

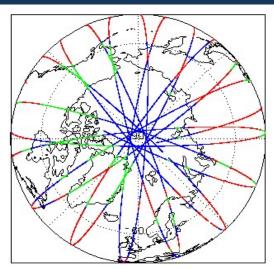
1. Overview

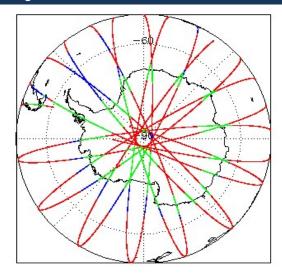
Report Production:	25-Mar-2022	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data	

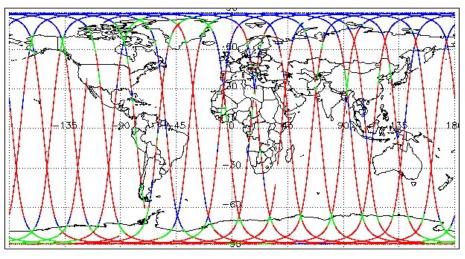
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary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

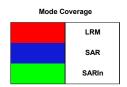
Mission / Instru	Mission / Instrument News	
23-Feb-2022	None	
24-Feb-2022	None	
25-Feb-2022	Nothing planned	

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use:	SIRAL - A
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4. GOP Level 1B Data Quality Check

4.1 L1B Product Format Check

4.2 L1B Product Header Analysis

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

L1B Processing Quality HR: The 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.

mber of products with errors:

4.4 L1B Auxiliary Correction Error Check

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

0

Number of products with errors:

4.5 L1B Measurement Confidence Data Check

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20220224T210845_20220224T212117_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

4.6 L1B Waveform Group Data Check

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

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

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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20220224T055850_20220224T060718_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20220224T213909_20220224T215505_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220224T005316_20220224T005826_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220224T072428_20220224T072707_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220224T090506_20220224T090609_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220224T114619_20220224T115003_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220224T153505_20220224T153920_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220224T040222_20220224T040400_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220224T040534_20220224T041539_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220224T100130_20220224T100723_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220224T153920_20220224T154700_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220224T233332_20220224T233511_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).

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:

There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) SeptSIR_GOPN_2_20220224T086026_20220224T080009_C001 Mean Sea Surface (1), 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 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) for one or more records 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 (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography height (solution 1) for one or more records There is an error with 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 Ther	Product	Test Failed	Description
Comparison	CS_OFFL_SIR_GOPM_2_20220224T141142_20220224T141229_C001	Mean Dynamic Topography (1)	
### Man 350 different (1, Man Spermits Topic Agents Topic Agen	CS_OFFL_SIR_GOPN_2_20220224T005316_20220224T005826_C001	Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period	Topography height (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT and solution 2: FES) and the Non-Equilibrium Long Period Ocean
60 GPR_SIR_GOPN_2_020202410969_202024109060_001 Man Dispute (Section 1) Agent (Sect	CS_OFFL_SIR_GOPN_2_20220224T013639_20220224T013757_C001	Mean Dynamic Topography (1)	
Topspepty (1) Topspepty (2) Topspepty (3) Topspepty (2) Topspepty (2) Topspepty (2) Topspepty (2) Topspepty (3) Topspepty (2) Topspepty (3) Topspepty (4) Topspe	CS_OFFL_SIR_GOPN_2_20220224T031809_20220224T032004_C001	Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period	Topography height (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT and solution 2: FES) and the Non-Equilibrium Long Period Ocean
See Comp. 2, 202222419422 20222419422 202224195552 20222419552 20222419552 20222419552 202224195552 2022224195552 20222419552 20222419552 20222419552 20222419552 20222419552 202222419552 20222419552 202222419552 2	CS_OFFL_SIR_GOPN_2_20220224T045551_20220224T045914_C001		
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Topography (1) Topography (2) Topography (2)	CS_OFFL_SIR_GOPN_2_20220224T055437_20220224T055810_C001	Mean Dynamic Topography (1)	
tear Dyramic Topography (1) CS_OFFL_SRR_GOPFL_2.20220224T09228_2020224T09238_C001 Also no Surface (1), No Su	CS_OFFL_SIR_GOPN_2_20220224T063452_20220224T063812_C001		
CS_OFFL_SIR_GOPN_2_20202024T08201_20202024T08038_C001 The residual concentral Cocan Tibe (Cocan Tibe	CS_OFFL_SIR_GOPN_2_20220224T064331_20220224T064454_C001	Mean Dynamic Topography (1)	
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Mean Sea Surface (1), Mean Dynamic Topography (1) CS_OFFL_SIR_GOPN_2_20220224T14619_20220224T15033_C001 Mean Dynamic Topography (1) CS_OFFL_SIR_GOPN_2_20220224T14619_20220224T15033_C001 Mean Dynamic Topography (1)	CS_OFFL_SIR_GOPN_2_20220224T090506_20220224T090609_C001		
Topography (1) Total Geocentric Ocean Tide (PST), Non- Equilibration (1) For one or more records CS_OFFL_SIR_GOPN_2_20220224T14619_20220224T12937_C001 Mean Dynamic Topography (1), Total Geocentric Ocean Tide (PST), Non- Equilibration (1) For one or more records CS_OFFL_SIR_GOPN_2_20220224T12864_20220224T122937_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_20220224T12930_20220224T122937_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_20220224T13986_20220224T132937_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_20220224T139643_20220224T13980_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 Mean Dynamic Topography (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_20220224T153664_20220224T153920_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 Mean Dynamic Topography (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_20220224T16386_20220224T163920_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_20220224T180751_20220224T180916_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_20220224T196332_20220224T181986_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_20220224T196332_20220224T189646_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_20220224T19633	CS_OFFL_SIR_GOPN_2_20220224T095025_20220224T095202_C001	Mean Dynamic Topography (1)	
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CS_OFFL_SIR_GOPN_2_20220224T204434_20220224T212882_C001 Topography (1), Total Geocentric Ocean Tide GOT) Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) 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 Total Geocentric Ocean Tide height (solution 1) for one or more records There is an error with the Total Geocentric Ocean Tide height (solution 1) for one or more records There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic There is an error with the MSS height (solution 1) and the Man Dynamic There is an error with the MSS height (solution 1) and the M	CS_OFFL_SIR_GOPN_2_20220224T195332_20220224T195845_C001		
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Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_20220224T222641_20220224T222924_C001 Total Geocentric Ocean Tide (GOT) Total Geocentric Ocean Tide (GOT) Total Geocentric Ocean Tide (GOT) Topography height (solution 1) for one or more records There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records CS_OFFL_SIR_GOPN_2_20220224T230311_20220224T230917_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic	CS_OFFL_SIR_GOPN_2_20220224T212810_20220224T213044_C001		
CS_OFFL_SIR_GOPN_2_202202241222941_202202241222924_0001 Total Geocentine Ocean True (GOT) GOT) for one or more records CS_OFFL_SIR_GOPN_2_202202241222041_20222241222924_0001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic	CS_OFFL_SIR_GOPN_2_20220224T222321_20220224T222437_C001		
	CS_OFFL_SIR_GOPN_2_20220224T222641_20220224T222924_C001	Total Geocentric Ocean Tide (GOT)	
	CS_OFFL_SIR_GOPN_2_20220224T230311_20220224T230917_C001		

