

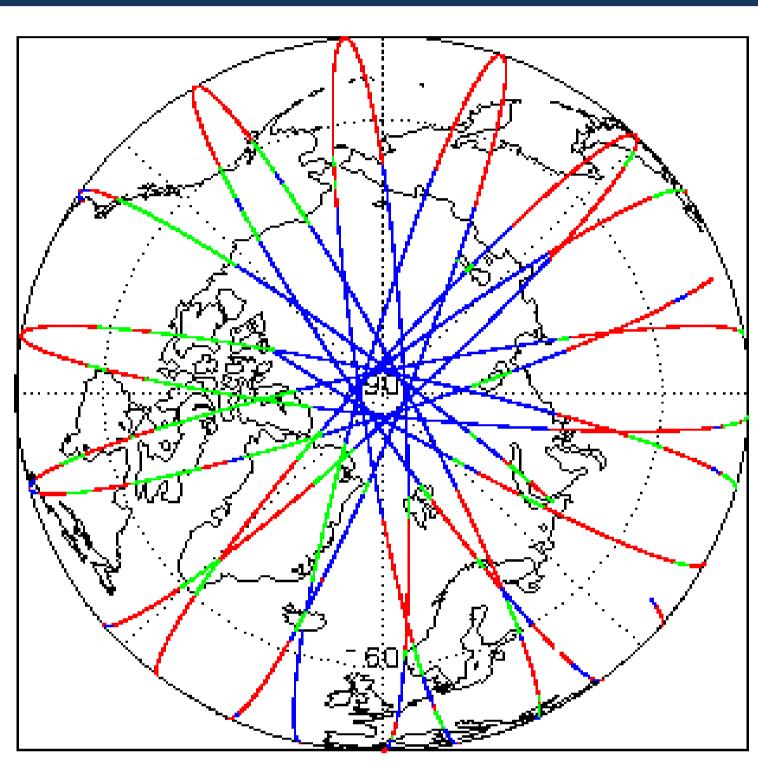
1. Overview

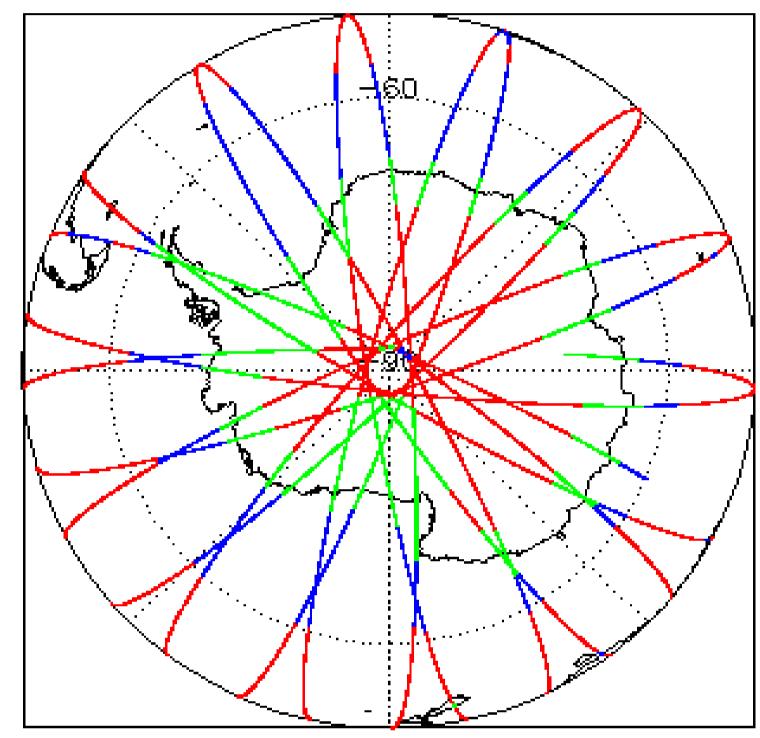
Report Production:	20-Oct-2022	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data	

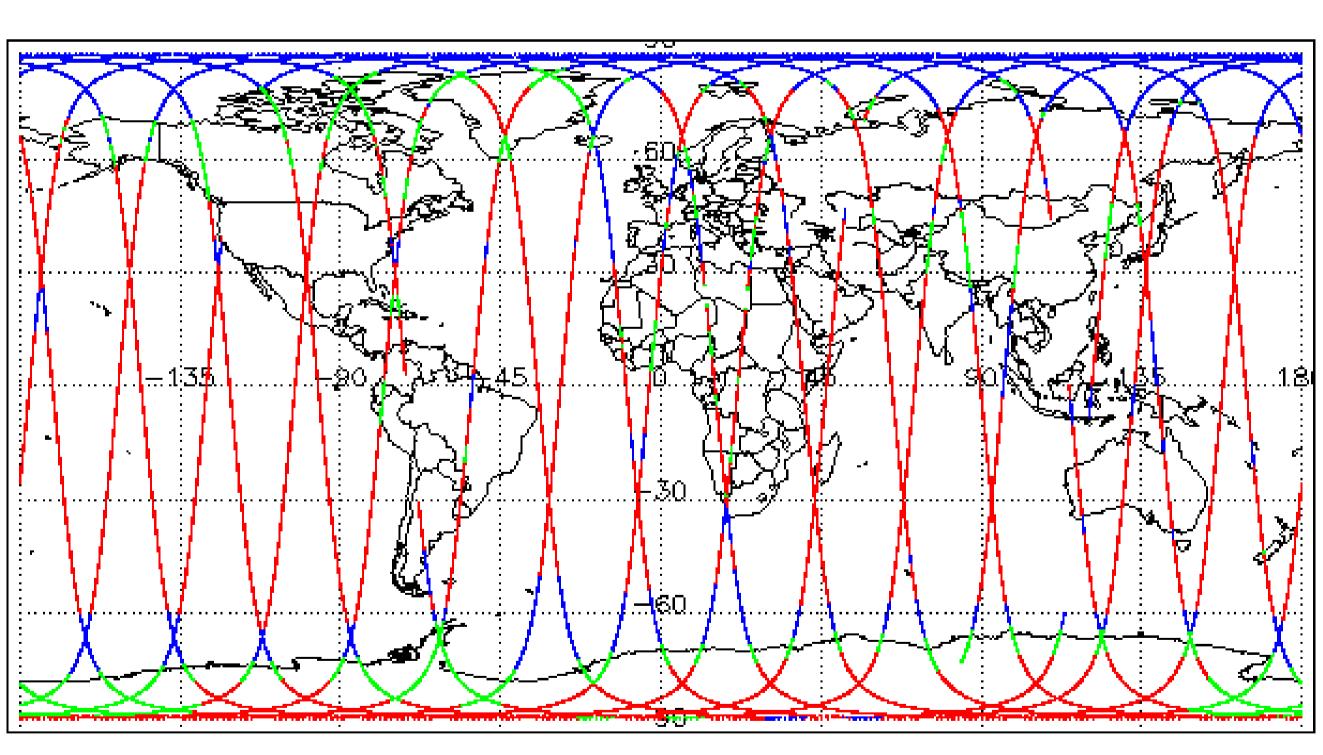
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary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

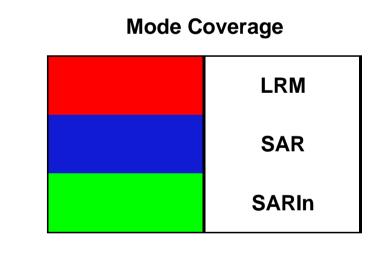
Mission / Ins	trument News
20-Sep-202	None None
21-Sep-202	2 None
22-Sep-202	Nothing planned

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

4. GOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

4.2 L1B Product Header Analysis

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

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

Number of products with errors:

4.3 L1B Auxilary Data File Usage Check

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

Number of products with errors:

4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

4.5 L1B Measurement Confidence Data Check

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

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

Number of products with errors:

2

0

0

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20220921T012550_20220921T012856_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_GOPM1B_20220921T132538_20220921T132850_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

4.6 L1B Waveform Group Data Check

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

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

17

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20220921T002737_20220921T004155_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20220921T011557_20220921T012020_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20220921T033535_20220921T035945_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20220921T091919_20220921T092543_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220921T005146_20220921T005756_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220921T013333_20220921T013747_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220921T121716_20220921T122308_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220921T133248_20220921T133410_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220921T145536_20220921T150025_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220921T194245_20220921T194412_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220921T212519_20220921T212919_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220921T230149_20220921T230328_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220921T230721_20220921T230816_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220921T073115_20220921T073517_C001	Loss of Echo	The tracking echo is missing for one or more records

5. GOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

5.2 L2 Product Header Analysis

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

Number of products with errors:

