

QA4EO Daily Report for GOP data:

<u>12/05/2020</u>

	14 hur 0000	Check	L1 & L2	P2P
Report Production:	11-Jun-2020	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:	CryoSat Ocean Processor	Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Processor used.	CryoSat Ocean Processor	Product Software Check	Nominal	Nominal
Data Used:	Geophysical Ocean Products (GOP)	Product Format Check	Nominal	Nominal
Data Useu.	L1B, L2 & P2P Science Data	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	Nominal
		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

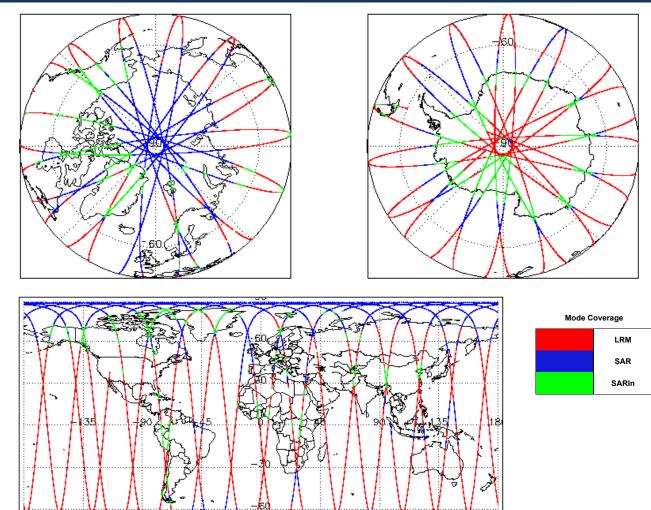
1. Overview

Mission / Instrument News 11-May-2020 None 12 May 2020 None

12-May-2020 None

13-May-2020 Nothing planned

2. Global Coverage



3. Instrument Configuration

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

SIRAL instrument(s) in use:

SIRAL - A

4. GOP Level 1B Data Quality Check

4.1 L1B Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a binary product file (.DBL).
Number of products with errors:
0

4.2 L1B Product Header Analysis				
For all products, a series of pre-defined checks are performed on the MPH and	d SPH in order to identify any inco	nsistencies and/or errors raised by the ground-segment processing chain.		
L1B Processing Quality HR: The I1b_proc_flag_hr flag is currently set all L1I OSARIn chains. A modification is required in the next release.	B GOPR and GOPN products bec	ause the I1b_processing_quality_hr field is not correctly configured in the OSAR and		
Number of products with errors: 0				
4.3 L1B Auxilary Data File Usage Check				
Each product is checked for missing Data Set Descriptors with respect to a pre	e-determined baseline and also to	check the validity of Auxiliary Data Files is correct.		
Number of products with errors: 0				
4.4 L1B Auxiliary Correction Error Check				
CryoSat L1B data includes a correction error flag for each measurement recor	d. The bit value of this flag indicate	es any problems when set.		
Number of products with errors: 0				
4.5 L1B Measurement Confidence Data Check				
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: 0				
4.6 L1B Waveform Group Data Check				
4.6 L1B Waveform Group Data Check CryoSat L1B data includes a waveform data flag for each measurement record Loss of Echo Flag: This flag is currently set for some products over land, but	-	es any problems when set.		
CryoSat L1B data includes a waveform data flag for each measurement record	-	es any problems when set.		
CryoSat L1B data includes a waveform data flag for each measurement record Loss of Echo Flag: This flag is currently set for some products over land, but	-	es any problems when set. Description		
CryoSat L1B data includes a waveform data flag for each measurement record Loss of Echo Flag: This flag is currently set for some products over land, but Number of products with errors: 16	this is to be expected.			
CryoSat L1B data includes a waveform data flag for each measurement record Loss of Echo Flag: This flag is currently set for some products over land, but Number of products with errors: 16 Product CS_OFFL_SIR_GOPM1B_20200512T051901_20200512T052126_C001	this is to be expected.	Description		
CryoSat L1B data includes a waveform data flag for each measurement record Loss of Echo Flag: This flag is currently set for some products over land, but Number of products with errors: 16 Product CS_OFFL_SIR_GOPM1B_20200512T051901_20200512T052126_C001 CS_OFFL_SIR_GOPM1B_20200512T064317_20200512T065740_C001	this is to be expected. Test Failed Loss of Echo	Description The tracking echo is missing for one or more records		
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5. GOP Level 2 Data Quality Check

5.1 L2 Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a binary product file (.DBL). Number of products with errors: 0

5.2 L2 Product Header Analysis

For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.
Number of products with errors:
0

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

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

0

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

> ECMWF Meteo Corrections: Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric Corection, 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.