CS_OFFL_SIR_GOPR_2_20220224T004732_20220224T005316_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_20220224T022831_20220224T023336_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_20220224T035651_20220224T035716_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_20220224T040222_20220224T040400_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_20220224T040534_20220224T041539_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_20220224T054600_20220224T055436_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_20220224T072707_20220224T073447_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the GPD Wet Tropospheric correction, the MSS height (solution 1) and tidal corrections for one or more records
CS_OFFL_SIR_GOPR_2_20220224T090610_20220224T091325_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_20220224T103656_20220224T104004_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_GOPR_2_20220224T104525_20220224T105209_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_20220224T122358_20220224T122920_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_20220224T140221_20220224T140955_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_20220224T140956_20220224T141142_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_20220224T153920_20220224T154700_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_20220224T171840_20220224T172521_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_20220224T172521_20220224T172830_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_20220224T185758_20220224T190421_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_20220224T190421_20220224T190631_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_20220224T203845_20220224T204317_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_20220224T204317_20220224T204434_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_20220224T221650_20220224T222151_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_20220224T222151_20220224T222321_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_20220224T235826_20220225T000249_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

5.5 L2 Measurement Confidence Data Check

CryoSat L2 data includes a measurement confidence flag for each 20 Hz measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20220224T210845_20220224T212117_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.

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20220223T235903_20220224T000719_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_20220224T000919_20220224T002601_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_20220224T010818_20220224T013529_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_20220224T014039_20220224T014548_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_20220224T014830_20220224T021353_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_20220224T024629_20220224T031411_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_20220224T032005_20220224T032607_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_20220224T032737_20220224T034945_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_20220224T035624_20220224T035630_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_20220224T040400_20220224T040534_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_20220224T041912_20220224T045321_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_20220224T045914_20220224T050439_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_20220224T050611_20220224T051231_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_20220224T051521_20220224T051850_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_20220224T054255_20220224T054600_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_20220224T055850_20220224T060718_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_20220224T061003_20220224T063256_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_20220224T063813_20220224T063918_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_20220224T063923_20220224T064331_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_20220224T064458_20220224T070505_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_20220224T070831_20220224T071305_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_20220224T073712_20220224T081107_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_20220224T081837_20220224T082210_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_20220224T082421_20220224T082631_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_20220224T082917_20220224T090045_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_20220224T090236_20220224T090506_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_20220224T092045_20220224T092759_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_20220224T093406_20220224T095025_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_20220224T100724_20220224T102056_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_20220224T102310_20220224T102320_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_20220224T102443_20220224T103433_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_20220224T110239_20220224T111301_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_20220224T111441_20220224T112933_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_20220224T113128_20220224T113628_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_20220224T114502_20220224T114619_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_20220224T115003_20220224T115754_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_20220224T120200_20220224T120649_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_20220224T123729_20220224T123754_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_20220224T123847_20220224T123857_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_20220224T124540_20220224T130846_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_20220224T131201_20220224T131546_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_20220224T131608_20220224T131855_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_20220224T132152_20220224T134747_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_20220224T141142_20220224T141229_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_20220224T142233_20220224T144813_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_20220224T144943_20220224T145501_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_20220224T150119_20220224T153504_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_20220224T155806_20220224T155842_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_20220224T155935_20220224T160558_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_20220224T160820_20220224T161731_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_20220224T162135_20220224T162804_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_20220224T162945_20220224T163738_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_20220224T164044_20220224T171439_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_20220224T172830_20220224T172915_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_20220224T175023_20220224T175220_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_20220224T175504_20220224T180750_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_20220224T180917_20220224T181429_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_20220224T181950_20220224T184241_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_20220224T184526_20220224T185458_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_20220224T192528_20220224T193137_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_20220224T193313_20220224T194654_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_20220224T195102_20220224T195332_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_20220224T195939_20220224T203122_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_20220224T204918_20220224T210841_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_20220224T210845_20220224T212117_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_20220224T213434_20220224T213744_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_20220224T213909_20220224T215505_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_20220224T215708_20220224T220731_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_20220224T222437_20220224T222641_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_20220224T222930_20220224T223118_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_20220224T223401_20220224T224548_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_20220224T230212_20220224T230310_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_20220224T230917_20220224T231201_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_20220224T231216_20220224T231645_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_20220224T231839_20220224T233332_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20220224T081131_20220224T081329_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20220224T090059_20220224T090203_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
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CS_OFFL_SIR_GOPN_2_20220224T105956_20220224T110239_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20220224T230311_20220224T230917_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_GOPR_2_20220224T004615_20220224T004732_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPR_2_20220224T053916_20220224T054150_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_GOPR_2_20220224T063256_20220224T063452_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPR_2_20220224T081107_20220224T081130_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPR_2_20220224T091600_20220224T091602_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_GOPR_2_20220224T091622_20220224T092045_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_GOPR_2_20220224T154736_20220224T154947_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPR_2_20220224T203703_20220224T203827_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.

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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20220224T005316_20220224T005826_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_20220224T021354_20220224T021451_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_20220224T022811_20220224T022831_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_20220224T041539_20220224T041911_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_20220224T050439_20220224T050556_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_20220224T051850_20220224T052013_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_20220224T055437_20220224T055810_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_20220224T064331_20220224T064454_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_20220224T070506_20220224T070831_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_20220224T072428_20220224T072707_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_20220224T082210_20220224T082338_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_20220224T095927_20220224T100130_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_20220224T104309_20220224T104413_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 OPPL 3R COPN 2 2020224T1460 202023T1400 COS ODG Altered Rango Coulty FLINI, Top Cod Sacce and Basesatter Caulty Rango from core review or revi	CS_OFFL_SIR_GOPN_2_20220224T105956_20220224T110239_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
Column	CS_OFFL_SIR_GOPN_2_20220224T114619_20220224T115003_C001		
CB_OFFL_SR_GOPN_2_2020204T19054_2020224T19025_COCI COOR_INSER_GOPN_2_2020204T19054_2020224T19090_COCI COOR_INSER_GOPN_2_2020204T19055_2020224T19090_COCI COCI Alternative Range Dauby FLEM. The DOCO Range and Bediscuster Quality Flags have been set for one or now necess. CC_OFFL_SR_GOPN_2_2020204T19056_2020224T19090_COCI CC_OFFL_SR_GOPN_2_2020204T19056_2020224T19090_COCI CC_OFFL_SR_GOPN_2_2020204T19056_2020224T19056_COCI CC_OFFL_SR_GOPN_2_2020204T19056_2020224T19056_COCI CC_OFFL_SR_GOPN_2_2020204T19056_2020224T19056_COCI CC_OFFL_SR_GOPN_2_2020204T19056_2020224T19056_COCI CC_OFFL_SR_GOPN_2_2020204T19056_2020224T19056_COCI CC_OFFL_SR_GOPN_2_2020204T19056_2020224T19056_COCI CC_OFFL_SR_GOPN_2_2020204T19056_2020224T19056_COCI CC_OFFL_SR_GOPN_2_2020204T19056_COCI CC_OF	CS_OFFL_SIR_GOPN_2_20220224T121854_20220224T122357_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_0FIL_SR_GOPI_2_202024T19585_222024T19580_C081 CS_0FIL_SR_GOPI_2_202024T19585_222024T19580_C081 CS_0FIL_SR_GOPI_2_202024T19585_222024T19580_C081 CS_0FIL_SR_GOPI_2_2020224T1958_202024T1958_C081 CS_0FIL_SR_GOPI_2_2020224T1958_202024T1958_C081 CS_0FIL_SR_GOPI_2_2020224T1958_202024T1958_C081 CS_0FIL_SR_GOPI_2_2020224T1958_202024T1958_C081 CS_0FIL_SR_GOPI_2_2020224T1958_202024T1958_C081 CS_0FIL_SR_GOPI_2_2020224T1958_202024T1958_C081 CS_0FIL_SR_GOPI_2_2020224T1958_202024T1958_C081 CS_0FIL_SR_GOPI_2_2020224T1958_202024T1958_C081 CS_0FIL_SR_GOPI_2_2020224T1958_2020224T1958_C081 CS_0FIL_SR_GOPI_2_2020224T1958_202024T1958_C081 CS_0FIL_SR_GOPI_2_2020224T1958_202024T1958_C081 CS_0FIL_SR_GOPI_2_2020224T1958_202024T1958_C081 CS_0FIL_SR_GOPI_2_2020224T1958_202024T1958_C081 CS_0FIL_SR_GOPI_2_2020224T1958_202024T1958_C081 CS_0FIL_SR_GOPI_2_2020224T1958_202024T1958_C081 CS_0FIL_SR_GOPI_2_2020224T1958_2020224T1958_C081 CS_0FIL_SR_GOPI_2_2020224T1958_202024T1958_C081 CS_0FIL_SR_GOPI_2_2020224T1958_202024T1958_C081 CS_0FIL_SR_GOPI_2_2020224T1958_202024T1958_C081 CS_0FIL_SR_GOPI_2_2020224T1958_202024T1958_C081 CS_0FIL_SR_GOPI_2_2020224T1958_202024T1958_C081 CS_0FIL_SR_GOPI_2_2020224T1958_202024T1958_C081 CS_0FIL_SR_GOPI_2_2020224T1958_202024T1958_C081 CS_0FIL_SR_GOPI_2_2020224T1958_202024T1958_C081 CS_0FIL_SR_GOPI_2_2020224T1958_202024T1958_C081 CS_0FIL_SR_GOPI_2_20202224T1958_202024T1958_C081 CS_0FIL_SR_GOPI_2_2	CS_OFFL_SIR_GOPN_2_20220224T135044_20220224T135256_C001	OCOG Altimeter Range Quality PLRM,	
SOUTH SER COMPL_2020224117409 2020224171809 (2001 COS CRES SER COMPL_2020224171809 2020224171809 (2001 COS CRES SER COMPL_20202224171809 (2001 COS CRES SER	CS_OFFL_SIR_GOPN_2_20220224T135643_20220224T140221_C001		
### Displacement Country Partial Cooks ### Displacement Country Partial Cooks ### Displacement Country ### Displacement	CS_OFFL_SIR_GOPN_2_20220224T141837_20220224T142004_C001		
OCO Altimeter Range Country FLRM. CB_OFFL_SIR_GOPN_2_92222221178239_2022224119231_00220224118731_C011 CB_OFFL_SIR_GOPN_2_922222221192351_00220224118731_C011 CB_OFFL_SIR_GOPN_2_922222221192351_00220224118731_C011 CB_OFFL_SIR_GOPN_2_9222222241192352_002202241182380_0011 CB_OFFL_SIR_GOPN_2_9222222241192352_002202241192364_C0111 CB_OFFL_SIR_GOPN_2_922222241192351_002202241192360_0011 CB_OFFL_SIR_GOPN_2_922222241192351_002202241192369_0011 CB_OFFL_SIR_GOPN_2_922222241192351_002202241192369_0011 CB_OFFL_SIR_GOPN_2_9222222241192331_002202241192390_0011 CB_OFFL_SIR_GOPN_2_9222222241192331_002202241192390_0011 CB_OFFL_SIR_GOPN_2_9222222241192331_002202241192390_0011 CB_OFFL_SIR_GOPN_2_9222222241192331_002202241192390_0011 CB_OFFL_SIR_GOPN_2_9222222241192331_002202241192390_0011 CB_OFFL_SIR_GOPN_2_9222222241192331_002202241192090_0011 CB_OFFL_SIR_GOPN_2_9222222241193311_00220224119390_0011 CB_OFFL_SIR_GOPN_2_9222222241193311_00220224119390_0011 CB_OFFL_SIR_GOPN_2_9222222241193311_00220224119390_0011 CB_OFFL_SIR_GOPN_2_9222222241193311_00220224119390_0011 CB_OFFL_SIR_GOPN_2_9222222241193331_00220224119390_0011 CB_OFFL_SIR_GOPN_2_92222222241193331_00220224119390_0011 CB_OFFL_SIR_GOPN_2_92222222241193331_00220224119390_0011 CB_OFFL_SIR_GOPN_2_92222222241193331_00220224119390_0011 CB_OFFL_SIR_GOPN_2_922222222341193331_00220224119390_0011 CB_OFFL_SIR_GOPN_2_92222222341193331_002202241193	CS_OFFL_SIR_GOPN_2_20220224T153505_20220224T153920_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
COCO Galactacanter (Calatry) CS OFFL, Sift, GOPN, 2 20220224T181429 20220224T181429 COCO GARDER Flags and Backscatter Quality Flags have been set for one or more records. CS OFFL, Sift, GOPN, 2 20220224T192351 20220224T192352 COCO GARDER Flags and Backscatter Quality Flags have been set for one or more records. CS OFFL, Sift, GOPN, 2 20220224T192351 20220224T192352 COCO GARDER Flags and Backscatter Quality Flags have been set for one or more records. CS OFFL, Sift, GOPN, 2 20220224T192351 20220224T192352 COCO GARDER Flags and Backscatter Quality Flags have been set for one or more records. CS OFFL, Sift, GOPN, 2 20220224T193532 20220224T192526 COCI COCO Galactacanter Guality Flags have been set for one or more records. CS OFFL, Sift, GOPN, 2 20220224T194334 20220224T19492 COCI COCO Galactacanter Guality Flags have been set for one or more records. CS OFFL, Sift, GOPN, 2 20220224T194344 20220224T19499 COCI COCO Galactacanter Guality Flags have been set for one or more records. CS OFFL, Sift, GOPN, 2 20220224T193744 20220224T19499 COCI COCO Galactacanter Guality Flags have been set for one or more records. CS OFFL, Sift, GOPN, 2 20220224T193744 20220224T19499 COCI COCO Galactacanter Guality Flags have been set for one or more records. CS OFFL, Sift, GOPN, 2 20220224T129731 20220224T19407 COCI COC Galactacanter Guality Flags have been set for one or more records. CS OFFL, Sift, GOPN, 2 20220224T109472 2022024T109470 COCI COC Galactacanter Guality Flags have been set for one or more records. CS OFFL, Sift, GOPN, 2 20220224T109472 2022024T109475 COCI COC Galactacanter Guality Flags have been set for one or more records. CS OFFL, Sift, GOPN, 2 20220224T109472 2022024T109479 COCI COC Galactacanter Guality Flags have been set for one or more records. CS OFFL, Sift, GOPN, 2 20220224T109490 COCI COC Galactacanter Guality Flags have been set for one or more records. CS OFFL, Sift, GOPN, 2 20220224T109490 COCI COCI CANACTACANTER Repage and Backscatter Guality Flags have been set for one or more records. CS	CS_OFFL_SIR_GOPN_2_20220224T171638_20220224T171839_C001		
Sq. OFFL_SIR_GOPPL_2.02202241192351_8220224119256_0001 OGO Allimeter Range dilabascate Coultily Flags have been set for one or once records. OGO Allimeter Range Glassity PLRM. COOG Range and Backscatter Quality Flags have been set for one or once records. OGO Allimeter Range Glassity PLRM. COOG Range and Backscatter Quality Flags have been set for one or once records. OGO Allimeter Range Glassity PLRM. COOG Range and Backscatter Quality Flags have been set for one or once records. OGO Allimeter Range Glassity PLRM. COOG Range and Backscatter Quality Flags have been set for one or once records. OGO Allimeter Range Glassity PLRM. COOG Range and Backscatter Quality Flags have been set for one or once records. OGO Allimeter Range Glassity PLRM. COOG Range and Backscatter Quality Flags have been set for one or once records. OGO Allimeter Range Glassity PLRM. COOG Range and Backscatter Quality Flags have been set for one or once records. OGO Allimeter Range Glassity PLRM. COOG Range and Backscatter Quality Flags have been set for one or once records. OGO Allimeter Range Glassity PLRM. COOG Range and Backscatter Quality Flags have been set for one or once records. OGO Allimeter Range Glassity PLRM. COOG Range and Backscatter Quality Flags have been set for one or once records. OGO Allimeter Range Glassity PLRM. COOG Range and Backscatter Quality Flags have been set for one or once records. OGO Allimeter Range Glassity PLRM. COOG Range and Backscatter Quality Flags have been set for one or once records. OGO Allimeter Range Glassity PLRM. COOG Range and Backscatter Quality Flags have been set for one or once records. OGO Allimeter Range Glassity PLRM. COOG Allimeter Range Glassity PLRM. COOG Range and Backscatter Quality Flags have been set for one or once records. OGO Allimeter Range Glassity PLRM. COOG Allimeter Range Glassity PLRM. COOG Allimeter Range Glassity PLRM. COOG Allimeter Range and Backscatter Quality Flags have been set for one or once records. OGO Allimeter Range Glassity PLRM. COOG Allim	CS_OFFL_SIR_GOPN_2_20220224T174950_20220224T175023_C001	OCOG Backscatter Quality	
OCCO Baskscatter Quality Figs. CS_OFFL_SIR_GOPN_2_20220224T195332_20220224T19549_C001 OCCO Baskscatter Quality FLRM. OCCO Allimeter Range and Baskscatter Quality Flags have been set for one or more records. OCCO Allimeter Range and Baskscatter Quality Flags have been set for one or more records. OCCO Allimeter Range and Baskscatter Quality Flags have been set for one or more records. OCCO Allimeter Range and Baskscatter Quality Flags have been set for one or more records. OCCO Allimeter Range and Baskscatter Quality Flags have been set for one or more records. OCCO Allimeter Range and Baskscatter Quality Flags have been set for one or more records. OCCO Allimeter Range and Baskscatter Quality Flags have been set for one or more records. OCCO Allimeter Range and Baskscatter Quality Flags have been set for one or more records. OCCO Allimeter Range and Baskscatter Quality Flags have been set for one or more records. OCCO Allimeter Range and Baskscatter Quality Flags have been set for one or more records. OCCO Allimeter Range and Baskscatter Quality Flags have been set for one or more records. OCCO Allimeter Range and Baskscatter Quality Flags have been set for one or more records. OCCO Allimeter Range and Baskscatter Quality Flags have been set for one or more records. OCCO Allimeter Range and Baskscatter Quality Flags have been set for one or more records. OC	CS_OFFL_SIR_GOPN_2_20220224T181429_20220224T181731_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCOG Backscatter Quality CS_OFFL_SIR_GOPN_2_20220224T20434_20220224T204828_OO01 CS_OFFL_SIR_GOPN_2_20220224T204434_20220224T204828_OO01 CS_OFFL_SIR_GOPN_2_20220224T20774_20220224T20492_OO01 CS_OFFL_SIR_GOPN_2_20220224T20774_20220224T20402_OO01 CS_OFFL_SIR_GOPN_2_20220224T20731_20220224T2020_OO01 CS_OFFL_SIR_GOPN_2_20220224T20731_20220224T20001 CS_OFFL_SIR_GOPN_2_20220224T200311_20220224T250917_OO01 CS_OFFL_SIR_GOPN_2_20220224T200311_20220224T250917_OO01 CS_OFFL_SIR_GOPN_2_20220224T000132_OO001 CS_OFFL_SIR_GOPN_2_20220224T000130_20220224T000136_OO001 CS_OFFL_SIR_GOPR_2_20220224T000530_20220224T0010122_OO01 CS_OFFL_SIR_GOPR_2_20220224T000530_20220224T010122_OO01 CS_OFFL_SIR_GOPR_2_20220224T005530_20220224T010122_OO01 CS_OFFL_SIR_GOPR_2_20220224T005530_20220224T010188_OO01 CS_OFFL_SIR_GOPR_2_20220224T005530_20220224T010188_OO01 CS_OFFL_SIR_GOPR_2_20220224T005530_202202224T010188_OO01 CS_OFFL_SIR_GOPR_2_20220224T005530_20220224T010188_OO01 CS_OFFL_SIR_GOPR_2_20220224T005530_20220224T010188_OO01 CS_OFFL_SIR_GOPR_2_20220224T005530_20220224T010188_OO01 CS_OFFL_SIR_GOPR_2_20220224T005530_20220224T010188_OO01 CS_OFFL_SIR_GOPR_2_20220224T005530_20220224T010188_OO01 CS_OFFL_SIR_GOPR_2_20220224T005530_20220224T010188_OO01 CS_OFFL_SIR_GOPR_2_20220224T005530_20220224T010188_OO01 CS_OFFL_SIR_GOPR_2_20220224T00530_20220224T010188_OO01 CS_OFFL_SIR_GOPR_2_20220224T005400_20220224T015530_OO01 CS_OFFL_SIR_GOPR_2_20220224T065400_20220224T055430_OO01 CS_OFFL_SIR_GOPR_2_20220224T06600_20220224T055430_OO01 CS_OFF	CS_OFFL_SIR_GOPN_2_20220224T192351_20220224T192528_C001		
