

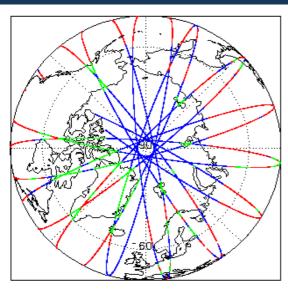
# 1. Overview

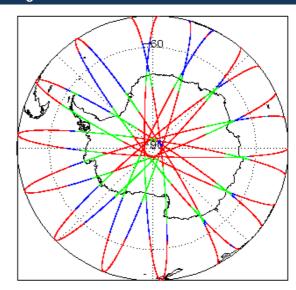
Report Production:	05-Jan-2022	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data	

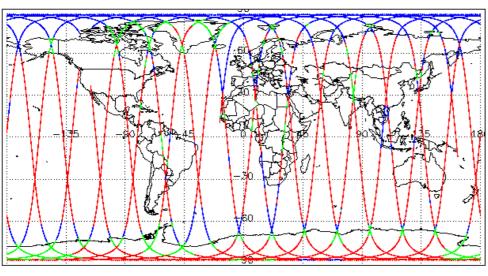
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary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

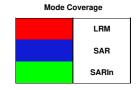
Mission / Ins	trument News
05-Dec-202	1 None
06-Dec-202	1 None
07-Dec-202	1 Nothing planned

# 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

#### 4.2 L1B Product Header Analysis

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

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

Number of products with errors:

#### 4.3 L1B Auxilary Data File Usage Check

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

Number of products with errors:

### 4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

## 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_20211206T153640_20211206T154027_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.

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Number of products with errors:

Test Failed	Description
Loss of Echo	The tracking echo is missing for one or more records
Loss of Echo	The tracking echo is missing for one or more records
Loss of Echo	The tracking echo is missing for one or more records
Loss of Echo	The tracking echo is missing for one or more records
Loss of Echo	The tracking echo is missing for one or more records
Loss of Echo	The tracking echo is missing for one or more records
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Loss of Echo	The tracking echo is missing for one or more records
Loss of Echo	The tracking echo is missing for one or more records
Loss of Echo	The tracking echo is missing for one or more records
	Loss of Echo

## 5. GOP Level 2 Data Quality Check

#### 5.1 L2 Product Format Check

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

Number of products with errors:

#### 5.2 L2 Product Header Analysis

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

Number of products with errors:

### 5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

#### 5.4 L2 Auxiliary Correction Error Check

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20211206T011407_20211206T011641_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T020917_20211206T021037_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20211206T024931_20211206T025522_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T034852_20211206T035101_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T043131_20211206T043306_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_20211206T044158_20211206T044401_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_20211206T052805_20211206T053251_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T061948_20211206T062216_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T075046_20211206T075438_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20211206T084114_20211206T084212_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_20211206T093032_20211206T093345_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T093900_20211206T094012_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_20211206T110758_20211206T111220_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T111803_20211206T111924_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T115732_20211206T120142_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20211206T125539_20211206T125726_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_20211206T133946_20211206T134046_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T143345_20211206T143609_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T151741_20211206T151953_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T160352_20211206T160608_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_20211206T161248_20211206T161713_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T165424_20211206T165816_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T174410_20211206T174643_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T175404_20211206T175547_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_20211206T193304_20211206T193442_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_20211206T202150_20211206T202214_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_20211206T210312_20211206T210430_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_20211206T211001_20211206T211319_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T224234_20211206T224350_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T224859_20211206T225212_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPR_2_20211206T002437_20211206T002919_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T002919_20211206T003039_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T020241_20211206T020759_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T020759_20211206T020917_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T034517_20211206T034852_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T052015_20211206T052042_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_20211206T052042_20211206T052805_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T065848_20211206T070837_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_20211206T083117_20211206T083255_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_20211206T084212_20211206T085001_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T101858_20211206T103230_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T120143_20211206T120909_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T134047_20211206T134618_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T150948_20211206T151124_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_20211206T151953_20211206T152644_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T165817_20211206T170329_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T170404_20211206T170529_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_20211206T183602_20211206T184350_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T201419_20211206T202150_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T203101_20211206T203258_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_20211206T214957_20211206T215954_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T215954_20211206T220117_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T233158_20211206T233853_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T233853_20211206T235340_C001	Mean Sea Surface (1), Mean Dynamic Topography (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_20211206T153640_20211206T154027_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

