220711T065220_20220711T065551_C001  CS_OFFL_SIR_GOPM_2_20220711T065220_20220711T065551_C001  CS_OFFL_SIR_GOPM_2_20220711T07303_20220711T072829_C001  CS_OFFL_SIR_GOPM_2_20220711T07303_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T07303_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T073053_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T073053_20220711T073106_C001  CS_OFFL_SIR_GOPM_2_20220711T073053_20220711T073106_C0	CS_OFFL_SIR_GOPM_2_20220711T051659_20220711T051708_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_GOPM_2_20220711T065220_20220711T065551_C001  CS_OFFL_SIR_GOPM_2_20220711T07303_20220711T072829_C001  CS_OFFL_SIR_GOPM_2_20220711T07303_20220711T072829_C001  CS_OFFL_SIR_GOPM_2_20220711T07303_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T073053_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T073053_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T073053_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T073053_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T073053_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T073053_20220711T073	CS_OFFL_SIR_GOPM_2_20220711T052434_20220711T055652_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality  CS_OFFL_SIR_GOPM_2_20220711T070303_20220711T072829_C001  CS_OFFL_SIR_GOPM_2_20220711T070303_20220711T072829_C001  CS_OFFL_SIR_GOPM_2_20220711T070303_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T072831_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T073053_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T073053_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T073053_	CS_OFFL_SIR_GOPM_2_20220711T062449_20220711T064658_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20220711T070303_20220711T072829_C001  and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_GOPM_2_20220711T072831_20220711T073051_C001  CS_OFFL_SIR_GOPM_2_20220711T073053_20220711T073106_C001  CS_OFFL_SIR_GOPM_2_20220711T073053_20220711T073053_20220711T073053_C0020711T073053_C0020711T073053_C0020711	CS_OFFL_SIR_GOPM_2_20220711T065220_20220711T065551_C001		
CS_OFFL_SIR_GOPM_2_20220711T072831_20220711T073051_C001  and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_GOPM_2_20220711T073053_20220711T073106_C001  CS_OFFL_SIR_GOPM_2_20220711T073053_C001  CS_OFFL_SIR_GOPM_2_20220711T073053_C001  CS_OFFL_SIR_GOPM_2_20220711T073053_C001  CS_OFFL_SIR_GOPM_2_20220711T073053_C001	CS_OFFL_SIR_GOPM_2_20220711T070303_20220711T072829_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_20220711T080237_20220711T080241_C001  Backscatter Quality  for one or more records  CS_OFFL_SIR_GOPM_2_20220711T080227_20220711T080241_C001  OCOG Altimeter Range Quality, OCOG  The OCOG Altimeter Range and Backscatter Quality Flags have been set	CS_OFFL_SIR_GOPM_2_20220711T072831_20220711T073051_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_GOPM_2_20220711T073053_20220711T073106_C001		
	CS_OFFL_SIR_GOPM_2_20220711T080227_20220711T080241_C001		

CS_OFFL_SIR_GOPM_2_20220711T080244_20220711T082705_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_20220711T083003_20220711T083506_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_20220711T083513_20220711T083841_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_20220711T084255_20220711T091621_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_20220711T092843_20220711T093525_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_20220711T100153_20220711T100613_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_20220711T101003_20220711T101539_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_20220711T101717_20220711T101741_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_20220711T102306_20220711T105545_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_20220711T105738_20220711T105839_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_20220711T110800_20220711T110944_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_20220711T111419_20220711T111506_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_20220711T112812_20220711T114411_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_20220711T120128_20220711T123714_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_20220711T124710_20220711T124757_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_20220711T124802_20220711T124859_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_20220711T125914_20220711T130334_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_20220711T130430_20220711T132206_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_20220711T134114_20220711T135629_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_20220711T135756_20220711T140035_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_20220711T140241_20220711T141712_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_20220711T142929_20220711T144743_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_20220711T144857_20220711T145032_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_20220711T145043_20220711T150242_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_20220711T151050_20220711T151249_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_20220711T151402_20220711T151752_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_20220711T152010_20220711T153511_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_20220711T153713_20220711T154636_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_20220711T160447_20220711T160602_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_20220711T160851_20220711T162557_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_20220711T164149_20220711T164319_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_20220711T164900_20220711T165654_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_20220711T165952_20220711T171418_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_20220711T175148_20220711T180613_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_20220711T180616_20220711T182358_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_20220711T183003_20220711T183545_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_20220711T183952_20220711T190345_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_20220711T191320_20220711T191357_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_20220711T192720_20220711T192801_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_20220711T193741_20220711T200242_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_20220711T200941_20220711T201410_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_20220711T201846_20220711T203905_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_20220711T204955_20220711T205559_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_20220711T210933_20220711T214057_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_20220711T214852_20220711T215427_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_20220711T215745_20220711T220212_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_20220711T223325_20220711T223547_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_20220711T224814_20220711T232101_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_20220711T232756_20220711T233308_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_20220711T233820_20220711T235453_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_20220711T010317_20220711T010622_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20220711T033925_20220711T034143_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_20220711T051821_20220711T052302_C001	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