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors: 0

5.4 L2 Auxiliary Correction Error Check

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

0

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

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

Number of products with errors: 55

Product Description

	·	
CS_OFFL_SIR_GOPN_2_20220921T005146_20220921T005756_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220921T013333_20220921T013747_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220921T022224_20220921T022452_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220921T023118_20220921T023430_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220921T031222_20220921T031610_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220921T041209_20220921T041325_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220921T055116_20220921T055231_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220921T072121_20220921T072246_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220921T072807_20220921T073115_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220921T090104_20220921T090321_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220921T090707_20220921T091039_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220921T104146_20220921T104420_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220921T113654_20220921T113815_C001		There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20220921T121716_20220921T122308_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220921T131118_20220921T131221_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220921T131623_20220921T131834_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220921T135913_20220921T140056_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220921T140934_20220921T141135_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220921T145536_20220921T150025_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220921T162745_20220921T162831_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220921T171822_20220921T171942_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220921T171947_20220921T172217_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT and solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20220921T185812_20220921T190125_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220921T194245_20220921T194412_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220921T203559_20220921T204009_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220921T204541_20220921T204706_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220921T212519_20220921T212919_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20220921T221335_20220921T221512_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220921T222335_20220921T222518_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220921T230721_20220921T230816_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220920T235903_20220921T000638_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220921T002536_20220921T002737_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_20220921T013748_20220921T014351_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

Sec. OFFL. SIR. GOPR. 2. 20220921109392. 20220921109393. COST. Sec. OFFL. SIR. GOPR. 2. 20220921109393. 20220921109392. COST. Sec. OFFL. SIR. GOPR. 2. 20220921109393. COST. Sec. OFFL. SIR. GOPR. 2. 202209211109393. COST. Sec. OFFL. SIR. GOPR. 2. 202209211109394. COST. Sec. OFFL. SIR. GOPR. 2. 202209211109395. COST. Sec. OFFL. SIR. GOPR. 2. 2022	CS_OFFL_SIR_GOPR_2_20220921T014352_20220921T014443_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_DFR_SIR_GOPR_2_20220921T06988_2022092*T06988_CO01 Topography (1) Topography (2) Topography (3) Topography (3) Topography (4) Topography (3) Topography (4) Topography (5) Topography (5) Topography (5) Topography (6) Topography (6) Topography (6) Topography (6	CS_OFFL_SIR_GOPR_2_20220921T031611_20220921T032343_C001	` ' '	, , , , , , , , , , , , , , , , , , ,
CS_OFFL_SIR_GOPR_2_20220921T091025_20220921T0910850_C001 CS_OFFL_SIR_GOPR_2_20220921T091025_20220921T0910850_C001 CS_OFFL_SIR_GOPR_2_20220921T091025_20220921T0910850_C001 CS_OFFL_SIR_GOPR_2_20220921T091025_20220921T0910850_C001 CS_OFFL_SIR_GOPR_2_20220921T091025_20220921T0910850_C001 CS_OFFL_SIR_GOPR_2_20220921T1905066_20220921T0910850_C001 CS_OFFL_SIR_GOPR_2_20220921T1905066_20220921T0910850_C001 CS_OFFL_SIR_GOPR_2_20220921T1905066_20220921T190666_C001 CS_OFFL_SIR_GOPR_2_20220921T1905066_20220921T190666_C001 CS_OFFL_SIR_GOPR_2_20220921T1905066_20220921T190666_C001 CS_OFFL_SIR_GOPR_2_20220921T1905066_20220921T190666_C001 CS_OFFL_SIR_GOPR_2_20220921T1905066_20220921T190666_C001 CS_OFFL_SIR_GOPR_2_20220921T1905066_20220921T190666_C001 CS_OFFL_SIR_GOPR_2_20220921T1905066_20220921T190666_C001 CS_OFFL_SIR_GOPR_2_20220921T1905066_20220921T190666_C001 CS_OFFL_SIR_GOPR_2_20220921T1905066_20200921T190666_C001 CS_OFFL_SIR_GOPR_2_20220921T1905066_20200921T190666_C001 CS_OFFL_SIR_GOPR_2_20220921T1905066_0001 CS_OFFL_SIR_GOPR_2_20220921T1905066_0001 CS_OFFL_SIR_GOPR_2_20220921T1905066_0001 CS_OFFL_SIR_GOPR_2_20220921T1905066_0001 CS_OFFL_SIR_GOPR_2_20220921T1905066_0001 CS_OFFL_SIR_GOPR_2_20220921T1905066_0001 CS_OFFL_SIR_GOPR_2_20220921T1905066_0001 Mean Seas Surface (1), Mean Dynamic Tocopraphy (egit bookine 1) to one or more records CS_OFFL_SIR_GOPR_2_20220921T190506_0001 CS_OFFL_SIR_GOPR_2_20220921T190506_00001 CS_OFFL_SIR_GOPR_2_20220921T190506_00001 CS_OFFL_SIR_GOPR_2_20220921T190506_00001 CS_OFFL_SIR_GOPR_2_20220921T190506_00001 CS_OFFL_SIR_GOPR_2_20220921T190506_00001 CS_OFFL_SIR_GOPR_2_20220921T190506_000001 CS_OFFL_SIR_GOPR_2_20220921T190506_00001 CS_OFFL_SIR_GOPR_2_20220921T190506_000001 CS_OFFL_SIR_GOPR_2_20220921T190506_000001 CS_OFFL_SIR_GOPR_2_20220921T190506_000001 CS_OFFL_SIR_GOPR_2_20220921T190506_000001 CS_OFFL_SIR_GOPR_2_20220921T190506_0000001 CS_OFFL_SIR_GOPR_2_20220921T190506_0000001 CS_OFFL_SIR_GOPR_2_20220921T190506_0000000000000000000000000000000000	CS_OFFL_SIR_GOPR_2_20220921T045304_20220921T050046_C001		
Toography (1) SOFE SIR GOPR 2 20220921T095055 20220921T09505C COULD Man Dynamic Toography (1) SOFE SIR GOPR 2 20220921T09505C 20220921T09505C COULD Man Dynamic Toography (1) SOFE SIR GOPR 2 20220921T09505C 20220921T09505C COULD Man Dynamic Toography (1) SOFE SIR GOPR 2 20220921T09505C 20220921T09505C COULD Man Dynamic Toography (1) SOFE SIR GOPR 2 20220921T09505C 20220921T09505C COULD Man Dynamic Toography (1) SOFE SIR GOPR 2 20220921T09505C 20220921T09505C COULD Man Dynamic Toography (1) SOFE SIR GOPR 2 20220921T19505C 20220921T19505C COULD Man Dynamic Toography (1) SOFE SIR GOPR 2 20220921T19505C 20220921T19505C COULD Man Dynamic Toography (1) SOFE SIR GOPR 2 20220921T19505C 20220921T19505C COULD Man Dynamic Toography (1) SOFE SIR GOPR 2 20220921T19505C 20220921T19505C COULD Man Dynamic Toography (1) SOFE SIR GOPR 2 20220921T19505C 20220921T19505C COULD Man Dynamic Toography (1) SOFE SIR GOPR 2 20220921T19505C 20220921T19505C COULD Man Dynamic Toography (1) SOFE SIR GOPR 2 20220921T19505C 20220921T19505C COULD Man Dynamic Toography (1) SOFE SIR GOPR 2 20220921T19505C 20220921T19505C COULD MAN DYNAMIC TOOGRAPHY (1) SOFE SIR GOPR 2 20220921T19505C 20220921T19505C COULD MAN DYNAMIC TOOGRAPHY (1) SOFE SIR GOPR 2 20220921T19505C 20220921T19505C COULD MAN DYNAMIC TOOGRAPHY (1) SOFE SIR GOPR 2 20220921T19505C 20220921T19505C COULD MAN DYNAMIC TOOGRAPHY (1) SOFE SIR GOPR 2 20220921T19505C 20220921T19505C COULD MAN DYNAMIC TOOGRAPHY (1) SOFE SIR GOPR 2 20220921T19505C 20220921T19505C COULD MAN DYNAMIC TOOGRAPHY (1) Man Dy	CS_OFFL_SIR_GOPR_2_20220921T063239_20220921T063858_C001	` '	
Topography (1) CS_OFFL_SIR_GOPR_2_202209211089566_20209211089566_0001 Rean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_GOPR_2_202209211089566_202209211089562_0001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_GOPR_2_20220921111955_202209211113540_0001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_GOPR_2_202209211113540_20001 CS_OFFL_SIR_GOPR_2_202209211113540_20001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_GOPR_2_202209211113122_202209211113654_0001 CS_OFFL_SIR_GOPR_2_20220921113122_202209211113654_0001 CS_OFFL_SIR_GOPR_2_20220921113122_20220921113654_0001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_GOPR_2_20220921113001_20200211113662_0001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_GOPR_2_202209211163040_202209211166630_0001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPR_2_20220921176864_0001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_GOPR_2_202209	CS_OFFL_SIR_GOPR_2_20220921T063858_20220921T064039_C001		····
Topography (1) GS_OFFL_SIR_GOPR_2_20220921T096566_20220921T096566_0001 Mean Seas Surface (1), Mean Dynamic Topography (1) GS_OFFL_SIR_GOPR_2_20220921T1955206_20220921T195656_2020921T096566_2020921T09666_202	CS_OFFL_SIR_GOPR_2_20220921T081025_20220921T081758_C001		
Topography (1) Topography (2) Topography (2) Topography (3) Topography (3) Topography (4) Topography (4) Topography (5) Topography (5) Topography (6) Topography (6)	CS_OFFL_SIR_GOPR_2_20220921T081758_20220921T081935_C001		
Topography (1) Topography (1) Topography (2) Topography (3) Topography (4) Topography (4) Topography (4) Topography (5) Topography (6) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (6) Topography (7) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (7) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (7) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (8) Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)	CS_OFFL_SIR_GOPR_2_20220921T095206_20220921T095656_C001		
Topography (1) Topography (2) Topography (1) Topography (2) Topography (2) Topography (3) Topography (3) Topography (4) Topography (4) Topography (5) Topography (5) Topography (6) Topography (6)	CS_OFFL_SIR_GOPR_2_20220921T095656_20220921T095822_C001	, , ,	
Topography (1) Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one or more records CS_OFFL_SIR_GOPR_2_20220921T180948_20220921T181743_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (n) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (n) Topography (n) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (n) Topography (n) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or	CS_OFFL_SIR_GOPR_2_20220921T112955_20220921T113540_C001	<u></u>	, , , , ,
Topography (1) 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 Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (fi) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (fi) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (fi) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more recor	CS_OFFL_SIR_GOPR_2_20220921T113540_20220921T113654_C001		
Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPR_2_20220921T163040_20220921T163603_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography	CS_OFFL_SIR_GOPR_2_20220921T131222_20220921T131622_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 or more records There is an error with the Mean Dynamic Topography (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is 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_20220921T145024_20220921T145536_C001		
CS_OFFL_SIR_GOPR_2_20220921T180948_20220921T180046_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) for one or more records There is an error with the MSS height (solution 1) for one or more records There is an error with the MSS height (solution 1) for one or more records There is an error with the MSS height (solution 1) for one or more records	CS_OFFL_SIR_GOPR_2_20220921T163040_20220921T163603_C001		
CS_OFFL_SIR_GOPR_2_20220921T180948_20220921T181743_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is 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_20220921T175851_20220921T175953_C001	Mean Dynamic Topography (1)	
Topography (1) Topography (220220921T180442020921T195644_C001 CS_OFFL_SIR_GOPR_2_20220921T194820_20220921T195644_C001 CS_OFFL_SIR_GOPR_2_20220921T212919_20220921T213247_C001 CS_OFFL_SIR_GOPR_2_20220921T212919_20220921T213247_C001 CS_OFFL_SIR_GOPR_2_20220921T213247_20220921T213247_C001 CS_OFFL_SIR_GOPR_2_20220921T213247_20220921T213645_C001 CS_OFFL_SIR_GOPR_2_20220921T230817_20220921T231358_C001 Mean Sea Surface (1), Mean Dynamic Topography (and Dynamic Topography (believe to the MSS height (solution 1) and the Mean Dynamic Topography (believe to the MSS height (solution 1) and the Mean Dynamic Topography (believe to the MSS height (solution 1) and the Mean Dynamic Topography (believe to the MSS height (solution 1) and the Mean Dynamic Topography (believe to the MSS height (solution 1) and the Mean Dynamic Topography (believe to the MSS height (solution 1) and the Mean Dynamic Topography (believe to the MSS height (solution 1) and the Mean Dynamic Topography (believe to the MSS height (solution 1) and the Mean Dynamic Topography (believe to the MSS height (solution 1) and the Mean Dynamic Topography (believe to the MSS height (solution 1) and the Mean Dynamic Topography (believe to the MSS height (solution 1) and the Mean Dynamic Topography (believe to the MSS height (solution 1) and the Mean Dynamic Topography (believe to the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPR_2_20220921T231412_20220921T231549_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_20220921T175955_20220921T180046_C001	Mean Dynamic Topography (1)	
CS_OFFL_SIR_GOPR_2_20220921T2194620_20220921T213247_C001 Topography (1) Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic 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_GOPR_2_20220921T180948_20220921T181743_C001		
Topography (1) CS_OFFL_SIR_GOPR_2_20220921T213247_20220921T213645_C001 CS_OFFL_SIR_GOPR_2_20220921T213247_20220921T213645_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) for one or more records There is an error with the Mean Dynamic Topography (1)	CS_OFFL_SIR_GOPR_2_20220921T194820_20220921T195644_C001		
CS_OFFL_SIR_GOPR_2_20220921T213247_20220921T213645_C001 Topography (1) Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Topography height (solution 1) for one or more records Topography (1) Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) for one or more records There is an error with the Mean Dynamic Topography (1) Topography (1) Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one or more records	CS_OFFL_SIR_GOPR_2_20220921T212919_20220921T213247_C001		
CS_OFFL_SIR_GOPR_2_20220921T230817_20220921T231358_C001 Topography (1) Topography (1) Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one There is an error with the Mean Dynamic Topography (solution 1) for one	CS_OFFL_SIR_GOPR_2_20220921T213247_20220921T213645_C001		
CS OFFE SIR GOPR 2 202209211231412 202209211231549 C001 IMEAN DVNAMIC LODOGRADDY (1)	CS_OFFL_SIR_GOPR_2_20220921T230817_20220921T231358_C001		
	CS_OFFL_SIR_GOPR_2_20220921T231412_20220921T231549_C001	Mean Dynamic Topography (1)	

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_20220921T012550_20220921T012856_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_20220921T132538_20220921T132850_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20 Hz)

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

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

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

2

Number of products with errors: 106

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20220921T001604_20220921T002514_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPM_2_20220921T002516_20220921T002535_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

20. 011 - 387 - 3078 (3 - 320201 T3044 3823001 T3042 CV) 20. 011 - 387 - 3078 (3 - 320201 T3044 3823001 T3042 CV) 20. 011 - 387 - 3078 (3 - 320201 T3044 3823001 T3042 CV) 20. 011 - 387 - 3078 (3 - 320201 T3044 3823001 T3042 CV) 20. 011 - 387 - 3078 (3 - 320201 T3044 3823001 T3042 CV) 20. 011 - 387 - 3078 (3 - 320201 T3044 3823001 T3042 CV) 20. 011 - 387 - 3078 (3 - 320201 T3044 3823001 T3042 CV) 20. 011 - 387 - 3078 (3 - 320201 T3044 3823001 T3042 CV) 20. 011 - 387 - 3078 (3 - 320201 T3044 3823001 T3042 CV) 20. 011 - 387 - 3078 (3 - 320201 T3044 3823001 T3042 CV) 20. 011 - 387 - 3078 (3 - 320201 T3044 3823001 T3042 CV) 20. 011 - 387 - 3078 (3 - 320201 T3044 3823001 T3044 CV) 20. 011 - 387 -	CS_OFFL_SIR_GOPM_2_20220921T004501_20220921T004956_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
20.0FE_SR_GOME_202021 0216_202021 0216_202021 0206_2010	CS_OFFL_SIR_GOPM_2_20220921T005844_20220921T005956_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
19_00P_3P_30P_2_202009** 10/00P_3P_202020** 10/00P_3P_2020** 10/00P_3P_3P_2020** 10/00P_3P_3P_3P_3P_3P_3P_3P_3P_3P_3P_3P_3P_3P	CS_OFFL_SIR_GOPM_2_20220921T012143_20220921T012409_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
C2_0+1_280042_2222811122342222221132355_001	CS_OFFL_SIR_GOPM_2_20220921T013018_20220921T013236_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Col. CPFL_SR_QOPM_2_0220021T102002_022012T102003_0.001	CS_OFFL_SIR_GOPM_2_20220921T013243_20220921T013332_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
22, OPFL \$ 1, COPM 2, 22220021103250 2220021103250 COOL Command	CS_OFFL_SIR_GOPM_2_20220921T020525_20220921T022040_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
### OFFILE GORPY 2_02200211003583_02200211003593_02001 GROPPL SIRK GORPY 2_02200211003593_02200211003593_02001 GROPPL SIRK GORPY 2_02200211003593_020001 GROPPL SIRK GORPY 2_022002211003593_020001 GROPPL SIRK GORPY 2_0	CS_OFFL_SIR_GOPM_2_20220921T023700_20220921T031017_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Sedescenter Coasily CS_OFFIL_SIR_SOPM_2_20220921T040921_20220921T040931_CO11 CS_OFFIL_SIR_SOPM_2_20220921T040921_20220921T040931_CO11 CS_OFFIL_SIR_SOPM_2_20220921T041561_20220921T04424_CO11 CS_OFFIL_SIR_SOPM_2_20220921T044561_20220921T04424_CO11 CS_OFFIL_SIR_SOPM_2_20220921T044591_20220921T04424_CO11 CS_OFFIL_SIR_SOPM_2_20220921T044591_20220921T05038_CO11 CS_OFFIL_SIR_SOPM_2_20220921T040491_20220921T05038_CO11 CS_OFFIL_SIR_SOPM_2_20220921T05038_CO11 CS_OFFIL_SIR_SOPM_2_20220921T05102_20220921T05038_CO11 CS_OFFIL_SIR_SOPM_2_20220921T05102_20220921T05038_CO11 CS_OFFIL_SIR_SOPM_2_20220921T05102_20220921T05038_CO11 CS_OFFIL_SIR_SOPM_2_20220921T05102_20220921T05038_CO11 CS_OFFIL_SIR_SOPM_2_20220921T05102_20220921T05038_CO11 CS_OFFIL_SIR_SOPM_2_202220921T05102_20220921T05038_CO11 CS_OFFIL_SIR_SOPM_2_202220921T05102_20220921T05038_CO11 CS_OFFIL_SIR_SOPM_2_202220921T05102_20220921T05003_CO11 CS_OFFIL_SIR_SOPM_2_202220921T05102_20220921T05003_CO11 CS_OFFIL_SIR_SOPM_2_202220921T05102_20220921T05003_CO11 CS_OFFIL_SIR_SOPM_2_202220921T05102_20220921T05003_CO11 CS_OFFIL_SIR_SOPM_2_202220921T05102_20220921T05003_CO11 CS_OFFIL_SIR_SOPM_2_202220921T05102_20220921T05003_CO11 CS_OFFIL_SIR_SOPM_2_202220921T05102_20220921T05003_CO11 CS_OFFIL_SIR_SOPM_2_202220921T05103_20220921T05003_CO11 CS_OFFIL_SIR_SOPM_2_202220921T05103_20220921T05003_CO11 CS_OFFIL_SIR_SOPM_2_202220921T05103_20220921T05003_CO11 CS_OFFIL_SIR_SOPM_2_202220921T05103_20220921T05103_CO11 CS_OFFIL_SIR_SOPM_2_202220921T05103_20220921T05103_2	CS_OFFL_SIR_GOPM_2_20220921T033535_20220921T035945_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Docum A furnier Range and Backscatter Quality Flags have been set for or or or or or more records. Octom A furnier Range, SSHA, SVH and Backscatter Quality Flags have been set for or or or or or more records. Octom A furnier Range, SSHA, SVH and Backscatter Quality Flags have been set for or o	CS_OFFL_SIR_GOPM_2_20220921T040319_20220921T040825_C001		l.
cs OFFL SR GOPM 2 20220821T04450, 20220821T04474 (2001 CS_OFFL_SR_GOPM_2_20220821T04408_20220821T04474 (2001) CS_OFFL_SR_GOPM_2_20220821T04408_20220821T04474 (2001) CS_OFFL_SR_GOPM_2_20220821T04408_20220821T054092 (2002) CS_OFFL_SR_GOPM_2_20220821T04408_20220821T054092 (2002) CS_OFFL_SR_GOPM_2_20220821T054092_20220821T054092 (2002) CS_OFFL_SR_GOPM_2_202208	CS_OFFL_SIR_GOPM_2_20220921T040828_20220921T040838_C001		
and Backscater Quality, COCO CS OFFL SIR GOPM 2 202209211050251 202209211050396 CO11 CS OFFL SIR GOPM 2 202209211050251 202209211050396 CO11 CS OFFL SIR GOPM 2 202209211050251 202209211050396 CO11 CS OFFL SIR GOPM 2 202209211051100 202209211051300 CO01 CS OFFL SIR GOPM 2 202209211051100 202209211051300 CO11 CS OFFL SIR GOPM 2 202209211051100 202209211051300 CO11 CS OFFL SIR GOPM 2 202209211051100 20220921105309 CO11 CS OFFL SIR GOPM 2 202209211051100 20220921105309 CO11 CS OFFL SIR GOPM 2 202209211051100 20220921105309 CO11 CS OFFL SIR GOPM 2 202209211051100 20220921105209 CO11 CS OFFL SIR GOPM 2 20220921105209 20220921105209 CO11 CS OFFL SIR GOPM 2 20220921105209 20220921105209 CO11 CS OFFL SIR GOPM 2 20220921105209 202209211055912 CO11 CS OFFL SIR GOPM 2 202209211055912 CO11 CS OFFL SIR GOPM 2 202209211055912 CO11 CS OFFL SIR GOPM 2 20220921105592 CO11 CS OFFL SIR GOPM 2 20220921107590 CO11 CS	CS_OFFL_SIR_GOPM_2_20220921T041550_20220921T044242_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality. COG Allmenter Range and Backscatter Quality Fligs have been set for one or more records. CS OFFL SIR GOPM 2 20220921T051182 20220921T051302 COol Backscatter Quality. COG Backscatter Quality. COG Allmenter Range and Backscatter Quality Fligs have been set for one or more records. CS OFFL SIR GOPM 2 20220921T051422 20220921T052008 COOl Allmenter Range, SSHA, SWH and Backscatter Quality Fligs have been set for one or more records. CS OFFL SIR GOPM 2 20220921T052019 20220921T052015 COOl Backscatter Quality. COG Allmenter Range and Backscatter Quality Fligs have been set for one or more records. CS OFFL SIR GOPM 2 20220921T052019 20220921T055915 COOl Backscatter Quality. COG Allmenter Range and Backscatter Quality. COG Backscatter Quality. COG Allmenter Range and Backscatter Quality. COG Allmenter Range and Backscatter Quality. Fligs have been set for one or more records. CS OFFL SIR GOPM 2 20220921T054743 20220921T052555.COol Backscatter Quality. COG Allmenter Range and Backscatter Quality. Sol Backscatter Quality. COG Allmenter Range and Backscatter Quality. Sol Backscatter Quality. COG Allmenter Range and Backscatter Quality. COG Allmenter Range and Backscatter Quality. Sol Backscatter Quality. COG Allmenter Range and Backscatter Quality. Sol Backscatter Quality. COG Allmenter Range and Backscatter Quality. Sol Backscatter Quality. COG Allmenter Range and Backscatter Quality. Sol Backscatter Quality. COG Allmenter Range and Backscatter Quality. Sol Backscatter Quality. COG Allmenter Range and Backscatter