## 5.6 L2 Measurement Quality Flag Check

### L2 Quality Flags (20Hz)

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

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

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

Product	Test Failed	Description
	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_20211206T001425_20211206T001756_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.
	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_20211206T003447_20211206T003500_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211206T003547_20211206T004238_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211206T004251_20211206T010706_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_20211206T012100_20211206T012325_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_20211206T012531_20211206T013006_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_20211206T013058_20211206T014156_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_20211206T014209_20211206T015236_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211206T020131_20211206T020144_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_20211206T021037_20211206T021437_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_20211206T021559_20211206T023143_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_20211206T023801_20211206T023955_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_20211206T024031_20211206T024931_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_20211206T025817_20211206T030243_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_20211206T030503_20211206T031928_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_20211206T032108_20211206T032613_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_20211206T035800_20211206T040510_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211206T040633_20211206T043013_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_20211206T043306_20211206T044158_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_20211206T044418_20211206T050800_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_20211206T051924_20211206T052015_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_20211206T054358_20211206T054545_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_20211206T054548_20211206T060850_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_20211206T061522_20211206T061948_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_20211206T062332_20211206T065059_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_20211206T071701_20211206T071946_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211206T072039_20211206T074709_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_20211206T075438_20211206T080028_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_20211206T080306_20211206T081733_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_20211206T082156_20211206T082748_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_20211206T083937_20211206T084030_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_20211206T085306_20211206T092659_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_20211206T093345_20211206T093900_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_20211206T094544_20211206T094915_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_20211206T101617_20211206T101858_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_20211206T103230_20211206T104152_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_20211206T104438_20211206T110611_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_20211206T111220_20211206T111347_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_20211206T111354_20211206T111803_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_20211206T112245_20211206T113311_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_20211206T113458_20211206T114216_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_20211206T114312_20211206T114718_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_20211206T120951_20211206T120956_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_20211206T121225_20211206T121723_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_20211206T121901_20211206T124528_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_20211206T124718_20211206T125247_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_20211206T130349_20211206T131619_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_20211206T131645_20211206T133408_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_20211206T133750_20211206T133946_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_20211206T135011_20211206T135019_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_20211206T135534_20211206T140713_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_20211206T140916_20211206T142427_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_20211206T142646_20211206T143145_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
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	OCOG Altimeter Range and Backscatter Quality Flags have been set to or more records.
	le di more records.
	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags he OCOG Altimeter Range and Backscatter Quality Flags have been or one or more records.
	DCOG Altimeter Range and Backscatter Quality Flags have been set ne or more records.
	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags he OCOG Altimeter Range and Backscatter Quality Flags have been or one or more records.
	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags the OCOG Altimeter Range and Backscatter Quality Flags have been or one or more records.
	DCOG Altimeter Range and Backscatter Quality Flags have been set ne or more records.
	DCOG Altimeter Range and Backscatter Quality Flags have been set ne or more records.
	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags he OCOG Altimeter Range and Backscatter Quality Flags have been or one or more records.
	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags he OCOG Altimeter Range and Backscatter Quality Flags have been or one or more records.
	DCOG Altimeter Range and Backscatter Quality Flags have been set le or more records.
	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags he OCOG Altimeter Range and Backscatter Quality Flags have been or one or more records.
	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags he OCOG Altimeter Range and Backscatter Quality Flags have been or one or more records.
	DCOG Altimeter Range and Backscatter Quality Flags have been set ne or more records.
	DCOG Altimeter Range and Backscatter Quality Flags have been set ne or more records.
	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags he OCOG Altimeter Range and Backscatter Quality Flags have been or one or more records.
	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags he OCOG Altimeter Range and Backscatter Quality Flags have been or one or more records.
	OCOG Altimeter Range and Backscatter Quality Flags have been set ne or more records.
CS OFFE SIB GOPM 2 202112061192936 202112061193304 C001	OCOG Altimeter Range and Backscatter Quality Flags have been set ne or more records.
	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags he OCOG Altimeter Range and Backscatter Quality Flags have been or one or more records.
	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags the OCOG Altimeter Range and Backscatter Quality Flags have been or one or more records.
	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags the OCOG Altimeter Range and Backscatter Quality Flags have been or one or more records.
	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags the OCOG Altimeter Range and Backscatter Quality Flags have been or one or more records.
CS OFFI SIB GOPM 2 202112061210430 202112061211001 C001	OCOG Altimeter Range and Backscatter Quality Flags have been set ne or more records.
	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags he OCOG Altimeter Range and Backscatter Quality Flags have been or one or more records.
	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags he OCOG Altimeter Range and Backscatter Quality Flags have been or one or more records.
	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags he OCOG Altimeter Range and Backscatter Quality Flags have been or one or more records.

CS_OFFL_SIR_GOPM_2_20211206T224350_20211206T224859_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20211206T225517_20211206T232906_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_20211206T235340_20211206T235817_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20211206T025753_20211206T025817_C001	0 ,,	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20211206T080028_20211206T080153_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20211206T165424_20211206T165816_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_20211206T171529_20211206T171834_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20211206T101337_20211206T101617_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20211206T111347_20211206T111354_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20211206T121019_20211206T121028_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20211206T121032_20211206T121142_C001	0 ,,	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

## L2 Quality Flags (20Hz PLRM)

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

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

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Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20211206T003136_20211206T003320_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_20211206T011407_20211206T011641_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_20211206T011835_20211206T012100_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_20211206T012325_20211206T012500_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_20211206T015420_20211206T015623_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_20211206T020917_20211206T021037_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_20211206T021437_20211206T021559_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_20211206T023656_20211206T023801_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_20211206T024931_20211206T025522_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_20211206T034357_20211206T034438_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_20211206T034852_20211206T035101_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_20211206T035202_20211206T035431_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_20211206T035638_20211206T035800_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_20211206T043131_20211206T043306_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPN_2_20211206T050834_20211206T051140_C001	PLRM OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	set for one or more records.  The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20211206T051747_20211206T051924_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_20211206T052805_20211206T053251_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_20211206T053349_20211206T053510_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_20211206T061416_20211206T061522_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_20211206T075046_20211206T075438_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_20211206T080028_20211206T080153_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_20211206T085148_20211206T085306_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_20211206T093900_20211206T094012_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_20211206T101313_20211206T101323_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_20211206T101323_20211206T101336_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_20211206T110758_20211206T111220_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_20211206T114216_20211206T114312_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_20211206T115732_20211206T120142_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_20211206T142504_20211206T142646_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_20211206T143345_20211206T143609_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_20211206T145501_20211206T145747_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_20211206T151405_20211206T151700_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_20211206T151741_20211206T151953_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_20211206T165424_20211206T165816_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_20211206T170329_20211206T170403_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_20211206T171529_20211206T171834_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_20211206T174410_20211206T174643_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_20211206T175404_20211206T175547_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_20211206T192302_20211206T192431_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_20211206T193304_20211206T193442_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_20211206T201107_20211206T201227_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_20211206T201311_20211206T201419_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_20211206T204325_20211206T204658_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_20211206T210312_20211206T210430_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_20211206T211001_20211206T211319_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_20211206T220854_20211206T220918_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_20211206T222027_20211206T222226_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_20211206T002049_20211206T002111_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_20211206T002253_20211206T002419_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_20211206T002437_20211206T002919_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_20211206T003321_20211206T003341_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_20211206T010706_20211206T011407_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_20211206T023143_20211206T023356_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_20211206T023955_20211206T024031_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_20211206T032613_20211206T032817_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_20211206T033649_20211206T033650_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_20211206T034517_20211206T034852_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_20211206T035432_20211206T035545_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_20211206T052015_20211206T052042_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_20211206T052042_20211206T052805_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_20211206T062216_20211206T062332_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_20211206T065848_20211206T070837_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_20211206T080153_20211206T080306_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_20211206T083753_20211206T083824_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_20211206T084212_20211206T085001_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.

CONTILIENT COMPLIANT COMPLIANT TOUR TOUR TOUR TOUR TOUR TOUR TOUR TOU	CS_OFFL_SIR_GOPR_2_20211206T092659_20211206T093032_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.
CR_GRF_SRF_GORP3001288T13052 _2011088T18647_G081  CR_GRF_SRF_GORP3001288T13056 _2011088T18647_G081  CR_GRF_SRF_GORP3001288T13056 _2011088T18647_G081  CR_GRF_SRF_GORP3001288T13056 _2011088T18650 _G081  CR_GRF_SRF_GORP3001288T13056 _2011088T18660 _G081  CR_GRF_SRF_GORP3001288T13056 _2011088T13056 _G081  CR_GRF_SRF_GORP3001288T13056 _2011088T13056 _G081  CR_GRF_GRF_GORP3001288T13056 _2011088T13056 _G08	CS_OFFL_SIR_GOPR_2_20211206T094012_20211206T094327_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Company	CS_OFFL_SIR_GOPR_2_20211206T094915_20211206T095546_C001		
CR. OFFL. SR. GOPR. 2. 2021 1000F1 11804, 3101 1281F1 1000F1 (2000)   CR. OFFL. SR. GOPR. 2. 2021 1000F1 11804, 3101 1281F1 1000F1 (2000)   CR. OFFL. SR. GOPR. 2. 2021 1000F1 11804, 3101 1281F1 1000F1 (2000)   CR. OFFL. SR. GOPR. 2. 2021 1000F1 11804, 3101 1281F1 1000F1 (2000)   CR. OFFL. SR. GOPR. 2. 2021 1000F1 11804, 3101 1281F1 1000F1 (2000)   CR. OFFL. SR. GOPR. 2. 2021 1000F1 11804, 3101 1281F1 1000F1 (2000)   CR. OFFL. SR. GOPR. 2. 2021 1000F1 1300F1 (	CS_OFFL_SIR_GOPR_2_20211206T101337_20211206T101617_C001		
CS OFFL SIR GOPR 2 20211000711904 2021200710509 COOL	CS_OFFL_SIR_GOPR_2_20211206T101858_20211206T103230_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
25, OFFL_SRI_GOPR_2_72011206T10914_20011206T109169_20011   26, OFFL_SRI_GOPR_2_72011206T109169_20011206T109169_20011   27, OFFL_SRI_GOPR_2_72011206T109169_20011206T109169_2	CS_OFFL_SIR_GOPR_2_20211206T111924_20211206T112245_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_OOPFL_20211208T1340B_20211208T1440B_2001  CS_OFFL_SIR_OOPFL_20211208T13470B_76211208T1340B_2001  CS_OFFL_SIR_OOPFL_20211208T1340B_20211208T1340B_2001  CS_OFFL_SIR_OOPFL_20211208T1340B_20211208T1340B_2001  CS_OFFL_SIR_OOPFL_20211208T1340B_20211208T1340B_2001  CS_OFFL_SIR_OOPFL_20211208T1340B_20211208T1340B_2001  CS_OFFL_SIR_OOPFL_20211208T1340B_20211208T1340B_2001  CS_OFFL_SIR_OOPFL_20211208T1340B_20211208T1340B_2001  CS_OFFL_SIR_OOPFL_20211208T1340B_20211208T1340B_2001  CS_OFFL_SIR_OOPFL_20211208T1360B_20211208T1360B_2001  CS_OFFL_SIR_OOPFL_20211208T1360B_2021	CS_OFFL_SIR_GOPR_2_20211206T120143_20211206T120909_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Se OFFL SIR GOPFL 2 202112061134709 202112061134002 C001  CS OFFL SIR GOPFL 2 202112061134709 202112061134002 C001  CS OFFL SIR GOPFL 2 202112061135170 202112061134002 C001  CS OFFL SIR GOPFL 2 202112061135170 202112061134002 C001  CS OFFL SIR GOPFL 2 202112061135170 202112061135122 C001  CS OFFL SIR GOPFL 2 202112061135170 202112061135120 C001  CS OFFL SIR GOPFL 2 202112061135170 20211206113520 C001  CS OFFL SIR GOPFL 2 202112061135170 20211206113520 C001  CS OFFL SIR GOPFL 2 20211206113518 2 20211206113520 C001  CS OFFL SIR GOPFL 2 20211206113519 2021120611350 C001  CS OFFL SIR GOPFL 2 20211206113520 2021120611360 C001  CS OFFL SIR GOPFL 2 20211206113520 2021120611360 C001  CS OFFL SIR GOPFL 2 20211206113520 2021120611360 C001  CS OFFL SIR GOPFL 2 2021120611360 C001  CS OFF	CS_OFFL_SIR_GOPR_2_20211206T125259_20211206T125306_C001		
OCC Blackscatter Quality PLRM, COC Blackscatter Quality PLRM,	CS_OFFL_SIR_GOPR_2_20211206T134047_20211206T134618_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCOS Backscatter Cuality  CS_OFFL_SIR_GOPR_2_20211206T135126_20211206T18227_C001  CS_OFFL_SIR_GOPR_2_20211206T135240_20211206T18227_C001  CS_OFFL_SIR_GOPR_2_20211206T135240_20211206T18237_C001  CS_OFFL_SIR_GOPR_2_20211206T135240_20211206T182316_C001  CS_OFFL_SIR_GOPR_2_20211206T135240_20211206T145316_C001  CS_OFFL_SIR_GOPR_2_20211206T155240_20211206T145316_C001  CS_OFFL_SIR_GOPR_2_20211206T155240_20211206T1543610_C002  CS_OFFL_SIR_GOPR_2_20211206T1545610_20211206T15446_C001  CS_OFFL_SIR_GOPR_2_20211206T1545610_20211206T15446_C001  CS_OFFL_SIR_GOPR_2_20211206T1545610_20211206T15446_C001  CS_OFFL_SIR_GOPR_2_20211206T154067_20211206T154841_C001  CS_OFFL_SIR_GOPR_2_20211206T154067_20211206T154841_C001  CS_OFFL_SIR_GOPR_2_20211206T154067_20211206T154841_C001  CS_OFFL_SIR_GOPR_2_20211206T154067_20211206T154841_C001  CS_OFFL_SIR_GOPR_2_20211206T154067_20211206T154841_C001  CS_OFFL_SIR_GOPR_2_20211206T154067_20211206T154841_C001  CS_OFFL_SIR_GOPR_2_20211206T154067_20211206T154841_C001  CS_OFFL_SIR_GOPR_2_20211206T154067_20211206T158440_C001  CS_OFFL_SIR_GOPR_2_20211206T154067_20211206T158440_C001  CS_OFFL_SIR_GOPR_2_20211206T154067_20211206T158440_C001  CS_OFFL_SIR_GOPR_2_20211206T16400_20211206T164841_C001  CS_OFFL_SIR_GOPR_2_20211206T16400_20211206T164840_C001  CS_OFFL_SIR_GOPR_2_20211206T16400_20211206T164840_C001  CS_OFFL_SIR_GOPR_2_20211206T16400_20211206T164840_C001  CS_OFFL_SIR_GOPR_2_20211206T16400_20211206T164840_C001  CS_OFFL_SIR_GOPR_2_20211206T16400_20211206T164840_C001  CS_OFFL_SIR_GOPR_2_20211206T10400_20211206T18440_C001  CS_OFFL_SIR_GOPR_2_20211206T10400_20211206T18440_C001  CS_OFFL_SIR_GOPR_2_20211206T10400_20211206T18440_C001  CS_OFFL_SIR_GOPR_2_20211206T10400_20211206T18440_C001  CS_OFFL_SIR_GOPR_2_20211206T10400_20211206T18440_C001  CS_OFFL_SIR_GOPR_2_20211206T10400_20211206T18440_C001  CS_OFFL_SIR_GOPR_2_20211206T10400_20211206T18440_C001  CS_OFFL_SIR_GOPR_2_20211206T10400_20211206T18440_C001  CS_OFFL_SIR_GOPR_2_20211206T10400_20211206T18440_C001  CS_OFFL_SIR_GOPR_2_20211206T04000_20211206T18440_C0	CS_OFFL_SIR_GOPR_2_20211206T134708_20211206T134802_C001		
and Backscatter Quality PLRM. COCG Alternater Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_GOPR_2_20211206T139240_20211206T139316_C001  CS_OFFL_SIR_GOPR_2_20211206T139240_20211206T139316_C001  CS_OFFL_SIR_GOPR_2_20211206T139240_20211206T139316_C001  CS_OFFL_SIR_GOPR_2_20211206T139240_20211206T139316_C001  CS_OFFL_SIR_GOPR_2_20211206T150948_20211206T15124_C001  CS_OFFL_SIR_GOPR_2_20211206T151934_20211206T1519844_C001  CS_OFFL_SIR_GOPR_2_20211206T151932_20211206T1519844_C001  CS_OFFL_SIR_GOPR_2_20211206T151932_20211206T158844_C001  CS_OFFL_SIR_GOPR_2_20211206T151932_20211206T158844_C001  CS_OFFL_SIR_GOPR_2_20211206T151932_20211206T158844_C001  CS_OFFL_SIR_GOPR_2_20211206T151932_20211206T158844_C001  CS_OFFL_SIR_GOPR_2_20211206T160402_20211206T158844_C001  CS_OFFL_SIR_GOPR_2_20211206T160402_20211206T158844_C001  CS_OFFL_SIR_GOPR_2_20211206T160402_20211206T158844_C001  CS_OFFL_SIR_GOPR_2_20211206T160402_20211206T158844_C001  CS_OFFL_SIR_GOPR_2_20211206T160402_20211206T160402_20011206T	CS_OFFL_SIR_GOPR_2_20211206T135111_20211206T135122_C001		
CS_OFFL_SIR_GOPR_2_20211206T143910_20211206T143915_C001  CS_OFFL_SIR_GOPR_2_20211206T150948_20211206T15124_C001  CS_OFFL_SIR_GOPR_2_20211206T150948_20211206T15124_C001  CS_OFFL_SIR_GOPR_2_20211206T150948_20211206T15124_C001  CS_OFFL_SIR_GOPR_2_20211206T150948_20211206T15124_C001  CS_OFFL_SIR_GOPR_2_20211206T151236_20211206T15124_C001  CS_OFFL_SIR_GOPR_2_20211206T151236_20211206T15124_C001  CS_OFFL_SIR_GOPR_2_20211206T151236_20211206T151254_C001  CS_OFFL_SIR_GOPR_2_20211206T151236_20211206T152544_C001  CS_OFFL_SIR_GOPR_2_20211206T151325_20211206T152544_C001  CS_OFFL_SIR_GOPR_2_20211206T151325_20211206T152544_C001  CS_OFFL_SIR_GOPR_2_20211206T151325_20211206T152544_C001  CS_OFFL_SIR_GOPR_2_20211206T151325_20211206T152544_C001  CS_OFFL_SIR_GOPR_2_20211206T15132_C0011206T152544_C001  CS_OFFL_SIR_GOPR_2_20211206T154027_20211206T154841_C001  CS_OFFL_SIR_GOPR_2_20211206T16544_20211206T155244_C001  CS_OFFL_SIR_GOPR_2_20211206T16544_20211206T165244_C001  CS_OFFL_SIR_GOPR_2_20211206T16544_20211206T165244_C001  CS_OFFL_SIR_GOPR_2_20211206T16544_20211206T165244_C001  CS_OFFL_SIR_GOPR_2_20211206T16544_20211206T165244_C001  CS_OFFL_SIR_GOPR_2_20211206T16544_20211206T165244_C001  CS_OFFL_SIR_GOPR_2_20211206T16544_20211206T165244_C001  CS_OFFL_SIR_GOPR_2_20211206T16544_20211206T165244_C001  CS_OFFL_SIR_GOPR_2_20211206T16544_0_20211206T164447_C001  CS_OFFL_SIR_GOPR_2_20211206T16544_0_20211206T184350_C001  Allender Range and Backscatter Quality PLRM, COCO Allender Range and Backscatter Quality Plags have been set for one or more records.  CS_OFFL_SIR_GOPR_2_20211206T184400_20211206T184350_C001  CS_OFFL_SIR_GOPR_2_20211206T16544_0_20211206T184350_C001  CS_OFFL_SIR_GOPR_2_20211206T16544_0_20211206T184350_C001  CS_OFFL_SIR_GOPR_2_20211206T184400_20211206T184350_C001  CS_OFFL_SIR_GOPR_2_20211206T184400_20211206T184400_20211206T184400_20211206T184400_20211206T184400_20211206T184400_20211206T184400_20211206T184400_20211206T184400_20211206T184400_20211206T184400_20211206T184400_20211206T184400_20211206T184400_20211206T184400_20211206T1	CS_OFFL_SIR_GOPR_2_20211206T135125_20211206T135227_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20211206T15126F15124_C001  CS_OFFL_SIR_GOPR_2_20211206T151265_20211206T15144_C001  CS_OFFL_SIR_GOPR_2_20211206T151265_20211206T151405_C001  CS_OFFL_SIR_GOPR_2_20211206T151265_20211206T151264_C001  CS_OFFL_SIR_GOPR_2_20211206T151265_20211206T151264_C001  CS_OFFL_SIR_GOPR_2_20211206T151265_20211206T151264_C001  CS_OFFL_SIR_GOPR_2_20211206T151265_20211206T1512644_C001  CS_OFFL_SIR_GOPR_2_20211206T151265_20211206T152644_C001  CS_OFFL_SIR_GOPR_2_20211206T154027_20211206T152644_C001  CS_OFFL_SIR_GOPR_2_20211206T164027_20211206T154841_C001  CS_OFFL_SIR_GOPR_2_20211206T164027_20211206T154841_C001  CS_OFFL_SIR_GOPR_2_20211206T164027_20211206T165244_C001  CS_OFFL_SIR_GOPR_2_20211206T16404_20211206T165284_C001  CS_OFFL_SIR_GOPR_2_20211206T185802_20211206T185802_0001  CS_OFFL_SIR_GOPR_2_20211206T185802_20211206T18447_C001  CS_OFFL_SIR_GOPR_2_20211206T184400_20211206T18447_C001  CS_OFFL_SIR_GOPR_2_20211206T184400_20211206T18447_C001  CS_OFFL_SIR_GOPR_2_20211206T184400_20211206T18447_C001  CS_OFFL_SIR_GOPR_2_20211206T184400_20211206T18447_C001  CS_OFFL_SIR_GOPR_2_20211206T184400_20211206T18447_C001  CS_OFFL_SIR_GOPR_2_20211206T184400_20211206T18447_C001  CS_OFFL_SIR_GOPR_2_20211206T184400_20211206T18447_C001  CS_OFFL_SIR_GOPR_2_20211206T184400_20211206T18447_C001  CS_OFFL_SIR_GOPR_2_20211206T184400_20211206T184447_C001  CS_OFFL_SIR_GOPR_2_20211206T184400_20211206T184447_C001  CS_OFFL_SIR_GOPR_2_20211206T184400_20211206T184447_C001  CS_OFFL_SIR_GOPR_2_20211206T184400_20211206T184447_C001  CS_OFFL_SIR_GOPR_2_20211206T02149_20211206T021302_C001  CS_OFFL_SIR_GOPR_2_20211206T02149_20211206T021302_C001  CS_OFFL_SIR_GOPR_2_20211206T02149_20211206T021302_C001  CS_OFFL_SIR_GOPR_2_20211206T02149_20211206T021302_C001  CS_OFFL_SIR_GOPR_2_20211206T02149_20211206T021302_C001  CS_OFFL_SIR_GOPR_2_20211206T02149_20211206T021302_C001  CS_OFFL_SIR_GOPR_2_20211206T02149_20211206T021302_C001  CS_OFFL_SIR_GOPR_2_20211206T02149_20211206T021302_C001  CS_OFFL_SIR_GOPR_2_20211206T02149_20211206T021302_C001  CS_OFFL_SIR_GOPR_2_20211	CS_OFFL_SIR_GOPR_2_20211206T135240_20211206T135316_C001		
OCOG Backscatter Quality  OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Backscatter Qualit	CS_OFFL_SIR_GOPR_2_20211206T143610_20211206T143915_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCG Backscatter Quality  CS_OFFL_SIR_GOPR_2_20211206T151264_C001  CS_OFFL_SIR_GOPR_2_20211206T151593_20211206T152644_C001  CS_OFFL_SIR_GOPR_2_20211206T15402T_20211206T152644_C001  CS_OFFL_SIR_GOPR_2_20211206T15402T_20211206T154841_C001  CS_OFFL_SIR_GOPR_2_20211206T15402T_20211206T154841_C001  CS_OFFL_SIR_GOPR_2_20211206T165141_20211206T165244_C001  CS_OFFL_SIR_GOPR_2_20211206T165141_20211206T165244_C001  CS_OFFL_SIR_GOPR_2_20211206T165141_20211206T165244_C001  CS_OFFL_SIR_GOPR_2_20211206T170404_20211206T170529_C001  CS_OFFL_SIR_GOPR_2_20211206T183602_20211206T184350_C001  CS_OFFL_SIR_GOPR_2_20211206T184400_20211206T184447_C001  CS_OFFL_SIR_GOPR_2_20211206T184400_20211206T184447_C001  CS_OFFL_SIR_GOPR_2_20211206T184400_20211206T184447_C001  CS_OFFL_SIR_GOPR_2_20211206T184400_20211206T184447_C001  CS_OFFL_SIR_GOPR_2_20211206T184400_20211206T184447_C001  CS_OFFL_SIR_GOPR_2_20211206T184400_20211206T184447_C001  CS_OFFL_SIR_GOPR_2_20211206T184400_20211206T184447_C001  CS_OFFL_SIR_GOPR_2_20211206T02539_20211206T020150_C001  CS_O	CS_OFFL_SIR_GOPR_2_20211206T150948_20211206T151124_C001		
CS_OFFL_SIR_GOPR_2_20211206T151953_20211206T152644_C001  and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_GOPR_2_20211206T165141_20211206T165244_C001  CS_OFFL_SIR_GOPR_2_20211206T165141_20211206T10529_C001  CS_OFFL_SIR_GOPR_2_20211206T170404_20211206T170529_C001  CS_OFFL_SIR_GOPR_2_20211206T183602_20211206T184450_C001  CS_OFFL_SIR_GOPR_2_20211206T184400_20211206T184447_C001  CS_OFFL_SIR_GOPR_2_20211206T184400_20211206T184447_C001  CS_OFFL_SIR_GOPR_2_20211206T184400_20211206T10510_C001  CS_OFFL_SIR_GOPR_2_20211206T184400_20211206T10510_C001  CS_OFFL_SIR_GOPR_2_20211206T184400_20211206T10510_C001  CS_OFFL_SIR_GOPR_2_20211206T184400_20211206T0010000000000000000000000000000	CS_OFFL_SIR_GOPR_2_20211206T151236_20211206T151405_C001	OCOG Backscatter Quality	
CS_OFFL_SIR_GOPR_2_20211206T15402T_20211206T165244_C001  CS_OFFL_SIR_GOPR_2_20211206T165141_20211206T165244_C001  CS_OFFL_SIR_GOPR_2_20211206T170404_20211206T170529_C001  CS_OFFL_SIR_GOPR_2_20211206T170404_20211206T170529_C001  CS_OFFL_SIR_GOPR_2_20211206T183602_20211206T184350_C001  CS_OFFL_SIR_GOPR_2_20211206T184400_20211206T184447_C001  CS_OFFL_SIR_GOPR_2_20211206T184400_20211206T184447_C001  CS_OFFL_SIR_GOPR_2_20211206T184400_20211206T184447_C001  CS_OFFL_SIR_GOPR_2_20211206T1052539_20211206T202710_C001  CS_OFFL_SIR_GOPR_2_20211206T205599_20211206T202710_C001  CS_OFFL_SIR_GOPR_2_20211206T205599_20211206T201312_C001  CS_OFFL_SIR_GOPR_2_20211206T205599_20211206T211320_C001  CS_OFFL_SIR_GOPR_2_20211206T205599_20211206T211320_C001  CS_OFFL_SIR_GOPR_2_20211206T205599_20211206T211320_C001  CS_OFFL_SIR_GOPR_2_20211206T21320_20211206T2113442_C001  CS_OFFL_SIR_GOPR_2_20211206T205599_20211206T210312_C001  CS_OFFL_SIR_GOPR_2_20211206T205599_20211206T210312_C001  CS_OFFL_SIR_GOPR_2_20211206T205599_20211206T210312_C001  CS_OFFL_SIR_GOPR_2_20211206T205599_20211206T210312_C001  CS_OFFL_SIR_GOPR_2_20211206T205599_20211206T210312_C001  CS_OFFL_SIR_GOPR_2_20211206T205599_20211206T210312_C001  CS_OFFL_SIR_GOPR_2_20211206T205599_20211206T210312_C001  CS_OFFL_SIR_GOPR_2_20211206T205599_20211206T210312_C001  CS_OFFL_SIR_GOPR_2_20211206T205599_20211206T201312_C001  CS_OFFL_SIR_GOPR_2_20211206T205599_20211206T210312_C001  CS_OFFL_SIR_GOPR_2_20211206T205599_20211206T201312_C001  CS_OFFL_SIR_GOPR_2_20211206T205599_20211206T210312_C001  CS_OFFL_SIR_GOPR_2_20211206T205599_20211206T210312_C001  CS_OFFL_SIR_GOPR_2_20211206T205599_20211206T210312_C001  CS_OFFL_SIR_GOPR_2_20211206T205599_20211206T210312_C001  CS_OFFL_SIR_GOPR_2_20211206T205599_20211206T210312_C001  CS_OFFL_SIR_GOPR_2_20211206T205599_20211206T210312_C001  CS_OFFL_SIR_GOPR_2_20211206T205599_20211206T203102_C001  CS_OFFL_SIR_GOPR_2_20211206T205599_20211206T203102_C001  CS_OFFL_SIR_GOPR_2_20211206T205599_20211206T203102_C001  CS_OFFL_SIR_GOPR_2_20211206T205599_20211206T203102	CS_OFFL_SIR_GOPR_2_20211206T151953_20211206T152644_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20211206T170404_20211206T170529_C001  CS_OFFL_SIR_GOPR_2_20211206T170404_20211206T170529_C001  CS_OFFL_SIR_GOPR_2_20211206T183602_20211206T184350_C001  CS_OFFL_SIR_GOPR_2_20211206T183602_20211206T18447_C001  CS_OFFL_SIR_GOPR_2_20211206T184400_20211206T184447_C001  CS_OFFL_SIR_GOPR_2_20211206T184400_20211206T184447_C001  CS_OFFL_SIR_GOPR_2_20211206T184400_20211206T184447_C001  CS_OFFL_SIR_GOPR_2_20211206T184400_20211206T18447_C001  CS_OFFL_SIR_GOPR_2_20211206T201419_20211206T202150_C001  CS_OFFL_SIR_GOPR_2_20211206T201419_20211206T202150_C001  CS_OFFL_SIR_GOPR_2_20211206T201419_20211206T202150_C001  CS_OFFL_SIR_GOPR_2_20211206T202539_20211206T202710_C001  CS_OFFL_SIR_GOPR_2_20211206T202539_20211206T202710_C001  CS_OFFL_SIR_GOPR_2_20211206T202539_20211206T202710_C001  CS_OFFL_SIR_GOPR_2_20211206T205595_20211206T201312_C001  CS_OFFL_SIR_GOPR_2_20211206T205595_20211206T210312_C001  CS_OFFL_SIR_GOPR_2_20211206T205595_20211206T210312_C001  CS_OFFL_SIR_GOPR_2_20211206T21320_20211206T210312_C001  CS_OFFL_SIR_GOPR_2_20211206T21320_20211206T210312_C001  CS_OFFL_SIR_GOPR_2_20211206T205595_20211206T210312_C001  CS_OFFL_SIR_GOPR_2_20211206T205595_20211206T205710_C001	CS_OFFL_SIR_GOPR_2_20211206T154027_20211206T154841_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20211206T170404_20211206T170529_C001  Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_GOPR_2_20211206T183602_20211206T184350_C001  CS_OFFL_SIR_GOPR_2_20211206T184400_20211206T184447_C001  CS_OFFL_SIR_GOPR_2_20211206T184400_20211206T184447_C001  CS_OFFL_SIR_GOPR_2_20211206T201419_20211206T202150_C001  CS_OFFL_SIR_GOPR_2_20211206T201419_20211206T202150_C001  CS_OFFL_SIR_GOPR_2_20211206T201419_20211206T202150_C001  CS_OFFL_SIR_GOPR_2_20211206T20539_20211206T202710_C001  CS_OFFL_SIR_GOPR_2_20211206T205959_20211206T210312_C001  CS_OFFL_SIR_GOPR_2_20211206T205959_20211206T210312_C001  CS_OFFL_SIR_GOPR_2_20211206T205959_20211206T210312_C001  CS_OFFL_SIR_GOPR_2_20211206T20130_20211206T210312_C001  CS_OFFL_SIR_GOPR_2_20211206T20130_20211206T210312_C001  CS_OFFL_SIR_GOPR_2_20211206T205959_20211206T210312_C001  CS_OFFL_SIR_GOPR_2_20211206T205	CS_OFFL_SIR_GOPR_2_20211206T165141_20211206T165244_C001	OCOG Backscatter Quality	
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_GOPR_2_20211206T184400_20211206T184447_C001  CS_OFFL_SIR_GOPR_2_20211206T201419_20211206T202150_C001  CS_OFFL_SIR_GOPR_2_20211206T201419_20211206T202150_C001  CS_OFFL_SIR_GOPR_2_20211206T202539_20211206T202710_C001  CS_OFFL_SIR_GOPR_2_20211206T205599_20211206T20312_C001  CS_OFFL_SIR_GOPR_2_20211206T205599_20211206T210312_C001  CS_OFFL_SIR_GOPR_2_20211206T205599_20211206T210312_C001  CS_OFFL_SIR_GOPR_2_20211206T205959_20211206T210312_C001  CS_OFFL_SIR_GOPR_2_20211206T211320_20211206T211642_C001  CS_OFFL_SIR_GOPR_2_20211206T205799_20211206T205790_C001  CS_OFFL_SIR_GOPR_2_20211206T205799_20211206T2	CS_OFFL_SIR_GOPR_2_20211206T170404_20211206T170529_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_GOPR_2_20211206T201419_20211206T202150_C001  CS_OFFL_SIR_GOPR_2_20211206T202539_20211206T202710_C001  CS_OFFL_SIR_GOPR_2_20211206T202539_20211206T202710_C001  CS_OFFL_SIR_GOPR_2_20211206T205959_20211206T202710_C001  CS_OFFL_SIR_GOPR_2_20211206T205959_20211206T210312_C001  Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags and the O	CS_OFFL_SIR_GOPR_2_20211206T183602_20211206T184350_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_GOPR_2_20211206T202539_20211206T202710_C001  CS_OFFL_SIR_GOPR_2_20211206T205959_20211206T210312_C001  CS_OFFL_SIR_GOPR_2_20211206T205959_20211206T210312_C001  Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and t	CS_OFFL_SIR_GOPR_2_20211206T184400_20211206T184447_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_GOPR_2_20211206T205959_20211206T210312_C001  and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  The Ocean Altimeter Range and Backscatter Quality Flags have been and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_GOPR_2_20211206T211320_20211206T211642_C001	CS_OFFL_SIR_GOPR_2_20211206T201419_20211206T202150_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscat	CS_OFFL_SIR_GOPR_2_20211206T202539_20211206T202710_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPR_2_20211206T205959_20211206T210312_C001	and Backscatter Quality PLRM, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_GOPR_2_20211206T211320_20211206T211642_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_GOPR_2_20211206T214957_20211206T215954_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_20211206T220603_20211206T220851_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_20211206T221107_20211206T221318_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_20211206T223900_20211206T224234_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_20211206T225212_20211206T225517_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_20211206T233158_20211206T233853_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_20211206T233853_20211206T235340_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

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

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

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

Number of products with errors: 1

### 5.8 L2 Ocean Retracking Quality Check

#### L2 Retracking Flags (20Hz)

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

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

Number of products with errors:

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

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

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

Number of products with errors:

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

#### 6.1 P2P Product Format Check

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

Number of products with errors:

## 6.2 P2P Product Header Analysis

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

Number of products with errors:

## 6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

## 6.4 P2P Auxiliary Correction Error Check

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20211205T233858_20211206T002838_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T002838_20211206T011813_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T011813_20211206T020753_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T020753_20211206T025728_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records

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CS_OFFL_SIR_GOP_2_20211206T025728_20211206T034707_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T034707_20211206T043642_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T043642_20211206T052622_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T052622_20211206T061557_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T061557_20211206T070537_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T070537_20211206T075512_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20211206T075512_20211206T084451_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T084451_20211206T093427_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T093427_20211206T102406_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T102406_20211206T111341_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T111341_20211206T120321_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20211206T120321_20211206T125256_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T125256_20211206T134235_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T134235_20211206T143210_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T143210_20211206T152150_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T152150_20211206T161125_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T161125_20211206T170105_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T170105_20211206T175040_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T175040_20211206T184020_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T184020_20211206T192955_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T192955_20211206T201934_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T201934_20211206T210909_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T210909_20211206T215849_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T215849_20211206T224824_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20211206T224824_20211206T233804_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20211206T233804_20211207T002739_C001	Mean Sea Surface (1), Mean Dynamic Topography (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_220211206T152150_20211206T161125_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 (20Hz)

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

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

### P2P Quality Flags (20Hz PLRM)

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

Number of products with errors:

2

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

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

Number of products with errors:

30

### 6.8 P2P Ocean Retracking Quality Check

## P2P Retracking Flags (20Hz)

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

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

Number of products with errors:

29

## P2P Retracking Flags PLRM

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

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

Number of products with errors:

30

## 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	204	204	5	199	0
SIR_GOPR1B	132	132	0	132	0
SIR_GOPN1B	105	105	1	104	0
SIR_GOPM_2	204	204	147	57	0
SIR_GOPR_2	132	132	50	76	6
SIR_GOPN_2	105	105	40	65	0
SIR GOP P2P	29	29	0	25	4

#### 7.1 QCC Errors

Number of QCC reports with errors:

10

Total number of occurrences of each error

Product Type	RLOBOPNCDF	RL	RL	RLOBOPNCDF	RL	RL	-	-	-	-	-
SIR_GOPR_2	6	1	6	6	1	6					
		•				•	•				•
Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	•	-	-	-	-	-	-

Test Description Key:	Test Description Key:					
Abbreviation	Test name	Details				
RLOBOPNCDF	RangeLatitudeOrBlankOP_7NetCDF	Latitude should be between -90E7 and 90E7				
RL	RangeLatitude_6	Latitude should be between -90E6 and 90E6				
RL	RangeLatitude_7	Latitude should be between -90E7 and 90E7				
RLOBOPNCDF	RangeLongitudeOrBlankOP_7NetCDF	Longitude should be between -180E7 and 180E7				
RL	RangeLongitude_6	Longitude should be between -180E6 and 180E6				
RL	RangeLongitude 7	Longitude should be between -180E7 and 180E7				

## 7.2 QCC Warnings

Number of QCC reports with warnings

2338

Total number of occurrences of each warning

	Total number of obstitutions of cash warning							
Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCE	
SIR_GOPM1B	199	0	0	0	0	0	0	
SIR_GOPM_2	0	0	40	40	0	50	0	
SIR_GOPN1B	103	0	0	0	0	0	0	
SIR_GOPN_2	0	0	9	29	4	22	25	
SIR_GOPR1B	127	0	0	0	0	0	0	
SIR_GOPR_2	0	6	42	50	0	43	33	

Г	Product Type	RBSZOPOEPNCDF	RNELPOTONCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNC	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF
	SIR GOPM1B	0	0	0	0	0	0	0
	SIR GOPM 2	37	0	36	0	0	0	0
	SIR_GOPN1B	0	0	0	0	0	0	0
	SIR_GOPN_2	15	0	0	0	20	0	31
	SIR_GOPR1B	0	0	0	0	0	0	0
	SIR GOPR 2	10	7	0	52	0	58	0

	Product Type	RPEPOPLRMNCDF	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
Ī	SIR_GOPM1B	0	0	0	0	0	0	0
	SIR_GOPM_2	29	0	0	8	25	0	4
	SIR_GOPN1B	0	0	0	0	0	0	0
	SIR_GOPN_2	0	0	24	20	50	56	36
	SIR_GOPR1B	0	0	0	0	0	0	0
	SIR GOPR 2	0	52	0	3	64	37	18

Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHRTASCNSNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	31	0	3	0	0	0	0
SIR_GOPN1B	0	0	0	0	0	44	1
SIR_GOPN_2	30	26	13	1	0	0	0
SIR_GOPR1B	0	0	0	0	0	132	11
SIR_GOPR_2	44	54	1	0	10	0	0

Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNC	RBSZOPOEPNCDF
SIR GOP 2	19	29	29	4	29	19	29

Product Type	RSSHAONCDF	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHLPQWNCDF	-	-			
SIR_GOP_2_	29	29	18	15	29					
Test Description Key:										
Abbreviation	Test name			Details						
BCSHNCDF	BurstCounterStep20H	zNetCDF		The burst counter should be one higher with regard to the previous burst counter						
IOHHMOOR	IndexOf1Hzin20HzMa	ppingOutOfRange		The mapping of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1)						
MVIOEPFDNCDF	MissingValueIntOcear	nExcludingPolarFD2NetCDF		The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees						
MVIOEPNCDF	MissingValueIntOcear	nExcludingPolarNetCDF		The value should not be a	'missing value' for surface ty	ype 0 only for latitudes betw	een -70 and 70 degrees			
MVIONCDF	MissingValueIntOcear	NetCDF		The value should not be a	'missing value' for surface ty	ype 0 only				
RBSZOPOEPFDNCDF	RangeBackscatterSig	maZeroOPOceanExcludingPolar	FD2NetCDF	The backscatter sigma zer between -70 and 70 degree		nd 7500 (or missing) for surf	ace type = ocean for latitude			
RBSZOPOEPFDPLRM NCDF	RangeBackscatterSig	maZeroOPOceanExcludingPolar		The backscatter sigma zero between -70 and 70 degree		nd 7500 (or missing) for surf	ace type = ocean for latitude			
RBSZOPOEPNCDF	RangeBackscatterSig	maZeroOPOceanExcludingPolar		The backscatter sigma zer between -70 and 70 degree		nd 7500 (or missing) for surf	ace type = ocean for latitude			
RNELPOTONCDF	RangeNELPOceanTid	leOceanNetCDF		The Non-equilibrium long p for surface type = ocean	period ocean loading tide he	ight should be between -40	mm and 40mm (or missing)			
RPEPOPFDLRMNCDF	RangePeakinessExclu	udingPolarOPFD2LRMNetCDF			petween 0 and 6400 (or miss	sing) for surface type = oce	an for latitudes between -70			
RPEPOPFDPLRMSAR NCDF	RangePeakinessExclu	udingPolarOPFD2PLRMSARNet0		The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees						
RPEPOPFDPLRMSIN NCDF	RangePeakinessExclu	udingPolarOPFD2PLRMSINNetC		The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees						
RPEPOPFDSARNCDF	RangePeakinessExclu	udingPolarOPFD2SARNetCDF		The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees						
RPEPOPFDSINNCDF	RangePeakinessExclu	udingPolarOPFD2SINNetCDF		The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees						
RPEPOPLRMNCDF	RangePeakinessExclu	udingPolarOPLRMNetCDF		The Peakiness should be band 70 degrees	petween 0 and 6400 (or miss	sing) for surface type = oce	an for latitudes between -70			
RPEPOPSARNCDF	RangePeakinessExclu	udingPolarOPSARNetCDF			petween 0 and 15000 (or mis	ssing) for surface type = oc	ean for latitudes between -70			
RPEPOPSINNCDF	RangePeakinessExclu	udingPolarOPSINNetCDF		The Peakiness should be tand 70 degrees	petween 0 and 90000 (or mis	ssing) for surface type = oc	ean for latitudes between -70			
RSSBCONCDF	RangeSeaStateBiasC	orrectionOceanNetCDF		The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean						
RSSHAOFDNCDF	RangeSeaSurfaceHei	ghtAnomalyOceanFD3NetCDF		The sea surface height and ocean	omaly should be between -3	000mm and 3000mm (or m	ssing) for surface type =			
RSSHAOFDPLRMNCD	RangeSeaSurfaceHei	ghtAnomalyOceanFD3PLRMNet	CDF	The sea surface height and ocean	omaly should be between -3	000mm and 3000mm (or m	ssing) for surface type =			
RSSHAONCDF	RangeSeaSurfaceHei	ghtAnomalyOceanNetCDF			omaly should be between -3	000mm and 3000mm (or m	ssing) for surface type =			
RSWHOEPFDNCDF	RangeSignificantWav	eHeightOceanExcludingPolarFD	2NetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees						
RSWHOEPFDPLRMN CDF	RangeSignificantWav	eHeightOceanExcludingPolarFD	2PLRMNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees						
RSWHOEPNCDF	RangeSignificantWav	eHeightOceanExcludingPolarNet	CDF		t should be between 0mm a	nd 15000mm (or missing) for	or surface type = ocean for			
SPHRTASCNSNCDF	SPH_Rel_Time_ASC_	_Node_Start_v2_NetCDF			ert mismatch (DBL ASC, rour	nded up to 0.1)				

RPEPOPSINNCDF

23

RSSBCONCDF

The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample

The sequence counter should be modulo 4 higher with regard to the previous sequence counter

The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter

23

RSSHAOFDNCDF

29

RSSHAOFDPLRMNCDF

18

## 7.3 Missing QCC Reports

SOOHHIFHD

SCSTODNCDF

SCSTODHRNCDF

Product Type SIR\_GOP\_2\_ RNELPOTONCDF

18

RPEPOPFDPLRMSINNCD RPEPOPFDSINNCDF

29

Number of products with missing QCC reports:

SameOrOneHigher1HzIndexFor20HzData

SequenceCounterStepTODHRNetCDF

SequenceCounterStepTODNetCDF