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

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

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

Number of products with errors:

Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG CS\_OFFL\_SIR\_GOPN\_2\_20220711T001353\_20220711T001804\_C001 and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality set for one or more records OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS OFFL SIR GOPN 2 20220711T002338 20220711T002504 C001 OCOG Backscatter Quality more records OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS\_OFFL\_SIR\_GOPN\_2\_20220711T004744\_20220711T004827\_C001 OCOG Backscatter Quality more records OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS\_OFFL\_SIR\_GOPN\_2\_20220711T010130\_20220711T010218\_C001 OCOG Backscatter Quality more records Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG CS\_OFFL\_SIR\_GOPN\_2\_20220711T010317\_20220711T010622\_C001 and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality set for one or more records OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS\_OFFL\_SIR\_GOPN\_2\_20220711T010622\_20220711T010718\_C001 OCOG Backscatter Quality more records Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been and Backscatter Quality PLRM, OCOG CS\_OFFL\_SIR\_GOPN\_2\_20220711T015132\_20220711T015306\_C001 Altimeter Range and Backscatter Quality set for one or more records OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS\_OFFL\_SIR\_GOPN\_2\_20220711T023940\_20220711T024120\_C001 OCOG Backscatter Quality more records OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS\_OFFL\_SIR\_GOPN\_2\_20220711T040036\_20220711T040109\_C001 OCOG Backscatter Quality more records OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS\_OFFL\_SIR\_GOPN\_2\_20220711T041926\_20220711T042224\_C001 OCOG Backscatter Quality more records Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been and Backscatter Quality PLRM, OCOG CS\_OFFL\_SIR\_GOPN\_2\_20220711T042402\_20220711T042530\_C001 Altimeter Range and Backscatter Quality set for one or more records Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been and Backscatter Quality PLRM, OCOG CS\_OFFL\_SIR\_GOPN\_2\_20220711T051821\_20220711T052302\_C001 Altimeter Range and Backscatter Quality set for one or more records PLRM OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS OFFL SIR GOPN 2 20220711T060001 20220711T060355 C001 OCOG Backscatter Quality more records OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS OFFL SIR GOPN 2 20220711T060914 20220711T060947 C001 OCOG Backscatter Quality more records OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS OFFL SIR GOPN 2 20220711T064949 20220711T065220 C001 OCOG Backscatter Quality more records OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS OFFL SIR GOPN 2 20220711T075305 20220711T075334 C001 OCOG Backscatter Quality more records Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been CS OFFL SIR GOPN 2 20220711T082832 20220711T083003 C001 Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS OFFL SIR GOPN 2 20220711T083841 20220711T083950 C001 OCOG Backscatter Quality OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS OFFL SIR GOPN 2 20220711T094859 20220711T095233 C001 OCOG Backscatter Quality OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS OFFL SIR GOPN 2 20220711T112702 20220711T112811 C001 OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags CS OFFL SIR GOPN 2 20220711T115435 20220711T115745 C001 and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records Altimeter Range and Backscatter Quality PLRM

