

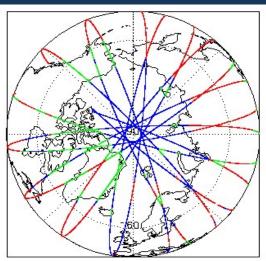
1. Overview

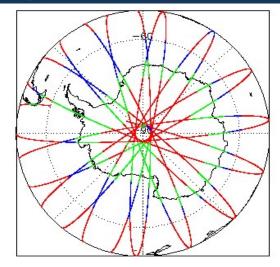
Report Production:	04-Aug-2022
Processor Used:	CryoSat Ocean Processor
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data

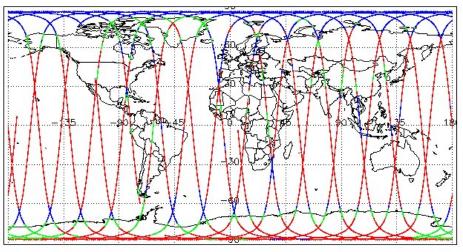
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary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

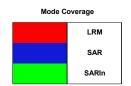
Mission / Instrument News		
02-Jul-2022	None	
03-Jul-2022	None	
04-Jul-2022	Nothing planned	

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

4. GOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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.

Number of products with errors:

0

0

4.5 L1B Measurement Confidence Data Check

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

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

Number of products with errors:

 Product
 Test Failed
 Description

 CS_OFFL_SIR_GOPM1B_20220703T044003_20220703T044558_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: 19

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20220703T005610_20220703T010042_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20220703T012239_20220703T015756_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20220703T060717_20220703T060731_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20220703T075941_20220703T080016_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20220703T161637_20220703T163333_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220703T011155_20220703T011454_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220703T042658_20220703T042925_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220703T043054_20220703T043309_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220703T143216_20220703T143629_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220703T152527_20220703T152700_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220703T161109_20220703T161222_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220703T161406_20220703T161451_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220703T161457_20220703T161637_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220703T043309_20220703T043931_C001	Loss of Echo	The tracking echo is missing for one or more records

5. GOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

5.2 L2 Product Header Analysis

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

Number of products with errors: 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.

umber of products with errors: 0

5.4 L2 Auxiliary Correction Error Check

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

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

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

Decidual	Test Falled	Description
Product CS_OFFL_SIR_GOPM_2_20220703T060717_20220703T060731_C001	Test Failed Mean Sea Surface (1), Mean Dynamic Topography (1)	Description There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPM_2_20220703T075941_20220703T080016_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPM_2_20220703T192129_20220703T192147_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_20220703T002231_20220703T002551_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T003114_20220703T003239_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_20220703T011155_20220703T011454_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_20220703T020933_20220703T021108_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T025254_20220703T025354_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T033811_20220703T033950_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_20220703T034707_20220703T034915_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T043054_20220703T043309_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T060731_20220703T061136_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_20220703T070653_20220703T070855_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_20220703T115536_20220703T115701_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T120212_20220703T120516_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_20220703T133559_20220703T133859_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_20220703T134115_20220703T134634_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T143216_20220703T143629_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_20220703T151553_20220703T151828_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T161109_20220703T161222_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_20220703T161406_20220703T161451_C001	Total Geocentric Ocean Tide (GOT)	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20220703T161457_20220703T161637_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_20220703T165055_20220703T165652_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_20220703T175033_20220703T175127_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_20220703T183311_20220703T183502_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T193012_20220703T193450_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T201251_20220703T201428_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_20220703T215241_20220703T215627_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T233216_20220703T233533_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T234045_20220703T234207_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_20220703T011454_20220703T012239_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T025354_20220703T025938_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T043309_20220703T043931_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T061136_20220703T061658_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T074959_20220703T075941_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T092714_20220703T093448_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T110614_20220703T111307_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T111307_20220703T111552_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_20220703T124452_20220703T125207_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T125207_20220703T125433_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T142638_20220703T143102_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T143102_20220703T143215_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T160428_20220703T160931_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T160931_20220703T161108_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T174426_20220703T175032_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T192557_20220703T193011_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T210241_20220703T211056_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T224331_20220703T225141_C001	Mean Sea Surface (1), Mean Dynamic Topography (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_20220703T044003_20220703T044558_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_20220702T235747_20220703T001920_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_20220703T002551_20220703T002701_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_20220703T002707_20220703T003114_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_20220703T003519_20220703T004620_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_20220703T004807_20220703T005409_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_20220703T012239_20220703T015756_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_20220703T020059_20220703T020600_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_20220703T020621_20220703T020932_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_20220703T021700_20220703T024805_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_20220703T025105_20220703T025254_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_20220703T030109_20220703T031545_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_20220703T032123_20220703T033731_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_20220703T033951_20220703T034459_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_20220703T034506_20220703T034513_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_20220703T035448_20220703T040525_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_20220703T041056_20220703T042326_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_20220703T045030_20220703T050046_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_20220703T050225_20220703T051638_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_20220703T051911_20220703T052411_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_20220703T052418_20220703T052430_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_20220703T052451_20220703T052554_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_20220703T053248_20220703T053429_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_20220703T053616_20220703T054716_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_20220703T054848_20220703T055435_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_20220703T063148_20220703T063219_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_20220703T063326_20220703T065502_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_20220703T065950_20220703T070329_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_20220703T071024_20220703T073833_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_20220703T080746_20220703T080807_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_20220703T080954_20220703T083501_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_20220703T083733_20220703T084244_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_20220703T084251_20220703T084618_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

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CS_OFFL_SIR_GOPM_2_20220703T085003_20220703T092319_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_20220703T095922_20220703T100407_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_20220703T100924_20220703T101410_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_20220703T101733_20220703T102318_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_20220703T102956_20220703T110259_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_20220703T113427_20220703T115247_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_20220703T115702_20220703T120212_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_20220703T120847_20220703T123027_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_20220703T123115_20220703T124452_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_20220703T125434_20220703T125636_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_20220703T131216_20220703T133144_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_20220703T134840_20220703T142450_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_20220703T143702_20220703T145600_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_20220703T145631_20220703T150934_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_20220703T152200_20220703T152527_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_20220703T152740_20220703T154249_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_20220703T154451_20220703T155413_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_20220703T161223_20220703T161406_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_20220703T161637_20220703T163333_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_20220703T165958_20220703T170429_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_20220703T170715_20220703T172118_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_20220703T175951_20220703T180540_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_20220703T180824_20220703T183147_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_20220703T183502_20220703T184330_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_20220703T184659_20220703T191139_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_20220703T192113_20220703T192129_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_20220703T194257_20220703T201039_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_20220703T201715_20220703T202131_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_20220703T202553_20220703T205227_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_20220703T205232_20220703T205441_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_20220703T210205_20220703T210240_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_20220703T211748_20220703T214917_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_20220703T215627_20220703T220212_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_20220703T220458_20220703T220952_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_20220703T222238_20220703T222254_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_20220703T223535_20220703T223720_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_20220703T224115_20220703T224226_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_20220703T225526_20220703T232849_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_20220703T233533_20220703T234044_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_20220703T234431_20220704T000209_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20220703T080016_20220703T080131_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20220703T084618_20220703T084722_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20220703T111705_20220703T111756_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20220703T131132_20220703T131216_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20220703T191950_20220703T192113_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20220703T225345_20220703T225526_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPR_2_20220703T084745_20220703T085003_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPR_2_20220703T102634_20220703T102956_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPR_2_20220703T143102_20220703T143215_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (20 Hz PLRM)

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

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

Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20220703T003114_20220703T003239_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_20220703T010918_20220703T010956_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_20220703T011155_20220703T011454_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_20220703T020933_20220703T021108_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_20220703T025254_20220703T025354_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_20220703T034707_20220703T034915_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_20220703T042658_20220703T042925_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_20220703T043054_20220703T043309_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_20220703T044832_20220703T045029_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_20220703T053430_20220703T053616_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_20220703T060731_20220703T061136_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_20220703T062756_20220703T063148_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_20220703T080813_20220703T080953_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_20220703T083557_20220703T083732_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_20220703T084618_20220703T084722_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_20220703T102520_20220703T102634_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_20220703T110300_20220703T110614_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_20220703T111705_20220703T111756_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_20220703T113243_20220703T113427_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_20220703T115536_20220703T115701_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_20220703T120212_20220703T120516_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_20220703T133559_20220703T133859_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_20220703T134115_20220703T134634_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_20220703T142542_20220703T142638_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_20220703T143216_20220703T143629_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records

CQUIT_SEL_COMPL_2EZERORITERER_EXERNET TORIT_COMP CQUIT_SEL_COMPL_2EZERORITERER_COMPL_2EZERORITERER_COMPL_COMP CQUIT_SEL_COMPL_2EZERORITERER_COMPL_COMPLANT TORIT_COMPLANT	CS_OFFL_SIR_GOPN_2_20220703T152527_20220703T152700_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. CRIT. SRIL COSTN RECORD 10 (00.00) 200220703116401. DOIS CO. CRIT. SRIL COSTN RECORD 10 (00.00) 200220703116401. DOIS CO. CRIT. SRIL COSTN RECORD 10 (00.00) 200220703116401. DOIS CR. CRIT. SRIL COSTN RECORD 10 (00.00) 200220703116401. DOIS CR. CRIT. SRIL COSTN RECORD 10 (00.00) 200220703116401. DOIS CR. CRIT. SRIL COSTN RECORD 10 (00.00) 200220703116401. DOIS CR. CRIT. SRIL COSTN RECORD 10 (00.00) 200220703116401. DOIS CR. CRIT. SRIL COSTN RECORD 10 (00.00) 200220703116401. DOIS CR. CRIT. SRIL COSTN RECORD 10 (00.00) 200220703116401. DOIS CR. CRIT. SRIL COSTN RECORD 10 (00.00) 200220703116401. DOIS CR. CRIT. SRIL COSTN RECORD 10 (00.00) 200220703116401. DOIS CR. CRIT. SRIL COSTN RECORD 10 (00.00) 200220703116401. DOIS CR. CRIT. SRIL COSTN RECORD 10 (00.00) 200220703116401. DOIS CR. CRIT. SRIL COSTN RECORD 10 (00.00) 200220703116401. DOIS CR. CRIT. SRIL COSTN RECORD 10 (00.00) 200220703116401. DOIS CR. CRIT. SRIL COSTN RECORD 10 (00.00) 2002207031176401. DOIS CR. CRIT. SRIL COSTN RECORD 10 (00.00) 2002207031176401. DOIS 10 (00.00) 20022070311	CS_OFFL_SIR_GOPN_2_20220703T155413_20220703T155747_C001		
Comparison	CS_OFFL_SIR_GOPN_2_20220703T161109_20220703T161222_C001		
CSC OFFL SIR GOPPL 2 2020/00110502 C001 COCK Affender Range SIAA, SWIT and Deducation Castly Plags have been set for one or cores.	CS_OFFL_SIR_GOPN_2_20220703T161406_20220703T161451_C001		
Bell Debeckelor Davilly PLIN, COORD Amount Beautiful County PLIN SOPH 2 2020/1031190932 2020/1031190932 2021	CS_OFFL_SIR_GOPN_2_20220703T163333_20220703T163738_C001		
COCO Belacector Caulty monococcids monoc	CS_OFFL_SIR_GOPN_2_20220703T164854_20220703T164955_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
SS OFFL SR, GOPN 2 30220703117803 30220703117812 O001 CS OFFL SR, GOPN 2 30220703117803 30220703117812 O001 CS OFFL SR, GOPN 2 30220703117803 30220703117812 O001 CS OFFL SR, GOPN 2 30220703117803 30220703117803 O001 CS OFFL SR, GOPN 2 30220703117803 3022070311800 O001 CS OFFL SR, GOPN 2 30220703118031 2022070311800 O001 CS OFFL SR, GOPN 2 30220703118031 2022070311800 O001 CS OFFL SR, GOPN 2 3022070311803 O001 CS OFFL SR, GOPN 2 3022070311800 O001 CS OFFL SR, GOPN 2 302207031280 O001 CS OFFL SR, GOPN 2 302207031280 O001 CS OFFL SR, GOPN 2 302207031	CS_OFFL_SIR_GOPN_2_20220703T165055_20220703T165652_C001		
OCOG Backscaater Quality PLRM.	CS_OFFL_SIR_GOPN_2_20220703T170430_20220703T170613_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCCS Backscater Guality CS_OFFL_SIR_GOPN_2_20220703T183311_20220703T18302_C001 CS_OFFL_SIR_GOPN_2_20220703T183311_20220703T18302_C001 CS_OFFL_SIR_GOPN_2_20220703T183311_20220703T18302_C001 CS_OFFL_SIR_GOPN_2_20220703T183312_20220703T18457_C001 CS_OFFL_SIR_GOPN_2_20220703T183302_20220703T18457_C001 CS_OFFL_SIR_GOPN_2_20220703T184330_20220703T18457_C001 CS_OFFL_SIR_GOPN_2_20220703T184030_20220703T19457_C001 CS_OFFL_SIR_GOPN_2_20220703T184030_20220703T19457_C001 CS_OFFL_SIR_GOPN_2_20220703T184030_20220703T19457_C001 CS_OFFL_SIR_GOPN_2_20220703T184030_20220703T19457_C001 CS_OFFL_SIR_GOPN_2_20220703T184032_20220703T19457_C001 CS_OFFL_SIR_GOPN_2_20220703T184032_20220703T19457_C001 CS_OFFL_SIR_GOPN_2_20220703T184032_20220703T19457_C001 CS_OFFL_SIR_GOPN_2_20220703T184032_20220703T19457_C001 CS_OFFL_SIR_GOPN_2_20220703T19457_20220703T19457_C001 CS_OFFL_SIR_GOPN_2_20220703T194052_20220703T19457_C001 CS_OFFL_SIR_GOPN_2_20220703T194052_20220703T19457_C001 CS_OFFL_SIR_GOPN_2_20220703T194052_20220703T19457_C001 CS_OFFL_SIR_GOPN_2_20220703T194052_20220703T19457_C001 CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T201428_C001 CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T201428_C001 CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T201428_C001 CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T201428_C001 CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T201428_C001 CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T201428_C001 CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T201428_C001 CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T201428_C001 CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T201223_C001 CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T201223_C001 CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T201223_C001 CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T201223_C001 CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T201223_C001 CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T201223_C001 CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T220305_C001 CS_OFFL_SIR_GOPN_2_20220703T201251_20200703T220305_C001 CS_OFFL_SIR_GOPN_2_20220703T201251_202000_C001	CS_OFFL_SIR_GOPN_2_20220703T175033_20220703T175127_C001		
OCOS Backscatter Quality Flags Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFR_SR_GOPN_2_20220703T194330_20220733T19452_C001 CS_OFR_SR_GOPN_2_20220703T19430_20220733T19452_C001 CS_OFR_SR_GOPN_2_20220703T194052_20220733T19452_C001 CS_OFR_SR_GOPN_2_20220703T194062_20220733T19452_C001 CS_OFR_SR_GOPN_2_20220703T194062_20220733T19452_C001 CS_OFR_SR_GOPN_2_20220703T291251_20220733T29425_C001 CS_OFR_SR_GOPN_2_20220703T291253_20220733T292237_C001 CS_OFR_SR_GOPN_2_20220703T291253_20220733T292237_C001 CS_OFR_SR_GOPN_2_20220703T291253_20220733T292505_C001 CS_OFR_SR_GOPN_2_20220703T291253_20220733T292505_C001 CS_OFR_SR_GOPN_2_20220703T292544_20220733T29505_C001 CS_OFR_SR_GOPN_2_20220703T292544_20220733T29505_C001 CS_OFR_SR_GOPN_2_20220703T292544_20220733T29505_C001 CS_OFR_SR_GOPN_2_20220703T293545_20220733T293505_C001 CS_OFR_SR_GOPN_2_20220703T293545_20220733T295355_C001 CS_OFR_SR_GOPN_2_20220703T293545_20220733T295355_C001 CS_OFR_SR_GOPN_2_20220703T293545_20220733T295355_C001 CS_OFR_SR_GOPN_2_20220703T293545_20220733T295355_C001 CS_OFR_SR_GOPN_2_20220703T293545_20220733T295355_C001 CS_OFR_SR_GOPN_2_20220703T293545_20220733T295355_C001 CS_OFR_SR_GOPN_2_20220703T293545_20220733T293535_C001 CS_OFR_SR_GOPN_2_20220703T293545_20220733T293535_C001 CS_OFR_SR_GOPN_2_20220703T293545_20220733T293535_C001 CS_OFR_SR_GOPN_2_20220703T293545_20220733T293535_C001 CS_OFR_SR_GOPN_	CS_OFFL_SIR_GOPN_2_20220703T175131_20220703T175253_C001		
and Backscatter Quality PLRN, QOOG Affinited Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_QOPN_2_20220703T184330_20220703T194527_C001 CS_OFFL_SIR_QOPN_2_20220703T194330_20220703T19457_Q001 CS_OFFL_SIR_QOPN_2_20220703T194330_20220703T19457_C001 CS_OFFL_SIR_QOPN_2_20220703T194052_20220703T19457_C001 CS_OFFL_SIR_QOPN_2_20220703T194052_20220703T194267_C001 CS_OFFL_SIR_QOPN_2_20220703T194052_20220703T194267_C001 CS_OFFL_SIR_QOPN_2_20220703T194052_20220703T194267_C001 CS_OFFL_SIR_QOPN_2_20220703T194052_20220703T194267_C001 CS_OFFL_SIR_QOPN_2_20220703T194052_20220703T194267_C001 CS_OFFL_SIR_QOPN_2_20220703T194052_20220703T194267_C001 CS_OFFL_SIR_QOPN_2_20220703T20512_20220703T204262_C001 CS_OFFL_SIR_QOPN_2_20220703T20512_20220703T204262_C001 CS_OFFL_SIR_QOPN_2_20220703T20512_20220703T204262_C001 CS_OFFL_SIR_QOPN_2_20220703T20512_20220703T205222_C001 CS_OFFL_SIR_QOPN_2_20220703T20512_20220703T20522_C001 CS_OFFL_SIR_QOPN_2_20220703T20512_20220703T20522_C001 CS_OFFL_SIR_QOPN_2_20220703T20512_20220703T20522_C001 CS_OFFL_SIR_QOPN_2_20220703T20512_C0020703T20522_C001 CS_OFFL_SIR_QOPN_2_20220703T20512_C0020703T2052_C001 CS_OFFL_SIR_QOPN_2_20220703T20512_C0020703T2052_C001 CS_OFFL_SIR_QOPN_2_20220703T2052_C0010703T2052_C001 CS_OFFL_SIR_QOPN_2_20220703T22505_C001 CS_OFFL_SIR_QOPN_2_20220703T22505_	CS_OFFL_SIR_GOPN_2_20220703T175324_20220703T175512_C001		
CS_OFFL_SIR_GOPN_2_20220703T19139_20220703T191517_C001 CS_OFFL_SIR_GOPN_2_20220703T19139_20220703T191517_C001 CS_OFFL_SIR_GOPN_2_20220703T19139_20220703T191517_C001 CS_OFFL_SIR_GOPN_2_20220703T19139_20220703T191517_C001 CS_OFFL_SIR_GOPN_2_20220703T193012_20220703T193450_C001 CS_OFFL_SIR_GOPN_2_20220703T193012_20220703T193450_C001 CS_OFFL_SIR_GOPN_2_20220703T194052_20220703T194257_C001 CS_OFFL_SIR_GOPN_2_20220703T194052_20220703T194257_C001 CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T201428_C001 CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T201428_C001 CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T201428_C001 CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T201428_C001 CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T201428_C001 CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T201428_C001 CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T201428_C001 CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T201428_C001 CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T201428_C001 CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T2015627_C001 CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T2015627_C001 CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T2015627_C001 CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T2015627_C001 CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T2015627_C001 CS_OFFL_SIR_GOPN_2_20220703T201620_2020703T2015627_C001 CS_OFFL_SIR_GOPN_2_20220703T201620_2020703T2015627_C001 CS_OFFL_SIR_GOPN_2_20220703T201620_2020703T2015627_C001 CS_OFFL_SIR_GOPN_2_20220703T201620_2020703T2015627_C001 CS_OFFL_SIR_GOPN_2_20220703T201620_2020703T201500000000000000000000000000000000000	CS_OFFL_SIR_GOPN_2_20220703T183311_20220703T183502_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCOG Backscatter Quality CS_OFFL_SIR_GOPN_2_20220703T193012_20220703T19459_C001 CS_OFFL_SIR_GOPN_2_20220703T194052_20220703T194257_C001 CS_OFFL_SIR_GOPN_2_20220703T194052_20220703T194257_C001 CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T201428_C001 CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T201428_C001 CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T201428_C001 CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T201422_C001 CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T20422_C001 CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T20422_C001 CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T20422_C001 CS_OFFL_SIR_GOPN_2_20220703T225041_20220703T20422_C001 CS_OFFL_SIR_GOPN_2_20220703T225041_20220703T20422_C001 CS_OFFL_SIR_GOPN_2_20220703T225040_2020703T222237_C001 CS_OFFL_SIR_GOPN_2_20220703T225040_2020703T222237_C001 CS_OFFL_SIR_GOPN_2_20220703T225040_2020703T22237_C001 CS_OFFL_SIR_GOPN_2_20220703T225045_20220703T22237_C001 CS_OFFL_SIR_GOPN_2_20220703T225045_20220703T22237_C001 CS_OFFL_SIR_GOPN_2_20220703T225045_20220703T225056_C001 CS_OFFL_SIR_GOPN_2_20220703T225045_20220703T225056_C001 CS_OFFL_SIR_GOPN_2_20220703T235355_20220703T225526_C001 CS_OFFL_SIR_GOPN_2_20220703T235355_20220703T235353_C001 CS_OFFL_SIR_GOPN_2_20220703T235355_20220703T235353_C001 CS_OFFL_SIR_GOPN_2_20220703T235355_20220703T235353_C001 CS_OFFL_SIR_GOPN_2_20220703T200190_20220703T200231_C001 CS_OFFL_SIR_GOPN_2_20220703T200190_20220703T200231_C001 CS_OFFL_SIR_GOPN_2_20220703T200190_20220703T200231_C001 CS_OFFL_SIR_GOPN_2_20220703T200190_20220703T002231_C001 CS_OFFL_SIR_GOPN_2_20220703T00190_20220703T002231_C001 CS_OFFL_SIR_GOPN_2_20220703T00190_20220703T002231_C001 CS_OFFL_SIR_GOPN_2_20220703T00190_20220703T002231_C001 CS_OFFL_SIR_GOPN_2_20220703T00190_20220703T002231_C001 CS_OFFL_SIR_GOPN_2_20220703T00190_20220703T002231_C001 CS_OFFL_SIR_GOPN_2_20220703T00190_20220703T002231_C001 CS_OFFL_SIR_GOPN_2_20220703T00190_20220703T002231_C001 CS_OFFL_SIR_GOPN_2_20220703T00190_20220703T002231_C001 CS_OFFL_SIR_GOPN_2_20220703T00190_20220703T00	CS_OFFL_SIR_GOPN_2_20220703T184330_20220703T184527_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_20220703T194052_20220703T194257_C001 CS_OFFL_SIR_GOPN_2_20220703T194052_20220703T194257_C001 CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T201428_C001 CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T201428_C001 CS_OFFL_SIR_GOPN_2_20220703T20131_20220703T201428_C001 CS_OFFL_SIR_GOPN_2_20220703T20131_20220703T201428_C001 CS_OFFL_SIR_GOPN_2_20220703T20131_20220703T201428_C001 CS_OFFL_SIR_GOPN_2_20220703T20131_20220703T201428_C001 CS_OFFL_SIR_GOPN_2_20220703T20131_20220703T201428_C001 CS_OFFL_SIR_GOPN_2_20220703T20131_20220703T201428_C001 CS_OFFL_SIR_GOPN_2_20220703T20131_20220703T201557_C001 CCGG Allimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20220703T221503_20220703T22237_C001 CS_OFFL_SIR_GOPN_2_20220703T224026_20220703T22237_C001 CS_OFFL_SIR_GOPN_2_20220703T224026_20220703T2224114_C001 CS_OFFL_SIR_GOPN_2_20220703T225141_20220703T225305_C001 CS_OFFL_SIR_GOPN_2_20220703T225141_20220703T225305_C001 CS_OFFL_SIR_GOPN_2_20220703T225345_20220703T225305_C001 CCGG Allimeter Range Quality PLRM, COCGG Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20220703T225345_20220703T225305_C001 CCGG Allimeter Range Quality PLRM, COCGG Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPN_2_20220703T191139_20220703T191517_C001		
OCG Backscater Quality CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T201428_CO01 CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T201428_CO01 CS_OFFL_SIR_GOPN_2_20220703T202131_20220703T20422_CO01 CS_OFFL_SIR_GOPN_2_20220703T202131_20220703T20422_CO01 CS_OFFL_SIR_GOPN_2_20220703T202131_20220703T20422_CO01 CS_OFFL_SIR_GOPN_2_20220703T215241_20220703T20422_CO01 CS_OFFL_SIR_GOPN_2_20220703T215241_20220703T215627_CO01 CS_OFFL_SIR_GOPN_2_20220703T215241_20220703T222337_CO01 CS_OFFL_SIR_GOPN_2_20220703T221903_20220703T222237_CO01 CS_OFFL_SIR_GOPN_2_20220703T224026_20220703T224114_CO01 CS_OFFL_SIR_GOPN_2_20220703T224026_20220703T224114_CO01 CS_OFFL_SIR_GOPN_2_20220703T225345_20220703T225536_CO01 CS_OFFL_SIR_GOPN_2_20220703T225441_20220703T225536_CO01 CS_OFFL_SIR_GOPN_2_20220703T225441_20220703T225536_CO01 CS_OFFL_SIR_GOPN_2_20220703T225445_20220703T225536_CO01 CS_OFFL_SIR_GOPN_2_20220703T225445_20220703T225536_CO01 CS_OFFL_SIR_GOPN_2_20220703T225445_20220703T225536_CO01 CS_OFFL_SIR_GOPN_2_20220703T225455_20220703T2255266_CO01 CS_OFFL_SIR_GOPN_2_20220703T225455_20220703T2255266_CO01 CS_OFFL_SIR_GOPN_2_20220703T225455_20220703T2255266_CO01 CS_OFFL_SIR_GOPN_2_20220703T225345_20220703T2255266_CO01 CS_OFFL_SIR_GOPN_2_20220703T0323216_20220703T2255266_CO01 CS_OFFL_SIR_GOPN_2_20220703T0323216_20220703T2255266_CO01 CS_OFFL_SIR_GOPN_2_20220703T0323216_20220703T2255266_CO01 CS_OFFL_SIR_GOPN_2_20220703T0323216_20220703T2255266_CO01 CS_OFFL_SIR_GOPN_2_20220703T0323216_20220703T2255266_CO01 CS_OFFL_SIR_GOPN_2_20220703T0323216_20220703T2255266_CO01 CS_OFFL_SIR_GOPN_2_20220703T0323216_20220703T2255266_CO01 CS_OFFL_SIR_GOPN_2_20220703T0323216_20220703T2255266_CO01 CS_OFFL_SIR_GOPN_2_20220703T0323216_00220703T002311_CO01 CS_OFFL_SIR_GOPN_2_20220703T0323216_00202703T002311_CO01 CS_OFFL_SIR_GOPN_2_20220703T0323216_00202703T002311_CO01 CS_OFFL_SIR_GOPN_2_20220703T0032321_CO01 CS_OFFL_SIR_GOPN_2_20220703T0032321_CO01 CS_OFFL_SIR_GOPN_2_20220703T0032321_CO01 CS_OFFL_SIR_GOPN_2_20220703T0032321_CO01 CS_OFFL_SIR	CS_OFFL_SIR_GOPN_2_20220703T193012_20220703T193450_C001		
CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T201428_C001 Allimeter Range and Backscatter Quality PLRM, OCOG Allimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20220703T225345_20220703T225365_C001 CS_OFFL_SIR_GOPN_2_20220703T225345_20220703T225566_C001 CS_OFFL_SIR_GOPN_2_20220703T225345_20220703T225353_C001 CS_OFFL_SIR_GOPN_2_20220703T233216_20220703T225353_C001 CS_OFFL_SIR_GOPN_2_20220703T233216_20220703T02231_C001 CS_OFFL_SIR_GOPN_2_20220703T233216_20220703T02231_C001 CS_OFFL_SIR_GOPN_2_20220703T233216_20220703T02231_C001 CS_OFFL_SIR_GOPN_2_20220703T225345_20220703T02231_C001 CS_OFFL_SIR_GOPN_2_20220703T225345_20220703T02231_C001 CS_OFFL_SIR_GOPN_2_20220703T225345_20220703T02231_C001 CS_OFFL_SIR_GOPN_2_20220703T233216_20220703T02231_C001 CS_OFFL_SIR_GOPN_2_20220703T022316_20220703T02231_C001 CS_OFFL_SIR_GOPN_2_20220703T022316_20220703T02231_C001 CS_OFFL_SIR_GOPN_2_20220703T0233216_20220703T02231_C001 CS_OFFL_SIR_GOPN_2_20220703T0323216_20220703T02231_C001 CS_OFFL_SIR_GOPN_2_20220703T0323216_20220703T002231_C001 CS_OFFL_SIR_GOPN_2_20220703T003239_20220703T002231_C001 CS_OFFL_SIR_GOPN_2_20220703T003239_20220703T002231_C001 CS_OFFL_SIR_GOPN_2_20220703T003239_20220703T002231_C001 CS_OFFL_SIR_GOPN_2_20220703T003239_20220703T002231_C001 CS_OFFL_SIR_GOPN_2_20220703T003239_20220703T002231_C001 CS_OFFL_SIR_GOPN_2_20220703T003239_20220703T002231_C001 CS_OFFL_SIR_GOPN_2_20220703T003239_20220703T002231_C001 CS_OFFL_SIR_GOPN_2_20220703T003239_20220703T002231_C001 CS_OFFL_SIR_GOPN_2_20220703T003239_20220703T002231_C001 CS_OFFL_SIR_GOPN_2_20220703T003239_202207	CS_OFFL_SIR_GOPN_2_20220703T194052_20220703T194257_C001		
CS_OFFL_SIR_GOPN_2_20220703T22131_20220703T202422_C001 All meter Range and Backscatter Quality PLRM, OCOG All meter Range and Backscatter Quality PLRM CS_OFFL_SIR_GOPN_2_20220703T215241_20220703T215627_C001 CS_OFFL_SIR_GOPN_2_20220703T221903_20220703T222237_C001 CS_OFFL_SIR_GOPN_2_20220703T221903_20220703T222237_C001 CS_OFFL_SIR_GOPN_2_20220703T224026_20220703T222114_C001 CS_OFFL_SIR_GOPN_2_20220703T224026_20220703T224114_C001 CS_OFFL_SIR_GOPN_2_20220703T225141_20220703T22505_C001 CS_OFFL_SIR_GOPN_2_20220703T225141_20220703T22505_C001 CS_OFFL_SIR_GOPN_2_20220703T225141_20220703T2252526_C001 CS_OFFL_SIR_GOPN_2_20220703T233216_20220703T225526_C001 CS_OFFL_SIR_GOPN_2_20220703T233216_20220703T225526_C001 CS_OFFL_SIR_GOPN_2_20220703T233216_20220703T225526_C001 CS_OFFL_SIR_GOPN_2_20220703T233216_20220703T00231_C001 CS_OFFL_SIR_GOPN_2_20220703T001920_20220703T002231_C001 CS_OFFL_SIR_GOPN_2_20220703T001920_20220703T002231_C001 CS_OFFL_SIR_GOPR_2_20220703T001920_20220703T002231_C001 CS_OFFL_SIR_GOPR_2_20220703T0001920_20220703T002231_C001 CS_OFFL_SIR_GOPR_2_20220703T0001920_20220703T000231_C001 CS_OFFL_SIR_GOPR_2_20220703T0001920_20220703T000231_C001 CS_OFFL_SIR_GOPR_2_20220703T0001920_20220703T000231_C001 CS_OFFL_SIR_GOPR_2_20220703T0001920_20220703T000231_C001 CS_OFFL_SIR_GOPR_2_20220703T0001920_20220703T000231_C001 CS_OFFL_SIR_GOPR_2_20220703T0001920_20220703T000231_C001 CS_OFFL_SIR_GOPR_2_20220703T0001920_20220703T000231_C001 CS_OFFL_SIR_GOPR_2_20220703T0001920_20220703T0000319_C001000000000000000000000000000000000	CS_OFFL_SIR_GOPN_2_20220703T201251_20220703T201428_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_20220703T221903_20220703T22237_C001 CS_OFFL_SIR_GOPN_2_20220703T224026_20220703T222237_C001 CS_OFFL_SIR_GOPN_2_20220703T224026_20220703T2224114_C001 CS_OFFL_SIR_GOPN_2_20220703T225141_20220703T225305_C001 CS_OFFL_SIR_GOPN_2_20220703T225141_20220703T225305_C001 CS_OFFL_SIR_GOPN_2_20220703T225345_20220703T225526_C001 CS_OFFL_SIR_GOPN_2_20220703T225345_20220703T225526_C001 CS_OFFL_SIR_GOPN_2_20220703T225345_20220703T225526_C001 CS_OFFL_SIR_GOPN_2_20220703T233216_20220703T23533_C001 CS_OFFL_SIR_GOPN_2_20220703T233216_20220703T23533_C001 CS_OFFL_SIR_GOPN_2_20220703T0323216_20220703T0323533_C001 CS_OFFL_SIR_GOPN_2_20220703T003239_20220703T002231_C001 CS_OFFL_SIR_GOPR_2_20220703T003239_20220703T003519_C001 CS_OFFL_SIR_GOPR_2_20220703T003239_20220703T003519_C001 CS_OFFL_SIR_GOPR_2_20220703T003239_20220703T003519_C001 CCG_GAltimeter Range Quality PLRM, CCG_Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220703T003239_20220703T003519_C001 CS_OFFL_SIR_GOPR_2_20220703T003239_20220703T003519_C001 CCG_GAltimeter Range Quality PLRM, CCG_Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220703T003239_20220703T003519_C001 CCG_OFFL_SIR_GOPR_2_20220703T003239_20220703T003519_C001 CCG_GAltimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CCG_OFFL_SIR_GOPR_2_20220703T003239_20220703T003519_C001 CCG_GALTIMETER Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CCG_GALTIMETER Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CCG_OFFL_SIR_GOPR_2_20220703T003239_20220703T003519_C001 CCG_GALTIMETER Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CCG_GALTIMETER Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records C	CS_OFFL_SIR_GOPN_2_20220703T202131_20220703T202422_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCOG Backscatter Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The	CS_OFFL_SIR_GOPN_2_20220703T215241_20220703T215627_C001		
CS_OFFL_SIR_GOPN_2_20220703T225141_20220703T225305_C001 CS_OFFL_SIR_GOPN_2_20220703T225345_20220703T225305_C001 CS_OFFL_SIR_GOPN_2_20220703T225345_20220703T225526_C001 CS_OFFL_SIR_GOPN_2_20220703T233216_20220703T23533_C001 CS_OFFL_SIR_GOPN_2_20220703T233216_20220703T233533_C001 CS_OFFL_SIR_GOPN_2_20220703T233216_20220703T02231_C001 CS_OFFL_SIR_GOPN_2_20220703T001920_20220703T002231_C001 CS_OFFL_SIR_GOPR_2_20220703T001920_20220703T002231_C001 CS_OFFL_SIR_GOPR_2_20220703T003239_20220703T003519_C001 CS_OFFL_SIR_GOPR_2_20220703T003239_20220703T003519_C001 OCOG Altimeter Range 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 Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220703T003239_20220703T003519_C001	CS_OFFL_SIR_GOPN_2_20220703T221903_20220703T222237_C001		
CS_OFFL_SIR_GOPN_2_20220703T225345_20220703T225526_C001 CS_OFFL_SIR_GOPN_2_20220703T225345_20220703T225526_C001 CS_OFFL_SIR_GOPN_2_20220703T233216_20220703T233533_C001 CS_OFFL_SIR_GOPN_2_20220703T233216_20220703T233533_C001 CS_OFFL_SIR_GOPN_2_20220703T001920_20220703T002231_C001 CS_OFFL_SIR_GOPR_2_20220703T001920_20220703T002231_C001 CS_OFFL_SIR_GOPR_2_20220703T001920_20220703T002231_C001 CS_OFFL_SIR_GOPR_2_20220703T003239_20220703T003519_C001 CS_OFFL_SIR_GOPR_2_20220703T003239_20220703T003519_	CS_OFFL_SIR_GOPN_2_20220703T224026_20220703T224114_C001		
CS_OFFL_SIR_GOPN_2_20220703T233216_20220703T23353_C001 CS_OFFL_SIR_GOPN_2_20220703T233216_20220703T23533_C001 CS_OFFL_SIR_GOPN_2_20220703T001920_20220703T002231_C001 CS_OFFL_SIR_GOPR_2_20220703T001920_20220703T002231_C001 CS_OFFL_SIR_GOPR_2_20220703T003239_20220703T003519_C001 CS_OFFL_SIR_GOPR_2_20220703T003239_20220703T003519_C0	CS_OFFL_SIR_GOPN_2_20220703T225141_20220703T225305_C001		
CS_OFFL_SIR_GOPN_2_20220703T233216_20220703T233533_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM. CS_OFFL_SIR_GOPR_2_20220703T001920_20220703T002231_C001 CS_OFFL_SIR_GOPR_2_20220703T003239_20220703T003519_C001 CS_OFFL_SIR_GOPR_2_20220703T003239_20220703T003519_C001 Altimeter Range and Backscatter Quality PLRM, OCOG Al	CS_OFFL_SIR_GOPN_2_20220703T225345_20220703T225526_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_20220703T003239_20220703T003519_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, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the	CS_OFFL_SIR_GOPN_2_20220703T233216_20220703T233533_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 PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPR_2_20220703T001920_20220703T002231_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_20220703T003239_20220703T003519_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been

	Ocean Altimeter Range, SSHA, SWH	I
CS_OFFL_SIR_GOPR_2_20220703T011454_20220703T012239_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPR_2_20220703T021240_20220703T021700_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_20220703T025354_20220703T025938_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_20220703T025952_20220703T030109_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_20220703T034915_20220703T035448_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_20220703T040843_20220703T040916_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_20220703T040919_20220703T041056_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_20220703T042326_20220703T042412_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_20220703T043309_20220703T043931_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_20220703T060412_20220703T060717_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_20220703T061726_20220703T061819_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_20220703T070855_20220703T071024_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_20220703T074959_20220703T075941_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_20220703T092714_20220703T093448_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_20220703T093731_20220703T093920_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_20220703T094537_20220703T094616_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_20220703T101410_20220703T101608_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_20220703T115247_20220703T115536_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_20220703T120516_20220703T120847_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_20220703T124452_20220703T125207_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_20220703T125636_20220703T130401_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_20220703T133144_20220703T133559_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_20220703T134634_20220703T134840_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_20220703T142451_20220703T142542_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_20220703T142638_20220703T143102_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_20220703T145600_20220703T145631_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_20220703T150934_20220703T151553_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_20220703T154249_20220703T154451_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_20220703T160428_20220703T160931_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_20220703T164649_20220703T164724_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_20220703T172119_20220703T172933_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_20220703T172942_20220703T173004_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_20220703T174426_20220703T175032_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_20220703T175254_20220703T175324_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_20220703T175602_20220703T175827_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_20220703T202422_20220703T202553_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: 18

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: 5

L2 Retracking Flags (20 Hz PLRM)

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

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

Number of products with errors: 14

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

6.1 P2P Product Format Check

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

Number of products with errors:

6.2 P2P Product Header Analysis

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

Number of products with errors:

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

6.4 P2P Auxiliary Correction Error Check

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20220702T233709_20220703T002645_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T002645_20220703T011624_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_20220703T011624_20220703T020559_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_220220703T020559_20220703T025539_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T025539_20220703T034514_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T034514_20220703T043453_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T043453_20220703T052429_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T052429_20220703T061408_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T061408_20220703T070344_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T070344_20220703T075323_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T075323_20220703T084258_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T084258_20220703T093237_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T093237_20220703T102213_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T102213_20220703T111152_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T111152_20220703T120128_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_220220703T120128_20220703T125107_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_20220703T125107_20220703T134042_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T134042_20220703T143021_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_220220703T143021_20220703T151957_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_20220703T151957_20220703T160936_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T160936_20220703T165912_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_20220703T165912_20220703T174851_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T174851_20220703T183826_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_20220703T183826_20220703T192806_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T192806_20220703T201741_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T201741_20220703T210720_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T210720_20220703T215656_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T215656_20220703T224635_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T224635_20220703T233611_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220703T233611_20220704T002550_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records

6.5 P2P Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description	
CS_OFFL_SIR_GOP_220220703T043453_20220703T052429_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records	

6.6 P2P Measurement Quality Flag Check

P2P Quality Flags (20 Hz)

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

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

Number of products with errors: 30

P2P Quality Flags (20 Hz PLRM)

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

Number of products with errors: 28

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.

lumber of products with errors: 30

6.8 P2P Ocean Retracking Quality Check

P2P Retracking Flags (20 Hz)

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

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

Number of products with errors: 2

P2P Retracking Flags PLRM

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

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

Number of products with errors: 30

7. GOP QCC Report Analysis

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

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_GOPM1B	145	145	2	143	0
SIR_GOPR1B	106	106	0	106	0
SIR_GOPN1B	101	101	5	96	0
SIR_GOPM_2	145	145	98	47	0
SIR_GOPR_2	106	106	28	76	2
SIR_GOPN_2	101	101	38	63	0
SIR GOP P2P	29	29	0	27	2

7.1 QCC Errors

Number of QCC reports with errors:

Total nur

	Total number of occurrences of each error										
Product Type	RLOBOPNCDF	RL	RL	RLOBOPNCDF	RL	RL	-	-	-	-	-
SIR_GOPR_2	2	1	2	2	1	2					
Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR_GOP_2_	2	2	2	2							

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

7.2 QCC Warnings

Number of QCC reports with warnings

2198

		Total number of occurrences of each warning								
	Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD		
Ī	SIR_GOPM1B	143	0	0	0	0	0	0		
	SIR_GOPM_2	0	0	32	35	0	39	0		
	SIR_GOPN1B	94	0	0	0	0	0	0		
	SIR_GOPN_2	0	0	10	35	7	24	26		
	SIR_GOPR1B	106	0	0	0	0	0	0		
- [SIR GOPR 2	0	2	37	49	0	38	39		

Product Type	RBSZOPOEPNCDF	RNELPOTONCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNCD	RPEPOPFDPLRMSINNCDF	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	34	1	31	0	0	0	0
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	21	0	0	0	29	0	37
SIR_GOPR1B	0	0	0	0	0	0	0
SIR_GOPR_2	24	0	0	51	0	55	0

Product Type	RPEPOPLRMNCDF	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	29	0	0	7	22	0	5
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	0	0	31	16	41	51	33
SIR_GOPR1B	0	0	0	0	0	0	0
SIR_GOPR_2	0	50	0	4	64	51	8

Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF	-
SIR_GOPM1B	0	0	0	0	0	0	
SIR_GOPM_2	32	0	3	0	0	0	
SIR_GOPN1B	0	0	0	0	43	3	
SIR_GOPN_2	30	33	16	3	0	0	
SIR_GOPR1B	0	0	0	0	106	5	
SIR_GOPR_2	38	51	3	2	0	0	

Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD	RBSZOPOEPNCDF
SIR GOP 2	18	29	29	5	28	19	28

Product Type	RNELPOTONCDF	RPEPOPFDPLRMSINNCDF	RPEPOPFDSINNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF
SIR_GOP_2_	1	18	29	26	20	29	18

Product Type	RSSHAONCDF	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHLPQWNCDF	-	-
SIR GOP 2	25	29	19	20	29		

Test Description Key:		
	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