CS_OFFL_SIR_GOPM_2_20200512T073644_20200512T074923_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solutio or more records CS_OFFL_SIR_GOPM_2_20200512T191528_20200512T192554_C001 Mean Sea Surface (1), Total Geocentric Ocean Tide (GOT) There is an error with the MSS height (solution 1) and the Tot Ocean Tide (GOT) CS_OFFL_SIR_GOPM_2_20200512T192524_0_000512T292520_C001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Tot Ocean Tide (GOT)	n 1) for one
Ocean Tide (GOT) Ocean Tide height (solution 1: GOT) for one or more records There is an error with the Mean Dynamic Tonography (solution	
CS. OFFL. SIP. COPM 2, 202005127222420, 202005127222520, CO01	I Geocentric
CS_OFFL_SIR_GOPM_2_20200512T2222420_20200512T2222520_C001 Mean Dynamic Topography (1) or more records	n 1) for one
CS_OFFL_SIR_GOPN_2_20200512T013219_20200512T013337_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solution or more records	n 1) for one
CS_OFFL_SIR_GOPN_2_20200512T013908_20200512T014225_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records	n Dynamic
CS_OFFL_SIR_GOPN_2_20200512T023018_20200512T023106_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solutio or more records	n 1) for one
CS_OFFL_SIR_GOPN_2_20200512T031140_20200512T031255_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records	n Dynamic
CS_OFFL_SIR_GOPN_2_20200512T031804_20200512T032117_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	(GOT), Total
CS_OFFL_SIR_GOPN_2_20200512T045237_20200512T045512_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records	n Dynamic
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CS_OFFL_SIR_GOPN_2_20200512T090616_20200512T091209_C001 Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) There is an error with the MSS height (solution 1) and the Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean height (solutio	
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CS_OFFL_SIR_GOPN_2_20200512T144754_20200512T145115_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records	in Dynamic
CS_OFFL_SIR_GOPN_2_20200512T163528_20200512T163638_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records	ın Dynamic
CS_OFFL_SIR_GOPN_2_20200512T171759_20200512T171906_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records	in Dynamic
CS_OFFL_SIR_GOPN_2_20200512T181229_20200512T181426_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records	ın Dynamic
CS_OFFL_SIR_GOPN_2_20200512T185710_20200512T185820_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records	n Dynamic
CS_OFFL_SIR_GOPN_2_20200512T195856_20200512T200005_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records	n Dynamic
CS_OFFL_SIR_GOPN_2_20200512T203144_20200512T203656_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solutio or more records	n 1) for one
CS_OFFL_SIR_GOPN_2_20200512T212140_20200512T212442_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solutio or more records	n 1) for one
CS_OFFL_SIR_GOPN_2_20200512T221147_20200512T221519_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solution or more records	n 1) for one
CS_OFFL_SIR_GOPN_2_20200512T234725_20200512T235211_C001 Mean Sea Surface (1), Total Geocentric Ocean Tide (GOT) There is an error with the MSS height (solution 1) and the Total Cocan Tide (GOT) Cocan Tide height (solution 1: GOT) for one or more records	I Geocentric
CS_OFFL_SIR_GOPR_2_20200512T004322_20200512T005052_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records	n Dynamic
CS_OFFL_SIR_GOPR_2_20200512T010004_20200512T010200_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solution or more records	n 1) for one
CS_OFFL_SIR_GOPR_2_20200512T021850_20200512T022855_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records	n Dynamic
CS_OFFL_SIR_GOPR_2_20200512T022855_20200512T023018_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records	n Dynamic

CB_OFIL_SIR_GOPR_2_20200512T04003_20200512T041208_0001 Mean Sas Stratec (1), Mean Dynamic Topography (a) There is an error with the MSS height (doution 1) and the Mean Dynamic Topography (a) CB_OFIL_SIR_GOPR_2_20200512T040753_20200512T041208_0001 Mean Sea Sufface (1), Mean Dynamic Topography height (adultan 1) for one or more records CB_OFIL_SIR_GOPR_2_20200512T040753_20200512T054520_001 Mean Sea Sufface (1), Mean Dynamic Topography height (adultan 1) for one or more records CB_OFIL_SIR_GOPR_2_20200512T054644_20200512T054753_0001 Mean Sea Sufface (1), Mean Dynamic Topography height (adultan 1) for one or more records CB_OFIL_SIR_GOPR_2_20200512T054203_20200512T057159_T054 Mean Sea Sufface (1), Mean Dynamic Topography height (adultan 1) and the Mea			
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CS_OFFL_SIR_GOPR_2_20200512T174002_20200512T172622_C001Mean Sea Surface (1), Mean Dynamic Topography (1)Topography height (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_20200512T171906_20200512T172622_C001Mean Sea Surface (1), Mean Dynamic Topography (1)There is an error with the MSS height (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_20200512T183351_20200512T183604_C001Mean Sea Surface (1)There is an error with the MSS height (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_20200512T183604_C001Mean 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 recordsCS_OFFL_SIR_GOPR_2_20200512T185820_20200512T190507_C001Mean Sea Surface (1), Mean Dynamic Topography (1)There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) for one or more recordsCS_OFFL_SIR_GOPR_2_20200512T203657_20200512T204312_C001Mean 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 recordsCS_OFFL_SIR_GOPR_2_20200512T221519_20200512T221728_C001Mean Sea Surface (1), Mean Dynamic Topography (1)There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) for one or more recordsCS_OFFL_SIR_GOPR_2_20200512T221728_20200512T221728_C001Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_20200512T223521_20200512T2235952_C001Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_20200512T23	CS_OFFL_SIR_GOPR_2_20200512T135924_20200512T140721_C001		
CS_OFFL_SIR_GOPR_2_202005121113351_202005121138604_C001Topography (1)Topography height (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_202005121183351_202005121183604_C001Mean Sea Surface (1)There is an error with the MSS height (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_202005121185820_202005121190507_C001Mean 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 recordsCS_OFFL_SIR_GOPR_2_202005121203657_202005121204312_C001Mean 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 recordsCS_OFFL_SIR_GOPR_2_202005121221519_202005121221728_C001Mean 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 recordsCS_OFFL_SIR_GOPR_2_202005121221728_202005121222420_C001Mean 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 recordsCS_OFFL_SIR_GOPR_2_202005121221728_202005121222420_C001Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_202005121223521_20205121223522_C001Mean Sea Surface (0), Mean Dynamic Topography height (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_202005121223521_20205121223522_C001Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_202005121223521_2020512123552_C001Mean	CS_OFFL_SIR_GOPR_2_20200512T154002_20200512T154747_C001		
CS_OFFL_SIR_GOPR_2_20200512T185820_20200512T190507_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_20200512T203657_20200512T204312_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_20200512T221519_20200512T221728_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_20200512T221728_20200512T221728_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_20200512T221728_20200512T222420_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_20200512T2235211_20200512T2235952_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records	CS_OFFL_SIR_GOPR_2_20200512T171906_20200512T172622_C001		
CS_OFFL_SIR_GOPR_2_202005121195820_202005121190507_C001 Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPR_2_20200512T203657_20200512T204312_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_20200512T221519_20200512T221728_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_20200512T221728_20200512T222420_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_20200512T221728_20200512T222420_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_20200512T221728_20200512T222420_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPR_2_20200512T2235211_20200512T2235952_C001 Mean Sea Surface (1), Mean Dynamic Mean Sea Surface (1), Mean Dynamic There is an error with the GPD Wet Tropospheric correction, the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1)	CS_OFFL_SIR_GOPR_2_20200512T183351_20200512T183604_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_202005121203657_202005121204312_C001 Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPR_2_202005127221519_202005127221728_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_GOPR_2_202005127221728_202005127222420_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPR_2_2020051272235211_2020051272235952_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records	CS_OFFL_SIR_GOPR_2_20200512T185820_20200512T190507_C001		
CS_OFFL_SIR_GOPR_2_20200512T221579_20200512T222420_C001 Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPR_2_20200512T2221728_20200512T222420_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPR_2_20200512T235211_20200512T235952_C001 GPD Wet Tropospheric Correction, Mean Sea Surface (1), Mean Dynamic height (solution 1) and the Mean Dynamic Topography height (solution 1)	CS_OFFL_SIR_GOPR_2_20200512T203657_20200512T204312_C001		
CS_OFFL_SIR_GOPR_2_202005121222728520005121222420_C001 Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPR_2_202005121235211_202005121235952_C001 GPD Wet Tropospheric Correction, Mean Sea Surface (1), Mean Dynamic There is an error with the GPD Wet Tropospheric correction, the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)	CS_OFFL_SIR_GOPR_2_20200512T221519_20200512T221728_C001		
CS_OFFL_SIR_GOPR_2_20200512T235211_20200512T235952_C001 Mean Sea Surface (1), Mean Dynamic height (solution 1) and the Mean Dynamic Topography height (solution 1)	CS_OFFL_SIR_GOPR_2_20200512T221728_20200512T222420_C001		
	CS_OFFL_SIR_GOPR_2_20200512T235211_20200512T235952_C001	Mean Sea Surface (1), Mean Dynamic	height (solution 1) and the Mean Dynamic Topography height (solution 1)

5.5 L2 Measurement Confidence Data Check

CryoSat L2 data includes a measurement confidence flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.
Number of products with errors:
0

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20Hz)

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.

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Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20200511T235844_20200512T000212_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_20200512T000554_20200512T004011_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_20200512T005321_20200512T005350_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_20200512T013337_20200512T013908_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_20200512T014527_20200512T021850_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_20200512T023448_20200512T023508_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_20200512T023817_20200512T023903_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_20200512T025128_20200512T030939_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_0FFL_SIR_GOPM_2_20200512T031255_20200512T031804_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_20200512T032411_20200512T035757_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_20200512T035945_20200512T040013_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_20200512T042241_20200512T042721_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_20200512T042757_20200512T044538_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_20200512T050421_20200512T051740_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_20200512T051901_20200512T052126_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_20200512T052607_20200512T053326_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_20200512T053328_20200512T053419_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_20200512T053902_20200512T053926_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_20200512T055320_20200512T061041_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_20200512T061224_20200512T062636_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_20200512T063414_20200512T063618_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_20200512T063717_20200512T064119_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_20200512T064317_20200512T065740_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_20200512T070034_20200512T070956_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_20200512T072809_20200512T072908_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_20200512T073644_20200512T074923_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_20200512T075505_20200512T080258_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_20200512T080426_20200512T080828_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_20200512T081215_20200512T082021_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_20200512T082255_20200512T083801_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_20200512T091430_20200512T092511_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.

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 CH, DHL SHL GOMA 2. 2000012111020. 2000112111020. 2000112111020. 20001 CH, DHL SHL GOMA 2. 2000012111020. 2000112111020. 20001 CH, DHL GOMA 2. 2000012111020. 2000112111020. 20001 CH, DHL GOMA 2. 2000012111020. 2000112111020. 20001 CH, DHL GOMA 2. 2000012111020. 2000112111020. 20001 CH, OHL SHL GOMA 2. 2000012111020. 200011211020. 20011 CH, OHL SHL GOMA 2. 2000012111020. 200011211020. 20011 CH, OHL SHL GOMA 2. 2000012111020. 20011 CH, OHL SHL GOMA 2. 20000121110102. 20010121110102. 20011 CH, OHL SHL GHA ALL CHARLER RADE SHL GHA CHARLER RADE SHL GHA CHARLER C	CS_OFFL_SIR_GOPM_2_20200512T100233_20200512T102648_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Calculation Description Description Description CS, OFFL, SR, GOMA 2, 20200121112022, 2020012112022, CODI Own Allowshi Regn, SSM, SVM, MM The Own Allowshi Regn, SSM, SVM, MM CS, OFFL, SR, GOMA 2, 20200121121222, 2020012112022, CODI Own Allowshi Regn, SSM, SVM, MM The Own Allowshi Regn, SSM, SVM, MM CS, OFFL, SR, GOMA 2, 20200121121222, 2020012112022, CODI Own Allowshi Regn, SSM, SVM, MM The Own Allowshi Regn, SSM, SVM, MM CS, OFFL, SR, GOMA 2, 2020012112022, 2020012112022, CODI Own Allowshi Regn, SSM, SVM, MM The Own Allowshi Regn of SSM, SVM, MM CS, OFFL, SR, GOMA 2, 2020012112022, 2020012112022, CODI Own Allowshi Regn, SSM, SVM, MM The Own Allowshi Regn of SSM, SVM, MM and Buckmatter Dually Flags have been at the own and the Standard Dually Flags have been at the own and the Standard Dually Flags have been at the OWN Allowshi Regn of SSM, SVM, MM and Buckmatter Dually Flags have been at the OWN Allowshi Regn of SSM, SVM, MM and Buckmatter Dually Flags have been at the Standard Dually Flags have been at the OWN Allowshi Regn of SSM, SVM, MM and Buckmatter Dually Flags have been at the OWN Allowshi Regn of SSM, SVM, MM and Buckmatter Dually Flags have been at the OWN Allowshi Regn of SSM, SVM, MM and Buckmatter Dually Flags have been at the OWN Allowshi Regn of SSM, SVM, MM and Buckmatter Dually Flags have been at the OWN Allowshi Regn of SSM, SVM, MM and Buckmatter Dually Flags have been at the OWN Allowshi Regn of SSM, SVM, MM and Buckmatter Dually Flags have been at the OWN Allowshi Regn of SSM, SVM, MM and Buckmatter Dually Flags have been at the OWN Allowshi Regn on SSM, SVM, MM and Buckmat	CS_OFFL_SIR_GOPM_2_20200512T110023_20200512T112635_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
 CAL DEFL_SIR_GOVPL_2_PERDOTI2112002_000012112002_0000 CAL DEFL_SIR_GOVPL_2_PERDOTI2112002_000012112002_0000012112002_0000 CAL DEFL_SIR_GOVPL_2_PERDOTI2112022_0000012112002_0000012112002_0000 CAL DEFL_SIR_GOVPL_2_PERDOTI2112022_0000012112002_0000012112002_0000 CAL DEFL_SIR_GOVPL_2_PERDOTI2112022_0000012112002_0000012112002_0000 CAL DEFL_SIR_GOVPL_2_PERDOTI2112022_0000012112002_00000 CAL DEFL_SIR_GOVPL_2_PERDOTI2112022_0000012112002_00000 CAL DEFL_SIR_GOVPL_2_PERDOTI2112022_0000012112002_00000 CAL DEFL_SIR_GOVPL_2_PERDOTI2112022_0000012112002_00000 CAL DEFL_SIR_GOVPL_2_PERDOTI2112022_000012112002_00000 CAL DEFL_SIR_GOVPL_2_PERDOTI2112022_000012112002_00000012112002_0000 CAL DEFL_SIR_GOVPL_2_PERDOTI2112022_000012112002_00000012112002_00000 CAL DEFL_SIR_GOVPL_2_PERDOTI2112031_20000021112002_00000012112002_00000 CAL DEFL_SIR_GOVPL_2_PERDOTI2112031_20000021112002_00000012112002_00000 CAL DEFL_SIR_GOVPL_2_PERDOTI2112031_20000021112002_00000012112002_00000012112002_00000000	CS_OFFL_SIR_GOPM_2_20200512T113305_20200512T113905_C001		
CS. OFTL. SIR. GOPM. 2. 202065127121222. 20200512713228. C001 Mit Backardine Casing, OCCG and Backardine Casing, OCCG CS. OFTL. SIR. GOPM. 2. 20206512713228. 20200512713228. C020 CCCCA. Attractic Range, Casing,	CS_OFFL_SIR_GOPM_2_20200512T114056_20200512T120830_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
65,0FH_USR_00PM_2.20200512T13228_20200512T13228_00001 and Backsaber Quality, COC0 Allinetic Regins and Backsaber Quality, Flags have been and Backsaber Quality, COC0 Allinetic Regins and Backsaber Quality, Flags have been and Backsaber Quality, COC0 Allinetic Regins and Backsaber Quality, Flags have been and Backsaber Quality, COC0 Allinetic Regins and Backsaber Quality, Flags have been and Backsaber Quality, COC0 Allinetic Regins and Backsaber Quality, Flags have been and Backsaber Quality, COC0 Allinetic Regins and Backsaber Quality, Flags have been and Backsaber Quality, COC0 Allinetic Regins and Backsaber Quality, Flags have been and Backsaber Quality, Flags have been and Backsaber Part, SIR, SINH and Backsaber Quality, Flags have been and Backsaber Part, SIR, SINH and Backsaber Quality, Flags have been and Backsaber Quality, Flags have been and frags have been and f	CS_OFFL_SIR_GOPM_2_20200512T121722_20200512T121834_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Coloring Summer Construction Backsonaler Quarity For one in more records. CS_OFTL_SIN_COMM_2_200005121132251_0001 Operan Attinuetre Range, SINA, SVM and Backsonaler Quarity Fage and Backsonaler Quarity Fage have been set for one in more records. CS_OFTL_SIN_COMM_2_200005121132531_0001 Operan Attinuetre Range, SINA, SVM and Backsonaler Quarity Fage have been set for one in more records. CS_OFTL_SIN_COMM_2_200005121132531_0001 Operan Attinuetre Range, SINA, SVM and Backsonaler Quarity Fage have been set for one in more records. CS_OFTL_SIN_COMM_2_200005121132531_0001 Operan Attinuetre Range, SINA, SVM and Backsonaler Quarity Fage have been and for one in more records. CS_OFTL_SIN_COMM_2_200005121132531_0001 Operan Attinuetre Range, SINA, SVM and Backsonaler Quarity Fage have been and for one in more records. CS_OFTL_SIN_COMM_2_200005121132512_00005121132531_0001 Operan Attinuetre Range and Backsonaler Quarity Fage have been and for one in more records. CS_OFTL_SIN_COMM_2_200005121132512_0001 Operan Attinuetre Range and Backsonaler Quarity Fage have been and for one in more records. CS_OFTL_SIN_COMM_2_200005121145115_00005121144510_0001 Operan Attinuetre Range Color Attinuetre Range and Backsonaler Quarity Fage have been and for one in more records. CS_OFTL_SIN_COMM_2_200005121145115_00005121144510_0001 Operan Attinuetre Range Color Attinuetre Range and Backsonaler Quarity Fage have been and for one in more records. CS_OFFL_SIN_COMM_2_200005121145115_0000	CS_OFFL_SIR_GOPM_2_20200512T123229_20200512T130529_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20200512T132531_0001 and Beckscatter Quality CoOd Backscatter Quality CO	CS_OFFL_SIR_GOPM_2_20200512T131214_20200512T131743_C001		