CS_OFFL_SIR_GOPN_2_20220711T130334_20220711T130430_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_20220711T132853_20220711T133137_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_20220711T133339_20220711T133908_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_20220711T142434_20220711T142903_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_20220711T151752_20220711T151932_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_20220711T154637_20220711T154934_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_20220711T162558_20220711T163200_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_20220711T164537_20220711T164900_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_20220711T165655_20220711T165842_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_20220711T174256_20220711T174756_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_20220711T182541_20220711T182730_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_20220711T183545_20220711T183807_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_20220711T190345_20220711T190736_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_20220711T191227_20220711T191241_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_20220711T191745_20220711T191819_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_20220711T192300_20220711T192719_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_20220711T192801_20220711T192924_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_20220711T193223_20220711T193513_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_20220711T200513_20220711T200653_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_20220711T210503_20220711T210933_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_20220711T214516_20220711T214851_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_20220711T215427_20220711T215542_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_20220711T221145_20220711T221257_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_20220711T222624_20220711T222636_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_20220711T223227_20220711T223325_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_20220711T224402_20220711T224541_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_20220711T232436_20220711T232756_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set more records
CS_OFFL_SIR_GOPN_2_20220711T235453_20220711T235810_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set more records
CS_OFFL_SIR_GOPR_2_20220711T010718_20220711T011508_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 and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records
CS_OFFL_SIR_GOPR_2_20220711T020313_20220711T020924_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 Qual and the OCOG Altimeter Range and Backscatter Quality Flags has to one or more records
CS_OFFL_SIR_GOPR_2_20220711T024615_20220711T025157_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 and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records
CS_OFFL_SIR_GOPR_2_20220711T025212_20220711T025336_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set more records
CS_OFFL_SIR_GOPR_2_20220711T031300_20220711T031449_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set more records
CS_OFFL_SIR_GOPR_2_20220711T034143_20220711T034645_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 Quali and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records
CS_OFFL_SIR_GOPR_2_20220711T041817_20220711T041925_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set more records
CS_OFFL_SIR_GOPR_2_20220711T042531_20220711T043227_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 and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records
CS_OFFL_SIR_GOPR_2_20220711T044611_20220711T045027_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set more records
CS_OFFL_SIR_GOPR_2_20220711T050820_20220711T050939_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 and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records
CS_OFFL_SIR_GOPR_2_20220711T052302_20220711T052434_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 and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records
CS_OFFL_SIR_GOPR_2_20220711T060355_20220711T060913_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 and the OCOG Altimeter Range and Backscatter Quality Flags has to one or more records
CS_OFFL_SIR_GOPR_2_20220711T060947_20220711T061055_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set more records
CS_OFFL_SIR_GOPR_2_20220711T064658_20220711T064948_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 and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records
CS_OFFL_SIR_GOPR_2_20220711T074210_20220711T075209_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 and the OCOG Altimeter Range and Backscatter Quality Flags has to one or more records
CS_OFFL_SIR_GOPR_2_20220711T091803_20220711T091841_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set more records
CS_OFFL_SIR_GOPR_2_20220711T091949_20220711T092725_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 Quali and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records
CS_OFFL_SIR_GOPR_2_20220711T100614_20220711T100849_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 and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records
CS_OFFL_SIR_GOPR_2_20220711T101857_20220711T102306_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 Quali and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records
CS_OFFL_SIR_GOPR_2_20220711T105839_20220711T110530_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 and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records
CS_OFFL_SIR_GOPR_2_20220711T111058_20220711T111419_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set more records
CS_OFFL_SIR_GOPR_2_20220711T111627_20220711T112004_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set more records
CS_OFFL_SIR_GOPR_2_20220711T114411_20220711T114804_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 and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records
CS_OFFL_SIR_GOPR_2_20220711T115745_20220711T120127_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 Quali and the OCOG Altimeter Range and Backscatter Quality Flags ha set for one or more records

CS_OFFL_SIR_GOPR_2_20220711T124758_20220711T124801_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_20220711T132206_20220711T132853_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_20220711T133908_20220711T134114_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_20220711T141713_20220711T141833_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_20220711T141905_20220711T142323_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_20220711T144744_20220711T144856_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_20220711T155938_20220711T160336_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_20220711T171548_20220711T172158_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_20220711T172201_20220711T172234_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_20220711T173640_20220711T174255_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_20220711T191819_20220711T192300_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_20220711T214058_20220711T214516_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_20220711T215542_20220711T215745_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_20220711T232101_20220711T232436_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

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

0

## 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_2_20220710T232934_20220711T001909_C002	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20220711T001909_20220711T010848_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_20220711T010848_20220711T015824_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T015824_20220711T024803_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T024803_20220711T033738_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T033738_20220711T042717_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_20220711T042717_20220711T051653_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T051653_20220711T060632_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_20220711T060632_20220711T065608_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T065608_20220711T074547_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T074547_20220711T083523_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T083523_20220711T092502_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T092502_20220711T101437_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T101437_20220711T110416_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T110416_20220711T115352_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T115352_20220711T124331_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_20220711T124331_20220711T133307_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T133307_20220711T142246_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T142246_20220711T151221_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T151221_20220711T160200_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T160200_20220711T165136_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_20220711T165136_20220711T174115_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T174115_20220711T183051_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T183051_20220711T192030_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T192030_20220711T201005_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T201005_20220711T205944_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220711T205944_20220711T214920_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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\_20220711T214920\_20220711T223859\_C001