CS_OFFL_SIR_GOPN_2_20220224T23744_20220224T23909_C001 CS_OFFL_SIR_GOPN_2_20220224T23744_20220224T20901_C001 CS_OFFL_SIR_GOPN_2_20220224T20731_20220224T200210001 CS_OFFL_SIR_GOPN_2_20220224T203311_20220224T20901_C001 CS_OFFL_SIR_GOPN_2_20220224T203311_20220224T20901_C001 CS_OFFL_SIR_GOPN_2_20220224T003312_20220224T003316_C001 CS_OFFL_SIR_GOPN_2_20220224T004732_20220224T003316_C001 CS_OFFL_SIR_GOPN_2_20220224T00530_20220224T005316_C001 CS_OFFL_SIR_GOPN_2_20220224T00530_20220224T00536_C001 CS_OFFL_SIR_GOPN_2_20220224T00530_20220224T00536_C001 CS_OFFL_SIR_GOPN_2_20220224T00530_20220224T00536_C001 CS_OFFL_SIR_GOPN_2_20220224T00530_20220224T00536_C001 CS_OFFL_SIR_GOPN_2_20220224T00530_20220224T00536_C001 CS_OFFL_SIR_GOPN_2_20220224T00530_20220224T00536_C001 CS_OFFL_SIR_GOPN_2_20220224T00530_20220224T00536_C001 CS_OFFL_SIR_GOPN_2_20220224T00530_20220224T00536_C001 CS_OFFL_SIR_GOPN_2_20220224T00530_20220224T00536_C001 CS_OFFL_SIR_GOPN_2_20220224T00536_20202224T00536_C001 CS_OFFL_SIR_GOPN_2_20220224T00536_C001 CS_OFFL_SIR_GOPN_2_20220224T006010_20220224T03447_C001 CS_OFFL_SIR_GOPN_2_20220224T006010_20220224T00345_C001 CS_OFFL_SIR_GOPN_2_20220224T006010_20220224T00345_C001 CS_OFFL_SIR_GOPN_2_20220224T006010_20220224T00345_C001 CCS_OFFL_SIR_GOPN_2_20220224T006010_20220224T006045_C001 CCS_OFFL_SIR_GOPN_2_20220224T006010_20220224T006045_C001 CCS_OFFL_SIR_GOPN_2_20220224T006010_20220224T006045_C001 CCS_OFFL_SIR_GOPN_2_20220224T006010_20220224T006045_C001 CCS_OFFL_SIR_GOPN_2_20220224T006010_20220224T006045_C001 CCS_OFFL_SIR_GOPN_2_20220224T006010_20220224T006045_C001 CCS_OFFL_SIR_GOPN_2_20220224T006010_20220224T006045_C001 CCS_OFFL_SIR_GOPN_2_	CS_OFFL_SIR_GOPN_2_20220224T195332_20220224T195845_C001		
OCG Backscatter Quality CS_OFFL_SIR_GOPN_2_20220224T20731_20220224T20091_C001 CS_OFFL_SIR_GOPN_2_20220224T20731_20220224T20991_C001 CS_OFFL_SIR_GOPN_2_20220224T203311_20220224T230917_C001 CS_OFFL_SIR_GOPN_2_20220224T04732_20220224T05516_C001 CS_OFFL_SIR_GOPN_2_20220224T04732_20220224T05516_C001 CS_OFFL_SIR_GOPN_2_20220224T04732_20220224T010112_C001 CS_OFFL_SIR_GOPN_2_20220224T010719_20220224T010818_C001 CS_OFFL_SIR_GOPR_2_20220224T035630_20220224T010818_C001 CS_OFFL_SIR_GOPR_2_20220224T0455430_20220224T055436_C001 CS_OFFL_SIR_GOPR_2_20220224T045543_C0020224T055436_C001 CS_OFFL_SIR_GOPR_2_20220224T045600_20220224T055436_C001 CS_OFFL_SIR_GOPR_2_20220224T046540_20220224T055436_C001 CS_OFFL_SIR_GOPR_2_20220224T046500_20220224T055436_C001 CS_OFFL_SIR_GOPR_2_20220224T046600_20220224T055436_C001 CS_OFFL_SIR_GOPR_2_20220224T046600_20220224T055436_C001 CS_OFFL_SIR_GOPR_2_20220224T046600_20220224T055436_C001 CS_OFFL_SIR_GOPR_2_20220224T046600_20220224T055436_C001 CS_OFFL_SIR_GOPR_2_20220224T096010_20220224T095456_C001 CS_OFFL_SIR_GOPR_2_20220224T096010_20220224T09545_C001 CS_OFFL_SIR_GOPR_2_20220224T096010_20220224T09545_C001 CS_OFFL_SIR_GOPR_2_20220224T096010_20220224T09545_C001 CS_OFFL_SIR_GOPR_2_20220224T096010_20220224T09545_C001 CS_OFFL_SIR_GOPR_2_20220224T096010_20220224T09545_C001 CS_OFFL_SIR_GOPR_2_20220224T096010_20220224T09545_C001 CS_OFFL_SIR_GOPR_2_20220224T096010_20220224T09545_C001 CS_OFFL_SIR_GOPR_2_20220224T096010_202202	CS_OFFL_SIR_GOPN_2_20220224T204434_20220224T204828_C001		
and Backscatter Quality PLRM, COCG Allmeter Range and Backscatter Quality PLRM COCG Allmeter Range and Backscatter Quality PLRM CS_OFFL_SIR_GOPN_2_20220224T230311_20220224T230917_C001 CS_OFFL_SIR_GOPN_2_20220224T004732_20220224T005316_C001 CS_OFFL_SIR_GOPN_2_20220224T004732_20220224T005316_C001 CS_OFFL_SIR_GOPN_2_20220224T004732_20220224T005316_C001 CS_OFFL_SIR_GOPR_2_20220224T00530_20220224T00122_C001 CS_OFFL_SIR_GOPR_2_20220224T00530_20220224T010122_C001 CS_OFFL_SIR_GOPR_2_20220224T00530_2020224T010122_C001 CS_OFFL_SIR_GOPR_2_20220224T00530_2020224T010122_C001 CS_OFFL_SIR_GOPR_2_20220224T00530_2020224T010122_C001 CS_OFFL_SIR_GOPR_2_20220224T00530_2020224T010122_C001 CS_OFFL_SIR_GOPR_2_20220224T00530_2020224T010122_C001 CS_OFFL_SIR_GOPR_2_20220224T00530_2020224T010130_C001 CS_OFFL_SIR_GOPR_2_20220224T00530_2020224T010130_C001 CS_OFFL_SIR_GOPR_2_20220224T00530_2020224T010130_C001 CS_OFFL_SIR_GOPR_2_20220224T00530_2020224T010530_C001 CS_OFFL_SIR_GOPR_2_20220224T00530_2020224T010530_C001 CS_OFFL_SIR_GOPR_2_20220224T00530_2020224T010530_C001 CS_OFFL_SIR_GOPR_2_20220224T00530_2020224T010530_C001 CS_OFFL_SIR_GOPR_2_20220224T00530_2020224T010530_C001 CS_OFFL_SIR_GOPR_2_20220224T00530_2020224T010530_C001 CS_OFFL_SIR_GOPR_2_20220224T005400_2020224T0105430_C001 CS_OFFL_SIR_GOPR_2_20220224T005400_2020224T0105430_C001 CS_OFFL_SIR_GOPR_2_20220224T005400_2020224T005430_C001 CS_OFFL_SIR_GOPR_2_20220224T006010_20220224T001325_C001 CS_OFFL_SIR_GOPR_2_20220224T006010_20220224T001325_C001 CS_OFFL_SIR_GOPR_2_20220224T006010_20220224T001325_C001 CS_OFFL_SIR_GOPR_2_20220224T006010_20220224T001325_C001 CS_OFFL_SIR_GOPR_2_20220224T006010_20220224T001325_C001 CS_OFFL_SIR_GOPR_2_20220224T006010_2020224T001325_C001 CS_OFFL_SIR_GOPR_2_20220224T006010_2020224T001325_C001 CS_OFFL_SIR_GOPR_2_20220224T006010_2020224T001325_C001 CS_OFFL_SIR_GOPR_2_20220224T006010_2020224T001325_C001 CS_OFFL_SIR_GOPR_2_20220224T006010_2020224T001325_C001 CS_OFFL_SIR_GOPR_2_20220224T006010_2020224T001325_C001 CS_OFFL_SIR_GOPR_	CS_OFFL_SIR_GOPN_2_20220224T213744_20220224T213909_C001		
OCOG Backscatter Quality CS_OFFL_SIR_GOPR_2_20220224T004732_20220224T005316_C001 CS_OFFL_SIR_GOPR_2_20220224T005316_C001 CS_OFFL_SIR_GOPR_2_20220224T005830_20220224T010122_C001 CS_OFFL_SIR_GOPR_2_20220224T00719_20220224T010122_C001 CS_OFFL_SIR_GOPR_2_20220224T00719_20220224T010130_20202224T010132_C001 CS_OFFL_SIR_GOPR_2_20220224T00719_20220224T010132_C001 CS_OFFL_SIR_GOPR_2_20220224T005830_20220224T010130_20202224T010132_C001 CS_OFFL_SIR_GOPR_2_20220224T00719_20220224T010818_C001 CS_OFFL_SIR_GOPR_2_20220224T005633_C001 CS_OFFL_SIR_GOPR_2_20220224T005434_20220224T0155435_C001 CS_OFFL_SIR_GOPR_2_20220224T056400_20220224T056435_C001 CS_OFFL_SIR_GOPR_2_20220224T056400_20220224T056435_C001 CS_OFFL_SIR_GOPR_2_20220224T056400_20220224T073447_C001 CS_OFFL_SIR_GOPR_2_20220224T09610_20220224T073447_C001 CS_OFFL_SIR_GOPR_2_20220224T09610_20220224T091325_C001 CS_OFFL_SIR_GOPR_2_20220224T09610_20220224T091325_C001 CS_OFFL_SIR_GOPR_2_20220224T09610_20220224T091325_C001 CS_OFFL_SIR_GOPR_2_20220224T09610_20220224T092045_C001 CS_OFFL_SIR_GOPR_2_20220224T09610_20220224T092045_C001 CS_OFFL_SIR_GOPR_2_20220224T09610_20220224T092045_C001 CS_OFFL_SIR_GOPR_2_20220224T09610_20220224T092045_C001 CS_OFFL_SIR_GOPR_2_20220224T09610_20220224T092045_C001 CS_OFFL_SIR_GOPR_2_20220224T09610_20220224T092045_C001 CS_OFFL_SIR_GOPR_2_20220224T09610_20220224T092045_C001 CS_OFFL_SIR_GOPR_2_20220224T09610_20220224T092045_C001 CS_OFFL_SIR_GOPR_2_20220224T0910122_2020045_C001 CS_OFFL_SIR_GOPR_2_20220224T0910122_2020045_C001 CS_OFFL_SIR_GOPR_2_20220224T091012_2020045_C001 CS_OFFL_SIR_GOPR_2_2	CS_OFFL_SIR_GOPN_2_20220224T220731_20220224T221022_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_20220224T005316_C001 All meter Range and Backscatter Quality PLRM CS_OFFL_SIR_GOPR_2_20220224T005830_20220224T010122_C001 All meter Range and Backscatter Quality Plags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220224T010719_20220224T010818_C001 CS_OFFL_SIR_GOPR_2_20220224T010719_20220224T010818_C001 CS_OFFL_SIR_GOPR_2_20220224T040534_20220224T041539_C001 CS_OFFL_SIR_GOPR_2_20220224T040534_20220224T041539_C001 CS_OFFL_SIR_GOPR_2_20220224T040534_20220224T041539_C001 CS_OFFL_SIR_GOPR_2_20220224T054600_20220224T055436_C001 CS_OFFL_SIR_GOPR_2_20220224T07777_20220224T073447_C001 CS_OFFL_SIR_GOPR_2_20220224T090610_20220224T091325_C001 CS_OFFL_SIR_GOPR_2_20220224T090610_20220224T091325_C001 CS_OFFL_SIR_GOPR_2_20220224T090610_20220224T091325_C001 CS_OFFL_SIR_GOPR_2_20220224T090610_20220224T092045_C001 CS_OFFL_SIR_GOPR_2_20220224T090610_20220224T091325_C001 CS_OFFL_SIR_GOPR_2_20220224T090610_20220224T091325_C001 CS_OFFL_SIR_GOPR_2_20220224T090610_20220224T091325_C001 CS_OFFL_SIR_GOPR_2_20220224T090610_20220224T092045_C001 CS_OFFL_SIR_GOPR_2_20220224T090610_20220224T092045_C001 CS_OFFL_SIR_GOPR_2_20220224T090610_20220224T092045_C001 CS_OFFL_SIR_GOPR_2_20220224T090610_20220224T091325_C001 CS_OFFL_SIR_GOPR_2_202202224T090610_20220224T091325_C001 CS_OFFL_SIR_GOPR_2_20220224T090610_20220224T091325_C001 CS_OFFL_SIR_GOPR_2_20220224T090610_20220224T091325_C001 CS_OFFL_SIR_GOPR_2_20220224T090610_20220224T091325_C001 CS_OFFL_SIR_GOPR_2_20220224T091622_20220224T091325_C001 CS_OFFL_SIR_GOPR_2_20220224T091622_20220224T091325_C001 CS_OFFL_SIR_GOPR_2_20220224T091622_20220224T091325_C001 CS_OFFL_SIR_GOPR_2_20220224T091622_20220224T091325_C001 CS_OFFL_SIR_GOPR_2_20220224T091622_20220224T091325_C001 CS_OFFL_SIR_GOPR_2_20220224T091622_20220224T091325_C001 CS_OFFL_SIR_GOPR_2_202202224T091622_20220224T091325_C001 CS_OFFL_SIR_GOPR_2_202202224T091622_20220224T091325_C001 CS_OFFL_SIR_GOPR_2_202202224T091622_20220224T091325_C001 CS_OFFL_SIR_GOPR_2_202202224T091622_20220224T09	CS_OFFL_SIR_GOPN_2_20220224T230311_20220224T230917_C001		
CS_OFFL_SIR_GOPR_2_20220224T010719_20220224T010818_C001 CS_OFFL_SIR_GOPR_2_20220224T010719_20220224T010818_C001 CS_OFFL_SIR_GOPR_2_20220224T035630_20220224T035635_C001 CS_OFFL_SIR_GOPR_2_20220224T040534_20220224T035635_C001 CS_OFFL_SIR_GOPR_2_20220224T040534_20220224T041539_C001 CS_OFFL_SIR_GOPR_2_20220224T040534_20220224T041539_C001 CS_OFFL_SIR_GOPR_2_20220224T054600_20220224T055436_C001 CS_OFFL_SIR_GOPR_2_20220224T054600_20220224T054436_C001 CS_OFFL_SIR_GOPR_2_20220224T054600_20220224T055436_C001 CS_OFFL_SIR_GOPR_2_20220224T072707_20220224T073447_C001 CS_OFFL_SIR_GOPR_2_20220224T090610_20220224T091325_C001 CS_OFFL_SIR_GOPR_2_20220224T090610_20220224T091325_C001 CS_OFFL_SIR_GOPR_2_20220224T091622_20220224T091325_C001 CS_OFFL_SIR_GOPR_2_20220224T091622_20220224T092045_C001 CS_OFFL_SIR_GOPR_2_20220224T091622_20220224T092045_	CS_OFFL_SIR_GOPR_2_20220224T004732_20220224T005316_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_20220224T035630_20220224T035635_C001 CS_OFFL_SIR_GOPR_2_20220224T040534_20220224T041539_C001 CS_OFFL_SIR_GOPR_2_20220224T040534_20220224T041539_C001 CS_OFFL_SIR_GOPR_2_20220224T040534_20220224T041539_C001 CS_OFFL_SIR_GOPR_2_20220224T054600_20220224T055436_C001 CS_OFFL_SIR_GOPR_2_20220224T054600_20220224T055436_C001 CS_OFFL_SIR_GOPR_2_20220224T054600_20220224T055436_C001 CS_OFFL_SIR_GOPR_2_20220224T0777_20220224T073447_C001 CS_OFFL_SIR_GOPR_2_20220224T0777_20220224T073447_C001 CS_OFFL_SIR_GOPR_2_20220224T090610_20220224T091325_C001 CS_OFFL_SIR_GOPR_2_20220224T090610_20220224T091325_C001 CS_OFFL_SIR_GOPR_2_20220224T091622_20220224T092045_C001 CS_OFFL_SIR_GOPR_2_20220224T091622_20220224T092045_C001 CS_OFFL_SIR_GOPR_2_20220224T091622_20220224T092045_C001 CS_OFFL_SIR_GOPR_2_20220224T091030_20220224T092045_C001 CS_OFFL_SIR_GOPR_2_20220224T091030_20220224T092045_C001 CS_OFFL_SIR_GOPR_2_20220224T091030_20220224T092045_C001 CS_OFFL_SIR_GOPR_2_20220224T091030_20220224T092045_C001 CS_OFFL_SIR_GOPR_2_20220224T091030_20220224T092045_C001 CS_OFFL_SIR_GOPR_2_20220224T091030_2020224T092045_C001 CS_OFFL_SIR_GOPR_2_20220224T091030_20220224T092045_C001 CS_OFFL_SIR_GOPR_2_20220224T091030_20220224T092045_C001 CS_OFFL_SIR_GOPR_2_20220224T091030_20220224T092045_C001 CS_OFFL_SIR_GOPR_2_20220224T091030_20220224T092045_C001 CS_OFFL_SIR_GOPR_2_20220224T091030_20220224T092045_C001 CS_OFFL_SIR_GOPR_2_20220224T091030_20220224T092045_C001 CS_OFFL_SIR_GOPR_2_20220224T091030_20220224T092045_C001 CS_OFFL_SIR_GOPR_2_20220224T091030_20220224T092045_C001 CS_OFFL_SIR_GOPR_2_20220224T091030_2020224T092045_C001 CS_OFFL_SIR_GOPR_2_20220224T091030_2020224T092045_C001 CS_OFFL_SIR_GOPR_2_20220224T091030_2020224T092045_C001 CS_OFFL_SIR_GOPR_2_20220224T091030_2020224T092045_C001 CS_OFFL_SIR_GOPR_2_20220224T091030_2020224T092045_C001 CS_OFFL_SIR_GOPR_2_20220224T091030_2020224T092045_C001 CS_OFFL_SIR_GOPR_2_20220224T091030_2020224T092045_C001 CS_OFFL_SIR_GOPR_2_20220224T091030_2020224T092045_C001 CS_OFFL	CS_OFFL_SIR_GOPR_2_20220224T005830_20220224T010122_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_20220224T040534_20220224T041539_C001 CS_OFFL_SIR_GOPR_2_20220224T040534_20220224T041539_C001 CS_OFFL_SIR_GOPR_2_20220224T054600_20220224T055436_C001 CS_OFFL_SIR_GOPR_2_20220224T054600_20220224T055436_C001 CS_OFFL_SIR_GOPR_2_20220224T07777_20220224T073447_C001 CS_OFFL_SIR_GOPR_2_20220224T07707_20220224T073447_C001 CS_OFFL_SIR_GOPR_2_20220224T090610_20220224T091325_C001 CS_OFFL_SIR_GOPR_2_20220224T090610_20220224T091325_C001 CS_OFFL_SIR_GOPR_2_20220224T091622_20220224T092045_C001 CS_OFFL_SIR_GOPR_2_20220224T091622_20220224T090050_C001 CS_OFFL_SIR_GOPR_2_20220224T091622_2020050_C001 CS_OFFL_SIR_GOPR_2_20220224T091622_20220224T090050_C001 CS_OFFL_SIR_GOPR_2_20220224T091622_20220224T090050_C001 CS_O	CS_OFFL_SIR_GOPR_2_20220224T010719_20220224T010818_C001		
CS_OFFL_SIR_GOPR_2_20220224T040534_20220224T041539_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags 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, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the O	CS_OFFL_SIR_GOPR_2_20220224T035630_20220224T035635_C001		
CS_OFFL_SIR_GOPR_2_20220224T054600_20220224T055436_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM oCOG Altimeter Range and Backscatter Quality PLRM oCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM oCOG Altimeter Range and Backscatter Quality PLRM oCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and	CS_OFFL_SIR_GOPR_2_20220224T040534_20220224T041539_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_20220224T072707_20220224T073447_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220224T090610_20220224T091325_C001 CS_OFFL_SIR_GOPR_2_20220224T091622_20220224T092045_C001 CS_OFFL_SIR_GOPR_2_20220224T091622_20220224T092045_C001 CS_OFFL_SIR_GOPR_2_20220224T00130_20220224T100723_C001 CS_OFFL_SIR_GOPR_2_20220224T100130_20220224T100723_C001 Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags 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, 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, 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 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 Al	CS_OFFL_SIR_GOPR_2_20220224T054600_20220224T055436_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_20220224T090610_20220224T091325_C001 Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220224T100130_20220224T100723_C001 The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Qual	CS_OFFL_SIR_GOPR_2_20220224T072707_20220224T073447_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_20220224T091622_20220224T092045_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220224T100130_20220224T100723_C001 The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality	CS_OFFL_SIR_GOPR_2_20220224T090610_20220224T091325_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and B	CS_OFFL_SIR_GOPR_2_20220224T091622_20220224T092045_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
PLRW	CS_OFFL_SIR_GOPR_2_20220224T100130_20220224T100723_C001	and Backscatter Quality PLRM, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_GOPR_2_20220224T102056_20220224T102309_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_20220224T102320_20220224T102443_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_20220224T104102_20220224T104309_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_20220224T120812_20220224T120932_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_20220224T122358_20220224T122920_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_20220224T140221_20220224T140955_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_20220224T153920_20220224T154700_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_20220224T171546_20220224T171638_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_20220224T171840_20220224T172521_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_20220224T172521_20220224T172830_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_20220224T173223_20220224T173400_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_20220224T175220_20220224T175409_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_20220224T175410_20220224T175504_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_20220224T185458_20220224T185604_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_20220224T185758_20220224T190421_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_20220224T190421_20220224T190631_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_20220224T190911_20220224T191617_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_20220224T191802_20220224T191834_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_20220224T195845_20220224T195939_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_20220224T203845_20220224T204317_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_20220224T204317_20220224T204434_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_20220224T212117_20220224T212810_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_20220224T221650_20220224T222151_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_20220224T224548_20220224T224800_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_20220224T231827_20220224T231839_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_20220224T233924_20220224T234113_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (1 Hz & 1 Hz PLRM)

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

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

Number of products with errors:

188

61

5.8 L2 Ocean Retracking Quality Check

L2 Retracking Flags (20 Hz)

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

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

Number of products with errors:

L2 Retracking Flags (20 Hz PLRM)

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

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

Number of products with errors:

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:

Ω

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:

٥

6.4 P2P Auxiliary Correction Error Check

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

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

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

Number of products with errors: 2

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220220224T000212_20220224T005149_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_220220224T005149_20220224T014127_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_220220224T014127_20220224T023104_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_220220224T023104_20220224T032042_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_220220224T032042_20220224T041019_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_220220224T041019_20220224T045956_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_220220224T045956_20220224T054934_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_220220224T054934_20220224T063911_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_220220224T063911_20220224T072848_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_220220224T072848_20220224T081826_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20220224T081826_20220224T090803_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_220220224T090803_20220224T095740_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20220224T095740_20220224T104718_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20220224T104718_20220224T113655_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_220220224T113655_20220224T122632_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_220220224T122632_20220224T131610_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_220220224T131610_20220224T140547_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_220220224T140547_20220224T145525_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_220220224T145525_20220224T154502_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_220220224T154502_20220224T163439_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_220220224T163439_20220224T172416_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_220220224T172416_20220224T181354_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_220220224T181354_20220224T190331_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_220220224T190331_20220224T195309_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_220220224T195309_20220224T204246_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_220220224T204246_20220224T213223_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_220220224T213223_20220224T222200_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_220220224T222200_20220224T231138_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_220220224T231138_20220225T000115_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

6.5 P2P Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220220224T204246_20220224T213223_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: 3

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: 2

P2P Quality Flags (1 Hz & 1 Hz PLRM)

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

Number of products with errors:

6.8 P2P Ocean Retracking Quality Check

P2P Retracking Flags (20 Hz)

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

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

Number of products with errors:

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.

7. GOP QCC Report Analysis

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

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_GOPM1B	203	203	4	199	0
SIR_GOPR1B	125	125	0	125	0
SIR_GOPN1B	100	100	1	98	1
SIR_GOPM_2	203	203	148	55	0
SIR_GOPR_2	125	125	52	70	3
SIR_GOPN_2	99	99	36	63	0
SIR_GOP_P2P	29	29	0	26	3

7.1 QCC Errors

Number of QCC reports with errors:

7

Total number of occurrences of each error											
Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	RRTAISSOPOI	BHRNCDF	-	-	-	-	-
SIR_GOPN1B	0	0	0	0	1						
SIR_GOPR_2	3	3	3	3	0						
		,									•
Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR GOP 2	3	3	3	3							

Test Description Key:					
Abbreviation	Test name	Details			
RLOBOPNCDF	RangeLatitudeOrBlankOP_7NetCDF	Latitude should be between -90E7 and 90E7			
RL	RangeLatitude_7	Latitude should be between -90E7 and 90E7			
RLOBOPNCDF	RangeLongitudeOrBlankOP_7NetCDF	Longitude should be between -180E7 and 180E7			
RL	RangeLongitude_7	Longitude should be between -180E7 and 180E7			
RRTAISSOPOBHRNCDF	RangeRecordTAlStartStopOPOrBlankHRNetCE	The time value should be between the the record TAI start/stop times of the MPH with a margin of 0.5 s - NetCDF			

7.2 QCC Warnings

Number of QCC reports with warnings

2144

Total number of occurrences of each warning

Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD
SIR_GOPM1B	199	0	0	0	0	0	0
SIR_GOPM_2	0	0	39	39	0	41	0
SIR_GOPN1B	99	0	0	0	0	0	0
SIR_GOPN_2	0	0	9	35	7	25	30
SIR_GOPR1B	119	0	0	0	0	0	0
SIR_GOPR_2	0	3	24	35	1	29	25

Product Type	RBSZOPOEPNCDF	RNELPOTONCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNCD	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	39	1	31	0	0	0	0
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	15	1	0	0	19	0	33
SIR_GOPR1B	0	0	0	0	0	0	0
SIR_GOPR_2	17	1	0	37	0	44	0

Product Type	RPEPOPLRMNCDF	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	24	0	0	3	28	0	2
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	0	0	27	18	45	53	32
SIR_GOPR1B	0	0	0	0	0	0	0
SIR_GOPR_2	0	37	0	5	53	35	10

Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHRTASCNSNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	40	0	1	0	0	0	0
SIR_GOPN1B	0	0	0	0	0	46	3
SIR_GOPN_2	33	33	12	1	1	0	0
SIR_GOPR1B	0	0	0	0	0	125	5
SIR GOPR 2	25	42	5	0	4	0	0

Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD	RBSZOPOEPNCDF
SIR_GOP_2	14	28	29	8	29	16	29

Product Type	RNELPOTONCDF	RPEPOPFDPLRMSINNCD	RPEPOPFDSINNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF
SIR_GOP_2_	2	16	28	23	16	29	18

Product Type	RSSHAONCDF	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHLPQWNCDF	-	-
SIR_GOP_2_	24	29	16	16	29		

Test Description Key:	est Description Key:						
Abbreviation	Test name	Details					
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter					
IOHHMOOR	IndexOf1Hzin20HzMappingOutOfRange	The mapping of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1)					
MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees					
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees					
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only					
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RBSZOPOEPFDPLRM NCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					

RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RNELPOTONCDF	RangeNELPOceanTideOceanNetCDF	The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing) for surface type = ocean
RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDPLRMSAR NCDF	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDPLRMSINN CDF	RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDSARNCDF	RangePeakinessExcludingPolarOPFD2SARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDSINNCDF	RangePeakinessExcludingPolarOPFD2SINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPLRMNCDF	RangePeakinessExcludingPolarOPLRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPSARNCDF	RangePeakinessExcludingPolarOPSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPSINNCDF	RangePeakinessExcludingPolarOPSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSSBCONCDF	RangeSeaStateBiasCorrectionOceanNetCDF	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean
RSSHAOFDNCDF	RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSSHAOFDPLRMNCD F	RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSSHAONCDF	RangeSeaSurfaceHeightAnomalyOceanNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSWHOEPFDNCDF	RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSWHOEPFDPLRMNC DF	RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSWHOEPNCDF	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node_Stop_v2_NetCDF	Rel_Time_ASC_Node_Stop mismatch
SOOHHIFHD	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample
SCSTODHRNCDF	SequenceCounterStepTODHRNetCDF	The sequence counter should be modulo 4 higher with regard to the previous sequence counter
SCSTODNCDF	SequenceCounterStepTODNetCDF	The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter

7.3 Missing QCC Reports

Number of products with missing QCC reports: