

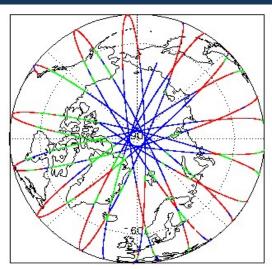
1. Overview

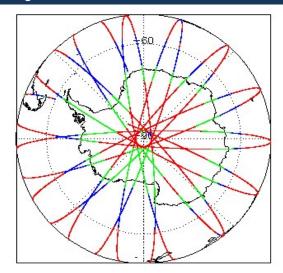
Report Production:	08-Sep-2022	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data	

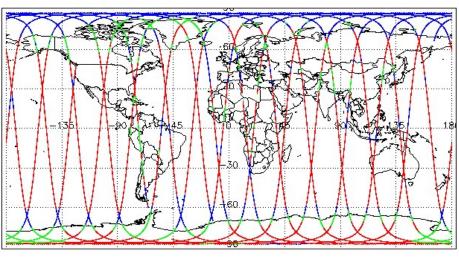
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	See Sections 4.1 and 5.1	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary Correction Error Check	See Section 5.4	See Section 6.4
Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5	See Section 6.5
Range, SWH & Backscatter Measurement Check	See Section 5.6	See Section 6.6
Ocean Retracking Quality Check	See Section 5.7	See Section 6.7
QCC Error/ Warning Check	See Section 7.1, 7.2 and 7.3	See Section 7.1 and 7.2

Mission / Instrument News		
05-Aug-2022	None	
06-Aug-2022	None	
07-Aug-2022	Nothing planned	

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use:	SIRAL - A
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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 Ib_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.

mber 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.

0

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_20220806T052412_20220806T053306_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

4.6 L1B Waveform Group Data Check

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

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

Number of products with errors: 18

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20220806T015932_20220806T021645_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20220806T073553_20220806T075733_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20220806T090557_20220806T090649_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220806T021922_20220806T022150_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220806T035604_20220806T040032_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220806T091521_20220806T091601_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220806T171827_20220806T171911_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220806T203210_20220806T203237_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220806T204211_20220806T204325_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220806T225835_20220806T230250_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220806T234802_20220806T235207_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220806T024919_20220806T025058_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220806T040032_20220806T040747_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220806T053856_20220806T054737_C001	Loss of Echo	The tracking echo is missing for one or more records

5. GOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors: Not 0

5.2 L2 Product Header Analysis

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

Number of products with errors: 0

5.3 L2 Auxiliary Data File Usage Check

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20220806T170948_20220806T171052_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPM_2_20220807T000000_20220807T003518_C001	GIM Ionospheric Correction	There is an error with the GIM lonospheric correction for one or more records
CS_OFFL_SIR_GOPN_2_20220806T004124_20220806T004235_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T013600_20220806T013751_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T021922_20220806T022150_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20220806T035604_20220806T040032_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20220806T044504_20220806T044613_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_20220806T053509_20220806T053855_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT and solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20220806T071021_20220806T071549_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_20220806T095053_20220806T095400_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T112353_20220806T112642_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T112954_20220806T113330_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T130433_20220806T130707_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T135941_20220806T140101_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T144007_20220806T144551_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T153414_20220806T153505_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20220806T153913_20220806T154123_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T154232_20220806T154501_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_20220806T162158_20220806T162337_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_20220806T163223_20220806T163433_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_20220806T171827_20220806T171911_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T171914_20220806T172313_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_20220806T194111_20220806T194504_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT and solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20220806T212059_20220806T212412_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T220536_20220806T220651_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_20220806T225835_20220806T230250_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T230829_20220806T230953_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T234802_20220806T235207_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPR_2_20220806T004235_20220806T004946_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T022150_20220806T022927_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T040032_20220806T040747_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPR_2_20220806T053856_20220806T054737_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T071549_20220806T072327_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T085522_20220806T090146_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T090147_20220806T090415_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T103330_20220806T104045_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T104045_20220806T104225_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T121458_20220806T121944_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_20220806T121945_20220806T122106_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T135231_20220806T135827_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T135828_20220806T135941_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T153506_20220806T153553_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T153553_20220806T153913_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T171120_20220806T171826_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T185326_20220806T185856_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T202146_20220806T202326_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_20220806T203237_20220806T204028_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T220357_20220806T220535_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_20220806T221055_20220806T222002_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T235207_20220806T235959_C001	Mean Sea Surface (1), Mean Dynamic Topography (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_20220806T052412_20220806T053306_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20 Hz)

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20220806T000344_20220806T003000_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_20220806T003015_20220806T003732_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_20220806T003858_20220806T004124_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_20220806T004946_20220806T010417_C001	and Backscatter Quality, OCOG Altimeter	The Ocean Altimeter Range, SSHA, SWH 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_20220806T011053_20220806T012559_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_20220806T012822_20220806T013340_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_20220806T013359_20220806T013600_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_20220806T014433_20220806T015718_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_20220806T015932_20220806T021645_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_20220806T023852_20220806T024823_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_20220806T025058_20220806T030452_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_20220806T030747_20220806T031252_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_20220806T031316_20220806T031431_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_20220806T032140_20220806T032221_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_20220806T033119_20220806T033306_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_20220806T033911_20220806T034310_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_20220806T034434_20220806T035123_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_20220806T041340_20220806T041503_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_20220806T042740_20220806T044346_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_20220806T045231_20220806T045413_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_20220806T045927_20220806T052307_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_20220806T055849_20220806T062255_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_20220806T062602_20220806T063124_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_20220806T063131_20220806T063456_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_20220806T063837_20220806T070532_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_20220806T070641_20220806T071021_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_20220806T073353_20220806T073540_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_20220806T073553_20220806T075733_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_20220806T075744_20220806T080231_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_20220806T080555_20220806T081404_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_20220806T081854_20220806T085134_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_20220806T090557_20220806T090649_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_20220806T093509_20220806T094052_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_20220806T094534_20220806T095053_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_20220806T095754_20220806T101905_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_20220806T102151_20220806T103329_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_20220806T104250_20220806T104724_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_20220806T110313_20220806T110756_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_20220806T110944_20220806T112002_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_20220806T113710_20220806T114146_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_20220806T114156_20220806T120340_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_20220806T120450_20220806T121332_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_20220806T122507_20220806T122528_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_20220806T122614_20220806T123313_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_20220806T123333_20220806T125732_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_20220806T130708_20220806T130901_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_20220806T131632_20220806T132119_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_20220806T132213_20220806T133211_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_20220806T133538_20220806T134336_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_20220806T140102_20220806T140512_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_20220806T140627_20220806T142011_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_20220806T142826_20220806T143907_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_20220806T144552_20220806T144817_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_20220806T144847_20220806T145310_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_20220806T145555_20220806T150954_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_20220806T151134_20220806T152234_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_20220806T155212_20220806T155534_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_20220806T155657_20220806T160154_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_20220806T160407_20220806T161953_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_20220806T162338_20220806T163223_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_20220806T163537_20220806T165703_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_20220806T172313_20220806T172413_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_20220806T173416_20220806T175916_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_20220806T180548_20220806T181016_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_20220806T181512_20220806T184008_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_20220806T184706_20220806T185042_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_20220806T190741_20220806T191010_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_20220806T191135_20220806T193732_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_20220806T194505_20220806T195055_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_20220806T195344_20220806T200739_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_20220806T201134_20220806T201329_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_20220806T203001_20220806T203127_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_20220806T204325_20220806T211654_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_20220806T212412_20220806T212927_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_20220806T213317_20220806T213410_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_20220806T213610_20220806T213859_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_20220806T220652_20220806T221055_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_20220806T222002_20220806T223215_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_20220806T223502_20220806T225613_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_20220806T230251_20220806T230414_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_20220806T230421_20220806T230829_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (20 Hz PLRM)

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20220806T003758_20220806T003858_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_20220806T021922_20220806T022150_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_20220806T032756_20220806T033118_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_20220806T033306_20220806T033846_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_20220806T035145_20220806T035307_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_20220806T035604_20220806T040032_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_20220806T044504_20220806T044613_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_20220806T053307_20220806T053428_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_20220806T053509_20220806T053855_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_20220806T054850_20220806T055012_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_20220806T055446_20220806T055849_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_20220806T071021_20220806T071549_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_20220806T085135_20220806T085308_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_20220806T085348_20220806T085521_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_20220806T090719_20220806T090842_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_20220806T112353_20220806T112642_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_20220806T112954_20220806T113330_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_20220806T121443_20220806T121458_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_20220806T130433_20220806T130707_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_20220806T131342_20220806T131526_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_20220806T134455_20220806T134640_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_20220806T135941_20220806T140101_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_20220806T144007_20220806T144551_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records

COPTLIGHT COPTLIGHT 2020000716192 2020000716192 002000716192 00200 Shattered Page Coulty PERM. DO OFTLIGHT COPTLIGHT 202000716192 202000716192 00200 Shattered Page Coulty PERM. DO COPTLIGHT COPTL	CS_OFFL_SIR_GOPN_2_20220806T145310_20220806T145449_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
Co. OFFL. SR GOPN 2 2022800T 194752 2022000T 19682 C091 CO OFFL SR GOPN 2 2022800T 195752 2022000T 19682 C091 CO OFFL SR GOPN 2 2022800T 195752 2022000T 19685 C091 CO OFFL SR GOPN 2 2022800T 195752 2022000T 19685 C091 CO OFFL SR GOPN 2 2022800T 19575 C09200T 19685 C091 CO OFFL SR GOPN 2 2022800T 195755 2022000T 19685 C091 CO OFFL SR GOPN 2 2022800T 195755 2022000T 19685 C091 CO OFFL SR GOPN 2 2022800T 195755 2022000T 19685 C091 CO OFFL SR GOPN 2 2022800T 195755 2022000T 19685 C091 CO OFFL SR GOPN 2 2022800T 19685 2022000T 19685 C091 CO OFFL SR GOPN 2 2022800T 19685 2022000T 19685 C091 CO OFFL SR GOPN 2 2022800T 19685 202200T 19685 C091 CO OFFL SR G	CS_OFFL_SIR_GOPN_2_20220806T153913_20220806T154123_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	
CB_OFFL_SR_GORN_2_2022880F19062_2022800F19062_CO. CB_OFFL_SR_GORN_2_2022880F19062_2022800F19062_CO. CB_OFFL_SR_GORN_2_2022880F19062_2022800F19062_CO. CB_OFFL_SR_GORN_2_2022880F19062_2022800F17064_CO. CB_OFFL_SR_GORN_2_2022880F19062_2022800F17064_CO. CB_OFFL_SR_GORN_2_2022880F19062_2022800F17064_CO. CB_OFFL_SR_GORN_2_2022880F17062_2022880F17064_CO. CB_OFFL_SR_GORN_2_2022880F17064_CO. CB_OFFL_SR_GORN_2_2022880F17064_2022880F17064_CO. CB_OFFL_SR_GORN_2_20	CS_OFFL_SIR_GOPN_2_20220806T154232_20220806T154501_C001		
CB_DFF_SR_COPU_2_2020680T195102_0020680T10010_0001 CB_DFF_SR_COPU_2_2020680T195102_0020680T17010_0001 CB_DFF_SR_COPU_2_2020680T195102_0020680T17010_0001 CB_DFF_SR_COPU_2_2020680T195102_0020680T17010_0001 CB_DFF_SR_COPU_2_2020680T195102_0020680T17010_0001 CB_DFF_SR_COPU_2_2020680T195102_0020680T17010_0001 CB_DFF_SR_COPU_2_2020680T195102_0020680T17010_0001 CB_DFF_SR_COPU_2_2020680T195102_0020680T17010_0001 CB_DFF_SR_COPU_2_2020680T195102_0020680T17010_0001 CB_DFF_SR_COPU_2_2020680T171010_0001 CB_DFF_SR_COPU_2_2020680T1710100_0001 CB_DFF_SR_COPU_2_2020680T1710100_0001 CB_DFF_SR_COPU_2_2020680T1710100_0001 CB_DFF_SR_COPU_2_2020680T1710100_0001 CB_DFF_SR_COPU_2	CS_OFFL_SIR_GOPN_2_20220806T154702_20220806T154824_C001		
Co. OFFL SIR, GOPN 2.20200001178989 20200001178917 C001 COO. Allender Range Cashly PLRM. The COO. Range and Backscatter Cashly Plags have been set for one or more received. Coo. Allender Range Cashly PLRM. The COO. Range and Backscatter Cashly Plags have been set for one or more received. Coo. Allender Range Cashly PLRM. The COO. Range and Backscatter Cashly Plags have been set for one or more received. Coo. Allender Range Cashly PLRM. The COO. Range and Backscatter Cashly Plags have been set for one or more received. Coo. Allender Range Cashly PLRM. The COO. Range and Backscatter Cashly Plags have been set for one or more received. Coo. Allender Range Cashly PLRM. The COO. Range and Backscatter Cashly Plags have been set for one or more received. Coo. Allender Range Cashly PLRM. The COO. Range and Backscatter Cashly Plags have been set for one or more received. Coo. Allender Range Cashly PLRM. The COO. Range and Backscatter Cashly Plags have been set for one or more received. Coo. Allender Range Cashly PLRM. The COO. Range and Backscatter Cashly Plags have been set for one or more received. Coo. Allender Range Cashly PLRM. The COO. Range and Backscatter Cashly Plags have been set for one or more received. Coo. Allender Range Cashly PLRM. The COO. Range and Backscatter Cashly Plags have been set for one or more received. Coo. Allender Range Cashly PLRM. The COO. Range and Backscatter Cashly Plags have been set for one or more received. Coo. Allender Range Cashly PLRM. The COO. Range and Backscatter Cashly Plags have been set for one or more received. Coo. Allender Range Cashly PLRM. The COO. Range and Backscatter Cashly Plags have been set for one or more received. Coo. Allender Range Cashly PLRM. The COO. Range and Backscatter Cashly Plags have been set for one or more received. Coo. Allender Range Cashly PLRM. The COO. Range and Backscatter Cashly Plags have been set for one or more received. Coo. Allender Range Cashly PLRM. The COO. Range and Backscatter Cashly Plags have	CS_OFFL_SIR_GOPN_2_20220806T155534_20220806T155656_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CG_OFFL_SIR_GOPN_2_20220000T170939_2022080ET170914_CDC01 CG_OFFL_SIR_GOPN_2_20220000T170939_2022080ET170914_CDC01 CG_OFFL_SIR_GOPN_2_20220000T170939_2022080ET170914_CDC01 CG_OFFL_SIR_GOPN_2_20220000T170939_2022080ET170939_CDC01 CG_OFFL_SIR_GOPN_2_20220000T170939_2022080ET170939_CDC01 CG_OFFL_SIR_GOPN_2_20220000T170939_2022080ET180039_CDC01 CG_OFFL_SIR_GOPN_2_20220000T170939_2022080ET120099_CDC01 CG_OFFL_SIR_GOPN	CS_OFFL_SIR_GOPN_2_20220806T160155_20220806T160406_C001		
CS_OFFL_SIR_GOPN_2_2022000F171914_2022008F171915_COOI CS_OFFL_SIR_GOPN_2_2022000F171914_2022008F171915_COOI CS_OFFL_SIR_GOPN_2_2022000F171914_2022008F1719315_COOI CS_OFFL_SIR_GOPN_2_2022000F171914_2022008F1719315_COOI CS_OFFL_SIR_GOPN_2_2022000F171914_2022008F1719315_COOI CS_OFFL_SIR_GOPN_2_2022000F171914_2022008F1719315_COOI CS_OFFL_SIR_GOPN_2_2022000F171914_2022008F1719315_COOI CS_OFFL_SIR_GOPN_2_2022000F171914_2022008F1719315_COOI CS_OFFL_SIR_GOPN_2_2022000F171914_2022008F1719315_COOI CS_OFFL_SIR_GOPN_2_2022000F1719014_2022008F1719315_COOI CS_OFFL_SIR_GOPN_2_2022000F1719014_2022008F1719315_COOI CS_OFFL_SIR_GOPN_2_2022000F1719014_2022008F1719315_COOI CS_OFFL_SIR_GOPN_2_2022000F1719014_2022008F1719315_COOI CCG_OFFL_SIR_GOPN_2_2022000F1719014_2022008F1719315_COOI CCG_OFFL_SIR_GOPN_2_2022000F1719014_2022008F1719315_COOI CCG_OFFL_SIR_GOPN_2_2022000F1719014_2022008F1719015_COOI CCG_OFFL_SIR_GOPN_2_2022000F1719014_2022008F1719015_COOI CCG_OFFL_SIR_GOPN_2_2022000F1719014_2022008F1719015_COOI CCG_OFFL_SIR_GOPN_2_2022000F1719014_2022008F1719015_COOI CCG_OFFL_SIR_GOPN_2_2022000F1719014_2022008F1719015_COOI CCG_OFFL_SIR_GOPN_2_2022000F1719014_2022008F1719015_COOI CCG_OFFL_SIR_GOPN_2_2022000F1719014_2022008F1719015_COOI CCG_OFFL_SIR_GOPN_2_2022000F1719014_2022008F1719015_COOI CCG_OFFL_SIR_GOPN_2_2022000F1719014_2022008F1719015_COOI CCG_OFFL_SIR_GOPN_2_2022000F1719014_2022008F1720150_COOI CCG_OFFL_SIR_GOPN_2_2022000F1719014_2022008F1720150_COOI CCG_OFFL_SIR_GOPN_2_2022000F1720015_COOI CCG_OFFL_SIR_GOP	CS_OFFL_SIR_GOPN_2_20220806T165902_20220806T170210_C001		
OCOS Allemeter Range and Blackscatter Quality P.EM. OCOS Blackscatter Quality	CS_OFFL_SIR_GOPN_2_20220806T170859_20220806T170947_C001		
and Baskescatier Quality PLRM. CS_OFFL_SIR_GOPN_2_22220806T17914_20220806T172913_C001 CS_OFFL_SIR_GOPN_2_22220806T172414_20220806T172935_C001 CS_OFFL_SIR_GOPN_2_22220806T172414_20220806T172935_C001 CS_OFFL_SIR_GOPN_2_22220806T172414_20220806T172935_C001 CS_OFFL_SIR_GOPN_2_22220806T180105_20220806T180000_C001 CS_OFFL_SIR_GOPN_2_22220806T180105_20220806T180040_C001 CS_OFFL_SIR_GOPN_2_22220806T180105_20220806T180040_C001 CS_OFFL_SIR_GOPN_2_22220806T180105_20220806T180040_C001 CS_OFFL_SIR_GOPN_2_22220806T180105_20220806T180040_C001 CS_OFFL_SIR_GOPN_2_22220806T180105_20220806T180040_C001 CS_OFFL_SIR_GOPN_2_22220806T180105_20220806T180240_C001 CS_OFFL_SIR_GOPN_2_22220806T180105_20220806T180240_C001 CS_OFFL_SIR_GOPN_2_22220806T180105_20220806T180240_C001 CS_OFFL_SIR_GOPN_2_22220806T200007_20220806T200001_C001 CS_OFFL_SIR_GOPN_2_22220806T200007_20220806T200001_C001 CS_OFFL_SIR_GOPN_2_22220806T200007_20220806T200001_C001 CS_OFFL_SIR_GOPN_2_22220806T200007_20220806T200001_C001 CS_OFFL_SIR_GOPN_2_22220806T200007_20220806T200001_C001 CS_OFFL_SIR_GOPN_2_22220806T200007_20220806T200001_C001 CS_OFFL_SIR_GOPN_2_22220806T200007_20220806T200007_C001 CS_OFFL_SIR_GOPN_2_222220806T200007_20220806T200007_C001 CS_OFFL_SIR_GOPN_2_222220806T200007_20220806T200007_C001 CS_OFFL_SIR_GOPN_2_222220806T200007_20220806T200007_C001 CS_OFFL_SIR_GOPN_2_20220806T200007_20220806T200007_C001 CS_OFFL_SIR_GOPN_2_20220806T200007_20220806T200007_C001 CS_OFFL_SIR_GOPN_	CS_OFFL_SIR_GOPN_2_20220806T171827_20220806T171911_C001		
OCCG Backscatter Quality OCCG Backscatter Q	CS_OFFL_SIR_GOPN_2_20220806T171914_20220806T172313_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCOG Barbascater Quality SOFFL_SIR_GOPN_2_20220806T18045_20220806T190548_0001 CS_OFFL_SIR_GOPN_2_20220806T180107_20220806T18028_0001 CS_OFFL_SIR_GOPN_2_20220806T191017_20220806T181288_0001 CS_OFFL_SIR_GOPN_2_20220806T195056_20220806T195221_0001 CS_OFFL_SIR_GOPN_2_20220806T195056_20220806T195221_0001 CS_OFFL_SIR_GOPN_2_20220806T195056_20220806T195221_0001 CS_OFFL_SIR_GOPN_2_20220806T195056_20220806T195221_0001 CS_OFFL_SIR_GOPN_2_20220806T195056_20220806T195221_0001 CS_OFFL_SIR_GOPN_2_20220806T20937_20220806T203001_0001 CS_OFFL_SIR_GOPN_2_20220806T204028_20220806T203001_0001 CS_OFFL_SIR_GOPN_2_20220806T204028_20220806T20307_0001 CS_OFFL_SIR_GOPN_2_20220806T204028_20220806T20307_0001 CS_OFFL_SIR_GOPN_2_20220806T204028_20220806T20307_0001 CS_OFFL_SIR_GOPN_2_20220806T203536_20220806T203050_0001 CS_OFFL_SIR_GOPN_2_20220806T203050_0001 CS_O	CS_OFFL_SIR_GOPN_2_20220806T172414_20220806T172535_C001		
CS_OFFL_SIR_GOPN_2_20220806T181017_20220806T195281_C001 CS_OFFL_SIR_GOPN_2_20220806T195056_20220806T196221_C001 CS_OFFL_SIR_GOPN_2_20220806T195056_20220806T203001_C001 CS_OFFL_SIR_GOPN_2_20220806T203037_20220806T203001_C001 CS_OFFL_SIR_GOPN_2_20220806T203037_20220806T203001_C001 CS_OFFL_SIR_GOPN_2_20220806T203037_20220806T203001_C001 CS_OFFL_SIR_GOPN_2_20220806T204028_20220806T203001_C001 CS_OFFL_SIR_GOPN_2_20220806T204028_20220806T204125_C001 CS_OFFL_SIR_GOPN_2_20220806T204028_20220806T204037_C001 CS_OFFL_SIR_GOPN_2_20220806T204028_20220806T204037_C001 CS_OFFL_SIR_GOPN_2_20220806T205385_20220806T203037_C001 CS_OFFL_SIR_GOPN_2_20220806T205385_20220806T203033_C001 CS_OFFL_SIR_GOPN_2_20220806T205385_20220806T203033_C001 CS_OFFL_SIR_GOPN_2_20220806T205385_20220806T203033_C001 CS_OFFL_SIR_GOPN_2_20220806T20533242_20220806T230332_C001 CS_OFFL_SIR_GOPN_2_20220806T20533242_20220806T2303332_C001 CS_OFFL_SIR_GOPN_2_20220806T20533242_20220806T2303332_C001 CS_OFFL_SIR_GOPN_2_20220806T205333242_20220806T2303332_C001 CCCG_Allimeter Range_Sid_Sid_Sid_CodMiniter Range and Backscatter Quality Flags have been set for one or more records CCCG_Allimeter Range and Backscatter Quality Flags have been set for one or more records CCCG_Allimeter Range and Backscatter Quality Flags have been set for one or more records CCCG_Allimeter Range and	CS_OFFL_SIR_GOPN_2_20220806T180135_20220806T180300_C001		
CS_OFFL_SIR_GOPN_2_20220806T195056_20220806T195221_C001 CS_OFFL_SIR_GOPN_2_20220806T195056_20220806T195221_C001 CS_OFFL_SIR_GOPN_2_20220806T195056_20220806T195221_C001 CS_OFFL_SIR_GOPN_2_20220806T203937_20220806T203031_C001 CS_OFFL_SIR_GOPN_2_20220806T203937_20220806T203031_C001 CS_OFFL_SIR_GOPN_2_20220806T204028_20220806T204125_C001 CS_OFFL_SIR_GOPN_2_20220806T204028_20220806T204125_C001 CS_OFFL_SIR_GOPN_2_20220806T204028_20220806T204125_C001 CS_OFFL_SIR_GOPN_2_20220806T204028_20220806T204125_C001 CS_OFFL_SIR_GOPN_2_20220806T204028_20220806T204125_C001 CS_OFFL_SIR_GOPN_2_20220806T20417_20220806T202039_C001 CS_OFFL_SIR_GOPN_2_20220806T20417_20220806T202039_C001 CS_OFFL_SIR_GOPN_2_20220806T20536_20220806T200551_C001 CS_OFFL_SIR_GOPN_2_20220806T20536_20220806T200551_C001 CS_OFFL_SIR_GOPN_2_20220806T20536_20220806T200551_C001 CS_OFFL_SIR_GOPN_2_20220806T20536_20220806T200551_C001 CS_OFFL_SIR_GOPN_2_20220806T20536_20220806T200550_C001 CS_OFFL_SIR_GOPN_2_20220806T20536_20220806T200550_C001 CS_OFFL_SIR_GOPN_2_20220806T20536_20220806T200550_C001 CS_OFFL_SIR_GOPN_2_20220806T20056_20220806T200550_C001 CS_OFFL_SIR_GOPN_2_20220806T20056_20220806T200500_C001 CS_OFFL_SIR_GOPN_2_20220806T200500_C001	CS_OFFL_SIR_GOPN_2_20220806T180445_20220806T180548_C001		
CS_OFFL_SIR_GOPN_2_20220806T195056_20220806T195221_C001 and Backscatter Quality PLRM. COCG Altimeter Range and Backscatter Quality PLRM. COCG Altimeter Range and Backscatter Quality Fligs have been set for one or more records CS_OFFL_SIR_GOPN_2_20220806T204028_20220806T204125_C001 CS_OFFL_SIR_GOPN_2_20220806T204028_20220806T204125_C001 CS_OFFL_SIR_GOPN_2_20220806T212928_20220806T213037_C001 CS_OFFL_SIR_GOPN_2_20220806T212928_20220806T213037_C001 CS_OFFL_SIR_GOPN_2_20220806T212928_20220806T213037_C001 CS_OFFL_SIR_GOPN_2_20220806T220447_20220806T220239_C001 CS_OFFL_SIR_GOPN_2_20220806T220447_20220806T220239_C001 CS_OFFL_SIR_GOPN_2_20220806T220536_20220806T220551_C001 CS_OFFL_SIR_GOPN_2_20220806T220536_20220806T230350_C001 CS_OFFL_SIR_GOPN_2_20220806T220536_20220806T230350_C001 CS_OFFL_SIR_GOPN_2_20220806T233342_20220806T230350_C001 CS_OFFL_SIR_GOPN_2_20220806T233342_20220806T233336_C001 CCCG Altimeter Range Quality PLRM. COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCGG Range and Backscatter Quality Flags have been set for one or more records The OCGG Range and Backscatter Quality Flags have been set for one or more records The OCGG Range and Backscatter Quality Flags have been set for one or more records The OCGG Range and Backscatter Quality Flags have been set for one or more records The OCGG Range and Backscatter Quality Flags have been set for one or more records The OCGG Range and Backscatter Quality Flags have been set for one or more records The OCGG Range and Backscatter Quality Flags have been set for one or more records The OCGG Range and Backscatter Quality Flags have been set for one or more records The OCGG Range and Backscatter Quality Flags have been set for one or more records The OCGG Range and Backscatter Quality Flags have been set for one or more records The OCGG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20220806T233420_20220806T233520_C001 CS_OFFL_SIR_GOPN_2_20220806T	CS_OFFL_SIR_GOPN_2_20220806T181017_20220806T181238_C001		
CS_OFFL_SIR_GOPN_2_20220806T204028_20220806T204125_C001 CS_OFFL_SIR_GOPN_2_20220806T212928_20220806T213037_C001 CS_OFFL_SIR_GOPN_2_20220806T212928_20220806T213037_C001 CS_OFFL_SIR_GOPN_2_20220806T220147_20220806T220239_C001 CS_OFFL_SIR_GOPN_2_20220806T220147_20220806T220239_C001 CS_OFFL_SIR_GOPN_2_20220806T220356_20220806T220239_C001 CS_OFFL_SIR_GOPN_2_20220806T220356_20220806T220255_C001 CS_OFFL_SIR_GOPN_2_20220806T220356_20220806T22055_C001 CS_OFFL_SIR_GOPN_2_20220806T220356_20220806T230250_C001 CS_OFFL_SIR_GOPN_2_20220806T220352_0001 CS_OFFL_SIR_GOPN_2_20220806T230359_2000000000000000000000000000000000000	CS_OFFL_SIR_GOPN_2_20220806T195056_20220806T195221_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_GOPN_2_20220806T212928_20220806T22039_C001 CS_OFFL_SIR_GOPN_2_20220806T22036_20220806T22039_C001 CS_OFFL_SIR_GOPN_2_20220806T22056_20220806T220651_C001 CS_OFFL_SIR_GOPN_2_20220806T22056_20220806T220651_C001 CS_OFFL_SIR_GOPN_2_20220806T22058_20220806T230250_C001 CS_OFFL_SIR_GOPN_2_20220806T22058_20220806T230250_C001 CS_OFFL_SIR_GOPN_2_20220806T230829_20220806T230953_C001 CS_OFFL_SIR_GOPN_2_20220806T230829_20220806T230953_C001 CS_OFFL_SIR_GOPN_2_20220806T230829_20220806T230953_C001 CS_OFFL_SIR_GOPN_2_20220806T230829_20220806T230953_C001 CS_OFFL_SIR_GOPN_2_20220806T230829_20220806T230953_C001 CS_OFFL_SIR_GOPN_2_20220806T230829_20220806T230953_C001 CS_OFFL_SIR_GOPN_2_20220806T230829_20220806T230953_C001 CS_OFFL_SIR_GOPN_2_20220806T23082_20220806T230953_C001 CS_OFFL_SIR_GOPN_2_20220806T230829_20220806T230953_C001 CS_OFFL_SIR_GOPN_2_20220806T230829_20220806T230953_C001 CS_OFFL_SIR_GOPN_2_20220806T23082_20220806T230953_C001 CS_OFFL_SIR_GOPN_2_20220806T23082_20220806T230953_C001 CS_OFFL_SIR_GOPN_2_20220806T000005_20220806T000043_C001 CS_OFFL_SIR_GOPN_2_20220806T000005_20220806T000043_C001 CS_OFFL_SIR_GOPR_2_20220806T000005_20220806T000043_C001 CS_OFFL_SIR_GOPR_2_20220806T000005_20220806T0000446_C001 CS_OFFL_SIR_GOPR_2_20220806T000005_20220806T0000446_C001 CS_OFFL_SIR_GOPR_2_20220806T000005_20220806T0000446_C001 CS_OFFL_SIR_GOPR_2_20220806T000005_20220806T0000446_C001 CS_OFFL_SIR_GOPR_2_20220806T000005_20220806T0000446_C001 CS_OFFL_SIR_GOPR_2_20220806T000005_20220806T0000446_C001 CS_OFFL_SIR_GOPR_2_20220806T000005_20220806T0000446_C001 CS_OFFL_SIR_GOPR_2_20220806T0000425_20220806T0000446_C001 CS_OFFL_SIR_GOPR_2_20220806T000005_20220806T0000446_C001 CS_OFFL_SIR_GOPR_2_20220806T0000425_20220806T0000446_C001 CS_OFFL_SIR_GOPR_2_20220806T000425_20220806T000446_C001 CS_OFFL_SIR_GOPR_2_20220806T000425_20220806T000446_C001 CS_OFFL_SIR_GOPR_2_20220806T000425_20220806T000446_C001 CS_OFFL_SIR_GOPR_2_20220806T000425_20220806T000446_C001 CS_OFFL_SIR_GOPR_2_20220806T00425_20220806T000446	CS_OFFL_SIR_GOPN_2_20220806T202937_20220806T203001_C001		
CS_OFFL_SIR_GOPN_2_20220806T220147_20220806T220239_C001 CS_OFFL_SIR_GOPN_2_20220806T220536_20220806T220651_C001 CS_OFFL_SIR_GOPN_2_20220806T220536_20220806T220651_C001 CS_OFFL_SIR_GOPN_2_20220806T220536_20220806T220651_C001 CS_OFFL_SIR_GOPN_2_20220806T220536_20220806T220651_C001 CS_OFFL_SIR_GOPN_2_20220806T220536_20220806T230250_C001 CS_OFFL_SIR_GOPN_2_20220806T220536_20220806T230250_C001 CS_OFFL_SIR_GOPN_2_20220806T220536_20220806T230250_C001 CS_OFFL_SIR_GOPN_2_20220806T230829_20220806T230250_C001 CS_OFFL_SIR_GOPN_2_20220806T230829_20220806T230953_C001 CS_OFFL_SIR_GOPN_2_20220806T230829_20220806T230953_C001 CS_OFFL_SIR_GOPN_2_20220806T233242_20220806T2332326_C001 CS_OFFL_SIR_GOPN_2_20220806T233242_20220806T233226_C001 CS_OFFL_SIR_GOPN_2_20220806T234802_20220806T235207_C001 CS_OFFL_SIR_GOPN_2_20220806T234802_20220806T000343_C001 CS_OFFL_SIR_GOPR_2_20220806T000005_20220806T000343_C001 CS_OFFL_SIR_GOPR_2_20220806T0004235_20220806T004946_C001 CS_OFFL_SIR_GOPR_2_20220806T004946_C001 CS_OFFL_SIR_GOPR_2_20220806T004946_C001 CS_OFFL_SIR_GOPR_2_20220806T004946_C001 CS_OFFL_SIR_GOPR_2_20220806T004946_C001 CS_OFFL_SIR_GOPR_2_20220806T004946_C001 CS_OFFL_SIR_GOPR_2_20220806T004946_C001 CS_OFFL_SIR_GOPR_2_20220806T004946_C001 CS_OFFL_SIR_GOPR_2_20220806T004946_C001 CS_OFF	CS_OFFL_SIR_GOPN_2_20220806T204028_20220806T204125_C001		
CS_OFFL_SIR_GOPN_2_20220806T220536_20220806T230250_CO01 CS_OFFL_SIR_GOPN_2_20220806T220536_20220806T230250_CO01 CS_OFFL_SIR_GOPN_2_20220806T230829_20220806T230250_CO01 CS_OFFL_SIR_GOPN_2_20220806T230829_20220806T230250_CO01 CS_OFFL_SIR_GOPN_2_20220806T230829_20220806T230953_CO01 CS_OFFL_SIR_GOPN_2_20220806T230829_20220806T230953_CO01 CS_OFFL_SIR_GOPN_2_20220806T230829_20220806T230953_CO01 CS_OFFL_SIR_GOPN_2_20220806T230829_20220806T230953_CO01 CS_OFFL_SIR_GOPN_2_20220806T230829_20220806T230953_CO01 CS_OFFL_SIR_GOPN_2_20220806T230829_20220806T230953_CO01 CS_OFFL_SIR_GOPN_2_20220806T230829_20220806T230953_CO01 CS_OFFL_SIR_GOPN_2_20220806T230829_20220806T230953_CO01 CS_OFFL_SIR_GOPN_2_20220806T230829_20220806T230950_CO01 CS_OFFL_SIR_GOPN_2_20220806T230829_20220806T230950_CO01 CS_OFFL_SIR_GOPN_2_20220806T230829_20220806T230950_CO01 CS_OFFL_SIR_GOPN_2_20220806T2000005_20220806T0000005_20220806T0000005_20220806T0000005_20220806T0000000000000000000000000000000	CS_OFFL_SIR_GOPN_2_20220806T212928_20220806T213037_C001		
OCG Backscatter Quality CS_OFFL_SIR_GOPN_2_20220806T23585_20220806T230250_C001 CS_OFFL_SIR_GOPN_2_20220806T230829_20220806T230953_C001 CS_OFFL_SIR_GOPN_2_20220806T230829_20220806T230953_C001 CS_OFFL_SIR_GOPN_2_20220806T230829_20220806T230953_C001 CS_OFFL_SIR_GOPN_2_20220806T230829_20220806T230953_C001 CS_OFFL_SIR_GOPN_2_20220806T233242_20220806T233326_C001 CS_OFFL_SIR_GOPN_2_20220806T233242_20220806T233326_C001 CS_OFFL_SIR_GOPN_2_20220806T233242_20220806T233326_C001 CS_OFFL_SIR_GOPN_2_20220806T234802_20220806T235207_C001 CS_OFFL_SIR_GOPN_2_20220806T234802_20220806T000343_C001 CS_OFFL_SIR_GOPR_2_20220806T000005_20220806T0000343_C001 CS_OFFL_SIR_GOPR_2_20220806T000005_20220806T0000343_C001 CS_OFFL_SIR_GOPR_2_20220806T000005_20220806T0000343_C001 CS_OFFL_SIR_GOPR_2_20220806T004235_20220806T0000446_C001 OCGG Altimeter Range Quality PLRM, OCGG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCGG Altimeter Range and Backscatter Quality PLRM, O	CS_OFFL_SIR_GOPN_2_20220806T220147_20220806T220239_C001		
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM oCOG Altimeter Range and Backscatter Quality PLRM. CS_OFFL_SIR_GOPN_2_20220806T230829_20220806T230953_C001 CS_OFFL_SIR_GOPN_2_20220806T230829_20220806T230953_C001 CS_OFFL_SIR_GOPN_2_20220806T233242_20220806T233326_C001 CS_OFFL_SIR_GOPN_2_20220806T233242_20220806T233326_C001 CS_OFFL_SIR_GOPN_2_20220806T233242_20220806T233326_C001 CS_OFFL_SIR_GOPN_2_20220806T234802_20220806T235207_C001 CS_OFFL_SIR_GOPN_2_20220806T234802_20220806T235207_C001 CS_OFFL_SIR_GOPN_2_20220806T000005_20220806T000343_C001 CS_OFFL_SIR_GOPR_2_20220806T000005_20220806T000343_C001 CS_OFFL_SIR_GOPR_2_20220806T000005_20220806T000343_C001 CS_OFFL_SIR_GOPR_2_20220806T004235_20220806T004946_C001 Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220806T004235_20220806T004946_C001 Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220806T004235_20220806T004946_C001 Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220806T004235_20220806T004946_C001 Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220806T004235_20220806T004946_C001 Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220806T004235_20220806T004946_C001 Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPN_2_20220806T220536_20220806T220651_C001		
CS_OFFL_SIR_GOPN_2_20220806T233242_20220806T23326_C001 CS_OFFL_SIR_GOPN_2_20220806T233242_20220806T23326_C001 CS_OFFL_SIR_GOPN_2_20220806T234802_20220806T235207_C001 CS_OFFL_SIR_GOPN_2_20220806T000005_20220806T000343_C001 CS_OFFL_SIR_GOPR_2_20220806T000005_20220806T000343_C001 CS_OFFL_SIR_GOPR_2_20220806T000005_20220806T0004946_C001 CS_OFFL_SIR_GOPR_2_20220806T004235_20220806T004946_C001 CS_OFFL_SIR_GOPR_2_20220806T004235_20220806T004946_C	CS_OFFL_SIR_GOPN_2_20220806T225835_20220806T230250_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_GOPN_2_20220806T234802_20220806T235207_C001 CS_OFFL_SIR_GOPN_2_20220806T234802_20220806T235207_C001 CS_OFFL_SIR_GOPN_2_20220806T000005_20220806T000343_C001 CS_OFFL_SIR_GOPR_2_20220806T000005_20220806T000343_C001 CS_OFFL_SIR_GOPR_2_20220806T000005_20220806T0004946_C001 CS_OFFL_SIR_GOPR_2_20220806T004235_20220806T004946_C001 CS_OFFL_SIR_GOPR_2_20220806T004235_20220806T004946	CS_OFFL_SIR_GOPN_2_20220806T230829_20220806T230953_C001		
and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220806T000005_20220806T000343_C001 Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG	CS_OFFL_SIR_GOPN_2_20220806T233242_20220806T233326_C001		
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220806T004235_20220806T004946_C001 and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags 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_GOPN_2_20220806T234802_20220806T235207_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_20220806T000005_20220806T000343_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_20220806T004235_20220806T004946_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_20220806T013751_20220806T014432_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_20220806T022150_20220806T022927_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_20220806T024824_20220806T024901_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_20220806T032307_20220806T032441_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_20220806T035124_20220806T035145_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_20220806T035552_20220806T035604_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_20220806T041317_20220806T041339_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_20220806T044347_20220806T044504_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_20220806T045720_20220806T045927_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_20220806T053856_20220806T054737_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_20220806T080231_20220806T080430_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_20220806T081517_20220806T081853_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_20220806T085308_20220806T085347_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_20220806T085522_20220806T090146_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_20220806T094053_20220806T094408_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_20220806T095401_20220806T095753_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_20220806T105335_20220806T105343_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_20220806T112003_20220806T112353_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_20220806T113330_20220806T113709_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_20220806T121332_20220806T121443_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_20220806T121458_20220806T121944_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_20220806T125732_20220806T130432_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_20220806T135231_20220806T135827_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_20220806T175917_20220806T180134_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_20220806T181239_20220806T181511_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_20220806T193732_20220806T194110_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_20220806T195222_20220806T195344_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_20220806T201910_20220806T202032_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_20220806T202146_20220806T202326_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_20220806T202818_20220806T202848_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_20220806T211654_20220806T212058_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_20220806T213038_20220806T213316_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_20220806T213900_20220806T214256_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_20220806T225613_20220806T225834_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_20220806T230953_20220806T231332_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_20220806T235207_20220806T235959_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (1 Hz & 1 Hz PLRM)

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

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

Number of products with errors: 20

5.8 L2 Ocean Retracking Quality Check

L2 Retracking Flags (20 Hz)

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

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

Number of products with errors:

L2 Retracking Flags (20 Hz PLRM)

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

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

Number of products with errors: 15

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: Not 0

6.2 P2P Product Header Analysis

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

Number of products with errors:

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

6.4 P2P Auxiliary Correction Error Check

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20220805T235434_20220806T004411_C001	Mean Sea Surface (1), Mean Dynamic	There is 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_20220806T004411_20220806T013348_C001	Topography (1) Mean Sea Surface (1), Mean Dynamic	There is 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_20220806T013348_20220806T022325_C001	Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height
	Tide (GOT)	(solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20220806T022325_20220806T031303_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T031303_20220806T040240_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20220806T040240_20220806T045218_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20220806T045218_20220806T054155_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20220806T054155_20220806T063133_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T063133_20220806T072110_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T072110_20220806T081047_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T081047_20220806T090024_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T090024_20220806T095002_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T095002_20220806T103939_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T103939_20220806T112917_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T112917_20220806T121854_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T121854_20220806T130831_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T130831_20220806T135808_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T135808_20220806T144746_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_220220806T144746_20220806T153723_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20220806T153723_20220806T162701_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T162701_20220806T171638_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20220806T171638_20220806T180616_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T180616_20220806T185553_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T185553_20220806T194530_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20220806T194530_20220806T203507_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T203507_20220806T212445_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T212445_20220806T221422_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T221422_20220806T230400_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220806T230400_20220806T235337_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20220806T235337_20220807T004314_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

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:

Test Failed CS_OFFL_SIR_GOP_2_20220806T045218_20220806T054155_C001 Power scaling error There is an error in the scaling of the L2 waveform for one or more records

6.6 P2P Measurement Quality Flag Check

P2P Quality Flags (20 Hz)

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

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

Number of products with errors:

P2P Quality Flags (20 Hz PLRM)

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

Number of products with errors:

P2P Quality Flags (1 Hz & 1 Hz PLRM)

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

Number of products with errors:

6.8 P2P Ocean Retracking Quality Check

P2P Retracking Flags (20 Hz)

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

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

Number of products with errors: 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:

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	172	171	4	167	0
SIR_GOPR1B	128	128	0	128	0
SIR_GOPN1B	113	113	1	112	0
SIR_GOPM_2	172	171	109	62	0
SIR_GOPR_2	128	128	46	82	0
SIR_GOPN_2	113	113	46	66	1
SIR GOP P2P	29	29	0	28	1

7.1 QCC Errors

Number of QCC reports with errors:

2

Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR_GOPN_2	1	1	1	1							
Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-

Total number of occurrences of each error

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

7.2 QCC Warnings

Product Type

SIR GOPM1B

SIR GOPM 2

SIR GOPN1B

SIR GOPN 2

SIR_GOPR1B

SIR_GOPR_2

Number of QCC reports with warnings

BCSHNCDF

167

109

125

2248

0

37

IOHHMOOR

lο

0

0

Total numb				
MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD
0	0	0	0	0
49	47	1	43	0
0	0	0	0	0
12	34	6	24	26

Product Type	RBSZOPOEPNCDF	RNELPOTONCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNCD	RPEPOPFDPLRMSINNCDI	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	37	1	39	0	0	0	0
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	16	0	0	0	20	0	30
SIR_GOPR1B	0	0	0	0	0	0	0
SIR_GOPR_2	17	0	0	43	0	51	0

Product Type	RPEPOPLRMNCDF	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	34	0	0	4	36	0	2
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	0	0	27	15	48	58	30
SIR_GOPR1B	0	0	0	0	0	0	0
SIR_GOPR_2	0	38	0	0	68	46	5

Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF	-
SIR_GOPM1B	0	0	0	0	0	0	
SIR_GOPM_2	41	0	2	0	0	0	
SIR_GOPN1B	0	0	0	0	48	2	
SIR_GOPN_2	27	28	9	2	0	0	
SIR_GOPR1B	0	0	0	0	128	8	
SIR_GOPR_2	41	48	0	1	0	0	

	Product Type IOHHMOOR MYIOEPFDNCDF MYIOEPNCDF MYIONCDF RBSZOPOEPFDNCDF RBSZOPOEPFDPLRMNCD RBSZOPOEPNCDF						
Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCE	RBSZOPOEPNCDF
SIR_GOP_2_	16	29	29	8	29	19	28

Product Type	RNELPOTONCDF	RPEPOPFDPLRMSINNCDF	RPEPOPFDSINNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF
SIR_GOP_2_	2	19	29	20	16	29	18

Product Type	RSSHAONCDF	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHLPQWNCDF	-	-
SIR GOP 2	25	29	20	9	29		

3IK_GOF_2_	29 29 20	9 29					
Fest Description Key:							
Abbreviation	Test name	Details					
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter					
IOHHMOOR	IndexOf1Hzin20HzMappingOutOfRange	The mapping of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1)					
MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees					
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees					
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only					
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RBSZOPOEPFDPLRM NCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RNELPOTONCDF	RangeNELPOceanTideOceanNetCDF	The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing) for surface type = ocean					
RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPFDPLRMSAR NCDF	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPFDPLRMSINN CDF	RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPFDSARNCDF	RangePeakinessExcludingPolarOPFD2SARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPFDSINNCDF	RangePeakinessExcludingPolarOPFD2SINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPLRMNCDF	RangePeakinessExcludingPolarOPLRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPSARNCDF	RangePeakinessExcludingPolarOPSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPSINNCDF	RangePeakinessExcludingPolarOPSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RSSBCONCDF	RangeSeaStateBiasCorrectionOceanNetCDF	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean					
RSSHAOFDNCDF	RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean					
RSSHAOFDPLRMNCD F	RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean					
RSSHAONCDF	RangeSeaSurfaceHeightAnomalyOceanNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean					
RSWHOEPFDNCDF	RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RSWHOEPFDPLRMNC DF	RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RSWHOEPNCDF	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
SOOHHIFHD	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample					
SCSTODHRNCDF	SequenceCounterStepTODHRNetCDF	The sequence counter should be modulo 4 higher with regard to the previous sequence counter					
SCSTODNCDF	SequenceCounterStepTODNetCDF	The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter					

7.3 Missing QCC Reports