Mean Sea Surface (1), Mean Dynamic Topography (1) There is 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\_20220711T223859\_20220711T232835\_C001

Mean Sea Surface (1), Mean Dynamic Topography (1)

There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

#### 6.5 P2P Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20220711T033738_20220711T042717_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOP_2_20220711T214920_20220711T223859_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:

#### 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: 3

### 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:

#### 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: 3

### 7. GOP QCC Report Analysis

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

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_GOPM1B	144	144	3	141	0
SIR_GOPR1B	97	97	0	97	0
SIR_GOPN1B	105	105	3	102	0
SIR_GOPM_2	144	144	91	53	0
SIR_GOPR_2	97	97	26	71	0
SIR_GOPN_2	105	105	42	63	0
SIR GOP P2P	29	29	0	29	0

#### 7.1 QCC Errors

Number of QCC reports with errors:

## 7.2 QCC Warnings

Number of QCC reports with warnings

2136

0

Total number	er of occurrences	of ea	ch warning

	Total number of occurrences of each warning							
Product Type	BCSHNCDF	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD	RBSZOPOEPNCDF	
SIR_GOPM1B	141	0	0	0	0	0	0	
SIR_GOPM_2	0	37	39	2	41	0	35	
SIR_GOPN1B	99	0	0	0	0	0	0	
SIR_GOPN_2	0	7	34	6	24	25	18	
SIR_GOPR1B	93	0	0	0	0	0	0	
SIR GOPR 2	0	40	49	0	34	31	21	

Product Type	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNC	RPEPOPFDPLRMSINNCE	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF	RPEPOPLRMNCDF	RPEPOPSARNCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	34	0	0	0	0	28	0
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	0	0	27	0	35	0	0
SIR_GOPR1B	0	0	0	0	0	0	0
SIR GOPR 2	0	52	0	55	0	0	49

Product Type	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	0	8	24	0	3	34	0
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	30	17	45	51	32	29	33
SIR_GOPR1B	0	0	0	0	0	0	0
SIR GOPR 2	0	3	61	44	7	42	47

Product Type	RSWHOEPNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF	-	-	•
SIR_GOPM1B	0	0	0	0			
SIR_GOPM_2	1	0	0	0			
SIR_GOPN1B	0	0	47	0			
SIR_GOPN_2	13	1	0	0			
SIR_GOPR1B	0	0	97	3			
SIR_GOPR_2	1	1	0	0			

Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD	RBSZOPOEPNCDF
SIR_GOP_2_	17	29	29	5	29	17	29

Ī	Product Type	RPEPOPFDPLRMSINNCD	RPEPOPFDSINNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
	SIR_GOP_2_	18	29	25	19	29	17	24

Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHLPQWNCDF	-	-	•
SIR GOP 2	29	18	14	29			

Test Description Kev:	Fest Description Key:						
Abbreviation	Test name	Details					
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter					
MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees					
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees					
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only					
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RBSZOPOEPFDPLRM NCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPFDPLRMSAR NCDF	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPFDPLRMSINN CDF	RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPFDSARNCDF	RangePeakinessExcludingPolarOPFD2SARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPFDSINNCDF	RangePeakinessExcludingPolarOPFD2SINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPLRMNCDF	RangePeakinessExcludingPolarOPLRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPSARNCDF	RangePeakinessExcludingPolarOPSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPSINNCDF	RangePeakinessExcludingPolarOPSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RSSBCONCDF	RangeSeaStateBiasCorrectionOceanNetCDF	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean					
RSSHAOFDNCDF	RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean					
RSSHAOFDPLRMNCD F	RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean					
RSSHAONCDF	RangeSeaSurfaceHeightAnomalyOceanNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean					
RSWHOEPFDNCDF	RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RSWHOEPFDPLRMNC DF	RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RSWHOEPNCDF	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
SOOHHIFHD	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample					
SCSTODHRNCDF	SequenceCounterStepTODHRNetCDF	The sequence counter should be modulo 4 higher with regard to the previous sequence counter					
SCSTODNCDF	SequenceCounterStepTODNetCDF	The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter					

## 7.3 Missing QCC Reports

Number of products with missing QCC reports: