

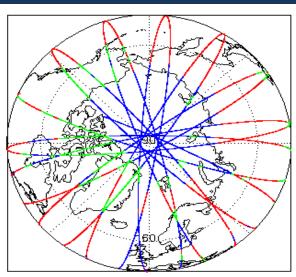
1. Overview

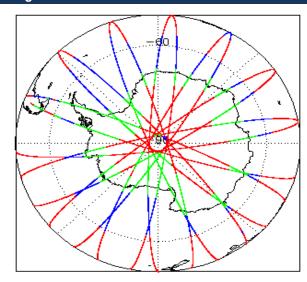
Report Production:	06-Aug-2021 CryoSat Ocean Processor	
Processor Used:		
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data	

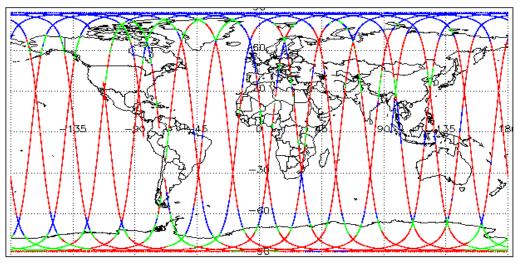
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary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

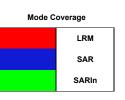
Mission / Instrument News		
05-Jul-2021	None	
06-Jul-2021	None	
07-Jul-2021	Nothing planned	

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

4. GOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

4.2 L1B Product Header Analysis

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

L1B Processing Quality HR: The I1b_proc_flag_hr flag is currently set all L1B GOPR and GOPN products because the I1b_processing_quality_hr field is not correctly configured in the OSAR and OSARIn chains. A modification is required in the next release.

Number of products with errors:

4.3 L1B Auxilary Data File Usage Check

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

Number of products with errors:

0

4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

0

4.5 L1B Measurement Confidence Data Check

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

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

Number of products with errors:

5

Product	Test Failed	Description
CS OFFL SIR GOPM1B 20210705T234351 20210706T001601 C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more
05_0112_0111_00111115_202101001201001_202101001001001201	r oner seaming error	records
CS OFFL SIR GOPM1B 20210706T003006 20210706T003537 C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more
00_011E_011C_0011M1B_20210100100000_202101001000001_0001	Tower seaming error	records
CS OFFL SIR GOPM1B 20210706T034755 20210706T035437 C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more
00_0112_0111_00111111111111111111111111	Tower seaming error	records
CS OFFL SIR GOPM1B 20210706T053330 20210706T053425 C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more
00_011E_011C_001 M11B_E0E10100100000_E0E1010010004E0_0001	Tower seaming error	records
CS OFFL SIR GOPM1B 20210706T090933 20210706T092151 C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more
00_011E_0111_0011111111_202101001030333_202101001032131_0001	1 Ower scanning error	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:

21

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20210706T102716_20210706T104511_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20210706T135706_20210706T142158_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20210706T143801_20210706T150328_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210706T052641_20210706T052701_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210706T102248_20210706T102358_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210706T120207_20210706T120658_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210706T124455_20210706T124645_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210706T152414_20210706T152850_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210706T164246_20210706T164442_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210706T165142_20210706T165239_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210706T215133_20210706T215419_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210706T224703_20210706T225307_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20210706T001601_20210706T001836_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20210706T053543_20210706T053920_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20210706T090704_20210706T090810_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20210706T182220_20210706T182258_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20210706T182430_20210706T182731_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20210706T182731_20210706T183201_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20210706T215419_20210706T220155_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20210706T232051_20210706T232107_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20210706T235355_20210706T235803_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 binary product file (.DBL).

Number of products with errors:

0

5.2 L2 Product Header Analysis

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

Number of products with errors:

0

5.3 L2 Auxiliary Data File Usage Check

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

5.4 L2 Auxiliary Correction Error Check

CS_OFFL_SIR_GOPN_2_20210706T193128_20210706T193236_C001

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

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

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

Number of products with errors: **Product Test Failed** Description lean Sea Surface (1), Total Geocentric There is an error with the MSS height (solution 1), the Total Geocentric Ocean Tide (GOT), Total Geocentric CS_OFFL_SIR_GOPM_2_20210706T102716_20210706T104511_C001 Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Ocean Tide (FES), Non-Equilibrium Equilibrium Long Period Ocean Tide for one or more records ong Period Ocean Tide There is an error with the MSS height (solution 1) and the Mean Dynamic Mean Sea Surface (1), Mean Dynamic CS_OFFL_SIR_GOPN_2_20210706T001912_20210706T002308_C001 Topography height (solution 1) for one or more records Topography (1) There is an error with the Mean Dynamic Topography (solution 1) for one CS OFFL SIR GOPN 2 20210706T010903 20210706T011134 C001 Mean Dynamic Topography (1) or more records Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS OFFL SIR GOPN 2 20210706T011854 20210706T012043 C001 Topography height (solution 1) for one or more records Topography (1) There is an error with the Mean Dynamic Topography (solution 1) for one CS OFFL SIR GOPN 2 20210706T024746 20210706T024918 C001 Mean Dynamic Topography (1) or more records There is an error with the Mean Dynamic Topography (solution 1) for one CS OFFL SIR GOPN 2 20210706T042805 20210706T042918 C001 Mean Dynamic Topography (1) or more records There is an error with the Mean Dynamic Topography (solution 1) for one CS OFFL SIR GOPN 2 20210706T043657 20210706T043813 C001 Mean Dynamic Topography (1) or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Mean Sea Surface (1), Mean Dynamic CS OFFL SIR GOPN 2 20210706T060718 20210706T060842 C001 Topography (1) Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Topography (1), Total Geocentric Ocea Tide (GOT), Total Geocentric Ocean CS OFFL SIR GOPN 2 20210706T061351 20210706T061700 C001 Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Tide (FES), Non-Equilibrium Long Perio Ocean Tide for one or more records Ocean Tide Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS OFFL SIR GOPN 2 20210706T074803 20210706T075050 C001 Topography height (solution 1) for one or more records Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Mean Sea Surface (1), Mean Dynamic CS_OFFL_SIR_GOPN_2_20210706T075255_20210706T075822_C001 Topography height (solution 1) for one or more records Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Mean Sea Surface (1), Mean Dynamic CS_OFFL_SIR_GOPN_2_20210706T084346_20210706T084813_C001 Topography (1) Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_GOPN_2_20210706T092730_20210706T093006_C001 Topography height (solution 1) for one or more records Topography (1) Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_GOPN_2_20210706T102248_20210706T102358_C001 Topography height (solution 1) for one or more records Topography (1) Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1), Total Geocentric Ocea Topography height (solution 1), Total Geocentric Ocean Tide (GOT), CS OFFL SIR GOPN 2 20210706T105913 20210706T110109 C001 Tide (GOT) Total Geocentric Ocean Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Tide (FES), Non-Equilibrium Long Period Ocean Tide for one or more records Ocean Tide There is an error with the Mean Dynamic Topography (solution 1) for one CS_OFFL_SIR_GOPN_2_20210706T110448_20210706T110819_C001 Mean Dynamic Topography (1) or more records Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS OFFL SIR GOPN 2 20210706T120207 20210706T120658 C001 Topography height (solution 1) for one or more records Topography (1) There is an error with the Mean Dynamic Topography (solution 1) for one CS OFFL SIR GOPN 2 20210706T124455 20210706T124645 C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solution 1) for one CS_OFFL_SIR_GOPN_2_20210706T125501_20210706T125722_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solution 1) for one CS_OFFL_SIR_GOPN_2_20210706T134209_20210706T134633_C001 Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_GOPN_2_20210706T160430_20210706T160807_C001 Topography (1) Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one CS_OFFL_SIR_GOPN_2_20210706T161343_20210706T161458_C001 Mean Dynamic Topography (1) or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Mean Sea Surface (1), Mean Dynamic CS_OFFL_SIR_GOPN_2_20210706T174352_20210706T174711_C001 Topography (1) Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Mean Sea Surface (1), Mean Dynamic CS OFFL SIR GOPN 2 20210706T183438 20210706T183547 C001 Topography (1) Topography height (solution 1) for one or more records

Mean Dynamic Topography (1)

There is an error with the Mean Dynamic Topography (solution 1) for one

CS_OFFL_SIR_GOPN_2_20210706T201351_20210706T201503_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T210832_20210706T211021_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T215133_20210706T215419_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T224703_20210706T225307_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T232841_20210706T233302_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T001601_20210706T001836_C001	Mean Sea Suriace (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (EES), Non-Equilibrium Long Period	There is an error with the Miss height (solution 1) and the Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records.
CS_OFFL_SIR_GOPR_2_20210706T002308_20210706T002827_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T020125_20210706T021121_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T033859_20210706T034637_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T035558_20210706T035632_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_20210706T035643_20210706T035754_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_20210706T051752_20210706T052442_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T052442_20210706T052606_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_20210706T065627_20210706T070342_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T070342_20210706T070619_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T083816_20210706T084236_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T084236_20210706T084346_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T101604_20210706T102005_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T102005_20210706T102247_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T113331_20210706T113647_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_20210706T115553_20210706T120207_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T133732_20210706T134209_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T151512_20210706T152413_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T165526_20210706T170314_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T183547_20210706T184342_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T201504_20210706T202218_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T215419_20210706T220155_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T233303_20210706T234019_C001	Mean Sea Surface (1), Mean Dynamic Topography (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_20210705T234351_20210706T001601_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOPM_2_20210706T003006_20210706T003537_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOPM_2_20210706T034755_20210706T035437_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOPM_2_20210706T053330_20210706T053425_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOPM_2_20210706T090933_20210706T092151_C001		There is an error in the scaling of the L2 waveform for one or more records

5.6 L2 Measurement Quality Flag Check

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:

81

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20210705T234351_20210706T001601_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_20210706T004533_20210706T010612_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_20210706T011135_20210706T011508_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_20210706T011530_20210706T011853_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_20210706T012219_20210706T014936_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_20210706T022205_20210706T024619_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_20210706T024918_20210706T025422_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_20210706T030209_20210706T033528_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_20210706T034755_20210706T035437_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_20210706T035755_20210706T040813_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_20210706T042918_20210706T043455_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_20210706T044224_20210706T051454_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_20210706T052712_20210706T052853_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_20210706T054726_20210706T060332_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_20210706T060842_20210706T061351_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20210706T062043_20210706T065626_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_20210706T070619_20210706T070811_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_20210706T071827_20210706T072249_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_20210706T072343_20210706T074121_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_20210706T080029_20210706T081555_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_20210706T081557_20210706T081705_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_20210706T081708_20210706T082120_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_20210706T082153_20210706T083624_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_20210706T084838_20210706T090703_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_20210706T090933_20210706T092151_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_20210706T093006_20210706T093206_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_20210706T093319_20210706T093707_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_20210706T093926_20210706T095425_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_20210706T095627_20210706T100549_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_20210706T102358_20210706T102517_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_20210706T102716_20210706T104511_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_20210706T110109_20210706T110234_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_20210706T110819_20210706T111610_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_20210706T111906_20210706T113331_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_20210706T114916_20210706T114918_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_20210706T115043_20210706T115553_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_20210706T121131_20210706T124314_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_20210706T124914_20210706T125501_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_20210706T125904_20210706T132306_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_20210706T135706_20210706T142158_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_20210706T142855_20210706T143323_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_20210706T143801_20210706T150328_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_20210706T150906_20210706T151511_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_20210706T152850_20210706T160014_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_20210706T160807_20210706T161343_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_20210706T161659_20210706T162127_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_20210706T165239_20210706T165457_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_20210706T170728_20210706T174016_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_20210706T174712_20210706T175223_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_20210706T175737_20210706T181407_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_20210706T184343_20210706T190802_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_20210706T190841_20210706T191903_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_20210706T192439_20210706T192712_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_20210706T192729_20210706T193128_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_20210706T193615_20210706T200220_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_20210706T200236_20210706T201005_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_20210706T201142_20210706T201351_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_20210706T202218_20210706T203648_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_20210706T204129_20210706T205443_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_20210706T205515_20210706T205829_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_20210706T210053_20210706T210611_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_20210706T210630_20210706T210832_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_20210706T211710_20210706T212947_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_20210706T213200_20210706T215007_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_20210706T221121_20210706T222033_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_20210706T222329_20210706T223723_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_20210706T224019_20210706T224514_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_20210706T224547_20210706T224703_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_20210706T225414_20210706T225451_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_20210706T231329_20210706T231538_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_20210706T231701_20210706T232050_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_20210706T084346_20210706T084813_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_20210706T152414_20210706T152850_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_20210706T210832_20210706T211021_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_20210706T231538_20210706T231701_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_20210706T042529_20210706T042805_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_20210706T082120_20210706T082153_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_20210706T084814_20210706T084838_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_20210706T174016_20210706T174352_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_20210706T213050_20210706T213200_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_20210706T224514_20210706T224516_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (20Hz PLRM)

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20210706T001912_20210706T002308_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_20210706T002827_20210706T002901_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_20210706T003804_20210706T003908_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_20210706T003951_20210706T004325_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_20210706T004354_20210706T004359_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_20210706T010903_20210706T011134_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_20210706T011854_20210706T012043_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_20210706T024746_20210706T024918_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_20210706T025757_20210706T025930_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_20210706T033746_20210706T033859_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_20210706T040813_20210706T041008_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_20210706T042805_20210706T042918_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_20210706T060718_20210706T060842_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_20210706T061351_20210706T061700_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_20210706T072249_20210706T072343_C001	OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20210706T074803_20210706T075050_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_20210706T075255_20210706T075822_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_20210706T084346_20210706T084813_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_20210706T093707_20210706T093848_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_20210706T100549_20210706T100852_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_20210706T102517_20210706T102716_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.

CO. OFFL. SR. OFFL. 2 2016/70/11/348 2016/70/11/349 COD OFFL. SR. OFFL. 2 2016/70/11/349 2016/70/11/	CS_OFFL_SIR_GOPN_2_20210706T104511_20210706T105114_C001	OCOG Altimeter Range Quality PLRM,	The OCOG Range and Backscatter Quality Flags have been set for one
CB_CFF_SR_CORN_2_201000FT10481_201000FT10481_201 CB_CFF_SR_CORN_2_201000FT10481_201000FT10481_201 CB_CFF_SR_CORN_2_201000FT10481_201000FT10483_201 CB_CFF_SR_CORN_2_201000FT10481_201000FT10483_201 CB_CFF_SR_CORN_2_201000FT10483_201000FT10483_201 CB_CFF_SR_CORN_2_201000FT10483_201000FT10483_201 CB_CFF_SR_CORN_2_201000FT10483_201000FT10483_201 CB_CFF_SR_CORN_2_201000FT10483_201000FT10483_201 CB_CFF_SR_CORN_2_201000FT10483_201000FT10483_201000FT10483_20100FT10483_2			or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags
CS_CHIL_SIR, GOPH_2_20167891192007_2010706119299_CODI CS_CHIL_SIR	CS_OFFL_SIR_GOPN_2_20210706T110448_20210706T110819_C001	Altimeter Range and Backscatter Quality	
CB_GPF_BR_GOPN_2_72/10/1078173649_201970719392_C011 CB_GPF_BR_GOPN_2_72/10/1078173649_201970713949_C011 CB_GPF_BR_GOPN_2_72/10/1078173649_201970713929_C011 CB_GPF_BR_GOPN_2_72/10/1078173649_201970713929_C011 CB_GPF_BR_GOPN_2_72/10/1078173649_201970713929_C011 CB_GPF_BR_GOPN_2_72/10/1078173649_2019707119292_C011 CB_GPF_BR_GOPN_2_72/	CS_OFFL_SIR_GOPN_2_20210706T114253_20210706T114647_C001		
CB_CPFL_SIR_GOM_2_2021978113220_20219781132640_C001 CB_CPFL_SIR_GOM_2_2021978113200_20219781132640_C001 CB_CPFL_SIR_GOM_2_2021978113200_20219781132640_C001 CB_CPFL_SIR_GOM_2_2021978113200_20219781132640_C001 CB_CPFL_SIR_GOM_2_2021978113200_20219781132640_C001 CB_CPFL_SIR_GOM_2_2021978113200_20219781132640_C001 CB_CPFL_SIR_GOM_2_2021978113200_20219781132600_C001 CB_CPFL_SIR_GOM_2_2021978113200_2021978113200_C001 CB_CPFL_SIR_GOM_2_2021978113200_2021978113200_C001 CB_CPFL_SIR_GOM_2_2021978113200_2021978113200_C001 CB_CPFL_SIR_GOM_2_2021978113200_2021978113200_C001 CB_CPFL_SIR_GOM_2_2021978113200_2021978113200_C001 CB_CPFL_SIR_GOM_2_2021978113200_2001 CC_COM_Amment Rango_Doubly FLM. CC_COM_Amment Rango_Doubly FLM. CC_COM_Amment Rango_Doubly FLM. CC_COM_Amment Rango_Doubly FLM. CC_COM_Amment Rango_Doubly FL	CS_OFFL_SIR_GOPN_2_20210706T120207_20210706T120658_C001		
CS_CRFL_SR_GOPN_2_20218765T19429_20210765T19429_C001 CS_CRFL_SR_GOPN_2_20218765T19429_20210765T19439_C001 CS_CRFL_SR_GOPN_2_20218765T19429_20210765T19439_C001 CS_CRFL_SR_GOPN_2_20218765T19439_20210765T19439_C001 CS_CRFL_SR_GOPN_2_20218765T19439_20210765T19439_C001 CS_CRFL_SR_GOPN_2_20218765T19439_20210765T19439_C001 CS_CRFL_SR_GOPN_2_20218765T19439_20210765T19439_C001 CS_CRFL_SR_GOPN_2_20218765T19439_20210765T19439_C001 CS_CRFL_SR_GOPN_2_20218765T19439_20210765T19439_C001 CS_CRFL_SR_GOPN_2_20218765T19439_20210765T19439_C001 CS_CRFL_SR_GOPN_2_20218765T19439_20210765T19439_C001 CS_CRFL_SR_GOPN_2_20218765T19439_20210765T19439_C001 CS_CRFL_SR_GOPN_2_20218765T19439_C001 CS_CRFL_SR_GOPN_2_20218765T19439_	CS_OFFL_SIR_GOPN_2_20210706T125501_20210706T125722_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
C8_OFFL_SIR_GOPPL_2/2019706T134F13_00210706T134592_C001 C8_OFFL_SIR_GOPPL_2/2019706T134F13_00210706T134592_C001 C8_OFFL_SIR_GOPPL_2/2019706T134F14_20210706T134592_C001 C8_OFFL_SIR_GOPPL_2/2019706T134594_C0010 C8_OFFL_SIR_GOPPL_2/2019706T134594_C0010 C8_OFFL_SIR_GOPPL_2/2019706T134594_C0010 C8_OFFL_SIR_GOPPL_2/2019706T134594_C0010 C8_OFFL_SIR_GOPPL_2/2019706T175494_C0010 C8_OFFL_SIR_GOPPL_2/2019706T195494_C0010 C8_OFFL_SIR_GOPPL_2/2019706T195494_C0010 C8_	CS_OFFL_SIR_GOPN_2_20210706T132306_20210706T132649_C001		
05.0FT_SIR_0OPN_2_20210708T143142_20210708T143280_CO01 05.0FT_SIR_0OPN_2_20210708T143142_20210708T143280_CO01 05.0FT_SIR_OOPN_2_20210708T14323_20210708T143280_CO01 05.0FT_SIR_OOPN_2_20210708T14323_20210708T143280_CO01 05.0FT_SIR_OOPN_2_20210708T14323_20210708T143280_CO01 05.0FT_SIR_OOPN_2_20210708T14323_20210708T143280_CO01 05.0FT_SIR_OOPN_2_20210708T14323_20210708T143280_CO01 05.0FT_SIR_OOPN_2_20210708T14323_20210708T143280_CO01 05.0FT_SIR_OOPN_2_20210708T16343_20210708T16449_CO01 05.0FT_SIR_OOPN_2_20210708T16343_20210708T16449_CO01 05.0FT_SIR_OOPN_2_20210708T16343_20210708T16442_CO01 05.0FT_SIR_OOPN_2_20210708T16343_20210708T16444_CO01 05.0FT_SIR_OOPN_2_20210708T16444_20210708T174461_CO01 05.0FT_SIR_OOPN_2_20210708T176344_20210708T174461_CO01 05.0FT_SIR_OOPN_2_20210708T176344_20210708T174461_CO01 05.0FT_SIR_OOPN_2_20210708T176344_CO01 05.0FT_SIR_OOPN_2_20210708T176344_CO01 05.0FT_SIR_OOPN_2_20210708T176344_CO01 05.0FT_SIR_OOPN_2_20210708T176344_CO01 05.0FT_SIR_OOPN_2_20210708T192140_CO01078T174461_CO011 05.0FT_SIR_OOPN_2_20210708T192140_CO01078T174461_CO011 05.0FT_SIR_OOPN_2_20210708T192140_CO01078T174461_CO011 05.0FT_SIR_OOPN_2_20210708T192140_CO01078T174461_CO011 05.0FT_SIR_OOPN_2_20210708T	CS_OFFL_SIR_GOPN_2_20210706T134209_20210706T134633_C001		
OCGG Barkscatter Cuality OCGG Barkscatter Cual	CS_OFFL_SIR_GOPN_2_20210706T134713_20210706T134835_C001		
OCC Backscatter Guilty CS_OFFL_SIR_GOPN 2_202107067143223_202107067143200_COLD CS_OFFL_SIR_GOPN 2_202107067143223_202107067143280_COLD CS_OFFL_SIR_GOPN 2_202107067152414_202107067152850_COLD CS_OFFL_SIR_GOPN 2_20210706716343_20210706716380_COLD CS_OFFL_SIR_GOPN 2_20210706716343_20210706716348_COLD CS_OFFL_SIR_GOPN 2_20210706716343_20210706716348_COLD CS_OFFL_SIR_GOPN 2_20210706716344_20210706716340_COLD CS_OFFL_SIR_GOPN 2_20210706716344_20210706716340_COLD CS_OFFL_SIR_GOPN 2_20210706716344_20210706716340_COLD CS_OFFL_SIR_GOPN 2_20210706716344_20210706716340_COLD CS_OFFL_SIR_GOPN 2_20210706716344_202107067164440_COLD CS_OFFL_SIR_GOPN 2_202107067163467_202107067164440_COLD CS_OFFL_SIR_GOPN 2_202107067163467_20210706716340_COLD CS_OFFL_SIR_GOPN 2_20210706716340_COLD CS_OFFL_SIR_GOPN 2_20210706716340_COLD CS_OFFL_SIR_GOPN 2_20210706716340_COLD CS_OFFL_SIR_GOPN 2_20210706716340_COLD CS_OFFL_SIR_GOPN 2_20210706716340_COLD CS_OFFL_SIR_GOPN 2_202107067170344_202107067170451_COLD CS_OFFL_SIR_GOPN 2_202107067170344_202107067170340_COLD CS_OFFL_SIR_GOPN 2_202107067170340_COLD CS_OFFL_SIR_GOPN 2_202107067170340_COLD CS_OFFL_SIR_GOPN 2_202107067	CS_OFFL_SIR_GOPN_2_20210706T135145_20210706T135429_C001		
and Backscatter Coality FLNN, COOG All manufacture Range Coality FLNN, COOG All manufacture Coality FLNN, COOG Backscatter Coality Flags have been set for one or new records. CS_OFFL_SIR_GOPN_2_20210706T165457_20210706T16550_COOT CS_OFFL_SIR_GOPN_2_20210706T165457_20210706T16550_COOT CS_OFFL_SIR_GOPN_2_20210706T17044_20210706T17045_COOT CS_OFFL_SIR_GOPN_2_20210706T17044_20210706T17045_COOT CS_OFFL_SIR_GOPN_2_20210706T17045_20210706T17045_COOT CS_OFFL_SIR_GOPN_2_20210706T17045_20210706T17045_COOT CS_OFFL_SIR_GOPN_2_20210706T17045_20210706T17045_COOT CS_OFFL_SIR_GOPN_2_20210706T17045_20210706T17045_COOT CS_OFFL_SIR_GOPN_2_20210706T17045_20210706T17045_COOT CS_OFFL_SIR_GOPN_2_20210706T17045_20210706T17045_COOT CCG_OFFL_SIR_GOPN_2_20210706T17045_20210706T17045_COOT CCG_OFFL_SIR_GOPN_2_20210706T17045_20210706T17045_COOT CCG_OFFL_SIR_GOPN_2_20210706T17045_20210706T17045_COOT CCG_OFFL_SIR_GOPN_2_20210706T17045_20210706T17045_COOT CCG_OFFL_SIR_GOPN_2_20210706T17045_20210706T17045_COOT CCG_OFFL_SIR_GOPN_2_20210706T17045_20210706T17045_COOT CCG_OFFL_SIR_GOPN_2_20210706T17045_202100000000000000000000000000000000	CS_OFFL_SIR_GOPN_2_20210706T142429_20210706T142608_C001		
OCG Balcascatter Quality PLRM. CS_OFFL_SIR_GOPN_2_20210706T161943_20210706T182300_C001 CS_OFFL_SIR_GOPN_2_20210706T163943_20210706T182300_C001 CS_OFFL_SIR_GOPN_2_20210706T163943_20210706T183200_C001 CS_OFFL_SIR_GOPN_2_20210706T163943_20210706T183200_C001 CS_OFFL_SIR_GOPN_2_20210706T163943_20210706T183200_C001 CS_OFFL_SIR_GOPN_2_20210706T163943_20210706T183200_C001 CS_OFFL_SIR_GOPN_2_20210706T163943_20210706T183200_C001 CS_OFFL_SIR_GOPN_2_20210706T163943_20210706T183200_C001 CS_OFFL_SIR_GOPN_2_20210706T163943_20210706T183400_C005 CS_OFFL_SIR_GOPN_2_20210706T163943_20210706T183400_C005 CS_OFFL_SIR_GOPN_2_20210706T170314_20210706T170315_C001 CS_OFFL_SIR_GOPN_2_20210706T170314_20210706T170345_C001 CS_OFFL_SIR_GOPN_2_20210706T170345_20210706T170345_C001 CS_OFFL_SIR_GOPN_2_20210706T1743502_20210706T173540_C001 CS_OFFL_SIR_GOPN_2_20210706T1743502_20210706T173540_C001 CS_OFFL_SIR_GOPN_2_20210706T175224_20210706T173540_C001 CS_OFFL_SIR_GOPN_2_20210706T176324_20210706T173540_C001 CS_OFFL_SIR_GOPN_2_20210706T176324_20210706T173540_C001 CS_OFFL_SIR_GOPN_2_20210706T176324_20210706T173540_C001 CS_OFFL_SIR_GOPN_2_20210706T176324_20210706T173540_C001 CS_OFFL_SIR_GOPN_2_20210706T176324_20210706T173540_C001 CS_OFFL_SIR_GOPN_2_20210706T176324_20210706T173540_C001 CS_OFFL_SIR_GOPN_2_20210706T176324_20210706T173540_C001 CS_OFFL_SIR_GOPN_2_20210706T193120_20210706T193230_C001 CS_OFFL_SIR_GOPN_2_20210706T193120_20210706T193230_C001 CS_OFFL_SIR_GOPN_2_20210706T193120_20210706T193230_C001 CS_OFFL_SIR_GOPN_2_20210706T201331_20210706T221503_C001 CS_OFFL_SIR_GOPN_2_20210706T21533_20210706T215153_20210706T215153_C001 CCOG Allimeter Range Quality PLRM. C00G Backscatter Quality P	CS_OFFL_SIR_GOPN_2_20210706T143323_20210706T143609_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. CS_OFFL_SIR_GOPN_2_20210706T163043_20210706T163200_C001 CS_OFFL_SIR_GOPN_2_20210706T163043_20210706T163200_C001 CS_OFFL_SIR_GOPN_2_20210706T163043_20210706T163200_C001 CS_OFFL_SIR_GOPN_2_20210706T163043_20210706T163200_C001 CS_OFFL_SIR_GOPN_2_20210706T163043_20210706T163200_C001 CS_OFFL_SIR_GOPN_2_20210706T163043_20210706T163200_C001 CS_OFFL_SIR_GOPN_2_20210706T163043_20210706T163000_C001 CS_OFFL_SIR_GOPN_2_20210706T163043_20210706T170461_C001 CS_OFFL_SIR_GOPN_2_20210706T170314_20210706T170461_C001 CS_OFFL_SIR_GOPN_2_20210706T170314_20210706T170461_C001 CS_OFFL_SIR_GOPN_2_20210706T170345_20210706T170461_C001 CS_OFFL_SIR_GOPN_2_20210706T170345_20210706T170461_C001 CS_OFFL_SIR_GOPN_2_20210706T170345_20210706T170461_C001 CS_OFFL_SIR_GOPN_2_20210706T170345_20210706T170461_C001 CS_OFFL_SIR_GOPN_2_20210706T170345_20210706T170461_C001 CS_OFFL_SIR_GOPN_2_20210706T170454_20210706T170461_C001 CS_OFFL_SIR_GOPN_2_20210706T170454_20210706T170461_C001 CS_OFFL_SIR_GOPN_2_20210706T170461_C001 CS_OFFL_SIR_GOPN_2_20210706T170461_C001 CS_OFFL_SIR_GOPN_2_20210706T170461_C001 CS_OFFL_SIR_GOPN_2_20210706T170461_C001 CS_OFFL_SIR_GOPN_2_20210706T192106_20210706T175349_C001 CS_OFFL_SIR_GOPN_2_20210706T192106_20210706T192336_C001 CS_OFFL_SIR_GOPN_2_20210706T192106_20210706T192336_C001 CS_OFFL_SIR_GOPN_2_20210706T192106_20210706T192336_C001 CS_OFFL_SIR_GOPN_2_20210706T1921082_20210706T192336_C001 CS_OFFL_SIR_GOPN_2_20210706T1921082_20210706T192336_C001 CS_OFFL_SIR_GOPN_2_20210706T1921082_20210706T192336_C001 CS_OFFL_SIR_GOPN_2_20210706T19210832_20210706T192336_C001 CS_OFFL_SIR_GOPN_2_20210706T19210832_20210706T215419_C001 CCGG Altimeter Range Quality PLRM. CCGG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20210706T19210832_20210706T192336_C001 CCGG Altimeter Range Quality PLRM. CCGG Backscatter Quality Flags have been set for one or more records. CCGG Backscatter Quality Flags have been set for one or more records. CCGG Backscatter Qual	CS_OFFL_SIR_GOPN_2_20210706T152414_20210706T152850_C001		
OCOG Backscatter Quality CS_OFFL_SIR_GOPN_2_20210706T163482_20210706T164442_C001 CS_OFFL_SIR_GOPN_2_20210706T164246_20210706T164442_C001 CS_OFFL_SIR_GOPN_2_20210706T164547_20210706T169526_C001 CS_OFFL_SIR_GOPN_2_20210706T170314_20210706T170514_C001 CS_OFFL_SIR_GOPN_2_20210706T170314_20210706T170514_C001 CS_OFFL_SIR_GOPN_2_20210706T170314_20210706T170514_C001 CS_OFFL_SIR_GOPN_2_20210706T170545_20210706T170728_C001 CS_OFFL_SIR_GOPN_2_20210706T170545_20210706T170728_C001 CS_OFFL_SIR_GOPN_2_20210706T170545_20210706T170728_C001 CS_OFFL_SIR_GOPN_2_20210706T170545_20210706T170728_C001 CS_OFFL_SIR_GOPN_2_20210706T170545_20210706T170728_C001 CS_OFFL_SIR_GOPN_2_20210706T170545_20210706T170728_C001 CS_OFFL_SIR_GOPN_2_20210706T170545_20210706T170728_C001 CS_OFFL_SIR_GOPN_2_20210706T175244_20210706T175340_C001 CS_OFFL_SIR_GOPN_2_20210706T175244_20210706T175340_C001 CS_OFFL_SIR_GOPN_2_20210706T175244_20210706T175340_C001 CS_OFFL_SIR_GOPN_2_20210706T192106_20210706T192336_C001 CS_OFFL_SIR_GOPN_2_20210706T192108_20210706T192336_C001 CS_OFFL_SIR_GOPN_2_20210706T192108_20210706T192336_C001 CS_OFFL_SIR_GOPN_2_20210706T193128_20210706T193336_C001 CS_OFFL_SIR_GOPN_2_20210706T201351_20210706T201503_C001 CS_OFFL_SIR_GOPN_2_20210706T201351_20210706T201503_C001 CS_OFFL_SIR_GOPN_2_20210706T201351_20210706T21503_C001 CCOCG Altimeter Range Quality PLRM, COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCOCG Altimeter Range Quality PLRM, COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCOCG Altimeter Range Quality PLRM, COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCOCG Altimeter Range Quality PLRM, COCG Range and Backscatter Quality Flags have been set for one or more records. CCOCG Altimeter Range Quality PLRM, COCG Range and Backscatter Quality Flags have been set for one or more records. CCOCG Altimeter Range Quality PLRM, COCG Range and Backscatter Quality Flags have been set for	CS_OFFL_SIR_GOPN_2_20210706T161343_20210706T161458_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. OCSG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20210706T170514_20210706T170451_C001 CS_OFFL_SIR_GOPN_2_20210706T170545_20210706T170451_C001 CS_OFFL_SIR_GOPN_2_20210706T170545_20210706T170728_C001 CS_OFFL_SIR_GOPN_2_20210706T170545_20210706T170728_C001 CS_OFFL_SIR_GOPN_2_20210706T170545_20210706T170728_C001 CS_OFFL_SIR_GOPN_2_20210706T170545_20210706T170728_C001 CS_OFFL_SIR_GOPN_2_20210706T175242_20210706T175349_C001 CS_OFFL_SIR_GOPN_2_20210706T175224_20210706T175349_C001 CS_OFFL_SIR_GOPN_2_20210706T175224_20210706T175349_C001 CS_OFFL_SIR_GOPN_2_20210706T192106_20210706T192439_C001 CS_OFFL_SIR_GOPN_2_20210706T192108_20210706T192439_C001 CS_OFFL_SIR_GOPN_2_20210706T192108_20210706T192439_C001 CS_OFFL_SIR_GOPN_2_20210706T192108_20210706T192439_C001 CS_OFFL_SIR_GOPN_2_20210706T192108_20210706T192439_C001 CS_OFFL_SIR_GOPN_2_20210706T192108_20210706T192439_C001 CS_OFFL_SIR_GOPN_2_20210706T192108_20210706T192439_C001 CS_OFFL_SIR_GOPN_2_20210706T192108_20210706T192439_C001 CS_OFFL_SIR_GOPN_2_20210706T192108_20210706T192439_C001 CS_OFFL_SIR_GOPN_2_20210706T193128_20210706T193236_C001 CS_OFFL_SIR_GOPN_2_20210706T201351_20210706T193236_C001 CS_OFFL_SIR_GOPN_2_20210706T201351_20210706T201503_C001 CS_OFFL_SIR_GOPN_2_20210706T201351_20210706T201503_C001 CS_OFFL_SIR_GOPN_2_20210706T21332_20210706T201503_C001 CS_OFFL_SIR_GOPN_2_20210706T21333_20210706T211021_C001 CCOG Altimeter Range Quality PLRM, COGG Backscatter Quality FLRM, COGG Backscatter Quality FLRM, COGG Backscatter Quality Flags have been set for one or more records. CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCOGG Altimeter Range Quality PLRM, COGG Backscatter Quality Flags have been set for one or more records. CCOGG Altimeter Range Quality PLRM, COGG Backscatter Quality Flags have been set for one or more records. CCOGG Altimeter Range Quality PLRM, COGG Backscatter Quality Flags have been set for	CS_OFFL_SIR_GOPN_2_20210706T163043_20210706T163200_C001		
CS_OFFL_SIR_GOPN_2_20210706T165457_20210706T170514_C001 CS_OFFL_SIR_GOPN_2_20210706T170314_20210706T170451_C001 CS_OFFL_SIR_GOPN_2_20210706T170314_20210706T170728_C001 CS_OFFL_SIR_GOPN_2_20210706T170545_20210706T170728_C001 CS_OFFL_SIR_GOPN_2_20210706T170545_20210706T170728_C001 CS_OFFL_SIR_GOPN_2_20210706T170545_20210706T170728_C001 CS_OFFL_SIR_GOPN_2_20210706T174352_20210706T174711_C001 CS_OFFL_SIR_GOPN_2_20210706T174352_20210706T174711_C001 CS_OFFL_SIR_GOPN_2_20210706T175224_20210706T175349_C001 CS_OFFL_SIR_GOPN_2_20210706T175224_20210706T175349_C001 CS_OFFL_SIR_GOPN_2_20210706T192106_20210706T192439_C001 CS_OFFL_SIR_GOPN_2_20210706T192106_20210706T192336_C001 CS_OFFL_SIR_GOPN_2_20210706T193128_20210706T193236_C001 CS_OFFL_SIR_GOPN_2_20210706T193128_20210706T193236_C001 CS_OFFL_SIR_GOPN_2_20210706T193128_20210706T201503_C001 CS_OFFL_SIR_GOPN_2_20210706T201351_20210706T201503_C001 CS_OFFL_SIR_GOPN_2_20210706T201351_20210706T201503_C001 CS_OFFL_SIR_GOPN_2_20210706T201351_20210706T201503_C001 CS_OFFL_SIR_GOPN_2_20210706T201351_20210706T201503_C001 CS_OFFL_SIR_GOPN_2_20210706T201351_20210706T211011_C001 CCG_OFFL_SIR_GOPN_2_20210706T201351_20210706T211011_C001 CCG_OFFL_SIR_GOPN_2_20210706T210332_20210706T211011_C001 CCG_OFFL_SIR_GOPN_2_20210706T210332_20210706T211011_C001 CCG_OFFL_SIR_GOPN_2_20210706T210332_20210706T211011_C001 CCG_OFFL_SIR_GOPN_2_20210706T210332_20210706T211011_C001 CCG_OFFL_SIR_GOPN_2_20210706T210332_20210706T211011_C001 CCG_OFFL_SIR_GOPN_2_20210706T210332_20210706T221101_C001 CCG_OFFL_SIR_GOPN_2_20210706T210332_20210706T211011_C001 CCG_OFFL_SIR_GOPN_2_20210706T210332_20210706T221101_C001 CCG_OFFL_SIR_GOPN_2_20210706T210332_20210706T2211011_C001 CCG_OFFL_SIR_GOPN_2_20210706T210332_20210706T2211011_C001 CCG_OFFL_SIR_GOPN_2_20210706T201332_20210706T2211011_C001 CCG_OFFL_SIR_GOPN_2_20210706T201332_20210706T2211011_C001 CCG_OFFL_SIR_GOPN_2_20210706T201332_20210706T2211011_C001 CCG_OFFL_SIR_GOPN_2_20210706T201332_20210706T2211011_C001 CCG_OFFL_SIR_GOPN_2_20210706T2	CS_OFFL_SIR_GOPN_2_20210706T164246_20210706T164442_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
OCOG Backscatter Quality PLRM. OCOG Backscatter Quality PLRM. OCOG Altimeter Range Quality PLRM. OCOG Backscatter Quality PLRM. OCOG Altimeter Range SHA, SWH and Backscatter Quality PLRM. OCOG Backscatter Quality PLRM	CS_OFFL_SIR_GOPN_2_20210706T165457_20210706T165526_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_20210706T174352_20210706T174711_C001 CS_OFFL_SIR_GOPN_2_20210706T175224_20210706T175349_C001 CS_OFFL_SIR_GOPN_2_20210706T175224_20210706T192439_C001 CS_OFFL_SIR_GOPN_2_20210706T192106_20210706T192439_C001 CS_OFFL_SIR_GOPN_2_20210706T193128_20210706T193236_C001 CS_OFFL_SIR_GOPN_2_20210706T193128_20210706T193236_C001 CS_OFFL_SIR_GOPN_2_20210706T201351_20210706T201503_C001 CS_OFFL_SIR_GOPN_2_20210706T201351_20210706T211021_C001 CS_OFFL_SIR_GOPN_2_20210706T215133_20210706T211021_C001 CS_OFFL_SIR_GOPN_2_20210706T215133_20210706T21121_C001 CCOCG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatte	CS_OFFL_SIR_GOPN_2_20210706T170314_20210706T170451_C001		
CS_OFFL_SIR_GOPN_2_20210706T175224_20210706T175349_C001 CS_OFFL_SIR_GOPN_2_20210706T192106_20210706T192439_C001 CS_OFFL_SIR_GOPN_2_20210706T192106_20210706T192439_C001 CS_OFFL_SIR_GOPN_2_20210706T192106_20210706T192439_C001 CS_OFFL_SIR_GOPN_2_20210706T193128_20210706T193236_C001 CS_OFFL_SIR_GOPN_2_20210706T193128_20210706T193236_C001 CS_OFFL_SIR_GOPN_2_20210706T201351_20210706T201503_C001 CS_OFFL_SIR_GOPN_2_20210706T201351_20210706T201503_C001 CS_OFFL_SIR_GOPN_2_20210706T201351_20210706T201503_C001 CS_OFFL_SIR_GOPN_2_20210706T201351_20210706T211021_C001 CS_OFFL_SIR_GOPN_2_20210706T210332_20210706T211021_C001 CS_OFFL_SIR_GOPN_2_20210706T215133_20210706T211021_C001 CS_OFFL_SIR_GOPN_2_20210706T215133_20210706T215419_C001 CS_OFFL_SIR_GOPN_2_20210706T215133_20210706T215419_C001 CS_OFFL_SIR_GOPN_2_20210706T201351_20210706T215419_C001 CS_OFFL_SIR_GOPN_2_20210706T201351_20210706T215419_C001 CS_OFFL_SIR_GOPN_2_20210706T215133_20210706T215419_C001 CCGG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20210706T215133_20210706T215419_C001 CCGG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for one or more records. CCGG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for one or more records. CCGG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for one or more records. CCGG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPN_2_20210706T170545_20210706T170728_C001		
and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20210706T192106_20210706T192439_C001 CS_OFFL_SIR_GOPN_2_20210706T193128_20210706T193236_C001 CS_OFFL_SIR_GOPN_2_20210706T193128_20210706T193236_C001 CS_OFFL_SIR_GOPN_2_20210706T193128_20210706T193236_C001 CS_OFFL_SIR_GOPN_2_20210706T201351_20210706T201503_C001 CS_OFFL_SIR_GOPN_2_20210706T201351_20210706T201503_C001 CS_OFFL_SIR_GOPN_2_20210706T210832_20210706T211021_C001 CS_OFFL_SIR_GOPN_2_20210706T215133_20210706T215419_C001 CS_OFFL_SIR_GOPN_2_20210706T215133_20210706T215419_C001 CS_OFFL_SIR_GOPN_2_20210706T215133_20210706T2215419_C001 CS_OFFL_SIR_GOPN_2_20210706T215133_20210706T2215419_C001 CS_OFFL_SIR_GOPN_2_20210706T220736_20210706T221121_C001 CS_OFFL_SIR_GOPN_2_20210706T220	CS_OFFL_SIR_GOPN_2_20210706T174352_20210706T174711_C001		
OCOG Backscatter Quality CS_OFFL_SIR_GOPN_2_20210706T193128_20210706T193236_C001 CS_OFFL_SIR_GOPN_2_20210706T201351_20210706T201503_C001 CS_OFFL_SIR_GOPN_2_20210706T201351_20210706T201503_C001 CS_OFFL_SIR_GOPN_2_20210706T201351_20210706T201503_C001 CS_OFFL_SIR_GOPN_2_20210706T210832_20210706T211021_C001 CS_OFFL_SIR_GOPN_2_20210706T210832_20210706T211021_C001 CS_OFFL_SIR_GOPN_2_20210706T21533_20210706T211021_C001 CS_OFFL_SIR_GOPN_2_20210706T21533_20210706T215419_C001 CS_OFFL_SIR_GOPN_2_20210706T21533_20210706T2215419_C001 CS_OFFL_SIR_GOPN_2_20210706T220736_20210706T221121_C001 CS_OFFL_SIR_GOPN_2_20210706	CS_OFFL_SIR_GOPN_2_20210706T175224_20210706T175349_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 PLRM ocog Altimeter Range and Backscatter Quality PLRM. CS_OFFL_SIR_GOPN_2_20210706T201351_20210706T201503_C001 CS_OFFL_SIR_GOPN_2_20210706T210832_20210706T211021_C001 CS_OFFL_SIR_GOPN_2_20210706T210832_20210706T211021_C001 CS_OFFL_SIR_GOPN_2_20210706T210832_20210706T211021_C001 CS_OFFL_SIR_GOPN_2_20210706T215133_20210706T215419_C001 CS_OFFL_SIR_GOPN_2_20210706T215133_20210706T215419_C001 CS_OFFL_SIR_GOPN_2_20210706T215133_20210706T215419_C001 CS_OFFL_SIR_GOPN_2_20210706T220736_20210706T221121_C001 CS_OFFL_SIR_GOPN_2_20210706T220736_2021	CS_OFFL_SIR_GOPN_2_20210706T192106_20210706T192439_C001		
CS_OFFL_SIR_GOPN_2_20210706T210832_20210706T211021_C001 CS_OFFL_SIR_GOPN_2_20210706T210832_20210706T211021_C001 CS_OFFL_SIR_GOPN_2_20210706T215133_20210706T215419_C001 CS_OFFL_SIR_GOPN_2_20210706T215133_20210706T215419_C001 CS_OFFL_SIR_GOPN_2_20210706T220736_20210706T221121_C001 CS_OFFL_SIR_GOPN_2_20210706T220736_20210706T221121_	CS_OFFL_SIR_GOPN_2_20210706T193128_20210706T193236_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_20210706T215133_20210706T215419_C001 CS_OFFL_SIR_GOPN_2_20210706T225133_20210706T215419_C001 CS_OFFL_SIR_GOPN_2_20210706T220736_20210706T221121_C001 CS_OFFL_SIR_GOPN_2_20210706T220736_20210706T221121_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPN_2_20210706T201351_20210706T201503_C001		
OCOG Backscatter Quality OCOG Backscatter Quality OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPN_2_20210706T210832_20210706T211021_C001		
OCOG Backscatter Quality Or more records. OCOG Altimeter Range Quality PLRM. The OCOG Range and Backscatter Quality Flans have been set for one	CS_OFFL_SIR_GOPN_2_20210706T215133_20210706T215419_C001		
OCOG Altimeter Range Quality PLRM The OCOG Range and Rackscatter Quality Flags have been set for one	CS_OFFL_SIR_GOPN_2_20210706T220736_20210706T221121_C001		
CS_OFFL_SIR_GOPN_2_20210706T223833_20210706T224018_C001 OCOG Backscatter Quality OCOG Backscatter Quality If the OCOG Kalineter Railing Quality Flavin, or more records.	CS_OFFL_SIR_GOPN_2_20210706T223833_20210706T224018_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_20210706T224703_20210706T225307_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_20210706T232841_20210706T233302_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_20210706T234933_20210706T235238_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_20210706T002308_20210706T002827_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_20210706T002901_20210706T003006_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_20210706T004325_20210706T004354_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_20210706T020125_20210706T021121_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_20210706T033859_20210706T034637_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_20210706T042529_20210706T042805_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_20210706T043813_20210706T044224_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_20210706T051752_20210706T052442_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_20210706T052442_20210706T052606_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_20210706T053003_20210706T053330_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_20210706T060332_20210706T060717_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_20210706T061700_20210706T062043_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_20210706T065627_20210706T070342_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_20210706T070342_20210706T070619_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_20210706T075822_20210706T080029_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_20210706T083625_20210706T083723_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_20210706T090704_20210706T090810_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_20210706T092152_20210706T092730_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_20210706T101604_20210706T102005_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_20210706T102005_20210706T102247_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_20210706T113331_20210706T113647_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_20210706T113702_20210706T114146_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_20210706T115553_20210706T120207_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_20210706T124314_20210706T124455_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_20210706T133323_20210706T133544_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_20210706T142159_20210706T142428_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_20210706T143609_20210706T143801_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_20210706T151512_20210706T152413_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_20210706T161458_20210706T161658_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_20210706T162127_20210706T162512_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_20210706T165526_20210706T170314_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_20210706T170451_20210706T170544_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_20210706T174016_20210706T174352_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_20210706T175349_20210706T175737_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_20210706T182220_20210706T182258_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_20210706T182731_20210706T183201_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_20210706T183230_20210706T183437_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_20210706T193236_20210706T193615_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_20210706T203648_20210706T204129_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	THE OCEAN MILITELE RAIDE, SOFIA, OVER AND BACKSCALLER QUAITY Flags and the OCOG Altimeter Rainge and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20210706T205829_20210706T205913_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_20210706T211022_20210706T211710_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_20210706T212947_20210706T213050_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_20210706T213050_20210706T213200_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_20210706T215419_20210706T220155_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_20210706T232535_20210706T232751_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_20210706T233303_20210706T234019_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (1 Hz & 1Hz PLRM)

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

191

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

Number of products with errors:

5.8 L2 Ocean Retracking Quality Check

L2 Retracking Flags (20Hz)

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

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

Number of products with errors:

67

L2 Retracking Flags (20Hz, PLRM)

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:

0

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

0

6.4 P2P Auxiliary Correction Error Check

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20210705T233610_20210706T002545_C002	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20210706T002545_20210706T011525_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T011525_20210706T020500_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T020500_20210706T025440_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T025440_20210706T034415_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T034415_20210706T043354_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T043354_20210706T052330_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T052330_20210706T061309_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T061309_20210706T070244_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20210706T070244_20210706T075224_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T075224_20210706T084159_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T084159_20210706T093138_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T093138_20210706T102113_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T102113_20210706T111053_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20210706T111053_20210706T120028_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T120028_20210706T125008_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T125008_20210706T133943_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T133943_20210706T142922_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T142922_20210706T151858_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T151858_20210706T160837_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T160837_20210706T165812_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T165812_20210706T174752_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T174752_20210706T183727_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T183727_20210706T192706_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T192706_20210706T201641_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T201641_20210706T210621_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T210621_20210706T215556_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T215556_20210706T224535_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T224535_20210706T233511_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20210706T233511_20210707T002450_C002	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

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_220210705T233610_20210706T002545_C002	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOP_2_20210706T002545_20210706T011525_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOP_220210706T034415_20210706T043354_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOP_220210706T052330_20210706T061309_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOP_220210706T084159_20210706T093138_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

6.6 P2P Measurement Quality Flag Check

P2P Quality Flags (20Hz)

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

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

Number of products with errors:

P2P Quality Flags (20Hz PLRM)

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

Number of products with errors:

P2P Quality Flags (1 Hz & 1Hz PLRM)

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

Number of products with errors: 3

6.8 P2P Ocean Retracking Quality Check

P2P Retracking Flags (20Hz)

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

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

Number of products with errors: 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: 3

7. GOP QCC Report Analysis

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

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_GOPM1B	156	156	3	153	0
SIR_GOPR1B	112	112	0	112	0
SIR_GOPN1B	104	104	2	102	0
SIR_GOPM_2	156	156	104	52	0
SIR_GOPR_2	112	112	30	79	3
SIR_GOPN_2	104	104	38	66	0
SIR_GOP_P2P	29	29	0	26	3

Number of QCC reports with errors:

6

Total number of occurrences of each error

Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR_GOPR_2	3	3	3	3							
Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-

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

7.2 QCC Warnings

Test Description Key:

Number of QCC reports with warnings

2242

Total number of occurrences of each warning							
Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCI
SIR_GOPM1B	153	0	0	0	0	0	0
SIR_GOPM_2	0	0	40	39	1	36	0
SIR_GOPN1B	99	0	0	0	0	0	0
SIR_GOPN_2	0	0	11	31	2	21	30
SIR_GOPR1B	107	0	0	0	0	0	0
SIR GOPR 2	0	3	41	50	1	42	33

Product Type	RBSZOPOEPNCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNC	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF	RPEPOPLRMNCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	31	36	0	0	0	0	26
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	17	0	0	29	0	37	0
SIR_GOPR1B	0	0	0	0	0	0	0
SIR_GOPR_2	26	0	55	0	63	0	0

Product Type	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF	RSWHOEPFDNCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	0	0	8	32	0	4	36
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	0	30	18	40	52	25	28
SIR_GOPR1B	0	0	0	0	0	0	0
SIR GOPR 2	55	0	3	65	46	8	45

Product Type	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHRTASCNSNCDF	SPHRTASCNSNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF
SIR_GOPM1B	0	0	0	1	0	0	0
SIR_GOPM_2	0	3	0	1	0	0	0
SIR_GOPN1B	0	0	0	0	0	45	1
SIR_GOPN_2	30	12	0	0	4	0	0
SIR_GOPR1B	0	0	1	0	0	112	3
SIR GOPR 2	58	2	0	0	5	0	0

Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNC	RBSZOPOEPNCDF
SIR_GOP_2_	16	29	29	2	29		29

SIR_GOP_2 18 29 24 22 29 19 21	Product Type	RPEPOPFDPLRMSINNCD	RPEPOPFDSINNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
	SIR_GOP_2_	18	29	24		29	19	21

Produ	ict Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHLPQWNCDF	•	•
SIR_G	GOP_2_	29	19	17	29		

Abbreviation	Test name	Details
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter
IOHHMOOR	IndexOf1Hzin20HzMappingOutOfRange	The mapping of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1)
MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RBSZOPOEPFDPLRM	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
NCDF RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 70 degrees
RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDPLRMSAR	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
	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 decrees
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	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
RSWHOEPFDPLRMN CDF	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
SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node_Start_v2_NetCDF	Rel_Time_ASC_Node_Start mismatch (DBL ASC, rounded up to 0.1)
SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node_Stop_v2_NetCDF	Rel_Time_ASC_Node_Stop mismatch

SOOHHIFHD	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample
SCSTODHRNCDF	SequenceCounterStepTODHRNetCDF	The sequence counter should be modulo 4 higher with regard to the previous sequence counter
SCSTODNCDF	SequenceCounterStepTODNetCDF	The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter

7.3 Missing QCC Reports

Number of products with missing QCC reports:

0