Cal, DFL, SIR, GOPM, 2, 20200512T135828, 20200512T135858, CO11 Backwatter Quality for one or more records. CS_OFFL_SIR_GOPM, 2, 20200512T135828, 20200512T135858, CO11 Ocean Attimeter Range, SHA, SWH and Backwatter Quality Flags have been at the COCA Attimeter Range, SHA, SWH and Backwatter Quality Flags have been at the COCA Attimeter Range, SHA, SWH and Backwatter Quality Flags have been at the COCA Attimeter Range, SHA, SWH and Backwatter Quality Flags have been at the COCA Attimeter Range, SHA, SWH and Backwatter Quality Flags have been at the COCA Attimeter Range, SHA, SWH and Backwatter Quality Flags have been at the COCA Attimeter Range, SHA, SWH and Backwatter Quality Flags have been at the COCA Attimeter Range, SHA, SWH and Backwatter Quality Flags have been at the COCA Attimeter Range and Backwatter Quality Flags have been at the COCA Attimeter Range and Backwatter Quality Flags have been at the COCA Attimeter Range and Backwatter Quality Flags have been at the COCA Attimeter Range and Backwatter Quality Flags have been at the COCA Attimeter Range and Backwatter Quality Flags have been at the COCA Attimeter Range and Backwatter Quality Flags have been at the COCA Attimeter Range and Backwatter Quality Flags have been at the COCA Attimeter Range and Backwatter Quality Flags have been at the COCA Attimeter Range and Backwatter Quality Flags have been at the COCA Attimeter Range and Backwatter Quality Flags have been at the COCA Attimeter Range and Backwatter Quality Flags have been at the COCA Attimeter Range and Backwatter Quality Flags have been at the COCA Attimeter Range and Backwatter Quality Flags have been at the COCA Attimeter Range and Backwatter Quality Flags have been at the COCA Attimeter Range and Backwatter Quality Flags have been at the COCA Attimeter Range and Backwatter Quality Flags have been at the COCA Attimeter Range and Backwatter Quality Flags have been at the COCA Attimete	CS_OFFL_SIR_GOPM_2_20200512T132004_20200512T132531_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
C8_OFFL_SIR_GOPM_2_20200512T15929_20200512T159594_0001 and the COCG Allimeter Range and Backscatter Quality Flags have been Allimeter Range and Backscatter Quality Flags have been Allimeter Range and Backscatter Quality Flags have been Allimeter Range and Backscatter Quality Flags and the COCG Allimeter Range and Backscatter Quality Flags have been Allimeter Range	CS_OFFL_SIR_GOPM_2_20200512T135515_20200512T135525_C001		
CS_OFFL_SIR_GOPM_2_20200512T133001_20200512T145202_C001 and Backscatter Quality_COCG and Backscatter Quality_COCG and Backscatter Quality_COCG CS_OFFL_SIR_GOPM_2_20200512T141116_20200512T144510_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T145215_20200512T145216_C001 OCOG Altimeter Range Quality, CCCG The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T145215_20200512T145216_C001 OCOG Altimeter Range Quality, CCCG The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T145225_20200512T145202_0001 Ocean Altimeter Range Quality, CCCG The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T145225_20200512T152025_C001 OCCGA Altimeter Range and Backscatter Quality, CCCG The OCOGA Altimeter Range, SHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T152035_20200512T152025_C001 OCCGA Altimeter Range Quality, CCCG The OCOGA Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T162527_C001 OCCGA Altimeter Range Quality, CCCG The OCOGA Altimeter Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPM_2_20200512T135629_20200512T135858_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20200512T141118_20200512T14510_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Sector on or more records. CS_OFFL_SIR_GOPM_2_20200512T14515_20200512T145218_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_20200512T145221_20200512T145629_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_20200512T14525_20200512T151807_C001 Ocean Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T152152_02000512T152052_C001 OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T164952_20200512T16315_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T163134_20200512T16315_C001 OCOG Altimeter Range Quality, CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T163134_20200512T16315_C001 OCOG Altimeter Range Quality, CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPM_2_20200512T135901_20200512T135924_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Dis_OFFL_SIR_GOPM_2_20200512T145221_20200512T145829_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_GOPM_2_20200512T145821_20200512T145829_C001 OCCG Altimeter Range Quality, OCCG Backscatter Quality The Occon Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T145825_20200512T151807_C001 Occan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T15205_20200512T152825_C001 OCCGA Altimeter Range Quality, OCCG Backscatter Quality The OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T154852_20200512T162827_C001 OCCGA Altimeter Range Quality, OCCG Backscatter Quality The OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T162851_20200512T162327_C001 OCCGA Altimeter Range Quality, OCCG Backscatter Quality The OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T162851_20200512T163258_C001 OCCGA Altimeter Range Quality, OCCG Backscatter Quality, OCCG The OCCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T16314_20200512T164213_C001 Occan Altimeter Range, SSHA, SWH and Backscatter Quality, OCCG Backscatter Quality, OCCG	CS_OFFL_SIR_GOPM_2_20200512T141118_20200512T144510_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_202005121145221_20200512114529_C001 Backscatter Quality For one or more records. CS_OFFL_SIR_GOPM_2_202005121145225_202005121151807_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, COCG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been and the OCGG Altimeter Range and Backscatter Quality Flags have been and the OCGG Altimeter Range and Backscatter Quality Flags have been for one or more records. CS_OFFL_SIR_GOPM_2_202005121152185_202005121152852_C001 OCGG Altimeter Range Quality, OCGG Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_GOPM_2_202005121154952_202005121162327_C001 Ocean Altimeter Range And Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_GOPM_2_202005121162651_2020005121163115_C001 OCCG Altimeter Range Quality, OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_202005121163134_202005121163152_C001 OCCGA Altimeter Range Quality, OCCG Backscatter Quality The OCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_202005121163134_202005121164213_C001 OCCGA Altimeter Range Quality, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCCGA Altimeter Range and Backscatter	CS_OFFL_SIR_GOPM_2_20200512T145115_20200512T145218_C001		
CS_OFFL_SIR_GOPM_2_20200512T145925_20200512T151807_C001 and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality CS_OFFL_SIR_GOPM_2_20200512T152135_20200512T152625_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T154952_20200512T162327_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T162651_20200512T163115_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T163134_20200512T1631528_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T163940_20200512T164213_C001 OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T164217_20200512T164213_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T164217_20200512T171343_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T1764217_20200512T17143_C	CS_OFFL_SIR_GOPM_2_20200512T145221_20200512T145629_C001		
CS_OFFL_SIR_GOPM_2_20200512T154952_20200512T162327_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_GOPM_2_20200512T154952_20200512T162327_C001 Dcean Altimeter Range, SSHA, SWH and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have been at for one or more records. CS_OFFL_SIR_GOPM_2_20200512T162651_20200512T163115_C001 DCOGG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T163134_20200512T163528_C001 DCOGG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T163340_20200512T164213_C001 DCOGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T164217_20200512T164213_C001 DCean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T164217_20200512T17143_C001 Dcean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T1764217_20200512T17143_C001 Dcean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T1764217_20200512T171434_C001 Dcean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T17605_20200512T174055_C001 Dcean Altimeter Range, SSHA, SWH a	CS_OFFL_SIR_GOPM_2_20200512T145925_20200512T151807_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20200512T154952_20200512T162327_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T162651_20200512T163115_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_20200512T163134_20200512T163528_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_20200512T163340_20200512T164213_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T164217_20200512T164213_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T164217_20200512T171343_C001 Ocean Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T171509_20200512T171759_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T173015_20200512T174052_C001 OCOG Altimeter Range Quality, OCOG Backscatter Qu	CS_OFFL_SIR_GOPM_2_20200512T152135_20200512T152625_C001		
CS_OFFL_SIR_GOPM_2_20200512T163134_20200512T163515_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_GOPM_2_20200512T163134_20200512T163528_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T163940_20200512T164213_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality CS_OFFL_SIR_GOPM_2_20200512T164217_20200512T164213_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality CS_OFFL_SIR_GOPM_2_20200512T164217_20200512T171343_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T171509_20200512T171759_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality SCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T173015_20200512T174052_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality Flags and Backscatter Quality Flags and Backscatter Quality SCOG Altimeter Range and Backscatter Quality Flags have	CS_OFFL_SIR_GOPM_2_20200512T154952_20200512T162327_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20200512T163134_20200512T163528_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_GOPM_2_20200512T163940_20200512T164213_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCOG CS_OFFL_SIR_GOPM_2_20200512T171509_20200512T171759_C001 OCOG Altimeter Range, Quality, OCOG Backscatter Quality, OCOG Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T173015_20200512T174052_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range	CS_OFFL_SIR_GOPM_2_20200512T162651_20200512T163115_C001		
CS_OFFL_SIR_GOPM_2_20200512T163940_20200512T164213_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T164217_20200512T171343_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Qualit	CS_OFFL_SIR_GOPM_2_20200512T163134_20200512T163528_C001		
CS_OFFL_SIR_GOPM_2_20200512T164217_20200512T171343_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200512T171509_20200512T17159_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_20200512T173015_20200512T174052_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_GOPM_2_20200512T174057_20200512T174657_20200512T174845_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags set for one or more records.	CS_OFFL_SIR_GOPM_2_20200512T163940_20200512T164213_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20200512T171509_20200512T171759_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_GOPM_2_20200512T173015_20200512T174052_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCOG CS_OFFL_SIR_GOPM_2_20200512T174657_20200512T174657_20200512T174845_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality, OCOG	CS_OFFL_SIR_GOPM_2_20200512T164217_20200512T171343_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20200512T173015_20200512T174052_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags CS_OFFL_SIR_GOPM_2_20200512T174657_20200512T174845_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags	CS_OFFL_SIR_GOPM_2_20200512T171509_20200512T171759_C001		
CS_OFFL_SIR_GOPM_2_20200512T174657_20200512T174845_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPM_2_20200512T173015_20200512T174052_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_GOPM_2_20200512T174657_20200512T174845_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_GOPM_2_20200512T175000_20200512T180300_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_20200512T180457_20200512T181014_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_20200512T181033_20200512T181228_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_20200512T182041_20200512T183351_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_20200512T183605_20200512T184834_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_20200512T185109_20200512T185230_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_20200512T191528_20200512T192554_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_20200512T192734_20200512T194147_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_20200512T194422_20200512T194925_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_20200512T194949_20200512T195103_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_20200512T195757_20200512T195856_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_20200512T200504_20200512T201007_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_20200512T201630_20200512T201942_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_20200512T202105_20200512T202814_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_20200512T205138_20200512T205246_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_20200512T205954_20200512T212027_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_20200512T212443_20200512T212841_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_20200512T213519_20200512T215849_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_20200512T223533_20200512T230036_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_20200512T230231_20200512T230755_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_20200512T230801_20200512T231127_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_20200512T231457_20200512T234725_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_20200512T180319_20200512T180457_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_20200512T213115_20200512T213356_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_20200512T053539_20200512T053731_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_20200512T055259_20200512T055319_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_20200512T080828_20200512T081004_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_20200512T103729_20200512T103942_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_20200512T135858_20200512T135901_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_20200512T152626_20200512T152651_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (20Hz PLRM)

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

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

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Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20200512T000212_20200512T000350_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_20200512T004011_20200512T004129_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_20200512T010627_20200512T010733_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_20200512T011229_20200512T011603_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_20200512T013908_20200512T014225_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_20200512T023018_20200512T023106_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_20200512T023755_20200512T023817_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_20200512T024925_20200512T025128_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_20200512T045237_20200512T045512_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_20200512T054754_20200512T055259_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_20200512T064119_20200512T064257_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_20200512T070957_20200512T071227_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_20200512T072908_20200512T073017_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_20200512T074923_20200512T075505_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_20200512T080258_20200512T080426_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_20200512T081004_20200512T081215_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_20200512T084901_20200512T085100_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_20200512T085147_20200512T085208_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_20200512T090616_20200512T091209_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_20200512T095903_20200512T100131_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_20200512T102649_20200512T102745_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_20200512T103623_20200512T103713_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_20200512T112848_20200512T113017_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_20200512T122830_20200512T123228_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_20200512T130845_20200512T131214_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_20200512T135037_20200512T135048_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_20200512T140721_20200512T140928_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_20200512T144754_20200512T145115_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_20200512T145630_20200512T145753_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_20200512T151807_20200512T152134_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_20200512T162501_20200512T162651_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_20200512T163528_20200512T163638_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_20200512T171403_20200512T171503_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_20200512T191217_20200512T191528_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_20200512T194234_20200512T194422_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_20200512T200222_20200512T200504_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_20200512T201009_20200512T201457_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_20200512T202814_20200512T202936_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_20200512T205246_20200512T205638_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_20200512T212140_20200512T212442_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_20200512T220333_20200512T220451_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_20200512T220936_20200512T221057_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_20200512T223435_20200512T223533_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_20200512T000350_20200512T000554_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_20200512T004322_20200512T005052_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_20200512T005350_20200512T005617_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_20200512T010004_20200512T010200_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_20200512T014225_20200512T014526_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_20200512T021850_20200512T022855_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_20200512T023106_20200512T023202_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_20200512T023508_20200512T023755_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_20200512T024010_20200512T024220_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_20200512T032118_20200512T032411_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_20200512T035757_20200512T035944_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_20200512T040038_20200512T040753_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_20200512T040753_20200512T041208_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_20200512T044538_20200512T045236_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_20200512T050245_20200512T050420_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_20200512T054035_20200512T054203_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_20200512T054213_20200512T054644_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_20200512T054644_20200512T054753_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_20200512T072021_20200512T072159_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_20200512T072159_20200512T072701_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_20200512T073017_20200512T073451_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_20200512T080828_20200512T081004_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_20200512T103729_20200512T103942_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_20200512T104134_20200512T104630_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_20200512T112636_20200512T112847_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_20200512T121834_20200512T122829_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_20200512T135212_20200512T135515_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_20200512T135924_20200512T140721_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_20200512T140928_20200512T141035_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_20200512T144511_20200512T144754_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_20200512T152626_20200512T152651_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_20200512T153617_20200512T153806_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_20200512T154002_20200512T154747_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_20200512T163638_20200512T163940_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_20200512T171906_20200512T172622_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_20200512T181426_20200512T182041_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_20200512T183351_20200512T183604_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_20200512T184834_20200512T185109_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_20200512T185230_20200512T185603_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_20200512T185820_20200512T190507_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_20200512T192554_20200512T192734_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_20200512T200005_20200512T200040_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_20200512T203657_20200512T204312_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_20200512T204340_20200512T204404_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_20200512T213356_20200512T213519_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_20200512T221728_20200512T222420_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_20200512T231248_20200512T231457_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_20200512T235211_20200512T235952_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (1 Hz & 1Hz PLRM)

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

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

Number of products with errors:

5.8 L2 Ocean Retracking Quality Check

L2 Retracking Flags (20Hz)

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

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

Number of products with errors:

L2 Retracking Flags (20Hz, 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.

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

6.1 P2P Product Format Check

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

Number of products with errors:

6.2 P2P Product Header Analysis

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

Number of products with errors:

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

6.4 P2P Auxiliary Correction Error Check

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

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

> ECMWF Meteo Corrections: Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric Corection, 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.

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CS_OFFL_SIR_GOP_2_20200511T235857_20200512T004831_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean In Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20200512T004831_20200512T013810_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean In Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20200512T013810_20200512T022744_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean In Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20200512T022744_20200512T022744_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean In Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20200512T022744_20200512T031724_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean In Topography (1) for one or more records	Dynamic Dynamic Dynamic
CS_OFFL_SIR_GOP_2_20200512T004831_20200512T013810_C001 Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20200512T013810_20200512T022744_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20200512T022744_20200512T022744_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20200512T022744_20200512T031724_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records	Dynamic Dynamic
CS_OFFL_SIR_GOP_2_20200512T022744_20200512T022744_C001 Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20200512T022744_20200512T031724_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean I Topography (1)	Dynamic
Topography (1) Topography height (solution 1) for one or more records	
	Whomic
CS_OFFL_SIR_GOP_2_20200512T031724_20200512T040658_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	height
CS_OFFL_SIR_GOP_2_20200512T040658_20200512T045637_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean I Topography (solution 1) for one or more records)ynamic
CS_OFFL_SIR_GOP_2_20200512T045637_20200512T054611_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean I Topography (1) Topography height (solution 1) for one or more records)ynamic
CS_OFFL_SIR_GOP_2_20200512T054611_20200512T063551_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean I Topography (1) Topography height (solution 1) for one or more records)ynamic
CS_OFFL_SIR_GOP_2_20200512T063551_20200512T072525_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean I Topography (1) Topography height (solution 1) for one or more records)ynamic
CS_OFFL_SIR_GOP_2_20200512T072525_20200512T081504_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean I Topography (1) Topography height (solution 1) for one or more records)ynamic
CS_OFFL_SIR_GOP_2_20200512T081504_20200512T090439_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean I Topography (1) Topography height (solution 1) for one or more records)ynamic
CS_OFFL_SIR_GOP_2_20200512T090439_20200512T095418_C001 Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) Total Geocentric Ocean Tide (GOT) height (solution 1) and the Total Geocentric Ocean Tide (So	
CS_OFFL_SIR_GOP_2_20200512T095418_20200512T104352_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean I Topography (1) Topography height (solution 1) for one or more records)ynamic
CS_OFFL_SIR_GOP_2_20200512T104352_20200512T113332_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean I Topography height (solution 1) for one or more records)ynamic
CS_OFFL_SIR_GOP_2_20200512T113332_20200512T122306_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean I Topography (1) Topography height (solution 1) for one or more records)ynamic
CS_OFFL_SIR_GOP_2_20200512T122306_20200512T131245_C001 There is an error with the MSS height (solution 1) and the Mean I Topography (1) There is an error with the MSS height (solution 1) for one or more records)ynamic
CS_OFFL_SIR_GOP_2_20200512T131245_20200512T140220_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean I Topography (1) Topography height (solution 1) for one or more records)ynamic
CS_OFFL_SIR_GOP_2_20200512T140220_20200512T145159_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean I Topography (solution 1) for one or more records)ynamic
CS_OFFL_SIR_GOP_2_20200512T145159_20200512T154133_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean I Topography (1) Topography height (solution 1) for one or more records)ynamic
CS_OFFL_SIR_GOP_2_20200512T154133_20200512T163112_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean I Topography height (solution 1) for one or more records)ynamic
CS_OFFL_SIR_GOP_2_20200512T163112_20200512T172047_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean I Topography height (solution 1) for one or more records)ynamic

CS_OFFL_SIR_GOP_2_20200512T172047_20200512T181026_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_20200512T181026_20200512T190000_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_20200512T190000_20200512T194939_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20200512T194939_20200512T203914_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_20200512T203914_20200512T212853_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_20200512T212853_20200512T221827_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_20200512T221827_20200512T230807_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_20200512T230807_20200512T235741_C001	Mean Sea Surface (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20200512T235741_20200513T004720_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

CryoSat P2P data includes a measurement c	onfidence flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.			
Number of products with errors:	0			
6.6 P2P Measurement Quality Flag Check				
P2P Quality Flags (20Hz)				
CryoSat P2P data includes Quality Flags for e	ach 20 Hz, 20 Hz PLRM and 1 Hz measurement record, copied from the corresponding L2 products.			
Since the P2P Quality Flags are copied dir	ectly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected.			
Number of products with errors:	29			
P2P Quality Flags (20Hz PLRM)				
Since the P2P Quality Flags are copied dir	ectly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected.			
Number of products with errors:	29			
P2P Quality Flags (1 Hz & 1Hz PL	RM)			
Since the P2P Quality Flags are copied dir	ectly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected.			
Number of products with errors:	30			
6.8 P2P Ocean Retracking Qua	lity Check			
P2P Retracking Flags (20Hz)				
Cryosat P2P data includes an ocean retrackin	g 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): Th	s flag is currently set for products GOPR and GOPN products over sea ice, but this is to be expected.			
Number of products with errors:	23			
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): Th	s flag is currently set for products GOPR and GOPN products over sea ice, but this is to be expected.			
Number of products with errors:	30			