Quality. Sol Backscatter Quality. COG Allmenter Range and Backscatter Qua	CS_OFFL_SIR_GOPM_2_20220921T044408_20220921T044714_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscater Quality CS_OFFL_SIR_GOPM_2_20220921T051422_20220921T052006_COOT Altimeter Range and Backscater Quality Flags have been ast for one or more records CS_OFFL_SIR_GOPM_2_20220921T052010_20220921T053912_COOT CS_OFFL_SIR_GOPM_2_20220921T052010_20220921T053912_COOT CS_OFFL_SIR_GOPM_2_20220921T054743_20220921T053915_COOT CS_OFFL_SIR_GOPM_2_20220921T054743_20220921T0549145_COOT Altimeter Range and Backscater Quality Flags have been ast for one or more records CS_OFFL_SIR_GOPM_2_20220921T054743_20220921T054947_COOT CS_OFFL_SIR_GOPM_2_20220921T054743_20220921T054947_COOT CS_OFFL_SIR_GOPM_2_20220921T0549474_COOT CS_OFFL_SIR_GOPM_2_20220921T0549474_COOT CS_OFFL_SIR_GOPM_2_20220921T054029_20220921T0540407_COOT CS_OFFL_SIR_GOPM_2_20220921T0540407_COOT CS_OFFL_SIR_GOPM_2_20220921T074407_COOT CS_OFFL_SIR_GOPM_2_20220921T074407_COOT CS_OFFL_SIR_GOPM_2_20220921T074407_COOT CS_OFFL_SIR_GOPM_2_20220921T074407_COOT CS_OFFL_SIR_GOPM_2_20220921T074407_COOT CS_OFFL_SIR_GOPM_2_20220921T074407_COOT CS_OFFL_SIR_GOPM_2_20220921T0740407_COOT CS_OFFL_SIR_GOPM_2_20220921T0750007_COOT CS_OFFL_SIR_GOPM_2_20220921T0750007_COOT CS_OFFL_SIR_GOPM_2_20220921T0750007_COOT CS_OFFL_SIR_GOPM_2_20220921T0750007_COOT CS_OFFL_SIR_GOPM_2_20220921T0750007_COOT CS_OFFL_SIR_GOPM_2_2	CS_OFFL_SIR_GOPM_2_20220921T050251_20220921T050336_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, COGA Altimeter Range and Backscatter Quality Flags have been a fel or one or more records CS OFFL SIR GOPM 2 20220921T052010 20220921T053912. CO01 CS OFFL SIR GOPM 2 20220921T054743 20220921T055915 CO01 CS OFFL SIR GOPM 2 20220921T054743 20220921T052515 CO01 CS OFFL SIR GOPM 2 20220921T054039 20220921T06407 CO01 CS OFFL SIR GOPM 2 20220921T0740039 20220921T0740407 CO01 CS OFFL SIR GOPM 2 20220921T0740039 20220921T074007 CO01 CS OFFL SIR GOPM 2 20220921T0740039 20220921T074000 CO01 CS OFFL SIR GOPM 2 20220921T074000 CO01 CS OFFL SIR GOPM 2 20220921T07400 CO01 CS OFFL SIR GOPM 2 20220921T07500 20220921T07501 CO01 CS OFFL SIR GOPM 2 20220921T07500 20220921T07501 CO01 CS OFFL SIR GOPM 2 20220921T07500 CO01 CS OFFL SIR GOPM 2 20220921T07500 20220921T07501 CO01 CS OFFL SIR GOPM 2 20220921T07500 20220921T07501 CO01 CS OFFL SIR GOPM 2 20220921T07501 20220921T07501 CO01 CS OFFL SIR GOPM 2 20220921T07500 2000 2000 2000 2000 2000 2000 2000	CS_OFFL_SIR_GOPM_2_20220921T051100_20220921T051302_C001	_	, ,
and Backscatter Quality COG Altimeter Range and Backscatter Quality Flags have been a Altimeter Range and Backscatter Quality Flags have been a Altimeter Range Quality, COG COG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCGG Altimeter Range, SSHA, SWH and Backscatter Quality, OCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set one or more records The OCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set or one or more records The OCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCGG Alti	CS_OFFL_SIR_GOPM_2_20220921T051422_20220921T052008_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPM_2_20220921T055624_20220921T062855_CO01 CS_OFFL_SIR_GOPM_2_20220921T064039_20220921T064407_CO01 CS_OFFL_SIR_GOPM_2_20220921T071256_20220921T07101_CO01 CS_OFFL_SIR_GOPM_2_20220921T071256_20220921T07101_CO01 CS_OFFL_SIR_GOPM_2_20220921T071256_20220921T07701_CO01 CS_OFFL_SIR_GOPM_2_20220921T071256_20220921T07701_CO01 CS_OFFL_SIR_GOPM_2_20220921T071256_20220921T07701_CO01 CS_OFFL_SIR_GOPM_2_20220921T072246_20220921T072806_CO01 CS_OFFL_SIR_GOPM_2_20220921T072246_20220921T075615_CO01 CS_OFFL_SIR_GOPM_2_20220921T075901_20220921T075615_CO01 CS_OFFL_SIR_GOPM_2_20220921T075901_20220921T08430_CO01 CS_OFFL_SIR_GOPM_2_20220921T075901_20220921T084400_CO01 Altimeter Range and Backscatter Quality, COCO6 Altimeter Range and Backscatter Quality, COCO6 Altimeter Range and Backscatter Quality SIA, SWH and Backscatter	CS_OFFL_SIR_GOPM_2_20220921T052010_20220921T053912_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20220921T064039_20220921T07105_C001 CS_OFFL_SIR_GOPM_2_20220921T071256_20220921T07105_C001 CS_OFFL_SIR_GOPM_2_20220921T071256_20220921T07105_C001 CS_OFFL_SIR_GOPM_2_20220921T071256_20220921T07105_C001 CS_OFFL_SIR_GOPM_2_20220921T071256_20220921T07105_C001 CS_OFFL_SIR_GOPM_2_20220921T072246_20220921T072006_C001 CS_OFFL_SIR_GOPM_2_20220921T073517_20220921T075615_C001 CS_OFFL_SIR_GOPM_2_20220921T073517_20220921T075615_C001 CS_OFFL_SIR_GOPM_2_20220921T073517_20220921T075615_C001 CS_OFFL_SIR_GOPM_2_20220921T075901_20220921T081025_C001 CS_OFFL_SIR_GOPM_2_20220921T08208_20220921T084025_C001 CS_OFFL_SIR_GOPM_2_20220921T08208_20220921T084030_C001 CS_OFFL_SIR_GOPM_2_20220921T08208_20220921T084030_C001 CS_OFFL_SIR_GOPM_2_20220921T08208_20220921T084055_C001 CS_OFFL_SIR_GOPM_2_20220921T08208_20220921T084055_C001 CS_OFFL_SIR_GOPM_2_20220921T08208_20220921T084050_C001 CS_OFFL_SIR_GOPM_2_20220921T08208_20220921T084050_C001 CS_OFFL_SIR_GOPM_2_20220921T08203_20220921T0840510_C001 CS_OFFL_SIR_GOPM_2_20220921T08203_20220921T0840510_C001 CS_OFFL_SIR_GOPM_2_20220921T08203_20220921T0840510_C001 CS_OFFL_SIR_GOPM_2_20220921T08203_20220921T0840510_C001 CS_OFFL_SIR_GOPM_2_20220921T08203_20220921T0840510_C001 CS_OFFL_SIR_GOPM_2_20220921T08203_20220921T0840510_C001 CS_OFFL_SIR_GOPM_2_20220921T084023_20220921T0840510_C001 CS_OFFL_SIR_GOPM_2_20220921T084023_20220921T0840510_C001 CS_OFFL_SIR_GOPM_2_20220921T084023_20220921T084510_C001 CS_OFFL_SIR_GOPM_2_20220921T084023_20220921T084510_C001 CS_OFFL_SIR_GOPM_2_20220921T084023_20220921T084510_C001 CS_OFFL_SIR_GOPM_2_20220921T084023_20220921T084510_C001 CS_OFFL_SIR_GOPM_2_20220921T084058_2020921T084510_C001 CS_OFFL_SIR_GOPM_2_20220921T084058_2020921T084510_C001 CS_OFFL_SIR_GOPM_2_20220921T084058_2020921T084510_C001 CS_OFFL_SIR_GOPM_2_20220921T084058_2020921T084510_C001 CS_OFFL_SIR_GOPM_2_20220921T084058_2020921T084510_C001 CS_OFFL_SIR_GOPM_2_202209	CS_OFFL_SIR_GOPM_2_20220921T054743_20220921T055115_C001		, ,
and Backscatter Quality. CCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPM_2_20220921T055624_20220921T062855_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20220921T072246_20220921T072806_C001 CS_OFFL_SIR_GOPM_2_20220921T073517_20220921T075615_C001 CS_OFFL_SIR_GOPM_2_20220921T073517_20220921T075615_C001 CS_OFFL_SIR_GOPM_2_20220921T075901_20220921T075615_C001 CS_OFFL_SIR_GOPM_2_20220921T075901_20220921T081025_C001 CS_OFFL_SIR_GOPM_2_20220921T082008_20220921T082430_C001 CS_OFFL_SIR_GOPM_2_20220921T082008_20220921T082430_C001 CS_OFFL_SIR_GOPM_2_20220921T084023_20220921T084510_C001 CS_OFFL_SIR_GOPM_2_20220921T084023_20220921T084510_C001 CS_OFFL_SIR_GOPM_2_20220921T084058_20220921T084550_C001 CS_OFFL_SIR_GOPM_2_20220921T084058_20220921T085652_C001 CS_OFFL_SIR_GOPM_2_20220921T0846658_20220921T085652_C001 CS_OFFL_SIR_GOPM_2_20220921T0846658_20220921T085652_C001 Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20220921T084023_20220921T082430_C001 CS_OFFL_SIR_GOPM_2_20220921T084023_20220921T084510_C001 CS_OFFL_SIR_GOPM_2_20220921T084023_20220921T084510_C001 CS_OFFL_SIR_GOPM_2_20220921T084023_20220921T084510_C001 CS_OFFL_SIR_GOPM_2_20220921T084023_20220921T084510_C001 CS_OFFL_SIR_GOPM_2_20220921T084058_20220921T084510_C001 CS_OFFL_SIR_GOPM_2_20220921T084058_20220921T084510_C001 CS_OFFL_SIR_GOPM_2_20220921T084058_20220921T084510_C001 CS_OFFL_SIR_GOPM_2_20220921T084058_20220921T084510_C001 CS_OFFL_SIR_GOPM_2_20220921T084058_20220921T084510_C001 CS_OFFL_SIR_GOPM_2_20220921T084058_20220921T084510_C001 CS_OFFL_SIR_GOPM_2_20220921T084058_20220921T084510_C001 CS_OFFL_SIR_GOPM_2_20220921T084058_20220921T084510_C001 CS_OFFL_SIR_GOPM_2_20220921T084058_2020921T084510_C001 CS_OFFL_SIR_GOPM_2_20220921T084058_2020921T084510_C001 CS_OFFL_SIR_GOPM_2_20220921T084058_2020921T084510_C001 CS_OFFL_SIR_GOPM_2_20220921T084058_2020921T084510_C001 CS_OFFL_SIR_GOPM_2_20220921T084058_2020921T084510_C001 CS_OFFL_S	CS_OFFL_SIR_GOPM_2_20220921T064039_20220921T064407_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPM_2_20220921T073517_20220921T075615_C001 Doean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been Set for one or more records CS_OFFL_SIR_GOPM_2_20220921T082008_20220921T082430_C001 CS_OFFL_SIR_GOPM_2_20220921T084023_20220921T084510_C001 Doean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Set for one or more records Doean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Set for one or more records	CS_OFFL_SIR_GOPM_2_20220921T071256_20220921T071701_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20220921T073517_20220921T075615_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records Cs_OFFL_SIR_GOPM_2_20220921T075901_20220921T081025_C001 Cs_OFFL_SIR_GOPM_2_20220921T082008_20220921T082430_C001 Cs_OFFL_SIR_GOPM_2_20220921T082008_20220921T082430_C001 Cs_OFFL_SIR_GOPM_2_20220921T082008_20220921T082430_C001 Cs_OFFL_SIR_GOPM_2_20220921T084023_20220921T084510_C001 Cs_OFFL_SIR_GOPM_2_20220921T084023_20220921T084510_C001 Cs_OFFL_SIR_GOPM_2_20220921T084023_20220921T084510_C001 Cs_OFFL_SIR_GOPM_2_20220921T084023_20220921T084550_C001 Cs_OFFL_SIR_GOPM_2_20220921T084023_20220921T084550_C001 Cs_OFFL_SIR_GOPM_2_20220921T084023_20220921T084550_C001 Cs_OFFL_SIR_GOPM_2_20220921T084058_20220921T085652_C001 Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records Coean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records Coean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records Coean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPM_2_20220921T072246_20220921T072806_C001		, ,
CS_OFFL_SIR_GOPM_2_20220921T081025_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPM_2_20220921T073517_20220921T075615_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20220921T082008_20220921T082430_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_GOPM_2_20220921T084023_20220921T084510_C001 CS_OFFL_SIR_GOPM_2_20220921T084023_20220921T084550_C001 and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20220921T084658_20220921T085652_C001 The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and Backscatter Quality	CS_OFFL_SIR_GOPM_2_20220921T075901_20220921T081025_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20220921T084023_20220921T084510_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and	CS_OFFL_SIR_GOPM_2_20220921T082008_20220921T082430_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20220921T084658_20220921T085652_C001 and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPM_2_20220921T084023_20220921T084510_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_GOPM_2_20220921T084658_20220921T085652_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_GOPM_2_20220921T090321_20220921T090707_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_20220921T091423_20220921T091910_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_20220921T091919_20220921T092543_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_20220921T092719_20220921T094605_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_20220921T094607_20220921T095025_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_20220921T100350_20220921T101020_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_20220921T101041_20220921T103447_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_20220921T104911_20220921T105046_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_20220921T105404_20220921T105927_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_20220921T110926_20220921T111036_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_20220921T111516_20220921T112217_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_20220921T113815_20220921T114208_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_20220921T114344_20220921T114937_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_20220921T115047_20220921T115920_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_20220921T120539_20220921T121620_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_20220921T122308_20220921T122529_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_20220921T122602_20220921T123024_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_20220921T123315_20220921T123911_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_20220921T124021_20220921T124705_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_20220921T131858_20220921T131952_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_20220921T132221_20220921T132416_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_20220921T133021_20220921T133248_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_20220921T133411_20220921T133854_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_20220921T134201_20220921T135644_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_20220921T140056_20220921T140934_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_20220921T141306_20220921T143430_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_20220921T150250_20220921T153627_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_20220921T154259_20220921T154733_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_20220921T155244_20220921T155527_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_20220921T155559_20220921T161600_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_20220921T162426_20220921T162745_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_20220921T162832_20220921T162956_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_20220921T164854_20220921T171436_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_20220921T172217_20220921T172809_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_20220921T173137_20220921T175152_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_20220921T175155_20220921T175446_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_20220921T180046_20220921T180138_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_20220921T180708_20220921T180922_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_20220921T182043_20220921T185351_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_20220921T190125_20220921T190642_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_20220921T191321_20220921T191528_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_20220921T193414_20220921T193551_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_20220921T194412_20220921T194820_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_20220921T195644_20220921T195725_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_20220921T195833_20220921T200929_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_20220921T201215_20220921T203334_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_20220921T204009_20220921T204127_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_20220921T204135_20220921T204541_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_20220921T205108_20220921T210047_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_20220921T210234_20220921T210851_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_20220921T211026_20220921T211509_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_20220921T213721_20220921T221157_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (20 Hz PLRM)

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

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

> OCOG Altimeter Range and Backscatter PLRM Quality Flags: These flags are currently set for occasional records over continental ice. Number of products with errors: 91 Test Failed Description **Product** OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS OFFL SIR GOPN 2 20220921T001211 20220921T001604 C001 OCOG Backscatter Quality more records Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been CS_OFFL_SIR_GOPN_2_20220921T004315_20220921T004501_C001 Altimeter Range and Backscatter Quality set for one or more records PLRM Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been CS_OFFL_SIR_GOPN_2_20220921T005146_20220921T005756_C001 Altimeter Range and Backscatter Quality set for one or more records PLRM OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS_OFFL_SIR_GOPN_2_20220921T012856_20220921T013018_C001 **OCOG Backscatter Quality** more records Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been CS_OFFL_SIR_GOPN_2_20220921T013236_20220921T013243_C001 Altimeter Range and Backscatter Quality set for one or more records PLRM OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS_OFFL_SIR_GOPN_2_20220921T022224_20220921T022452_C001 OCOG Backscatter Quality more records Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG CS_OFFL_SIR_GOPN_2_20220921T023118_20220921T023430_C001 Altimeter Range and Backscatter Quality set for one or more records and the OCOG Altimeter Range and Backscatter Quality Flags have been PLRM OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS OFFL SIR GOPN 2 20220921T031017 20220921T031140 C001 OCOG Backscatter Quality more records OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS OFFL SIR GOPN 2 20220921T031222 20220921T031610 C001 OCOG Backscatter Quality more records Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been CS_OFFL_SIR_GOPN_2_20220921T041209_20220921T041325_C001 Altimeter Range and Backscatter Quality set for one or more records PLRM The OCOG Range and Backscatter Quality Flags have been set for one or OCOG Altimeter Range Quality PLRM, CS_OFFL_SIR_GOPN_2_20220921T044714_20220921T045304_C001 OCOG Backscatter Quality more records OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS_OFFL_SIR_GOPN_2_20220921T054140_20220921T054303_C001 OCOG Backscatter Quality more records OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS_OFFL_SIR_GOPN_2_20220921T055116_20220921T055231_C001 OCOG Backscatter Quality more records OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS_OFFL_SIR_GOPN_2_20220921T063103_20220921T063238_C001 OCOG Backscatter Quality more records OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS_OFFL_SIR_GOPN_2_20220921T070145_20220921T070204_C001 OCOG Backscatter Quality more records Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been CS_OFFL_SIR_GOPN_2_20220921T072121_20220921T072246_C001 Altimeter Range and Backscatter Quality set for one or more records PLRM The OCOG Range and Backscatter Quality Flags have been set for one or OCOG Altimeter Range Quality PLRM, CS_OFFL_SIR_GOPN_2_20220921T072807_20220921T073115_C001 OCOG Backscatter Quality more records OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS_OFFL_SIR_GOPN_2_20220921T083656_20220921T084023_C001 OCOG Backscatter Quality more records The OCOG Range and Backscatter Quality Flags have been set for one or OCOG Altimeter Range Quality PLRM, CS_OFFL_SIR_GOPN_2_20220921T100240_20220921T100329_C001 OCOG Backscatter Quality more records Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been CS_OFFL_SIR_GOPN_2_20220921T105046_20220921T105239_C001 Altimeter Range and Backscatter Quality set for one or more records PLRM OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS_OFFL_SIR_GOPN_2_20220921T112217_20220921T112343_C001 OCOG Backscatter Quality more records OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS_OFFL_SIR_GOPN_2_20220921T121716_20220921T122308_C001

OCOG Backscatter Quality

more records

CS_OFFL_SIR_GOPN_2_20220921T131118_20220921T131221_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_20220921T131623_20220921T131834_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_20220921T131953_20220921T132221_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_20220921T132416_20220921T132538_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_20220921T133248_20220921T133410_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_20220921T140934_20220921T141135_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_20220921T143614_20220921T143930_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_20220921T145536_20220921T150025_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_20220921T154733_20220921T154952_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_20220921T162009_20220921T162115_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_20220921T171822_20220921T171942_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_20220921T171947_20220921T172217_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_20220921T180650_20220921T180707_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_20220921T181744_20220921T181850_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_20220921T185812_20220921T190125_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_20220921T190642_20220921T190754_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_20220921T192902_20220921T193045_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_20220921T194245_20220921T194412_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_20220921T203559_20220921T204009_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_20220921T212519_20220921T212919_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_20220921T230149_20220921T230328_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_20220921T230721_20220921T230816_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_20220920T235903_20220921T000638_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_20220921T013748_20220921T014351_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_20220921T023431_20220921T023659_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_20220921T031611_20220921T032343_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_20220921T041326_20220921T041550_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_20220921T045304_20220921T050046_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_20220921T053913_20220921T054140_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_20220921T055232_20220921T055624_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_20220921T063028_20220921T063103_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_20220921T063239_20220921T063858_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_20220921T063858_20220921T064039_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_20220921T064555_20220921T064613_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_20220921T071101_20220921T071255_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_20220921T071701_20220921T072120_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_20220921T073115_20220921T073517_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_20220921T081025_20220921T081758_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_20220921T091039_20220921T091423_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_20220921T095841_20220921T100122_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_20220921T103447_20220921T104146_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_20220921T112928_20220921T112953_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_20220921T112955_20220921T113540_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_20220921T115920_20220921T120018_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_20220921T120102_20220921T120134_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_20220921T130936_20220921T131117_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_20220921T131222_20220921T131622_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_20220921T141136_20220921T141306_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_20220921T144211_20220921T144234_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_20220921T145024_20220921T145536_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_20220921T153627_20220921T153848_C001	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_20220921T154952_20220921T155244_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

Ocean Altimeter Range SSHA. SWH and Backscatter Quality Flags have been set for one or more records OCS_OFFL_SIR_GOPR_2_20220921T17437_20220921T17570_2020921T17574_CDDD OCEAN Altimeter Range Alla SPHA, DOCO Altimeter Range SSHA. SWH and Backscatter Quality Flags have been set for one or more records OCS_OFFL_SIR_GOPR_2_20220921T175710_2020921T17574_CDDD OCS_OFFL_SIR_GOPR_2_20220921T175710_2020921T17574_CDDD OCS_OFFL_SIR_GOPR_2_20220921T187570_2020921T17574_CDDD OCS_OFFL_SIR_GOPR_2_20220921T187570_2020921T197574_CDDD OCS_OFFL_SIR_GOPR_2_20220921T187570_2020921T197574_CDDD OCS_OFFL_SIR_GOPR_2_20220921T187570_2020921T197574_CDDD OCS_OFFL_SIR_GOPR_2_20220921T180444_20220921T190555_CDDD OCS_OFFL_SIR_GOPR_2_20220921T180444_20220921T190555_CDDD OCS_OFFL_SIR_GOPR_2_20220921T190754_20220921T191121_CDDD Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OC			
and Backscatter Quality PLRM. COCO Altimeter Range and Backscatter Quality PLRM. CS_OFFL_SIR_GOPR_2_20220921T17937_20220921T179137_C001 CS_OFFL_SIR_GOPR_2_20220921T179710_20220921T179137_C001 CS_OFFL_SIR_GOPR_2_20220921T179710_20220921T179744_C001 CS_OFFL_SIR_GOPR_2_20220921T179710_20220921T179744_C001 CS_OFFL_SIR_GOPR_2_20220921T180404_20220921T180565_C001 CS_OFFL_SIR_GOPR_2_20220921T19048_20220921T180565_C001 CS_OFFL_SIR_GOPR_2_20220921T19048_20220921T180565_C001 CS_OFFL_SIR_GOPR_2_20220921T190404_20220921T180565_C001 CS_OFFL_SIR_GOPR_2_20220921T190404_20220921T180565_C001 CS_OFFL_SIR_GOPR_2_20220921T190404_20220921T19321_C001 CS_OFFL_SIR_GOPR_2_20220921T194107_20220921T19321_C001 CS_OFFL_SIR_GOPR_2_20220921T194205_C001 CS_OFFL_SIR_GOPR_2_20220921T194205_C001 CS_OFFL_SIR_GOPR_2_20220921T194205_C001 CS_OFFL_SIR_GOPR_2_20220921T194205_C001 CS_OFFL_SIR_GOPR_2_20220921T194205_C001 CS_OFFL_SIR_GOPR_2_20220921T194205_C001 CS_OFFL_SIR_GOPR_2_20220921T20359_C001 CS_OFFL_SIR_GOPR_2_20220921T203707_20220921T20359_C001 CS_OFFL_SIR_GOPR_2_20220921T203707_20220921T20347_C001 CS_OFFL_SIR_GOPR_2_20220921T203707_20220921T20347_C001 CS_OFFL_SIR_GOPR_2_20220921T203707_20220921T20347_C001 CS_OFFL_SIR_GOPR_2_20220921T203707_20220921T20347_C001 CS_OFFL_SIR_GOPR_2_20220921T203707_20220921T20347_C001 CS_OFFL_SIR_GOPR_2_20220921T203707_20220921T20347_C001 CS_OFFL_SIR_GOPR_2_20220921T203707_203959_C001 CS_OFFL_SIR_GOPR_2_20220921T203707_203959_C001	CS_OFFL_SIR_GOPR_2_20220921T163040_20220921T163603_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	
CS OFFL SIR GOPR 2 20220921T172937 20220921T173137 CO01 and Backscatter Quality PLRM, OCOG Allimeter Range, SNY-1 and Backscatter Quality PLRM, COG Allimeter Range, SSHA, SWH and Backscatter Quality PLRM, COG Allimeter Range and Backscatter Quality PLRM, COG Backscatter Quality PLRM, COG Allimeter Range and Backscatter Quality PLRM, COG Backscatter Quality PLRM, COG Allimeter Range, SSHA, SWH and Backscatter Quality PLRM, COG Backscatter Quality PLRM, COG Allimeter Range, SSHA, SWH and Backscatter Quality PLRM, COG Allimeter Range and Backscatter Quality PLRM, COG Allimeter Range and Backscatter Quality PLRM, COG Allimeter Range, SSHA, SWH and Backscatter Quality PLRM, COG Allimeter Range and Backscatter Quality Plags and the COG Allimeter Range and Backscatter Quality Plags and the COG Allimeter Range a	CS_OFFL_SIR_GOPR_2_20220921T171437_20220921T171822_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20220921T180404_20220921T180555_C001 CS_OFFL_SIR_GOPR_2_20220921T180404_20220921T180555_C001 CS_OFFL_SIR_GOPR_2_20220921T180404_20220921T181743_C001 CS_OFFL_SIR_GOPR_2_20220921T180948_20220921T191743_C001 CS_OFFL_SIR_GOPR_2_20220921T190754_20220921T191321_C001 CS_OFFL_SIR_GOPR_2_20220921T190754_20220921T191321_C001 CS_OFFL_SIR_GOPR_2_20220921T190754_20220921T191321_C001 CS_OFFL_SIR_GOPR_2_20220921T194107_20220921T193245_C001 CS_OFFL_SIR_GOPR_2_20220921T194107_20220921T195844_C001 CS_OFFL_SIR_GOPR_2_20220921T194820_2020921T195844_C001 CS_OFFL_SIR_GOPR_2_20220921T194820_2020921T195844_C001 CS_OFFL_SIR_GOPR_2_20220921T194820_2020921T195844_C001 CS_OFFL_SIR_GOPR_2_20220921T203335_20220921T203559_C001 CS_OFFL_SIR_GOPR_2_20220921T204707_20220921T205108_C001 CS_OFFL_SIR_GOPR_2_20220921T205108_C001 CS	CS_OFFL_SIR_GOPR_2_20220921T172937_20220921T173137_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	
CS_OFFL_SIR_GOPR_2_20220921T180948_20220921T181743_CO01 CS_OFFL_SIR_GOPR_2_20220921T180948_20220921T181743_CO01 CS_OFFL_SIR_GOPR_2_20220921T190754_20220921T191321_CO01 CS_OFFL_SIR_GOPR_2_20220921T190754_20220921T191321_CO01 CS_OFFL_SIR_GOPR_2_20220921T194107_20220921T194245_CO01 CS_OFFL_SIR_GOPR_2_20220921T194207_20220921T195644 CO01 CS_OFFL_SIR_GOPR_2_20220921T194820_20220921T195644 CO01 CS_OFFL_SIR_GOPR_2_20220921T203335_20220921T203559_CO01 CS_OFFL_SIR_GOPR_2_20220921T203335_20220921T205108_CO01 CS_OFFL_SIR_GOPR_2_20220921T203335_20220921T205108_CO01 CS_OFFL_SIR_GOPR_2_20220921T205108_CO01	CS_OFFL_SIR_GOPR_2_20220921T175710_20220921T175744_C001		
Allimeter Range and Backscatter Quality PLRM, OCOG Allimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220921T194767_20220921T194245_C001 CS_OFFL_SIR_GOPR_2_20220921T194107_20220921T194245_C001 CS_OFFL_SIR_GOPR_2_20220921T194107_20220921T195644_C001 CS_OFFL_SIR_GOPR_2_20220921T194820_20220921T195644_C001 CS_OFFL_SIR_GOPR_2_20220921T194820_20220921T195644_C001 CS_OFFL_SIR_GOPR_2_20220921T203335_20220921T203559_C001 CS_OFFL_SIR_GOPR_2_20220921T203335_20220921T205108_C001 CS_OFFL_SIR_GOPR_2_20220921T204707_20220921T205108_C001 CS_OFFL_SIR_GOPR_2_20220921T204707_20220921T23247_C001 CS_OFFL_SIR_GOPR_2_20220921T205108_C001 CS_OFFL_SIR_GOPR_2_20220921T204707_20220921T205108_C001 CS_OFFL_SIR_GOPR_2_20220921T2199_20220921T213247_C001 CS_OFFL_SIR_GOPR_2_20220921T2199_20220921T213247_C001 CS_OFFL_SIR_GOPR_2_20220921T2199_20220921T213247_C001 CS_OFFL_SIR_GOPR_2_20220921T2199_20220921T213247_C00	CS_OFFL_SIR_GOPR_2_20220921T180404_20220921T180555_C001		, ,
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Plags and the OCOG Altimeter Range and Backscatter Quality Plags and the OCOG Altimeter Range and Backscatter Quality Plags and Backscatte	CS_OFFL_SIR_GOPR_2_20220921T180948_20220921T181743_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	
CS_OFFL_SIR_GOPR_2_20220921T194107_20220921T195644_C001 CS_OFFL_SIR_GOPR_2_20220921T194820_20220921T195644_C001 CS_OFFL_SIR_GOPR_2_20220921T203335_20220921T203559_C001 CS_OFFL_SIR_GOPR_2_20220921T203335_20220921T203559_C001 CS_OFFL_SIR_GOPR_2_20220921T204707_20220921T205108_C001 CS_OFFL_SIR_GOPR_2_20220921T204707_20220921T205108_C001 CS_OFFL_SIR_GOPR_2_20220921T204707_20220921T205108_C001 CS_OFFL_SIR_GOPR_2_20220921T205108_C001 CS_OFFL	CS_OFFL_SIR_GOPR_2_20220921T190754_20220921T191321_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Cocon Altimeter Range and Backscatter Quality PLRM Cocon Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the	CS_OFFL_SIR_GOPR_2_20220921T194107_20220921T194245_C001		
CS_OFFL_SIR_GOPR_2_20220921T203335_20220921T203559_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_GOPR_2_20220921T204707_20220921T205108_C001 CS_OFFL_SIR_GOPR_2_20220921T204707_20220921T205108_C001 CS_OFFL_SIR_GOPR_2_20220921T212919_20220921T213247_C001 CS_OFFL_SIR_GOPR_2_20220921T212919_20220921T213247_C001 and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220921T222518_20220921T223127_C001 CS_OFFL_SIR_GOPR_2_20220921T222518_20220921T223127_C001 And Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range an	CS_OFFL_SIR_GOPR_2_20220921T194820_20220921T195644_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 CS_OFFL_SIR_GOPR_2_20220921T212919_20220921T213247_C001 CS_OFFL_SIR_GOPR_2_20220921T212919_20220921T213247_C001 CS_OFFL_SIR_GOPR_2_20220921T222518_20220921T223127_C001 Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM CS_OFFL_SIR_GOPR_2_20220921T212218_20220921T223127_C001 CS_OFFL_SIR_GOPR_2_20220921T222518_20220921T223127_C001 CS_OFFL_SIR_GOPR_2_20220921T222518_20220921T223127_C001 CS_OFFL_SIR_GOPR_2_20220921T222518_20220921T223127_C001 CS_OFFL_SIR_GOPR_2_20220921T222518_20220921T223127_C001 CS_OFFL_SIR_GOPR_2_20220921T222518_20220921T223127_C001 CS_OFFL_SIR_GOPR_2_20220921T222518_20220921T223127_C001 CS_OFFL_SIR_GOPR_2_20220921T222518_20220921T223127_C001 CS_OFFL_SIR_GOPR_2_20220921T222518_20220921T223127_C001 CS_OFFL_SIR_GOPR_2_20220921T223127_C001 CS_OFFL_SIR_GOPR_2_20220921T223127_C001 CS_OFFL_SIR_GOPR_2_20220921T222518_20220921T223127_C001 CS_OFFL_SIR_GOPR_2_20220921T223127_C001 CS_OFFL_SIR_GOPR_2_20220921T222518_20220921T223127_C001 CS_OFFL_SIR_GOPR_2_20220921T223127_C001 CS_OFFL_SIR_GOPR_2_20220921T223127_C001 CS_OFFL_SIR_GOPR_2_20220921T223127_C001 CS_OFFL_SIR_GOPR_2_20220921T223127_C001	CS_OFFL_SIR_GOPR_2_20220921T203335_20220921T203559_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20220921T212919_20220921T213247_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range and Backscatter Quality PLRM ocog and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags an	CS_OFFL_SIR_GOPR_2_20220921T204707_20220921T205108_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	
CS_OFFL_SIR_GOPR_2_20220921T222518_20220921T223127_C001 and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality Flags Altimeter Range and Backscatter Quality Set for one or more records	CS_OFFL_SIR_GOPR_2_20220921T212919_20220921T213247_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_GOPR_2_20220921T222518_20220921T223127_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been

L2 Quality Flags (1 Hz & 1 Hz PLRM)

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

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

Number of products with errors: 199

5.8 L2 Ocean Retracking Quality Check

L2 Retracking Flags (20 Hz)

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

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

Number of products with errors: 63

L2 Retracking Flags (20 Hz PLRM)

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

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

Number of products with errors: 149

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: 0

6.2 P2P Product Header Analysis

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

Number of products with errors:

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

6.4 P2P Auxiliary Correction Error Check

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

0

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220220920T231101_20220921T000038_C002	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_220220921T000038_20220921T005015_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_220220921T005015_20220921T013952_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_220220921T013952_20220921T022930_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_220220921T022930_20220921T031907_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_220220921T031907_20220921T040845_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_220220921T040845_20220921T045822_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_220220921T045822_20220921T054800_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_220220921T054800_20220921T063737_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_220220921T063737_20220921T072714_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_220220921T072714_20220921T081651_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_220220921T081651_20220921T090629_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_220220921T090629_20220921T095606_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_220220921T095606_20220921T104544_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_220220921T104544_20220921T113521_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_220220921T113521_20220921T122458_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_220220921T131435_20220921T140413_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_220220921T140413_20220921T145350_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_220220921T145350_20220921T154328_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_220220921T154328_20220921T163305_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_220220921T163305_20220921T172242_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	(solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height
CS_OFFL_SIR_GOP_220220921T172242_20220921T181219_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_220220921T181219_20220921T190157_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_220220921T190157_20220921T195134_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_220220921T195134_20220921T204112_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_220220921T204112_20220921T213049_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_220220921T213049_20220921T222026_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_220220921T222026_20220921T231003_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_220220921T231003_20220921T235941_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.

2

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220220921T005015_20220921T013952_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOP_220220921T131435_20220921T140413_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

6.6 P2P Measurement Quality Flag Check

P2P Quality Flags (20 Hz)

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

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

Number of products with errors: 29

P2P Quality Flags (20 Hz PLRM)

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

Number of products with errors: 28

P2P Quality Flags (1 Hz & 1 Hz PLRM)

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

Number of products with errors: 29

6.8 P2P Ocean Retracking Quality Check

P2P Retracking Flags (20 Hz)

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

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

Number of products with errors: 25

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.

29

Number of products with errors: